ISO A1 594mm x 841mm

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BRADFIELD CITY CENTRE
STAGE 1A - AMRF FIRST BUILDING

DRAWING LIST	
DRAWING NUMBER	**DRAWING TITLE**
60646285-SHT-00-1000-CI-0001	COVER SHEET AND DRAWING INDEX
60646285-SHT-00-1000-CI-0005	GENERAL NOTES
60646285-SHT-00-1000-CI-0015	EXISTING CONDITIONS AND TOPOGRAPHIC OVERALL
60646285-SHT-00-1000-CI-0031	CONCEPT EROSION AND SEDIMENT CONTROL PLAN SHEET 01
60646285-SHT-00-1000-CI-0032	CONCEPT EROSION AND SEDIMENT CONTROL PLAN SHEET 02
60646285-SHT-00-1000-CI-0051	DEMOLITION PLAN
60646285-SHT-00-1000-CI-0061	BULK EARTHWORKS PLAN
60646285-SHT-00-1000-CI-0121	GENERAL ARRANGEMENT PLAN SHEET 01
60646285-SHT-00-1000-CI-0122	GENERAL ARRANGEMENT PLAN SHEET 02
60646285-SHT-00-1000-CI-0141	TYPICAL SITE SECTIONS SHEET 01
60646285-SHT-00-1000-CI-0142	TYPICAL SITE SECTIONS SHEET 02
60646285-SHT-00-1000-CI-0143	TYPICAL SITE SECTIONS SHEET 03
60646285-SHT-00-1000-CI-0161	SIGNAGE AND LINEMARKING PLAN
60646285-SHT-00-1000-CI-0301	CONTROL PLAN
60646285-SHT-00-1000-CI-0341	CONTROL LONGITUDINAL SECTIONS SHEET 01
60646285-SHT-00-1000-CI-0342	CONTROL LONGITUDINAL SECTIONS SHEET 02
60646285-SHT-00-1000-CI-0343	CONTROL LONGITUDINAL SECTIONS SHEET 03
60646285-SHT-00-1000-CI-0344	CONTROL LONGITUDINAL SECTIONS SHEET 04
60646285-SHT-00-1000-CI-0345	CONTROL LONGITUDINAL SECTIONS SHEET 05
60646285-SHT-00-1000-CI-0346	CONTROL LONGITUDINAL SECTIONS SHEET 06
60646285-SHT-00-1000-CI-0347	CONTROL LONGITUDINAL SECTIONS SHEET 07
60646285-SHT-00-1000-CI-0348	CONTROL LONGITUDINAL SECTIONS SHEET 08
60646285-SHT-00-1000-CI-0349	CONTROL LONGITUDINAL SECTIONS SHEET 09
60646285-SHT-00-1000-CI-0350	CONTROL LONGITUDINAL SECTIONS SHEET 10
60646285-SHT-00-1000-CI-0371	CONTROL CROSS SECTIONS SHEET 01
60646285-SHT-00-1000-CI-0372	CONTROL CROSS SECTIONS SHEET 02
60646285-SHT-00-1000-CI-0373	CONTROL CROSS SECTIONS SHEET 03
60646285-SHT-00-1000-CI-0374	CONTROL CROSS SECTIONS SHEET 04
60646285-SHT-00-1000-CI-0375	CONTROL CROSS SECTIONS SHEET 05
60646285-SHT-00-1000-CI-0376	CONTROL CROSS SECTIONS SHEET 06
60646285-SHT-00-1000-CI-0377	CONTROL CROSS SECTIONS SHEET 07
60646285-SHT-00-1000-CI-0378	CONTROL CROSS SECTIONS SHEET 08
60646285-SHT-00-1000-CI-0379	CONTROL CROSS SECTIONS SHEET 09
60646285-SHT-00-1000-CI-0380	CONTROL CROSS SECTIONS SHEET 10
60646285-SHT-00-1000-CI-0381	CONTROL CROSS SECTIONS SHEET 11

DRAWING LIST (CONTINUED)	
DRAWING NUMBER	**DRAWING TITLE**
60646285-SHT-00-1000-CI-0601	COMBINED SERVICES PLAN
60646285-SHT-00-1000-CI-0611	SEWER GENERAL ARRANGEMENT
60646285-SHT-00-1000-CI-0612	SEWER TYPICAL SECTIONS AND CONNECTION DETAILS
60646285-SHT-00-1000-CI-0613	SEWER PROCESS & INSTRUMENTATION DIAGRAM
60646285-SHT-00-1000-CI-0621	STORMWATER DRAINAGE PLAN SHEET 01
60646285-SHT-00-1000-CI-0622	STORMWATER DRAINAGE PLAN SHEET 02
60646285-SHT-00-1000-CI-0623	STORMWATER DRAINAGE PLAN SHEET 03
60646285-SHT-00-1000-CI-0641	STORMWATER PIT SCHEDULE
60646285-SHT-00-1000-CI-0651	STORMWATER LONGITUDINAL SECTIONS SHEET 01
60646285-SHT-00-1000-CI-0652	STORMWATER LONGITUDINAL SECTIONS SHEET 02
60646285-SHT-00-1000-CI-0653	STORMWATER LONGITUDINAL SECTIONS SHEET 03
60646285-SHT-00-1000-CI-0654	STORMWATER LONGITUDINAL SECTIONS SHEET 04
60646285-SHT-00-1000-CI-0655	STORMWATER LONGITUDINAL SECTIONS SHEET 05
60646285-SHT-00-1000-CI-0656	STORMWATER LONGITUDINAL SECTIONS SHEET 06
60646285-SHT-00-1000-CI-0657	STORMWATER LONGITUDINAL SECTIONS SHEET 07
60646285-SHT-00-1000-CI-0658	STORMWATER LONGITUDINAL SECTIONS SHEET 08
60646285-SHT-00-1000-CI-0659	STORMWATER LONGITUDINAL SECTIONS SHEET 09
60646285-SHT-00-1000-CI-0671	STORMWATER POST DEVELOPMENT CATCHMENT PLAN
60646285-SHT-00-1000-CI-0901	EROSION AND CONTROL SEDIMENT DETAILS
60646285-SHT-00-1000-CI-0921	STREET LIGHTING TYPICAL DETAILS
60646285-SHT-00-1000-CI-0951	DRAINAGE DETAILS
60646285-SHT-00-1000-CI-0971	TURNING PATH PLAN SHEET 01
60646285-SHT-00-1000-CI-0972	TURNING PATH PLAN SHEET 02
60646285-SHT-00-1000-CI-0973	TURNING PATH PLAN SHEET 03
60646285-SHT-00-1000-CI-0974	TURNING PATH PLAN SHEET 04
60646285-SHT-00-1000-CI-0975	TURNING PATH PLAN SHEET 05

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 AECOM quality assurance system to ISO 9001-2000.

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PROJECT
AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT
NSW GOVERNMENT | Western Parkland City Authority

SAFETY IN DESIGN INFORMATION
ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

5	02.09.22	ISSUED FOR APPROVAL
4	29.04.22	ISSUED FOR TENDER
3	22.04.22	DRAFT TENDER COORDINATION
2	05.04.22	DRAFT TENDER COORDINATION
1	15.11.21	PRELIMINARY CONCEPT DESIGN
I/R	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER
60646285

SHEET TITLE
COVER SHEET AND DRAWING INDEX

SHEET NUMBER
60646285-SHT-00-1000-CI-0001

ISO A1 594mm x 841mm

GENERAL

1 THE INFORMATION CONTAINED IN THESE DRAWINGS PRODUCED BY AECOM IS SOLELY FOR THE USE OF WESTERN PARKLAND CITY AUTHORITY (WPCA) FOR THE PURPOSE FOR WHICH IT HAS BEEN PREPARED. AECOM AUSTRALIA PTY LTD UNDERTAKES NO DUTY TO OR ACCEPTS NO RESPONSIBILITY TO ANY THIRD PARTY WHO MAY RELY UPON THIS DOCUMENT.
2 THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER ENGINEERING AND PUBLIC DOMAIN DRAWINGS, WESTERN SYDNEY ENGINEERING DESIGN MANUAL AND WITH SUCH OTHER WRITTEN INSTRUCTIONS, AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT.
3 ANY DISCREPANCIES BETWEEN THESE NOTES AND DRAWINGS, AND WESTERN SYDNEY ENGINEERING DESIGN MANUAL, REFER TO THE PRINCIPAL'S REPRESENTATIVE.
4 ANY DISCREPANCIES OR OMISSIONS FROM THESE DOCUMENTS SHALL BE REFERRED TO THE PRINCIPAL'S REPRESENTATIVE FOR A DECISION BEFORE PROCEEDING WITH THE WORK.
5 ALL WORKMANSHIP AND MATERIALS TO COMPLY WITH TRANSPORT FOR NEW SOUTH WALES STANDARDS, CURRENT AUSTRALIAN STANDARDS OR LOCAL STATUTORY AUTHORITY GUIDELINES.
6 ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE. ALL CHAINAGES AND LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.
7 ALL DIMENSIONS RELEVANT TO SETTING OUT OR OFF-SITE WORK SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION AND FABRICATION HAS COMMENCED.
8 DO NOT SCALE FROM DRAWINGS.
9 ORIGIN OF LEVELS - AHD
COORDINATES TO MGA - MAP GRID AUSTRALIA ZONE 56 GDA94.
10 WHERE NOTED ON DRAWINGS THAT WORKS ARE TO BE CARRIED OUT BY OTHERS, THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COORDINATION OF THESE WORKS AND THIS WORK WILL NOT QUALIFY FOR DELAY CLAIMS.
11 WHERE A PROPRIETARY ITEM (OR EQUIVALENT) IS SPECIFIED, AND AN EQUIVALENT ITEM IS PROPOSED, THE CONTRACTOR SHALL PROVIDE MANUFACTURERS SPECIFICATIONS FOR BOTH PRODUCTS TO THE SUPERINTENDENT FOR APPROVAL, AND DEMONSTRATE THAT THE PRODUCT PERFORMANCE IS EQUIVALENT OR BETTER, PRIOR TO USE.
12 ALL PROPRIETARY PRODUCTS ARE TO BE INSTALLED FIXED AND TESTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
13 DURING CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE STRUCTURES AND EXCAVATIONS ARE MAINTAINED IN A SAFE AND STABLE CONDITION AT ALL TIME AND NO PART IS TO BE OVERSTRESSED. THE CONTRACTOR SHALL DEVELOP WORK METHOD STATEMENTS FOR ALL ERECTION OF STRUCTURAL STEEL/FORMWORK/ DEMOLITION/EXCAVATION/TILT PANELS ETC. AND PROVIDE TEMPORARY WORKS SUCH AS BRACING, PROPPING AND SHORING ETC. TO KEEP THE WORKS AND EXCAVATIONS STABLE AND FREE FROM WATER AT ALL TIMES. THE CONTRACTOR IS TO ENGAGE A STRUCTURAL ENGINEER TO DESIGN AND CERTIFY THE TEMPORARY WORKS.
14 ALL WORK UNLESS OTHERWISE NOTED SHALL CONFORM TO THE LATEST EDITION OF LCC'S SPECIFICATION.

SITEWORKS

1 THE CONTRACTOR TO MAKE SMOOTH CONNECTION TO ANY EXISTING WORKS.
2 ON COMPLETION OF THE WORKS, THE CONTRACTOR MUST RESTORE OR REINSTATE ANY AREAS, STRUCTURES, PAVEMENTS OR UTILITY SERVICES DAMAGED OR DIRTIED DURING THE CONSTRUCTION, TO THE SATISFACTION OF THE PRINCIPAL OR THE ASSET OWNER.
3 ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
4 ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED IN ACCORDANCE WITH LCC STANDARD DRAWINGS
5 PROVIDE ISOLATION JOINTS BETWEEN STRUCTURES AND ALL CONCRETE AND UNIT PAVEMENTS.

BULK EARTHWORKS

1. THE CONTRACTOR MUST FAMILIARISE THEMSELVES WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORTS FOR THE PROJECT.
2. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE SAFE EXCAVATION, CONTAMINATION MANAGEMENT AND DISPOSAL OF ALL CONTAMINATED MATERIALS FOUND WITHIN ANY EXCAVATION IN UNREMEDIATED LAND.
3. MATERIALS USED IN FILL MUST BE CLEAN IMPORTED GRANULAR VENM AND BE NON-PUTRESCIBLE IN NATURE.
4. ALL EXCAVATED MATERIAL NOT CLASSED AS VENM AND NOT ABLE TO BE REUSED, MUST BE STOCKPILED AS DIRECTED BY PRINCIPAL.
5. COMPACTION, TESTING, FILLING, STANDARD DRY DENSITIES AND MOISTURE CONTENTS TO BE IN ACCORDANCE WITH THE SPECIFICATION.
6. ALL EARTHWORKS AREAS SHALL BE ROLLED EACH EVENING TO RESTRICT POTENTIAL WATER INGRESS.
7. FOR DETAILS OF SOIL CONDITIONS AND DESIGN PARAMETERS REFER TO GEOTECHNICAL REPORT AND ANY OTHER INVESTIGATION WORK AND/OR TESTING DEEMED NECESSARY BY THE CONTRACTOR.

SAFETY

1 THE CONTRACTOR IS RESPONSIBLE FOR SAFETY ONSITE.
2 THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EXCAVATION WORKS IN A STABLE CONDITION, AND ENSURING NO PART SHALL BE OVERSTRESSED DURING CONSTRUCTION ACTIVITIES. PROVISION OF TEMPORARY BRACING, SHORING AND BATTERING IS BY THE CONTRACTOR AS REQUIRED TO PROVIDE A SAFE WORKING ENVIRONMENT.
3 THE CONTRACTOR MUST MAKE PROVISION FOR THE SAFETY OF NORMAL VEHICULAR TRAFFIC AND PEDESTRIANS, AND OTHERS INCLUDING UNAUTHORISED INTRUDERS.
4 ALL PITS, MANHOLES, AND OTHER CONFINED SPACES MUST BE FITTED WITH A CONFINED SPACE WARNING SIGN TO THE APPROVAL OF THE PRINCIPAL.
5 ALL CONDITIONS OF THE ENVIRONMENTAL ASSESSMENT MUST BE MET.

EROSION AND SEDIMENT CONTROLS - GENERAL INSTRUCTIONS

1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE AND TAKE ALL STEPS NECESSARY TO PROTECT THE ENVIRONMENT DURING THE COURSE OF THEIR CONTRACT AND IN PARTICULAR IMPLEMENT THE NECESSARY MEASURES FOR THE CONTROL OF EROSION AND SEDIMENTATION TO THE SATISFACTION OF ALL ADMINISTERING BODIES INCLUDING NSW OFFICE OF WATER, SYDNEY WATER, TfNSW AND NSW ENVIRONMENT AND HERITAGE.
2. SEQUENCE OF OPERATIONS WILL PRIORITISE THE CONSTRUCTION OF THE TEMPORARY SEDIMENT BASINS (OSD BASINS) FOR USE DURING THE CONSTRUCTION PHASE IN ORDER TO REDUCE POLLUTANT DISCHARGE FROM SITE.
3. EROSION AND SEDIMENTATION MEASURES ARE TO BE PROVIDED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORKS, ADJUSTED TO SUIT STAGING AND MAINTAINED FOR THE LIFE OF THE CONTRACT.
4. CONTRACTORS CMP IS TO INCLUDE DETAILS FOR THE SAFE STORAGE OF PETROLS, OILS AND LUBRICANTS USED ON SITE WITH DETAILS FOR EMERGENCY RESPONSE PROCEDURES IN THE EVENT OF SPILLS. ALL NOMINATED STORAGE AREAS ARE TO BE OUTSIDE OF ANTICIPATED FLOOD OR TRAFFIC AREAS.
5. ALL MEASURES INCLUDING DIVERSION BANKS, CATCH AND DIVERSION DRAINS AND SILT FENCES SHALL BE COMPLETED PRIOR TO COMMENCEMENT OF CONTRACT WORKS
6. DURING WINDY WEATHER, LARGE UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRAYING WITH CLEAN WATER TO CONTROL DUST
7. ALL STOCKPILES MUST NOT BE LOCATED IN AREAS SUBJECT TO LIKELY CONCENTRATIONS OF OVERLAND FLOWS, AND HAVE MEASURES APPLIED, SUCH AS SILT FENCING, TO PREVENT EROSION OF THE STOCKPILE.
8. CLEAN WATER IS TO BE DIVERTED AWAY FROM DISTURBED GROUND AND INTO THE DRAINAGE SYSTEM. ANY WATER ENTERING THE DRAINAGE SYSTEM MUST BE SEDIMENT FREE.
9. ALL RUBBISH AND STRUCTURES TO BE REMOVED BY THE CONTRACTOR ARE TO BE DISPOSED OF AS REQUIRED OR AS DIRECTED BY THE SUPERINTENDENT AND IS TO BE IN ACCORDANCE WITH THE SITE MANAGEMENT PLAN.
10. ALL DISTURBED AREAS, INCLUDING ANY CONTROLLED FILL AREAS, ARE TO BE TOPSOILED AND SEEDED PRIOR TO COMPLETION OF WORKS. ALL DISTURBED AREAS THAT WILL NOT BE STABILISED WITHIN 2 MONTHS MUST BE TEMPORARILY REVEGETATED WITHIN 7 DAYS OF CLEARING. AREAS THAT FAIL TO ESTABLISH MUST BE RESOWN IMMEDIATELY.
11. REVEGETATION AND STABILISATION WILL NOT BE CONSIDERED SATISFACTORY UNLESS A MINIMUM OF 70% OF GROUND COVER AT 100mm HIGH IS ACHIEVED OVER ALL DISTURBED AREAS.
12. TEMPORARY REVEGETATION MIXTURES ARE TO BE APPROVED BY THE SUPERINTENDENT.
13. TRENCHES FOR DRAINAGE LINES ARE TO BE REINSTATED WITH TOPSOIL FOLLOWING THE INSTALLATION AND BACKFILLING OF PIPES AND ARE TO BE SEEDED/FERTILISED AND HAVE TURF STRIPS INSTALLED.

OTHER ENVIRONMENTAL NOTES

14. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHING, LIGHT WEIGHT MATERIALS AND LITTER.

STORMWATER DRAINAGE

1 PIPES 375mm DIA AND LARGER TO BE REINFORCED CONCRETE CLASS'4', 10/20 COVER, APPROVED SPIGGOT AND SOCKET WITH RUBBER RING JOINTS U.N.O. ALL PIPEWORK IS TO BE LAID WITH THE SOCKET FACING UPSTREAM. ALL WORKS ARE TO COMMENCE AT THE OUTLET END OF EACH LINE.
2 PIPES TO BE INSTALLED TO TYPE HS3 SUPPORT UNDER ROADS, PATHS AND DRIVEWAYS, AND TO TYPE HS2 ELSEWHERE, IN ACCORDANCE WITH AS3725. BACKFILLING AND MATERIALS IS TO BE IN ACCORDANCE WITH THE BACKFILLING SPECIFICATION.
3 PITS TO BE CONSTRUCTED IN ACCORDANCE WITH WESTERN SYDNEY ENGINEERING DESIGN MANUAL STANDARD DETAILS. PRECAST PITS SHALL BE CONSIDERED IN CONSULTATION WITH LIVERPOOL CITY COUNCIL.
4 CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
5 GRATES AND COVERS SHALL CONFORM TO RELEVANT WESTERN SYDNEY ENGINEERING DESIGN MANUAL STANDARD PIT DETAILS.
6 AT ALL TIMES DURING CONSTRUCTION, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO PREVENT PERSONNEL FROM FALLING INTO PITS AND OPEN TRENCHES.
7 ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN, ARE TO BE INSPECTED AND CLEANED, AND ANY PART OF THAT SYSTEM IDENTIFIED AS WARRANTING REPAIR, SHALL BE REPORTED TO THE PRINCIPAL FOR FURTHER DIRECTION.
8 CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT PIPES FROM DAMAGE DUE TO HEAVY CONSTRUCTION LOADING. CONTRACTOR TO UNDERTAKE PRE AND POST CONSTRUCTION CCTV INSPECTIONS FOR ALL PIPE LINES IMPACTED BY THE WORKS, TO BE PROVIDED TO WPCA FOR ACCEPTANCE PRIOR TO HAND-OVER.
9 THE CONTRACTOR IS TO MANAGE AND STAGE CONSTRUCTION WORKS, INCLUDING PROVIDING TEMPORARY DIVERSION WORKS IF NECESSARY, TO ENSURE ANY EXISTING DRAINAGE SYSTEM IS ABLE TO PERFORM TO ITS CURRENT STANDARD.
10 THE CONTRACTOR SHALL PROTECT THE WORKS IN PROGRESS. ANY DAMAGE TO THE WORKS IN PROGRESS, INCLUDING FROM STORMWATER FLOWS OR FLOODING, IS AT THE CONTRACTOR'S RISK.

UTILITY SERVICES

1 THESE DRAWINGS SHALL TO BE READ IN CONJUNCTION WITH ALL PUBLIC OR PRIVATE SERVICE PROVIDER DRAWINGS, INCLUDING BUT NOT LIMITED TO:
- ENDEAVOUR ENERGY DRAWINGS
- NBN DRAWINGS
- SYDNEY WATER DRAWINGS CN188803PW FOR SYDNEY METRO POTABLE WATER MAIN DESIGN;
- TELSTRA DRAWINGS

2 EXISTING UTILITIES SHOWN ON DRAWINGS ARE INDICATIVE ONLY AND MAY NOT INCLUDE ALL SERVICES PRESENT. AECOM TAKES NO RESPONSIBILITY FOR THE UTILITY INFORMATION AS SHOWN ON THESE DRAWINGS.
3 IT IS THE CONTRACTORS RESPONSIBILITY TO LIAISE WITH EACH UTILITY SERVICE PROVIDER ON SITE, TO LOCATE AND IDENTIFY THE SIZE, POSITION, LINE AND LEVEL OF ALL UTILITY SERVICES IN BOTH PUBLIC AND PRIVATE LAND, PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.
4 THE CONTRACTOR MUST TAKE EVERY PRECAUTION TO PROTECT EXISTING AND NEW UTILITY SERVICES THROUGH THE COURSE OF THE CONTRACT.
5 THE EXECUTION OF ALL WORKS INVOLVING UTILITY SERVICES, EITHER NEW OR EXISTING, IS THE RESPONSIBILITY OF THE CONTRACTOR AND FORM PART OF THE CONTRACT PRICE, UNLESS SPECIFICALLY NOTED OTHERWISE.
6 ALL WORKS INVOLVING UTILITY SERVICES TO BE UNDERTAKEN TO THE SATISFACTION OF THE UTILITY SERVICE PROVIDER. THE CONTRACTOR WILL BE RESPONSIBLE FOR ENGAGING WITH THE UTILITY SERVICE PROVIDER, THE EXECUTION OF THE WORK TO THEIR REQUIREMENTS AND PROCUREMENT OF APPROVALS FOR WORKS UNDERTAKEN.
6 ALL WORKS INVOLVING UTILITY SERVICES MUST ONLY BE UNDERTAKEN USING PLANS APPROVED BY THE UTILITY SERVICE PROVIDER.
8 ALL SERVICE PIT COVERS AND MARKERS ARE TO BE PLACED IN ACCORDANCE WITH THE LOCATIONS AS SHOWN ON THE DRAWINGS, AND IN ACCORDANCE WITH THE SPECIFICATION.
9 ALL SERVICE PIT COVERS TO BE PLACED AT FINISHED SURFACE LEVELS TO MATCH THE PROPOSED LONGITUDINAL AND CROSS FALL GRADES OF THE FOOTPATH OR ROADWAY IT IS CONTAINED WITHIN.
10 NO PIPE OR TRENCH SHALL BE LOCATED WITHIN THE ZONE OF INFLUENCE (1V:1H) OF A FOOTING.
11 MINIMUM CLEARANCES BETWEEN SERVICES TO BE PROVIDED UNLESS DIRECTED BY THE PRINCIPAL.
12 "WORKS AS CONSTRUCTED" SURVEY ON ALL UTILITY WORK SHALL BE RECORDED PRIOR TO ANY BACKFILLING.
13 MAJOR OPTUS CABLES - OPTUS REPRESENTATIVE SHALL BE ON SITE WHEN EXCAVATION IS WITHIN 3m OF OPTUS CABLES.
14 ENDEAVOUR ENERGY TRANSMISSION CABLES - ENDEAVOUR ENERGY SUPERVISOR SHALL BE ON SITE WHEN EXCAVATION IS WITHIN 2m OF TRANSMISSION CABLES.

LIGHTING

1. THE LIGHTING LAYOUT PROVIDED IS INDICATIVE ONLY AND FINAL POSITIONS MAY NEED TO BE ADJUSTED SUBJECT TO DETAILED DESIGN CALCULATIONS.
2. THE LUMINARIE TYPES SHOWN ARE INDICATIVE ONLY AND SELECTED TO MATCH LUMINAIRES PROPOSED ON THE ADJACENT SYDNEY METRO ACCESS TRACK.
3. POLE FOOTINGS SHOWN ARE INDICATIVE ONLY AND WILL NEED TO BE VERIFIED BY POLE MANUFACTURER AND STRUCTURAL ENGINEER.
4. ELECTRICAL LOW VOLTAGE DESIGN AND RETICULATION FOR STREET LIGHTING SYSTEMS ARE SHOWN INDICATIVELY AND SUBJECT TO ENDEAVOUR ENERGY DETAILED DESIGN AND APPROVAL. POTENTIAL POINTS OF PRIVATE ELECTRICAL SUPPLY, CONNECTION POINTS AND FINAL ELECTRICAL RETICULATION ROUTES NEED TO BE INVESTIGATED AND CONFIRMED.
5. POINTS OF ELECTRICAL SUPPLY AND AVAILABLE LV PILLAR CONNECTION POINTS SUBJECT TO FURTHER INVESTIGATION AND APPROVAL BY ENDEAVOUR ENERGY. PRIVATE DISTRIBUTION BOARDS AND ASSOCIATED METERING WILL BE REQUIRED. LOCATION AND SIZE OF PRIVATE DISTRIBUTION BOARDS ARE CURRENTLY NOT SHOWN AND SUBJECT TO FURTHER DETAILED DESIGN.
6. ALL APPLICABLE LIGHTING CATEGORIES FOR ACCESS ROADS AND CARPARK INTERCHANGE SUBJECT TO APPROVAL BY WPCA.

TELSTRA DUTY OF CARE

TELSTRA'S PLANS SHOW ONLY THE PRESENCE OF CABLES AND PLANT. THEY ONLY SHOW THEIR POSITION RELATIVE TO ROAD BOUNDARIES, PROPERTY FENCES ETC. AT THE TIME OF INSTALLATION AND TELSTRA DOES NOT WARRANT OR HOLD OUT THAT SUCH PLANS ARE ACCURATE THEREAFTER DUE TO CHANGES THAT MAY OCCUR OVER TIME. DO NOT ASSUME DEPTH OR ALIGNMENT OF CABLES OR PLANT AS THESE VARY SIGNIFICANTLY. THE CONTRACTOR HAS A DUTY OF CARE WHEN EXCAVATING NEAR TELSTRA CABLES AND PLANT. BEFORE USING MACHINE EXCAVATORS, TELSTRA PLANT MUST FIRST BE PHYSICALLY EXPOSED BY SOFT DIG POTHOLING TO IDENTIFY IT'S LOCATION. TELSTRA WILL SEEK COMPENSATION FOR DAMAGES CAUSED TO IT'S PROPERTY AND LOSSES CAUSED TO TELSTRA AND IT'S CUSTOMERS.

KERB NOTES

1 ALL CONCRETE FOR KERBS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa U.N.O. IN THE DRAWINGS.
2 ALL KERBS, GUTTERS AND CROSSINGS TO BE CONSTRUCTED ON 150mm (DGB20), COMPACTED TO MINIMUM 98% STANDARD MDD (AS1289 5.2.1)
3 EXPANSION JOINTS (E.J.) TO BE FORMED FROM 15mm COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT PITS, ON TANGENT POINTS OF CURVES, AND ELSEWHERE AT MAXIMUM 15m.
4 WEAKENED PLANE JOINTS TO BE 5mm WIDE AND LOCATED AT 3m CENTRES, EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
5 BROOMED FINISH TO ALL RAMPED AND VEHICULAR CROSSINGS. ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOAT FINISH.
6 KERB RAMPS SHALL BE IN ACCORDANCE WITH WESTERN SYDNEY ENGINEERING DESIGN MANUAL STANDARD DETAILS AND ALL LOCATIONS ARE TO BE VERIFIED ON SITE WITH THE PRINCIPAL PRIOR TO COMMENCEMENT OF CONSTRUCTION.

SURVEY NOTES

1. THE SURVEY INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. AECOM DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS. SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT THE PRINCIPAL'S REPRESENTATIVE.
2. THE FOLLOWING SURVEY DATA HAS BEEN ADOPTED FOR THE PURPOSE OF DESIGN:
-PR146456-DET_001a.12da, BY RPS (RECEIVED 12 NOVEMBER 2020).
3. THE FOLLOWING SYDNEY METRO ACCESS ROAD DESIGN INFORMATION HAS BEEN ADOPTED FOR THE PURPOSE OF DESIGN:
- P0054028-MOD-1000-RD-ROAD-MODEL_20210907.12da RECEIVED 08 SEPT 2021
4. CONTRACTOR TO UNDERTAKE ON-SITE VERIFICATION OF THE AS-BUILT SYDNEY METRO ACCESS TRACK AND CONTACT THE PRINCIPAL FOR DIRECTION SHOULD ANY DISCREPANCIES BE FOUND.

PAVEMENT NOTES

1. FOR VEHICULAR PAVEMENT AND ASSOCIATED SUBSOIL DRAINAGE DETAILS, REFER TO THE FOLLOWING:
- GEOTECHNICAL INVESTIGATION REPORT PREPARED FOR ERM BY ADE CONSULTING GROUP, LAST REVISED 11 MARCH 2022
- PAVEMENT THICKNESS DESIGN REPORT PREPARED FOR ERM BY ADE CONSULTING GROUP, LAST REVISED 04 APRIL 2022

STANDARD DRAWINGS

1. WESTERN SYDNEY PLANNING PARTNERSHIP STANDARD DRAWINGS CAN BE FOUND IN THE WESTERN SYDNEY ENGINEERING DESIGN MANUAL AT THE FOLLOWING LOCATION:
https://static1.squarespace.com/static/5bfca472b10598dbe206dd0d/t/6108c7e3a9133901b776f8a5/1627965445244/Western+Sydney+Engineering+Design+Manual_1220.pdf

WESTERN SYDNEY PLANNING PARTNERSHIP (WSPP) STANDARD DRAWINGS

STANDARD DRAWING NUMBER	TITLE	LAST REVISED
SD-R04	KERBS & GUTTERS	Nov-20
SD-R05	SUBSOIL DRAINAGE	Nov-20
5 SD-R12	OFF-ROAD SHARED BICYCLE AND FOOTPATH	Nov-20
SD-R26	THRESHOLD PAVEMENTS AT INTERSECTIONS	Nov-20
SD-R30	PIPE INSTALLATION UNDER ROADWAYS	Nov-20
SD-R31	V DRAIN PIT	Nov-20
SD-R46	EXPANSION JOINT DETAIL	Nov-20
SD-R48	VEHICULAR DISH CROSSING INTERNAL USE	Nov-20
SD-R63	CONCRETE HEADWALLS FOR SINGLE PIPE CULVERTS	Nov-20
SD-R69	TRIMMER BARS AROUND PIPE PENETRATIONS INTO PITS	Nov-20
SD-S06	GRATED GULLY PIT WITH EXTENDED KERB INLET PIT	Nov-20
SD-S09	STEP IRONS	Nov-20
SD-S11	SURFACE INLET & LETTER BOX PIT	Nov-20
SD-S12	JUNCTION PIT	Nov-20
SD-S13	OUTLET DETAILS - GRASS LINED CHANNEL / CREEK	Nov-20
WSUD 3-12	BIORETENTION BASIN	Nov-20
WSUD-18	VEGETATED SWALES - STEEP SITES	Oct-20

Last saved by: SHION.WATAKABE (2022-05-12) Last Plotted: 2022-05-18
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AECOM
CONSULTANT
AECOM Australia Pty Ltd
A.B.N 20 093 846 925
www.aecom.com

PROJECT
AEROTROPOLIS CORE PRECINCT BRINGELLY

CLIENT
NSW GOVERNMENT Western Parkland City Authority

SCALE BAR

SAFETY IN DESIGN INFORMATION
ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
6	02.09.2022	FOR APPROVAL
5	19.05.2022	TENDER ADDENDUM #1
4	29.04.22	ISSUED FOR TENDER
3	22.04.22	DRAFT TENDER COORDINATION
2	05.04.22	DRAFT TENDER COORDINATION
1	15.11.21	PRELIMINARY CONCEPT DESIGN

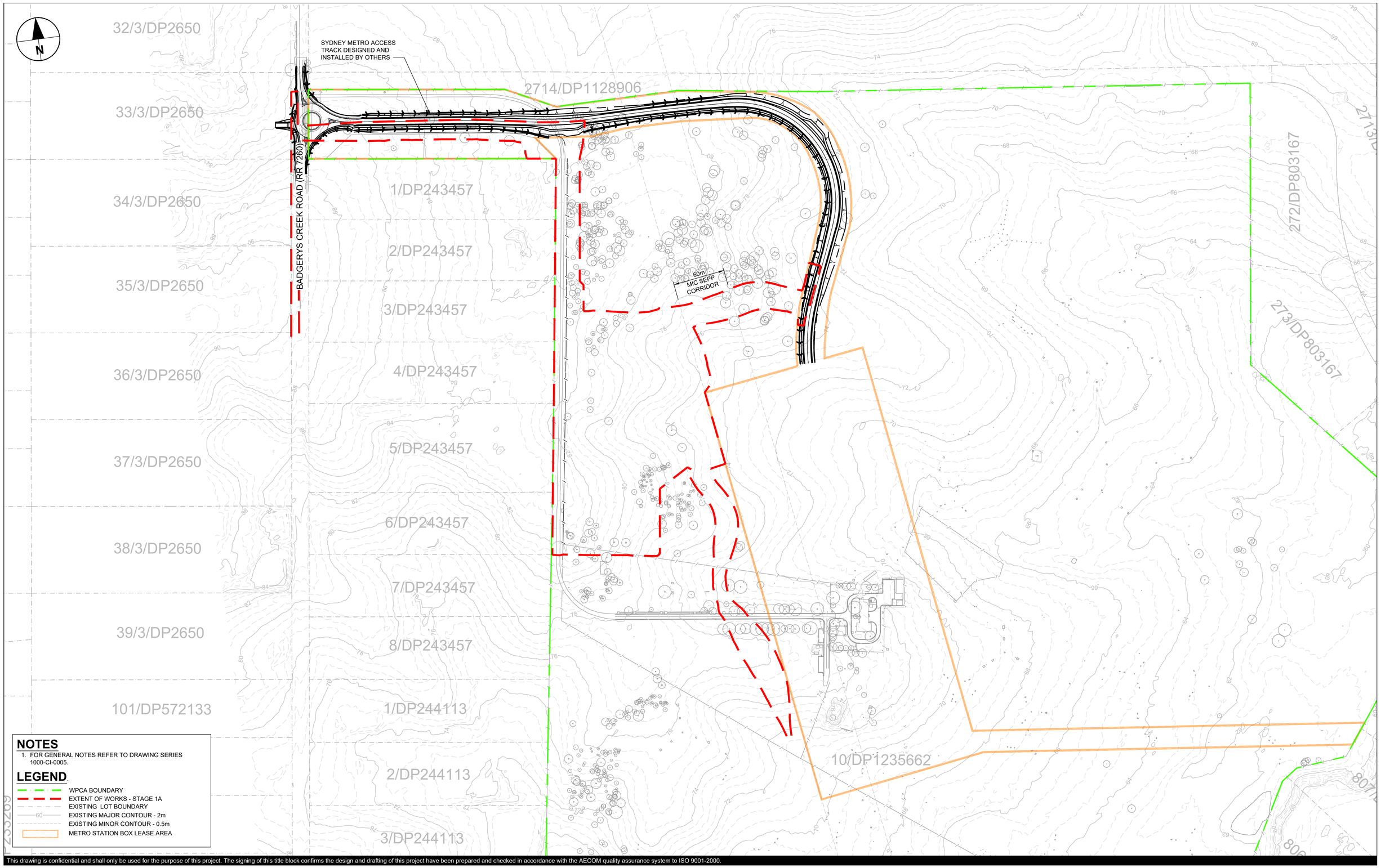
NOT FOR CONSTRUCTION

PROJECT NUMBER
60646285

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
60646285-SHT-00-1000-CI-0005

ISO A1 594mm x 841mm



NOTES

1. FOR GENERAL NOTES REFER TO DRAWING SERIES 1000-CI-0005.

LEGEND

- WPCA BOUNDARY
- EXTENT OF WORKS - STAGE 1A
- EXISTING LOT BOUNDARY
- 60 EXISTING MAJOR CONTOUR - 2m
- EXISTING MINOR CONTOUR - 0.5m
- METRO STATION BOX LEASE AREA

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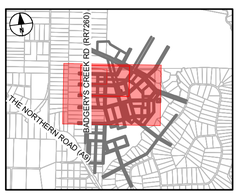
PROJECT

AEROTROPOLIS CORE PRECINCT BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN



SCALE BAR

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1:2000

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

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1	15.11.21	PRELIMINARY CONCEPT DESIGN
I/R	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

SHEET TITLE

EXISTING CONDITIONS AND TOPOGRAPHIC OVERALL

SHEET NUMBER

60646285-SHT-00-1000-CI-0015

Last saved by: SHION.WATAKABE@2022-04-29 Last Plotted: 2022-04-29
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ISO A1 594mm x 841mm

BADGERYS CREEK ROAD (RR 7260)

TEMPORARY SEDIMENT BASIN

STABILISED CONSTRUCTION ENTRANCE/EXIT WITH WHEEL WASH

SYDNEY METRO ACCESS TRACK DESIGNED AND INSTALLED BY OTHERS

SEDIMENT FENCE

STABILISED CONSTRUCTION ENTRANCE/EXIT WITH WHEEL WASH

60m MIC SEPP CORRIDOR

TEMPORARY DIVERSION SWALE TO DIVERT ROAD CATCHMENT TO TEMPORARY SEDIMENT BASIN

TEMPORARY SEDIMENT BASIN

INLET FILTER (TYP.)

CONTINUATION - REFER TO SHEET 02

NOTES

1. FOR GENERAL NOTES REFER TO DRAWING SERIES 1000-CI-0005.

LEGEND

- WPCA BOUNDARY
- EXTENT OF WORKS - STAGE 1A
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- PROPOSED WORKS
- TEMPORARY SWALE
- TEMPORARY DIVERSION
- TEMPORARY SEDIMENT BASIN
- METRO STATION BOX LEASE AREA
- SEDIMENT FENCE
- STABILISED CONSTRUCTION ACCESS
- RIP RAP
- INLET FILTER
- ROCK CHECK DAM

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CONSULTANT

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www.aecom.com

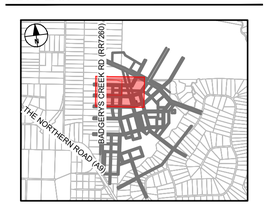
PROJECT

AEROTROPOLIS CORE PRECINCT BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN



SCALE BAR

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1:1000

SAFETY IN DESIGN INFORMATION

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☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

5	02.09.22	ISSUED FOR APPROVAL
4	29.04.22	ISSUED FOR TENDER
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2	05.04.22	DRAFT TENDER COORDINATION
1	15.11.21	PRELIMINARY CONCEPT DESIGN
I/R	DATE	DESCRIPTION

SHEET TITLE

CONCEPT EROSION AND SEDIMENT CONTROL PLAN SHEET 01

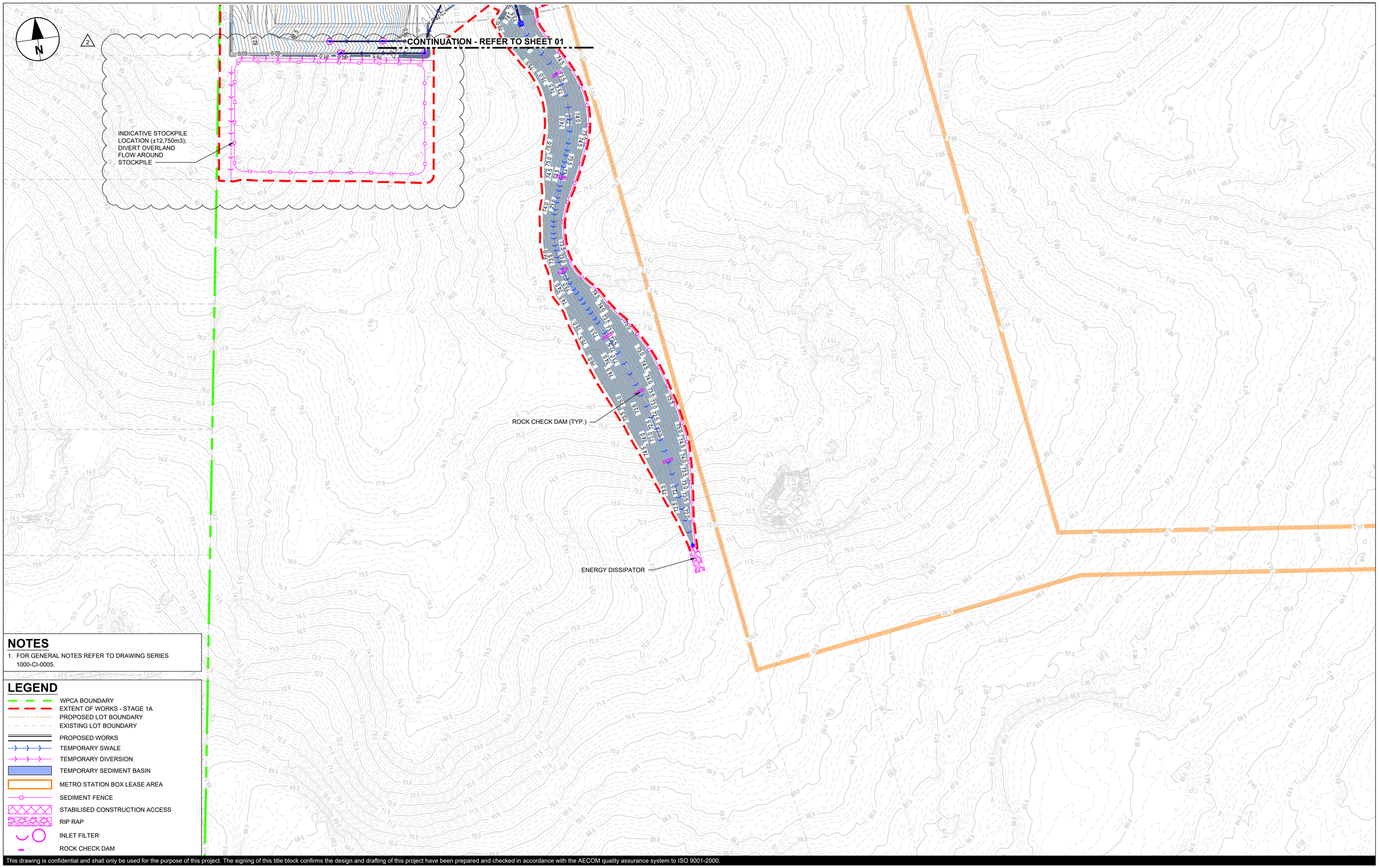
SHEET NUMBER

60646285-SHT-00-1000-CI-0031

NOT FOR CONSTRUCTION

Last saved by: SHION.WATAKABE(2022-04-29) Last Plotted: 2022-04-29
Filename: C:\PWWORKING\AECOM_DS10_AU\MARJORIE.CALDA@AECOM.COM\D0312723\60646285-SHT-00-1000-CI-0031.DWG

ISO A1 594mm x 841mm



NOTES

1. FOR GENERAL NOTES REFER TO DRAWING SERIES 1000-CI-0005.

LEGEND

- WPCA BOUNDARY
- EXTENT OF WORKS - STAGE 1A
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- PROPOSED WORKS
- TEMPORARY SWALE
- TEMPORARY DIVERSION
- TEMPORARY SEDIMENT BASIN
- METRO STATION BOX LEASE AREA
- SEDIMENT FENCE
- STABILISED CONSTRUCTION ACCESS
- RIP RAP
- INLET FILTER
- ROCK CHECK DAM

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CONSULTANT

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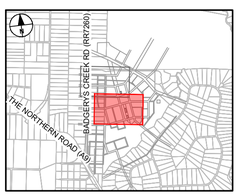
PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN



SCALE BAR

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SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

3	02.09.2022	FOR APPROVAL
2	19.05.2022	TENDER ADDENDUM #1
1	29.04.22	ISSUED FOR TENDER
I/R	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

SHEET TITLE

CONCEPT EROSION AND SEDIMENT CONTROL PLAN
SHEET 02

SHEET NUMBER

60646285-SHT-00-1000-CI-0032

Last saved by: SHION.WATAKABE (2022-05-13) Last Plotted: 2022-05-18
Filename: C:\PW\WORKING\AECOM_DS10_AU\SHION.WATAKABE@AECOM.COM\D0312723\60646285-SHT-00-1000-CI-0032.DWG

ISO A1 594mm x 841mm

32/3/DP2650
33/3/DP2650
34/3/DP2650
35/3/DP2650
36/3/DP2650
37/3/DP2650
38/3/DP2650
39/3/DP2650
6/DP243457
7/DP243457
8/DP243457
1/DP244113
2/DP244113
3/DP244113
2714/DP1128906
1/DP
3/DP24
4/DP243457
5/DP243457
2/DP243457
10/DP1235662
272/DP803167
273/DP803167
2713/D
807
806

BADGERYS CREEK ROAD (RR 7260)

SAWCUT AND DEMOLISH ±36.7m EXISTING KERB AND GUTTER

SYDNEY METRO ACCESS TRACK DESIGNED AND INSTALLED BY OTHERS

EXISTING ROAD, FENCE/GATE, DRAINAGE PIPE AND HEADWALLS DEMOLISHED BY OTHERS AS PART OF SYDNEY METRO ACCESS TRACK

ENVIRONMENTALLY PROTECTED AREA TO REMAIN UNDISTURBED AT ALL TIMES

STRIP TOPSOIL AND EXPOSE COMPACTED FILL OF METRO ACCESS TRACK BATTERS

REMOVE EXISTING HEADWALL (INSTALLED AS PART OF SYDNEY METRO ACCESS TRACK) AND EXTEND DRAINAGE PIPES

60m MIC SEPP CORRIDOR

DEMOLISH EXISTING 1.1m HIGH STREET POST AND WIRE FENCE

DEMOLISH EXISTING ASPHALT ROAD

CLEAR AND GRUB WITHIN STAGE 1A PROJECT EXTENTS

DEMOLISH EXISTING Ø300 CONCRETE CULVERT AND HEADWALLS

CONTINUATION - REFER TO SHEET 02

DEMOLISH EXISTING WIRE MESH FENCE

DEMOLISH EXISTING ASPHALT ROAD

NOTES

1. FOR GENERAL NOTES REFER TO DRAWING SERIES 1000-CI-0005.

LEGEND

- WPCA BOUNDARY
- EXTENT OF WORKS - STAGE 1A
- EXISTING PAVEMENT TO BE DEMOLISHED
- ENVIRONMENTALLY PROTECTED AREA TO REMAIN UNDISTURBED AT ALL TIMES
- METRO STATION BOX LEASE AREA
- EXISTING FEATURE TO BE DEMOLISHED
- EXISTING LOT BOUNDARY
- EXISTING FENCE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE RETAINED

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CONSULTANT

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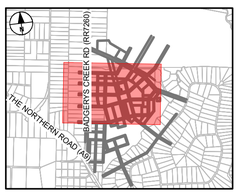
PROJECT

AEROTROPOLIS CORE PRECINCT BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN



SCALE BAR

0 50 100 m
1:2000

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

I/R	DATE	DESCRIPTION
5	02.09.22	ISSUED FOR APPROVAL
4	29.04.22	ISSUED FOR TENDER
3	22.04.22	DRAFT TENDER COORDINATION
2	05.04.22	DRAFT TENDER COORDINATION
1	15.11.21	PRELIMINARY CONCEPT DESIGN

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

SHEET TITLE

DEMOLITION PLAN

SHEET NUMBER

60646285-SHT-00-1000-CI-0051

Last saved by: SHION.WATAKABE@2022-04-29 Last Plotted: 2022-04-29
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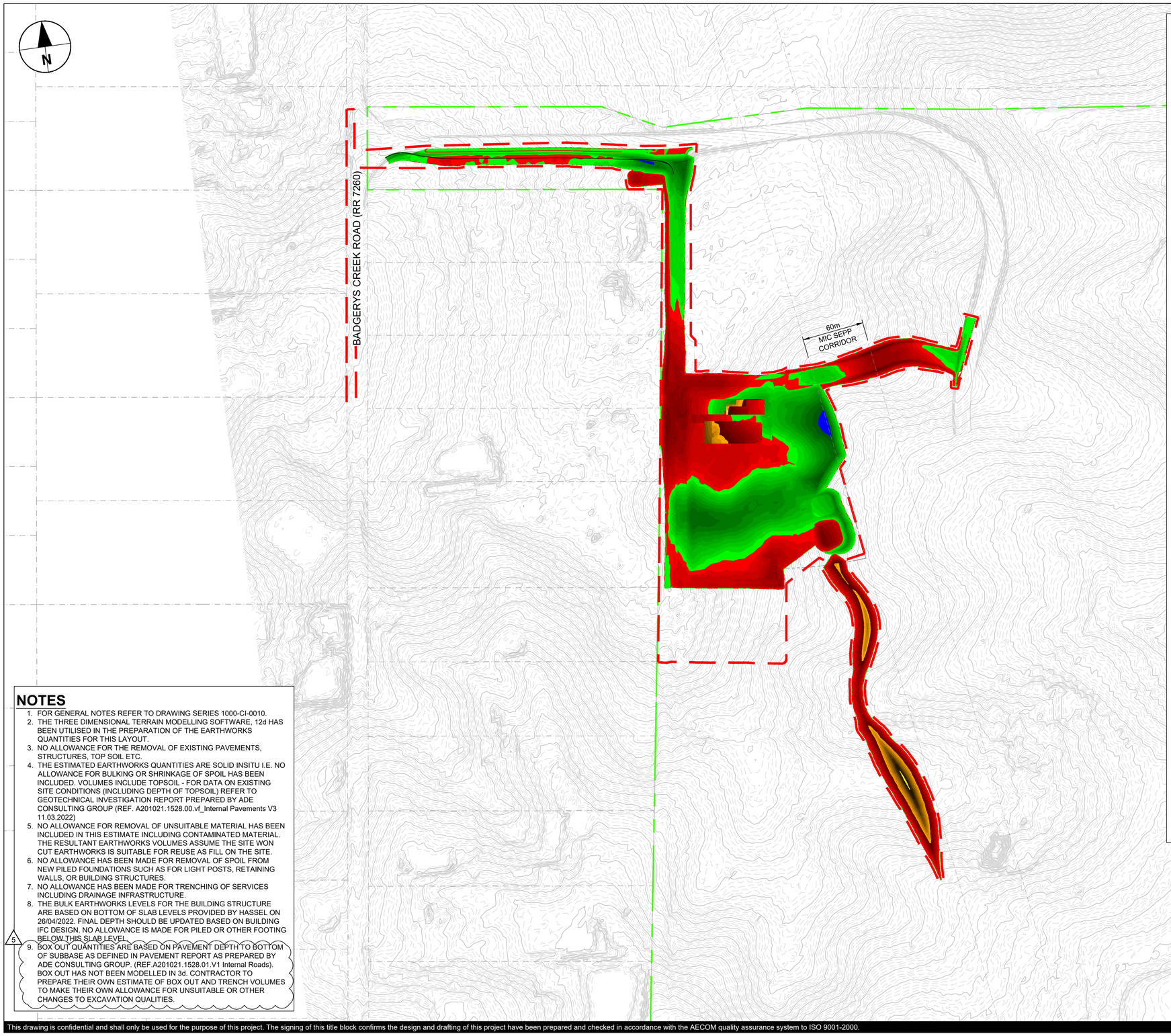
ISO A1 594mm x 841mm



DEPTH: SURVEY TO DESIGN SURFACE

LOWER VALUE		UPPER VALUE		COLOUR
-30.0	to	-5.8	m	
-5.8	to	-5.6	m	
-5.6	to	-5.4	m	
-5.4	to	-5.2	m	
-5.2	to	-5.0	m	
-5.0	to	-4.8	m	
-4.8	to	-4.6	m	
-4.6	to	-4.4	m	
-4.4	to	-4.2	m	
-4.2	to	-4.0	m	
-4.0	to	-3.8	m	
-3.8	to	-3.6	m	
-3.6	to	-3.4	m	
-3.4	to	-3.2	m	
-3.2	to	-3.0	m	
-3.0	to	-2.8	m	
-2.8	to	-2.6	m	
-2.6	to	-2.4	m	
-2.4	to	-2.2	m	
-2.2	to	-2.0	m	
-2.0	to	-1.8	m	
-1.8	to	-1.6	m	
-1.6	to	-1.4	m	
-1.4	to	-1.2	m	
-1.2	to	-1.0	m	
-1.0	to	-0.8	m	
-0.8	to	-0.6	m	
-0.6	to	-0.4	m	
-0.4	to	-0.2	m	
-0.2	to	0.0	m	

LOWER VALUE		UPPER VALUE		COLOUR
0.0	to	0.2	m	
0.2	to	0.4	m	
0.4	to	0.6	m	
0.6	to	0.8	m	
0.8	to	1.0	m	
1.0	to	1.2	m	
1.2	to	1.4	m	
1.4	to	1.6	m	
1.6	to	1.8	m	
1.8	to	2.0	m	
2.0	to	2.2	m	
2.2	to	2.4	m	
2.4	to	2.6	m	
2.6	to	2.8	m	
2.8	to	3.0	m	
3.0	to	3.2	m	
3.2	to	3.4	m	
3.4	to	3.6	m	
3.6	to	3.8	m	
3.8	to	4.0	m	
4.0	to	4.2	m	
4.2	to	4.4	m	
4.4	to	4.6	m	
4.6	to	4.8	m	
4.8	to	5.0	m	
5.0	to	5.2	m	
5.2	to	5.4	m	
5.4	to	5.6	m	
5.6	to	5.8	m	
5.8	to	300	m	

NOTES

1. FOR GENERAL NOTES REFER TO DRAWING SERIES 1000-CI-0010.
2. THE THREE DIMENSIONAL TERRAIN MODELLING SOFTWARE, 12d HAS BEEN UTILISED IN THE PREPARATION OF THE EARTHWORKS QUANTITIES FOR THIS LAYOUT.
3. NO ALLOWANCE FOR THE REMOVAL OF EXISTING PAVEMENTS, STRUCTURES, TOP SOIL ETC.
4. THE ESTIMATED EARTHWORKS QUANTITIES ARE SOLID INSITU I.E. NO ALLOWANCE FOR BULKING OR SHRINKAGE OF SPOIL HAS BEEN INCLUDED. VOLUMES INCLUDE TOPSOIL - FOR DATA ON EXISTING SITE CONDITIONS (INCLUDING DEPTH OF TOPSOIL) REFER TO GEOTECHNICAL INVESTIGATION REPORT PREPARED BY ADE CONSULTING GROUP (REF. A201021.1528.00.vf_Internal Pavements V3 11.03.2022)
5. NO ALLOWANCE FOR REMOVAL OF UNSUITABLE MATERIAL HAS BEEN INCLUDED IN THIS ESTIMATE INCLUDING CONTAMINATED MATERIAL. THE RESULTANT EARTHWORKS VOLUMES ASSUME THE SITE WON CUT EARTHWORKS IS SUITABLE FOR REUSE AS FILL ON THE SITE.
6. NO ALLOWANCE HAS BEEN MADE FOR REMOVAL OF SPOIL FROM NEW PILED FOUNDATIONS SUCH AS FOR LIGHT POSTS, RETAINING WALLS, OR BUILDING STRUCTURES.
7. NO ALLOWANCE HAS BEEN MADE FOR TRENCHING OF SERVICES INCLUDING DRAINAGE INFRASTRUCTURE.
8. THE BULK EARTHWORKS LEVELS FOR THE BUILDING STRUCTURE ARE BASED ON BOTTOM OF SLAB LEVELS PROVIDED BY HASSEL ON 26/04/2022. FINAL DEPTH SHOULD BE UPDATED BASED ON BUILDING IFC DESIGN. NO ALLOWANCE IS MADE FOR PILED OR OTHER FOOTING BELOW THIS SLAB LEVEL.

5 9. BOX OUT QUANTITIES ARE BASED ON PAVEMENT DEPTH TO BOTTOM OF SUBBASE AS DEFINED IN PAVEMENT REPORT AS PREPARED BY ADE CONSULTING GROUP. (REF A201021.1528.01.V1 Internal Roads). BOX OUT HAS NOT BEEN MODELLED IN 3d. CONTRACTOR TO PREPARE THEIR OWN ESTIMATE OF BOX OUT AND TRENCH VOLUMES TO MAKE THEIR OWN ALLOWANCE FOR UNSUITABLE OR OTHER CHANGES TO EXCAVATION QUALITIES.

EARTHWORKS VOLUME

FILL VOLUME FROM 12d (NOTE 2)	18,380.2 m3
CUT VOLUME FROM 12d (NOTE 2)	23,135.5 m3
PAVEMENT VOLUME IN FILL (NOTE 9)	3,928.9 m3
PAVEMENT VOLUME IN CUT (NOTE 9)	3,687.3 m3
FILL VOLUME ADJUSTED FOR PAVEMENT	14,451.3 m3
CUT VOLUME ADJUSTED FOR PAVEMENT	26,822.8 m3
NET CUT	12,371.5 m3

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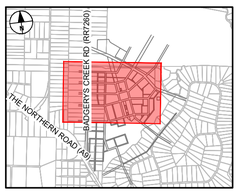
PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN



SCALE BAR

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1:2000

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
6	02.09.2022	FOR APPROVAL
5	19.05.2022	TENDER ADDENDUM #1
4	29.04.22	ISSUED FOR TENDER
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2	05.04.22	DRAFT TENDER COORDINATION
1	15.11.21	PRELIMINARY CONCEPT DESIGN

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

SHEET TITLE

BULK EARTHWORKS PLAN

SHEET NUMBER

60646285-SHT-00-1000-CI-0061

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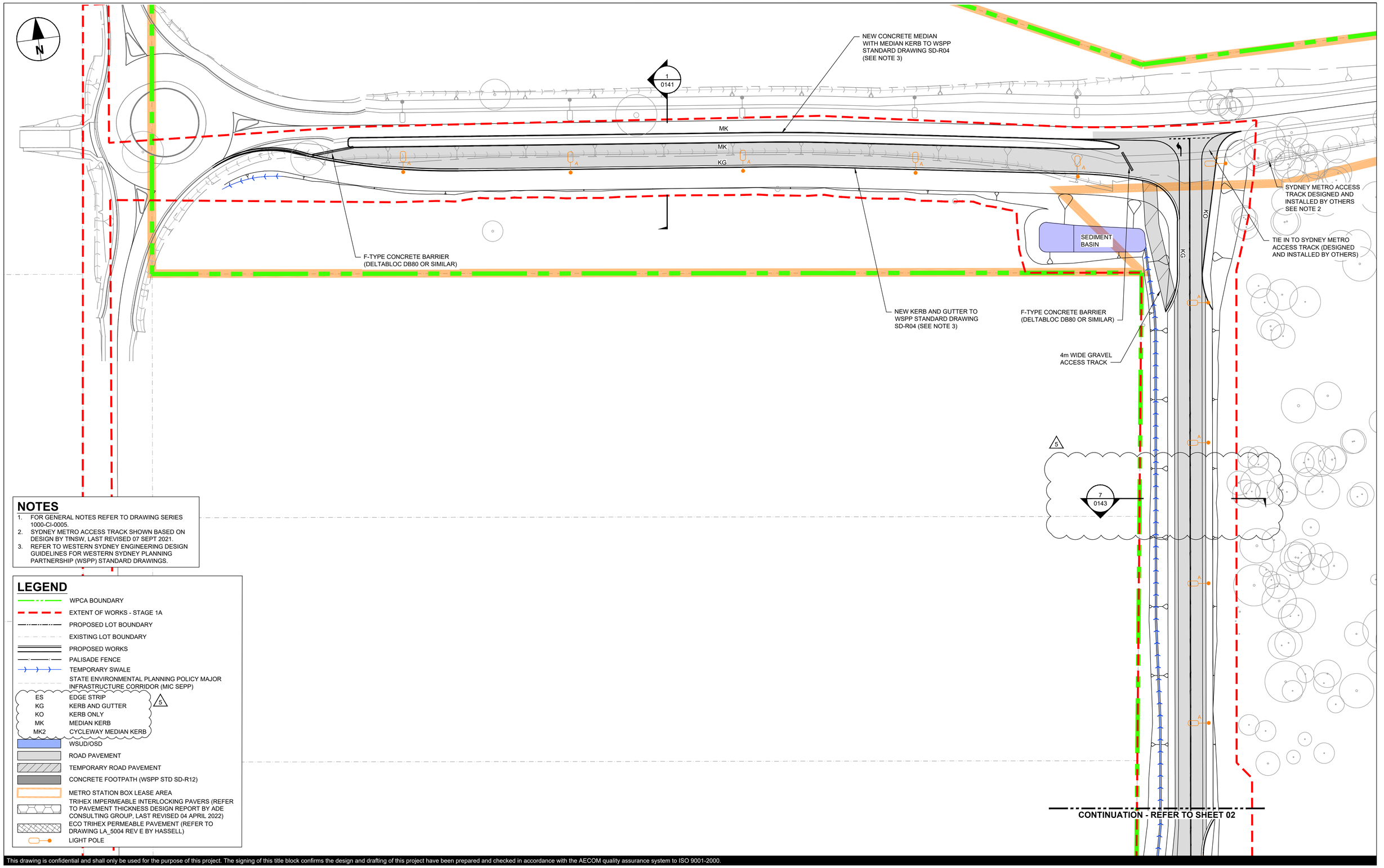
Filename: C:\PWWORKING\AECOM_DS10_AU\SHION.WATAKABE@AECOM.COM\D031272\60646285-SHT-00-1000-CI-0061.DWG

ISO A1 594mm x 841mm



NOTES

1. FOR GENERAL NOTES REFER TO DRAWING SERIES 1000-CI-0005.
2. SYDNEY METRO ACCESS TRACK SHOWN BASED ON DESIGN BY TfNSW, LAST REVISED 07 SEPT 2021.
3. REFER TO WESTERN SYDNEY ENGINEERING DESIGN GUIDELINES FOR WESTERN SYDNEY PLANNING PARTNERSHIP (WSPP) STANDARD DRAWINGS.

LEGEND

- WPCA BOUNDARY
- EXTENT OF WORKS - STAGE 1A
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- PROPOSED WORKS
- PALISADE FENCE
- TEMPORARY SWALE
- STATE ENVIRONMENTAL PLANNING POLICY MAJOR INFRASTRUCTURE CORRIDOR (MIC SEPP)
- ES EDGE STRIP
- KG KERB AND GUTTER
- KO KERB ONLY
- MK MEDIAN KERB
- MK2 CYCLEWAY MEDIAN KERB
- WSUD/OSD
- ROAD PAVEMENT
- TEMPORARY ROAD PAVEMENT
- CONCRETE FOOTPATH (WSPP STD SD-R12)
- METRO STATION BOX LEASE AREA
- TRIHEX IMPERMEABLE INTERLOCKING PAVERS (REFER TO PAVEMENT THICKNESS DESIGN REPORT BY ADE CONSULTING GROUP, LAST REVISED 04 APRIL 2022)
- ECO TRIHEX PERMEABLE PAVEMENT (REFER TO DRAWING LA_5004 REV E BY HASSELL)
- LIGHT POLE

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CONSULTANT

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PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN



SCALE BAR

0 12.5 25 m
1:500

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
6	02.09.2022	FOR APPROVAL
5	19.05.2022	TENDER ADDENDUM #1
4	29.04.22	ISSUED FOR TENDER
3	22.04.22	DRAFT TENDER COORDINATION
2	05.04.22	DRAFT TENDER COORDINATION
1	12.01.21	PRELIMINARY CONCEPT DESIGN

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

SHEET TITLE

GENERAL ARRANGEMENT PLAN
SHEET 01

SHEET NUMBER

60646285-SHT-00-1000-CI-0121

Last saved by: SHION.WATAKABE@2022-05-13) Last Plotted: 2022-05-18
Filename: C:\PWWORKING\AECOM_DS10_AU\SHION.WATAKABE@AECOM.COM\D0312723\60646285-SHT-00-1000-CI-0121.DWG

ISO A1 594mm x 841mm

N

NEW KERB AND GUTTER TO WSPP STANDARD DRAWING SD-R04 (SEE NOTE 3)

F-TYPE CONCRETE BARRIERS (DELTABLOC D80 OR SIMILAR) TO BE INSTALLED AFTER FIRST BUILDING CONSTRUCTION

60m MIC SEPP CORRIDOR

CONTINUATION - REFER TO INSET

3 / 0142

B / INSET

NEW KERB ONLY TO WSPP STANDARD DRAWING SD-R04 (SEE NOTE 3)

BICYCLE RAMP REFER TO INSET B

2 / 0141

NEW CONCRETE MEDIAN WITH MEDIAN KERB TO WSPP STANDARD DRAWING SD-R04 (SEE NOTE 3)

46 STANDARD + 2 DDA + 2 EV CAR SPACES

5 / 0143

REFER TO PLANS BY HASSELL FOR PROPOSED SURFACE FINISHES WITHIN LOT

KERB ONLY TO WSPP STANDARD DRAWING SD-R04

EDGE STRIP TO WSPP STANDARD DRAWING SD-R04 (TYP)

SEWER INTERIM OPERATING PROCEDURE (IOP) SYSTEM WITH TRUCKED PUMP-OUT ACCESS. REFER TO 60646285-SHT-00-1000-CI-0612 AND SYDNEY WATER CN197788 FOR DETAILS.

4.2m WIDE VEHICULAR GATE

4m WIDE GRAVEL ACCESS TRACK

REFER TO PLANS BY HASSELL FOR INTERNAL FOOTPATH DETAILS

6 / 0143

NEW 2m WIDE CONCRETE FOOTPATH TO WSPP STANDARD DRAWING SDR11 (SEE NOTE 3)

WSUD BASIN

OSD BASIN

TEMPORARY ON-SITE DETENTION POND

1.8m HIGH PALISADE FENCE

NEW KERB AND GUTTER TO WSPP STANDARD DRAWING SD-R04 (SEE NOTE 3)

EDGE STRIP TO WSPP STANDARD DRAWING SD-R04 (TYP)

4 / 0142

TIE IN TO SYDNEY METRO ACCESS TRACK (DESIGNED AND INSTALLED BY OTHERS, SEE NOTE 2)

INSET B
SCALE 1:200

FOOTPATH LEVEL

500mm WIDE CYCLEWAY CONCRETE MEDIAN (MK2) WITH NOSE TREATMENT TO TfNSW STD R0300-03

ROAD LEVEL

INSET A
SCALE 1:500

CONTINUATION - REFER TO PLAN

NOTES
1. FOR GENERAL NOTES REFER TO DRAWING SERIES 1000-CI-0005.
2. SYDNEY METRO ACCESS TRACK SHOWN BASED ON DESIGN BY TfNSW, LAST REVISED 07 SEPT 2021.
3. REFER TO WESTERN SYDNEY ENGINEERING DESIGN GUIDELINES FOR WESTERN SYDNEY PLANNING PARTNERSHIP (WSPP) STANDARD DRAWINGS.

LEGEND
- WPCA BOUNDARY
- EXTENT OF WORKS - STAGE 1A
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- PROPOSED WORKS
- PALISADE FENCE
- TEMPORARY SWALE
- STATE ENVIRONMENTAL PLANNING POLICY MAJOR INFRASTRUCTURE CORRIDOR (MIC SEPP)
- ES EDGE STRIP
- KG KERB AND GUTTER
- KO KERB ONLY
- MK MEDIAN KERB
- MK2 CYCLEWAY MEDIAN KERB
- WSUD/OSD
- ROAD PAVEMENT
- TEMPORARY ROAD PAVEMENT
- CONCRETE FOOTPATH (WSPP STD SD-R12)
- METRO STATION BOX LEASE AREA
- TRIHEX IMPERMEABLE INTERLOCKING PAVERS (REFER TO PAVEMENT THICKNESS DESIGN REPORT BY ADE CONSULTING GROUP, LAST REVISED 04 APRIL 2022)
- ECO TRIHEX PERMEABLE PAVEMENT (REFER TO DRAWING LA_5004 REV E BY HASSELL)
- LIGHT POLE

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CONSULTANT
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PROJECT
AEROTROPOLIS CORE PRECINCT BRINGELLY

CLIENT
NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN

SCALE BAR
0 12.5 25 m
1:500
0 5 10 m
1:200

SAFETY IN DESIGN INFORMATION
ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA57

ISSUE/REVISION

I/R	DATE	DESCRIPTION
4	02.09.2022	FOR APPROVAL
3	19.05.2022	TENDER ADDENDUM #1
2	29.04.22	ISSUED FOR TENDER
1	22.04.22	DRAFT TENDER COORDINATION

NOT FOR CONSTRUCTION

PROJECT NUMBER
60646285

SHEET TITLE
GENERAL ARRANGEMENT PLAN
SHEET 02

SHEET NUMBER
60646285-SHT-00-1000-CI-0122

Last saved by: SHION.WATAKABE (2022-05-13) Last Plotted: 2022-05-18
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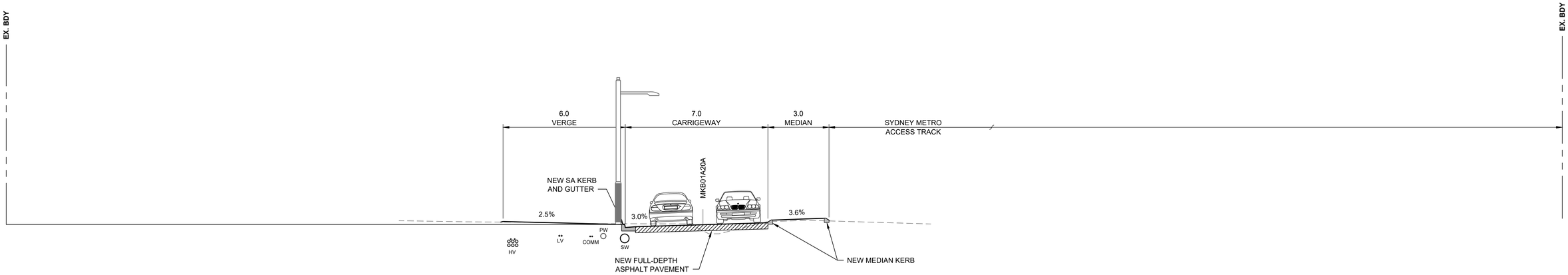
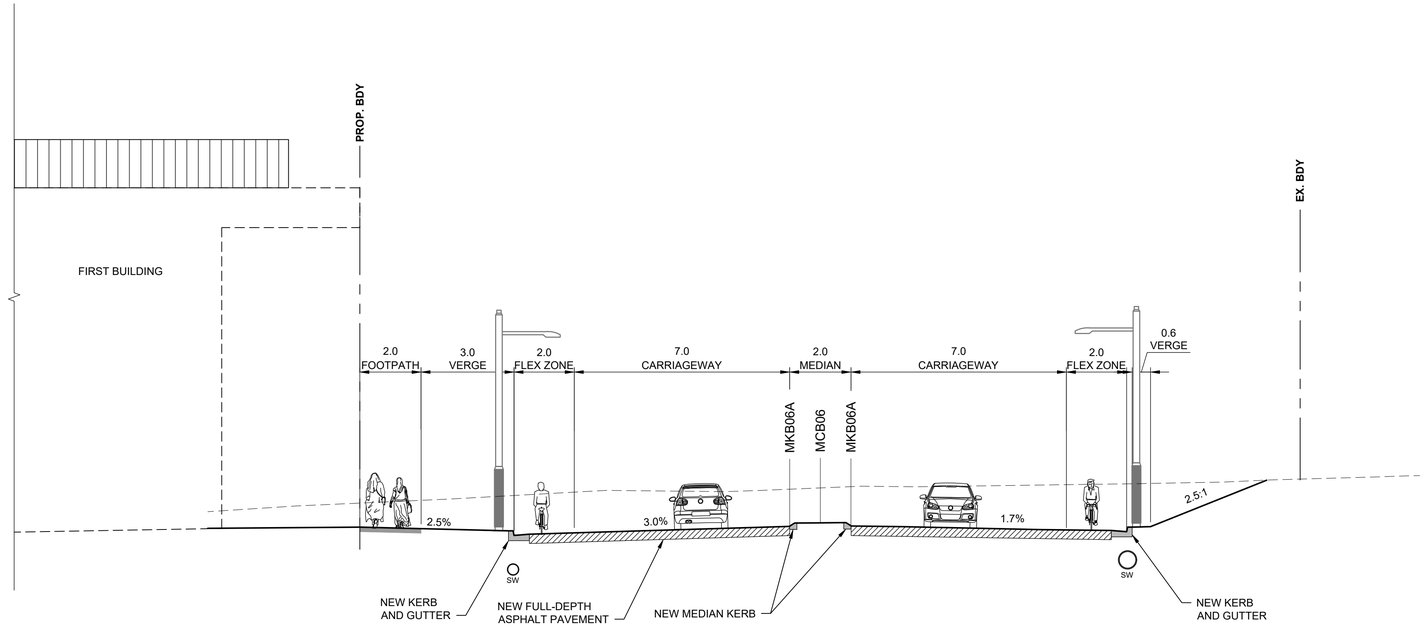
ISO A1 594mm x 841mm



1 | TYPICAL SECTION - MKB01A02A

CI-0121

SCALE 1:100



2 | TYPICAL SECTION - MCB06

CI-0122

SCALE 1:100

Last saved by: MARJORIE.CALDA(2022-04-29) Last Plotted: 2022-04-29
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PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT Western Parkland City Authority

SCALE BAR

0 2.5 5 m H=1:100 V=1:100
0 2.5 5

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

5	02.09.22	ISSUED FOR APPROVAL
4	29.04.22	ISSUED FOR TENDER
3	22.04.22	DRAFT TENDER COORDINATION
2	05.04.22	DRAFT TENDER COORDINATION
1	15.11.21	PRELIMINARY CONCEPT DESIGN
I/R	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

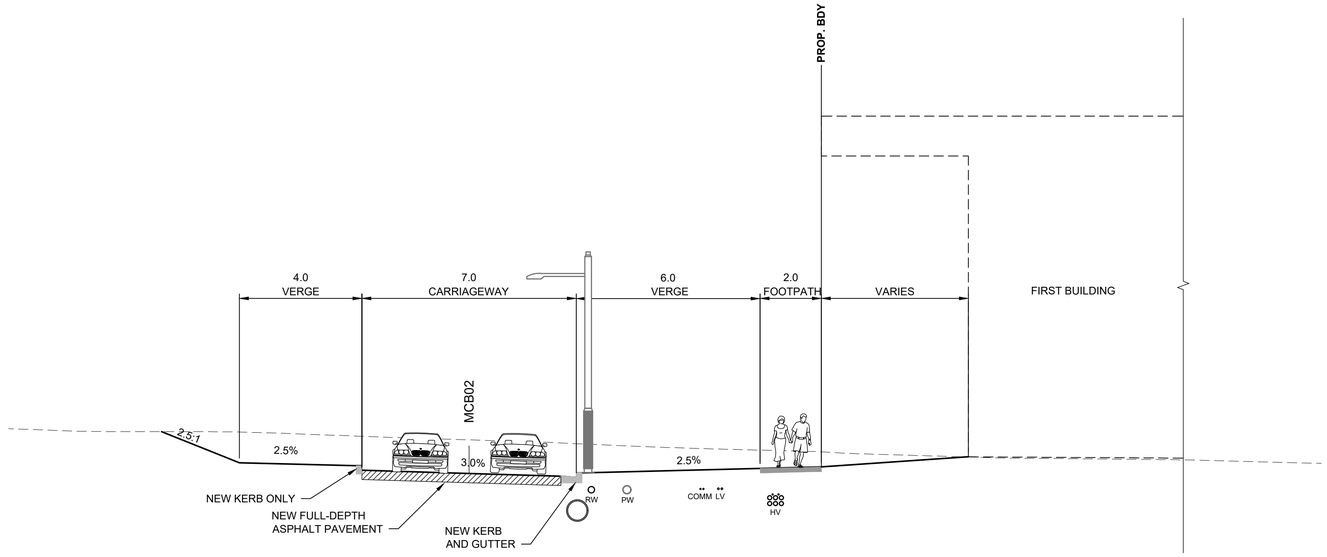
SHEET TITLE

TYPICAL SITE SECTIONS
SHEET 01

SHEET NUMBER

60646285-SHT-00-1000-CI-0141

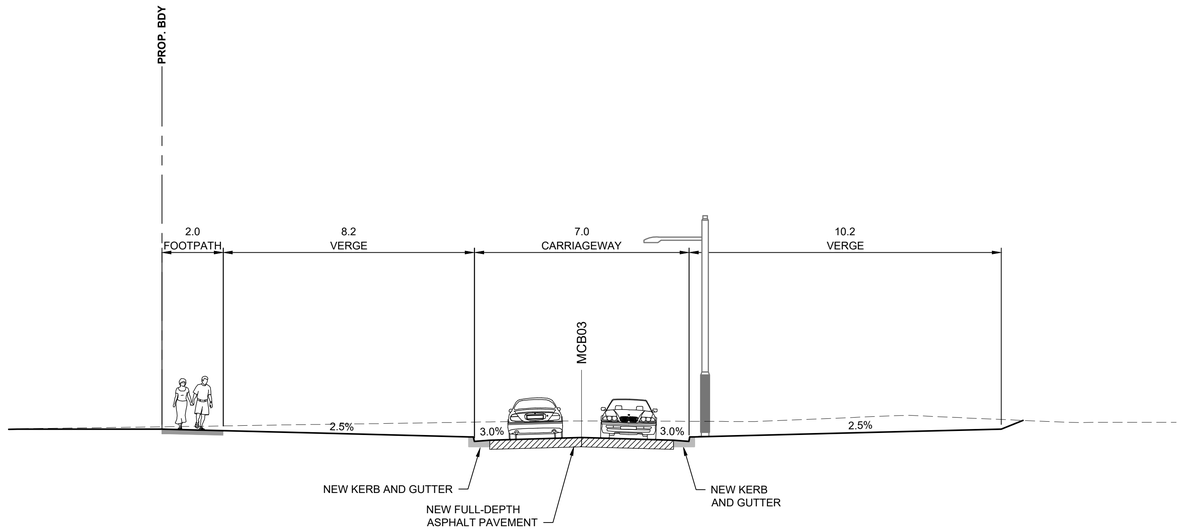
ISO A1 594mm x 841mm



3 TYPICAL SECTION - MCB02

CI-0122

SCALE 1:100



4 TYPICAL SECTION - MCB03

CI-0122

SCALE 1:100

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PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

SCALE BAR

0 2.5 5 m H=1:100 V=1:100

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

5	02.09.22	ISSUED FOR APPROVAL
4	29.04.22	ISSUED FOR TENDER
3	22.04.22	DRAFT TENDER COORDINATION
2	05.04.22	DRAFT TENDER COORDINATION
1	15.11.21	PRELIMINARY CONCEPT DESIGN
I/R	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

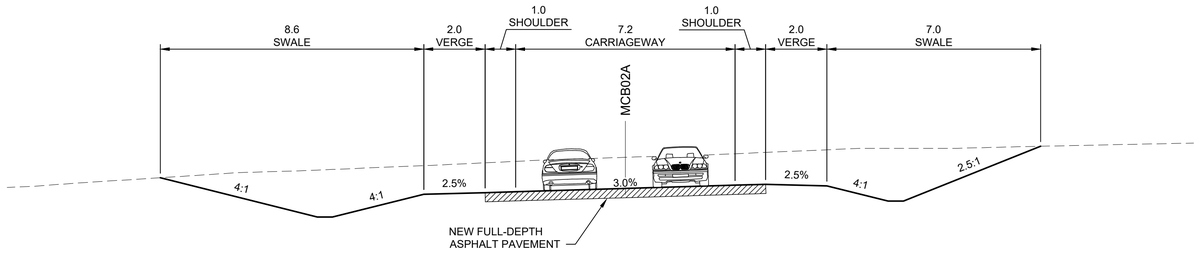
SHEET TITLE

TYPICAL SITE SECTIONS
SHEET 02

SHEET NUMBER

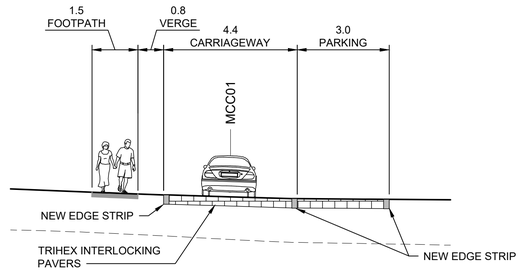
60646285-SHT-00-1000-CI-0142

ISO A1 594mm x 841mm



5 | TYPICAL SECTION - MCB02A

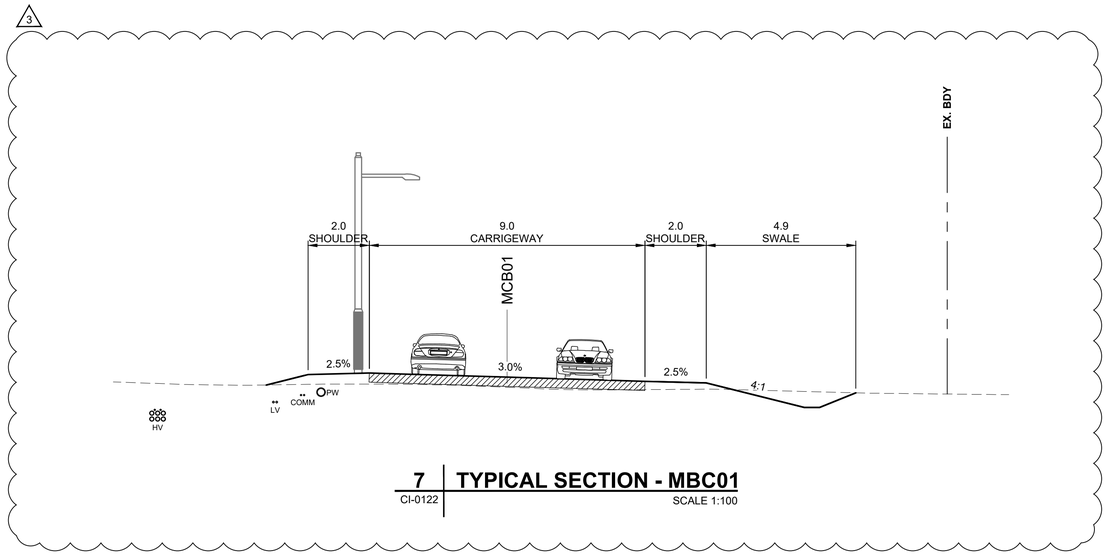
CI-0122 | SCALE 1:100



6 | TYPICAL SECTION - MCC01

CI-0122 | SCALE 1:100

3



7 | TYPICAL SECTION - MBC01

CI-0122 | SCALE 1:100

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PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

SCALE BAR

0 2.5 5 m
1:100

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

3	19.05.2022	TENDER ADDENDUM #1
2	29.04.22	ISSUED FOR TENDER
1	22.04.22	DRAFT TENDER COORDINATION
I/R	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

SHEET TITLE

TYPICAL SITE SECTIONS
SHEET 03

SHEET NUMBER

60646285-SHT-00-1000-CI-0143

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ISO A1 594mm x 841mm

BADGERYS CREEK ROAD (RR 7260)

REFER TO SYDNEY METRO ACCESS TRACK DESIGN BY OTHERS FOR LINES AND SIGNAGE ON METRO ACCESS TRACK

MOUNTED ON CONCRETE BARRIER

MOUNTED ON CONCRETE BARRIER

INSET

REFER TO PLANS BY HASSELL FOR CARPARK LINES AND SIGNS, INCLUDING DDA AND EV CHARGING CAR SPACES

60m MIC SEPP CORRIDOR

MOUNTED ON CONCRETE BARRIER TO BE INSTALLED AFTER CONSTRUCTION OF FIRST BUILDING

MOUNTED ON GATE

NEW '10' PAVEMENT MARKING PER TfNSW SPECIFICATION R145

MOUNTED ON CONCRETE BARRIER

NOTES

1. FOR GENERAL NOTES REFER TO DRAWING SERIES 1000-CI-0005.
2. PROPOSED SHARED ZONE SUBJECT TO APPROVAL FROM TfNSW AND LOCAL TRAFFIC COMMITTEE.
3. SIGNPOSTING AND LINE MARKING SHALL CONFORM TO AS 1742.2 'RTA SUPPLEMENT TO AUSTRALIAN STANDARDS 1742', THE 'RTA DELINEATION' GUIDELINES AND TfNSW SIGNS DATABASE.

LEGEND

- WPCA BOUNDARY
- EXTENT OF WORKS - STAGE 1A
- METRO STATION BOX LEASE AREA
- PROPOSED SIGN POST
- PROPOSED SIGNAGE

INSET

SCALE 1:500

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CONSULTANT

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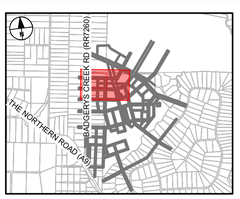
PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN



SCALE BAR

0 25 50 m
1:1000

0 12.5 25 m
1:500

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
5	02.09.22	ISSUED FOR APPROVAL
4	29.04.22	ISSUED FOR TENDER
3	22.04.22	DRAFT TENDER COORDINATION
2	05.04.22	DRAFT TENDER COORDINATION
1	15.11.21	PRELIMINARY CONCEPT DESIGN

PROJECT NUMBER

60646285

SHEET TITLE

SIGNAGE AND LINEMARKING PLAN

SHEET NUMBER

60646285-SHT-00-1000-CI-0161

NOT FOR CONSTRUCTION

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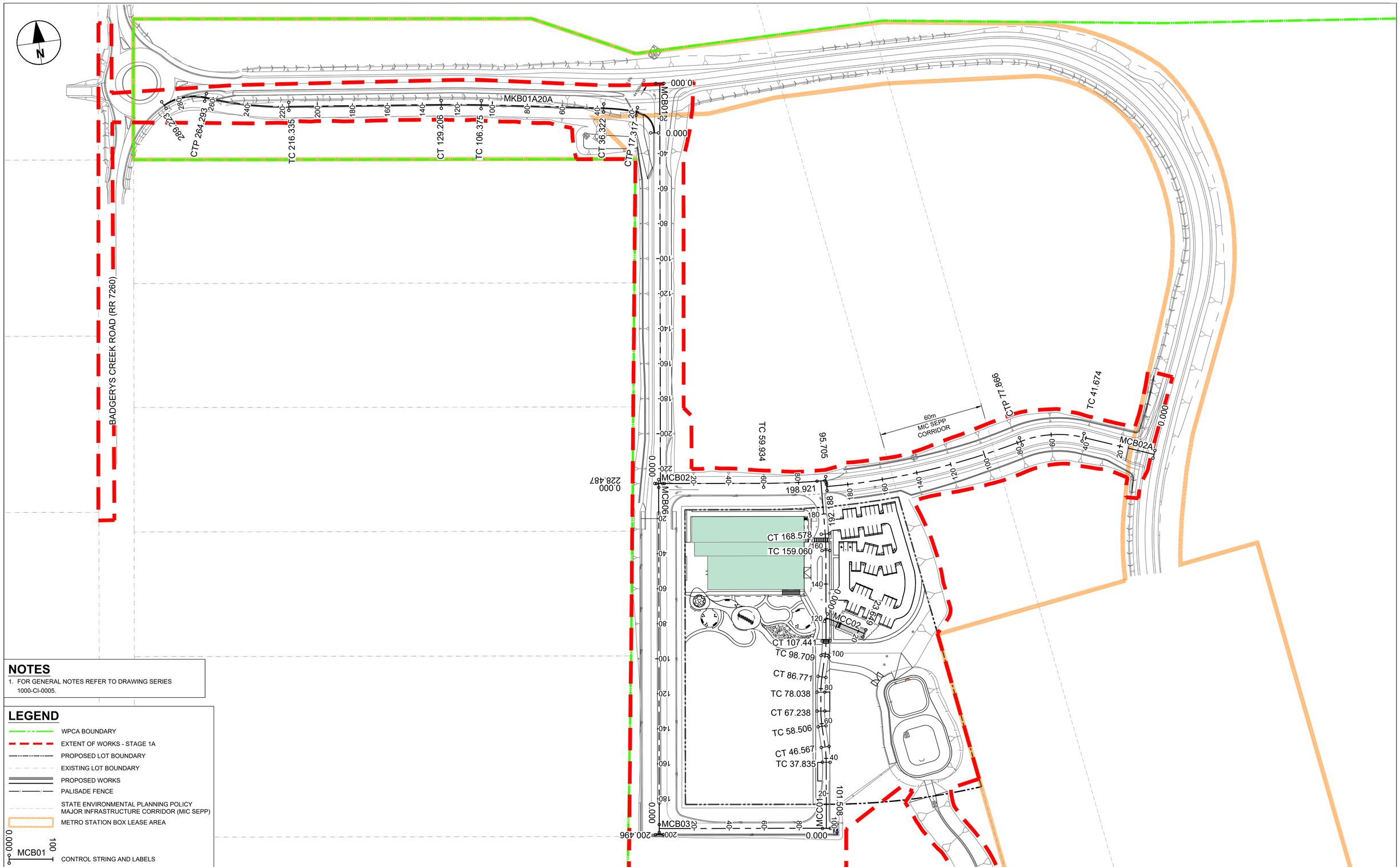
ISO A1 594mm x 841mm



NOTES

1. FOR GENERAL NOTES REFER TO DRAWING SERIES 1000-CI-0005.

LEGEND

- WPCA BOUNDARY
- EXTENT OF WORKS - STAGE 1A
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- PROPOSED WORKS
- PALISADE FENCE
- STATE ENVIRONMENTAL PLANNING POLICY MAJOR INFRASTRUCTURE CORRIDOR (MIC SEPP)
- METRO STATION BOX LEASE AREA
- 0.000 MCB01 100 — CONTROL STRING AND LABELS

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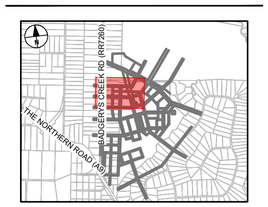
PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN



SCALE BAR

0 25 50 m
1:1000

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION
	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

SHEET TITLE

CONTROL PLAN

SHEET NUMBER

60646285-SHT-00-1000-CI-0301

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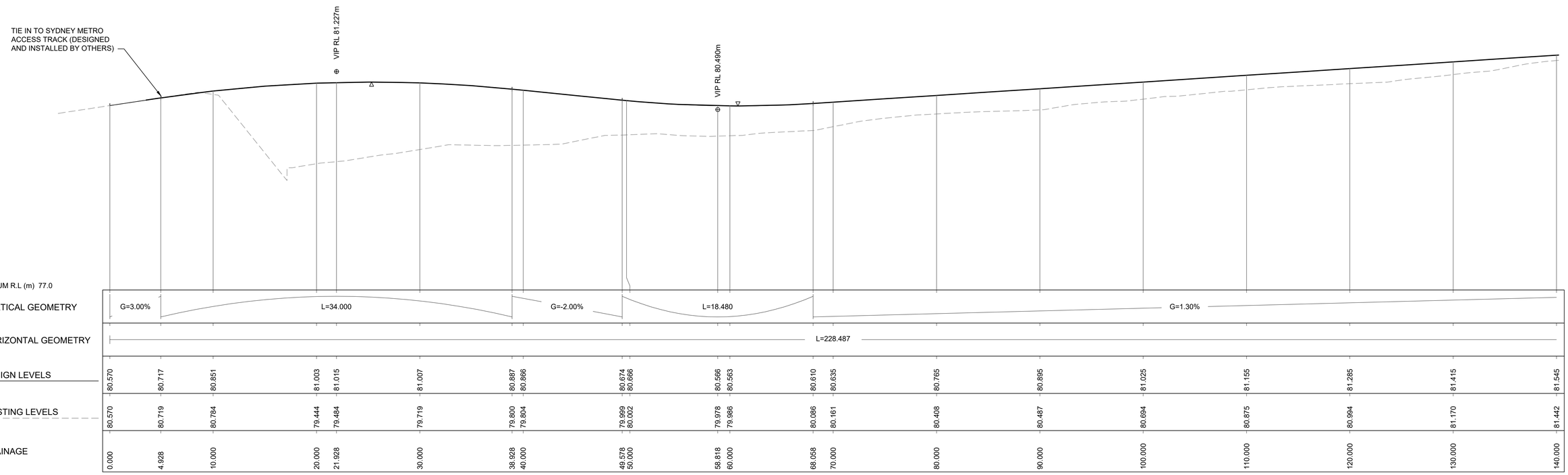
ISO A1 594mm x 841mm



LONGITUDINAL SECTION - MCB01

A1 VERTICAL SCALE 1:40
A1 HORIZONTAL SCALE 1:200

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CONSULTANT
AECOM Australia Pty Ltd
A.B.N 20 093 846 925
www.aecom.com

PROJECT
AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT
NSW GOVERNMENT Western Parkland City Authority

SCALE BAR
0 5 10 m H=1:200
0 1 2 V=1:40

SAFETY IN DESIGN INFORMATION
ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

5	02.09.22	ISSUED FOR APPROVAL
4	29.04.22	ISSUED FOR TENDER
3	22.04.22	DRAFT TENDER COORDINATION
2	05.04.22	DRAFT TENDER COORDINATION
1	15.11.21	PRELIMINARY CONCEPT DESIGN
I/R	DATE	DESCRIPTION

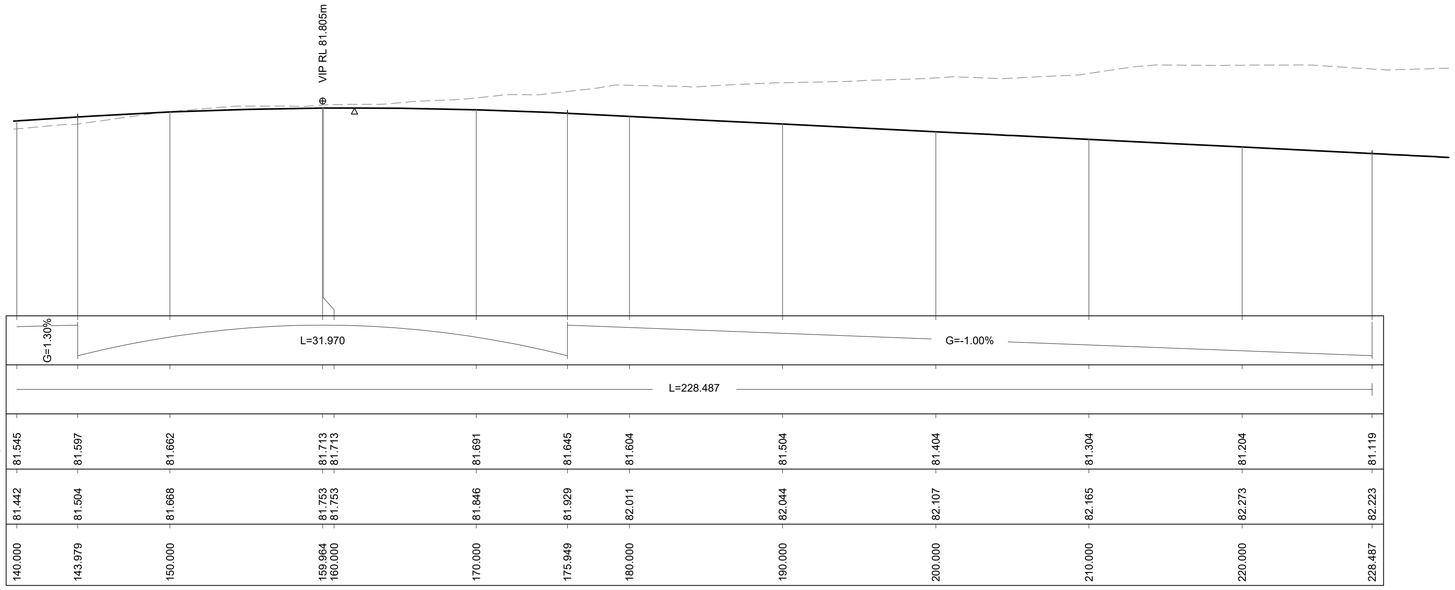
PROJECT NUMBER
60646285

SHEET TITLE
CONTROL
LONGITUDINAL SECTIONS
SHEET 01

SHEET NUMBER
60646285-SHT-00-1000-CI-0341

NOT FOR CONSTRUCTION

ISO A1 594mm x 841mm



LONGITUDINAL SECTION - MCB01

A1 VERTICAL SCALE 1:40
A1 HORIZONTAL SCALE 1:200

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CONSULTANT

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www.aecom.com

PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

SCALE BAR

0 5 10 m H=1:200
0 1 2 V=1:40

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
5	02.09.22	ISSUED FOR APPROVAL
4	29.04.22	ISSUED FOR TENDER
3	22.04.22	DRAFT TENDER COORDINATION
2	05.04.22	DRAFT TENDER COORDINATION
1	15.11.21	PRELIMINARY CONCEPT DESIGN

PROJECT NUMBER

60646285

SHEET TITLE

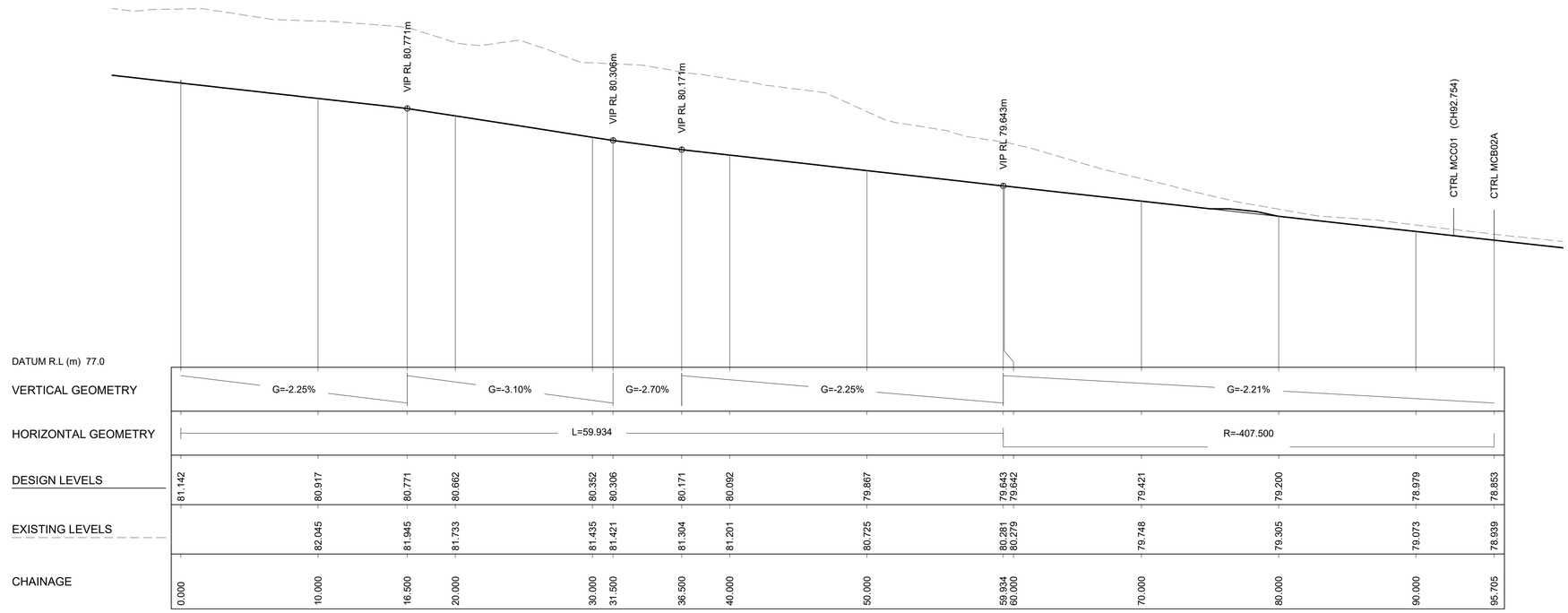
CONTROL
LONGITUDINAL SECTIONS
SHEET 02

SHEET NUMBER

60646285-SHT-00-1000-CI-0342

NOT FOR CONSTRUCTION

ISO A1 594mm x 841mm



LONGITUDINAL SECTION - MCB02

A1 VERTICAL SCALE 1:40
A1 HORIZONTAL SCALE 1:200

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PROJECT

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SCALE BAR

0 5 10 m H=1:200
0 1 2 V=1:40

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
5	02.09.22	ISSUED FOR APPROVAL
4	29.04.22	ISSUED FOR TENDER
3	22.04.22	DRAFT TENDER COORDINATION
2	05.04.22	DRAFT TENDER COORDINATION
1	15.11.21	PRELIMINARY CONCEPT DESIGN

PROJECT NUMBER

60646285

SHEET TITLE

CONTROL
LONGITUDINAL SECTIONS
SHEET 03

SHEET NUMBER

60646285-SHT-00-1000-CI-0343

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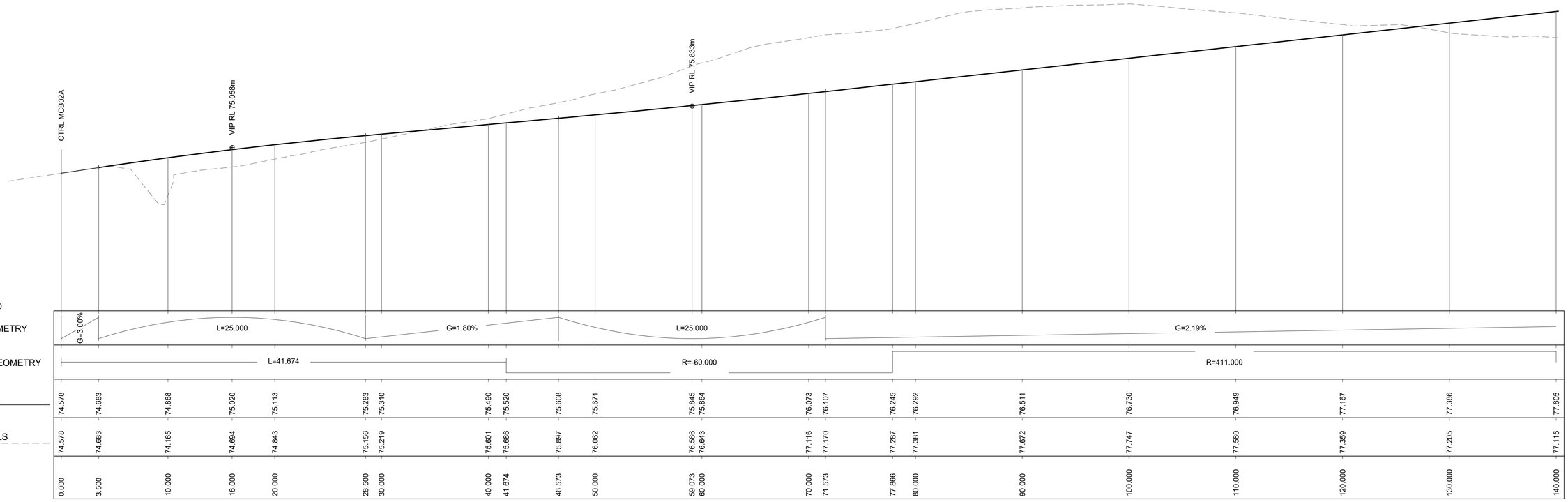
ISO A1 594mm x 841mm



LONGITUDINAL SECTION - MCB02A

A1 VERTICAL SCALE 1:40
A1 HORIZONTAL SCALE 1:200

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SCALE BAR
0 5 10 m H=1:200
0 1 2 V=1:40

SAFETY IN DESIGN INFORMATION
ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA57

ISSUE/REVISION

5	02.09.22	ISSUED FOR APPROVAL
4	29.04.22	ISSUED FOR TENDER
3	22.04.22	DRAFT TENDER COORDINATION
2	05.04.22	DRAFT TENDER COORDINATION
1	15.11.21	PRELIMINARY CONCEPT DESIGN
I/R	DATE	DESCRIPTION

PROJECT NUMBER
60646285

SHEET TITLE
CONTROL
LONGITUDINAL SECTIONS
SHEET 04

SHEET NUMBER
60646285-SHT-00-1000-CI-0344

NOT FOR CONSTRUCTION

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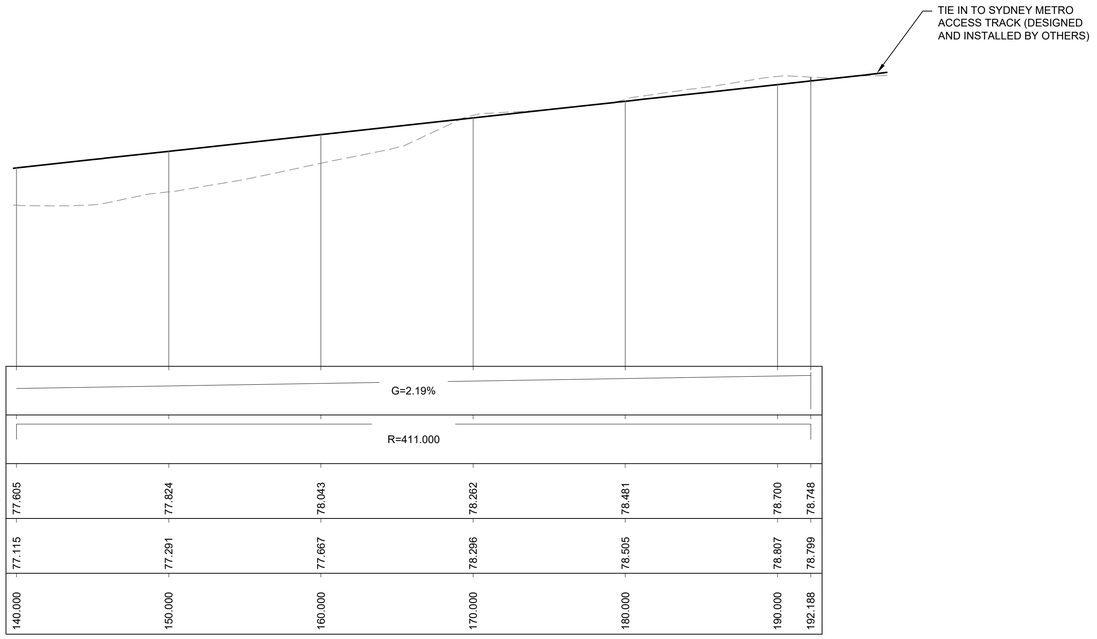
ISO A1 594mm x 841mm



LONGITUDINAL SECTION - MCB02A

A1 VERTICAL SCALE 1:40
A1 HORIZONTAL SCALE 1:200

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CLIENT

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SCALE BAR

0 5 10 m H=1:200
0 1 2 V=1:40

SAFETY IN DESIGN INFORMATION

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☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

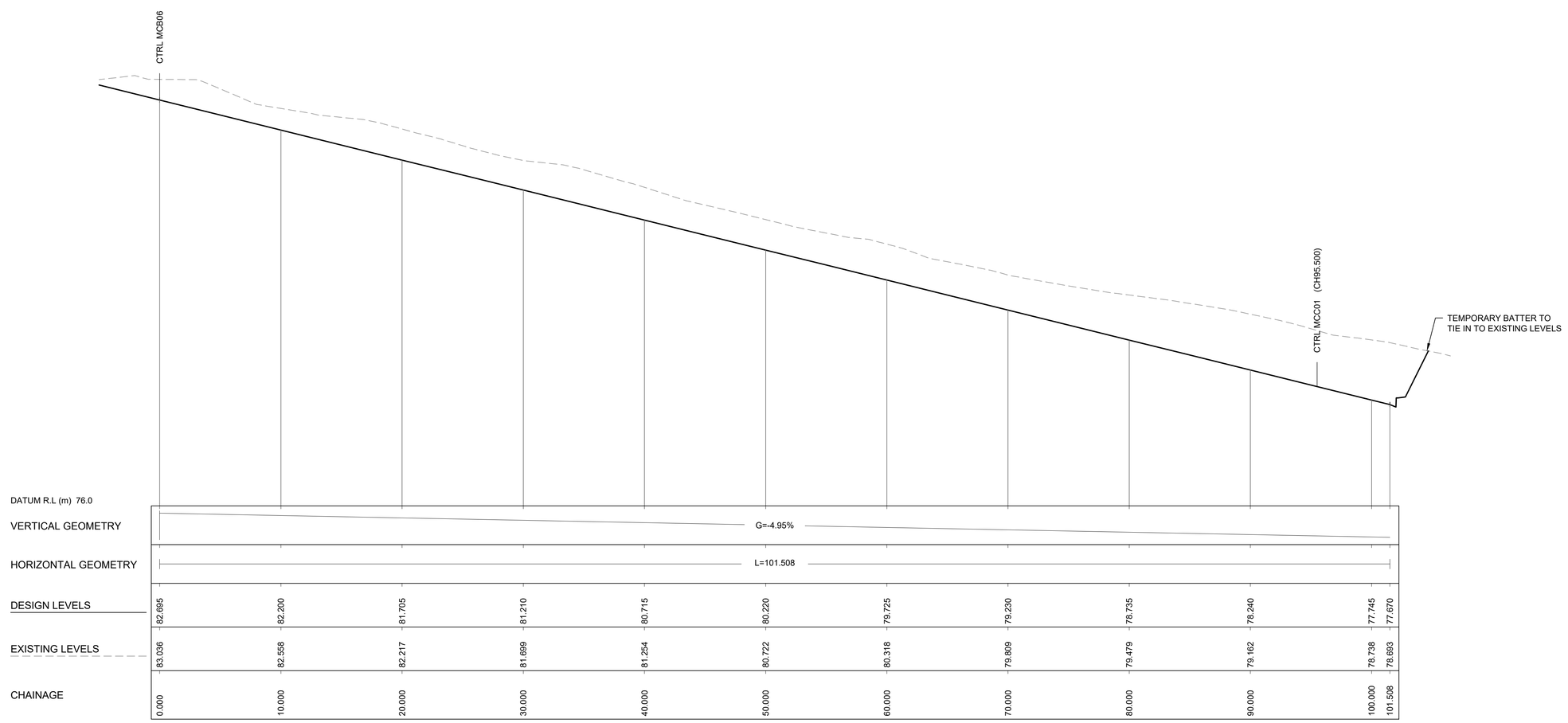
SHEET TITLE

CONTROL
LONGITUDINAL SECTIONS
SHEET 05

SHEET NUMBER

60646285-SHT-00-1000-CI-0345

ISO A1 594mm x 841mm



LONGITUDINAL SECTION - MCB03

A1 VERTICAL SCALE 1:40
A1 HORIZONTAL SCALE 1:200

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SCALE BAR

0 5 10 m H=1:200
0 1 2 V=1:40

SAFETY IN DESIGN INFORMATION

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☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

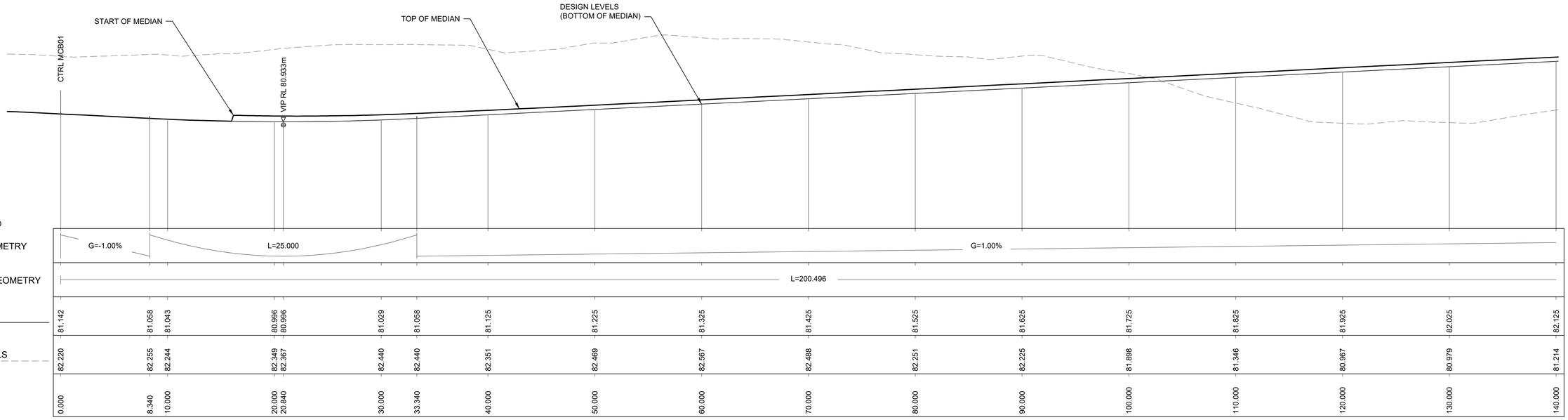
SHEET TITLE

CONTROL
LONGITUDINAL SECTIONS
SHEET 06

SHEET NUMBER

60646285-SHT-00-1000-CI-0346

ISO A1 594mm x 841mm



LONGITUDINAL SECTION - MCB06

A1 VERTICAL SCALE 1:40
A1 HORIZONTAL SCALE 1:200

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PROJECT

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SCALE BAR

0 5 10 m
0 1 2
H=1:200
V=1:40

SAFETY IN DESIGN INFORMATION

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☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION

PROJECT NUMBER

60646285

SHEET TITLE

CONTROL
LONGITUDINAL SECTIONS
SHEET 07

SHEET NUMBER

60646285-SHT-00-1000-CI-0347

NOT FOR CONSTRUCTION

ISO A1 594mm x 841mm

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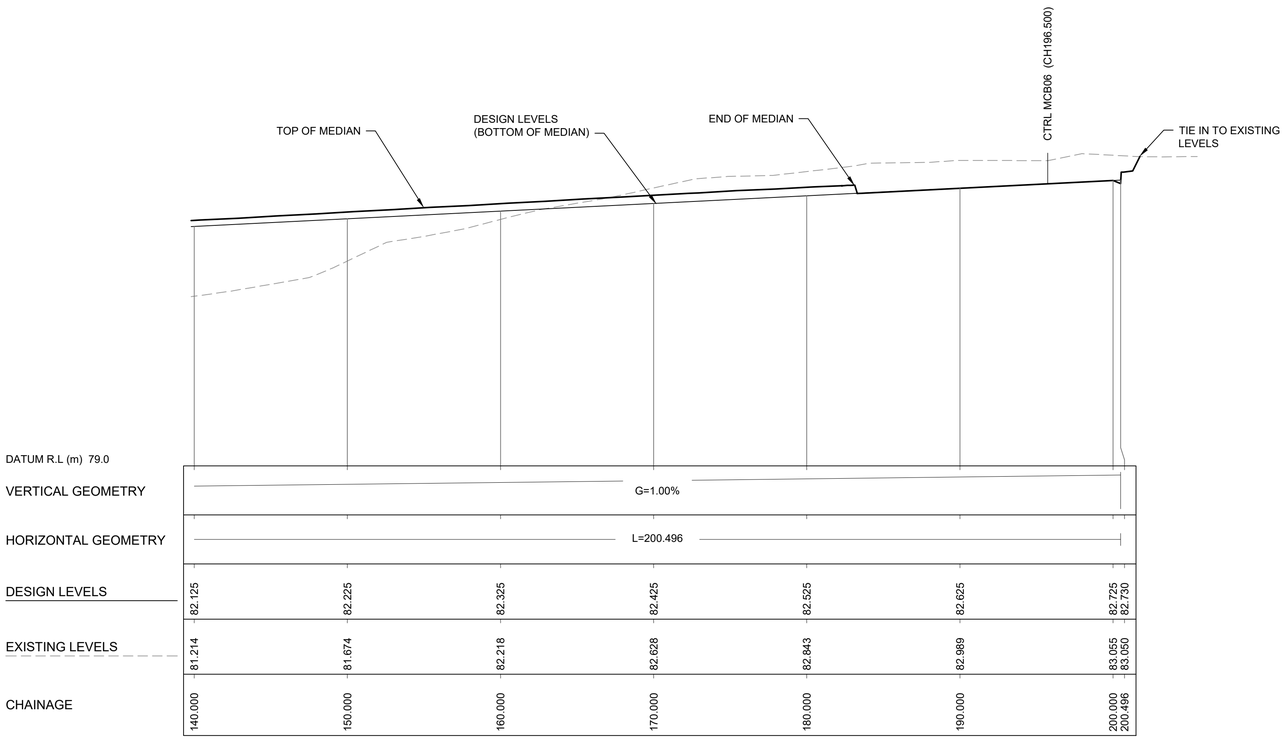

LONGITUDINAL SECTION - MCB06

A1 VERTICAL SCALE 1:40
A1 HORIZONTAL SCALE 1:200

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PROJECT

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CLIENT

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SCALE BAR

0 5 10 m H=1:200
0 1 2 V=1:40

SAFETY IN DESIGN INFORMATION

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☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION

PROJECT NUMBER

60646285

SHEET TITLE

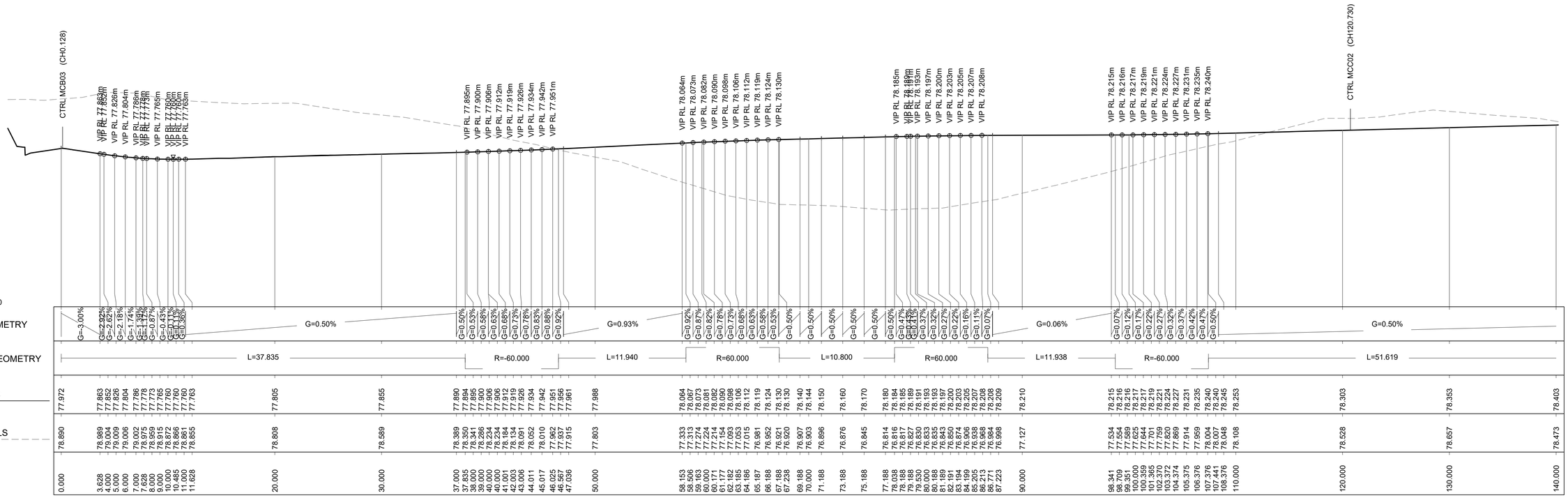
CONTROL
LONGITUDINAL SECTIONS
SHEET 08

SHEET NUMBER

60646285-SHT-00-1000-CI-0348

NOT FOR CONSTRUCTION

ISO A1 594mm x 841mm



LONGITUDINAL SECTION - MCC01

A1 VERTICAL SCALE 1:40
A1 HORIZONTAL SCALE 1:200

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PROJECT

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SCALE BAR

0 5 10 m
0 1 2
H=1:200
V=1:40

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
3	02.09.22	ISSUED FOR APPROVAL
2	29.04.22	ISSUED FOR TENDER
1	22.04.22	DRAFT TENDER COORDINATION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

SHEET TITLE

CONTROL
LONGITUDINAL SECTIONS
SHEET 09

SHEET NUMBER

60646285-SHT-00-1000-CI-0349

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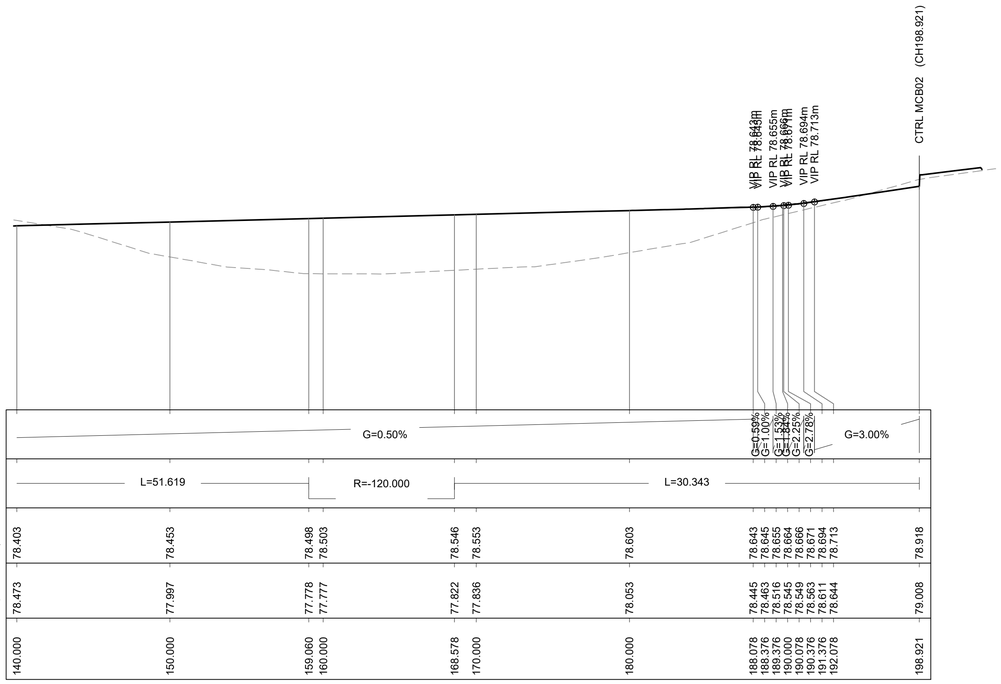
ISO A1 594mm x 841mm



LONGITUDINAL SECTION - MCC01

A1 VERTICAL SCALE 1:40
A1 HORIZONTAL SCALE 1:200

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PROJECT

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BRINGELLY

CLIENT

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SCALE BAR

0 5 10 m H=1:200
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SAFETY IN DESIGN INFORMATION

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☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

3	02.09.22	ISSUED FOR APPROVAL
2	29.04.22	ISSUED FOR TENDER
1	22.04.22	DRAFT TENDER COORDINATION
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60646285

SHEET TITLE

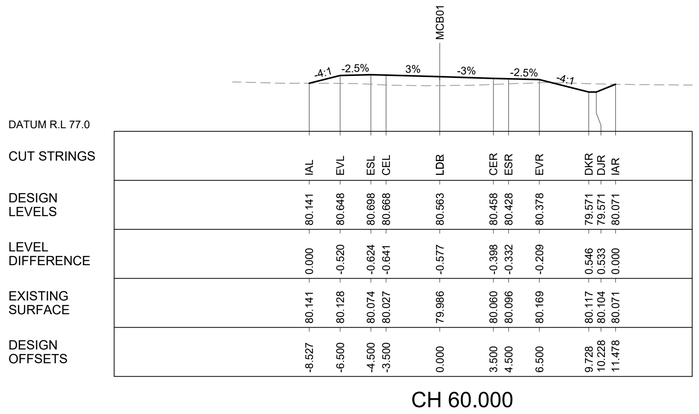
CONTROL
LONGITUDINAL SECTIONS
SHEET 10

SHEET NUMBER

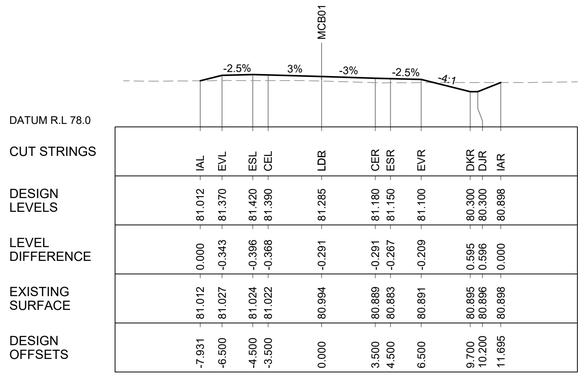
60646285-SHT-00-1000-CI-0350

NOT FOR CONSTRUCTION

ISO A1 594mm x 841mm



CH 60.000



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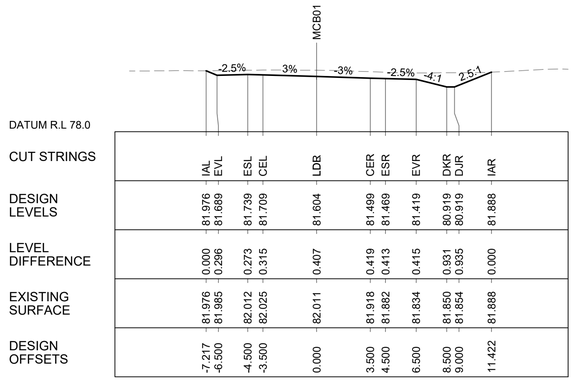

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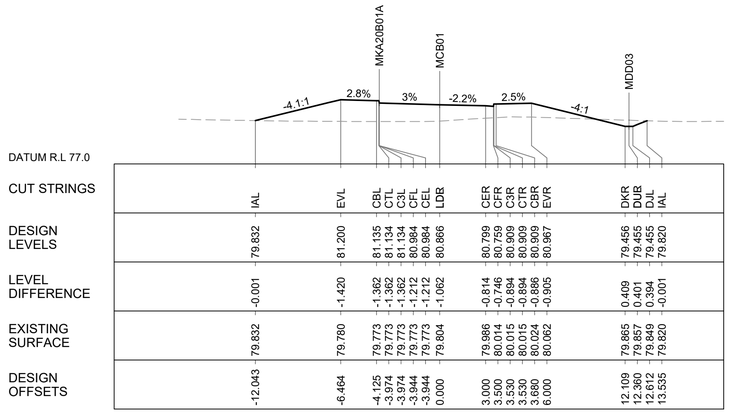

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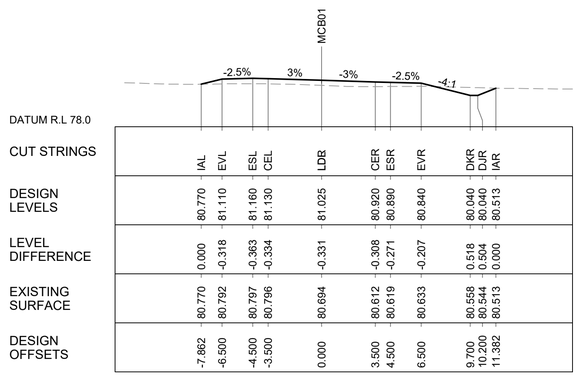

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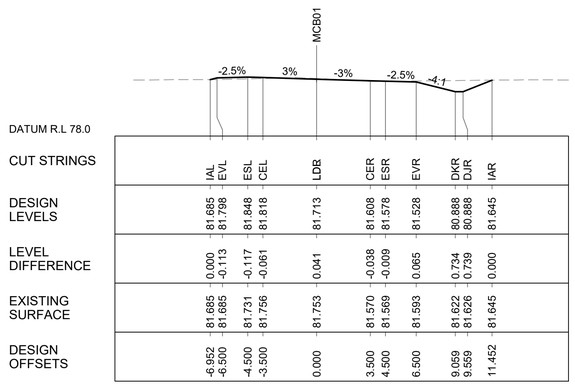

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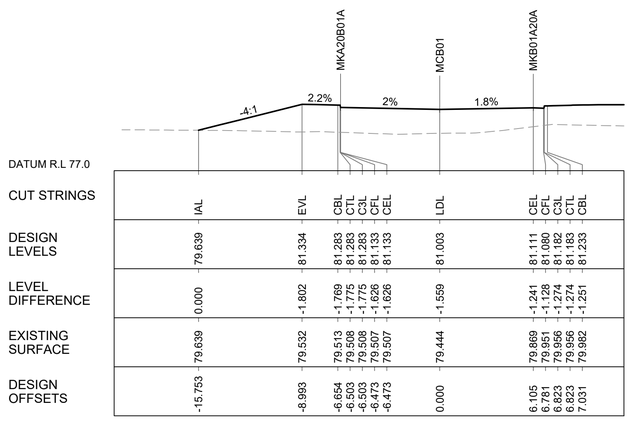

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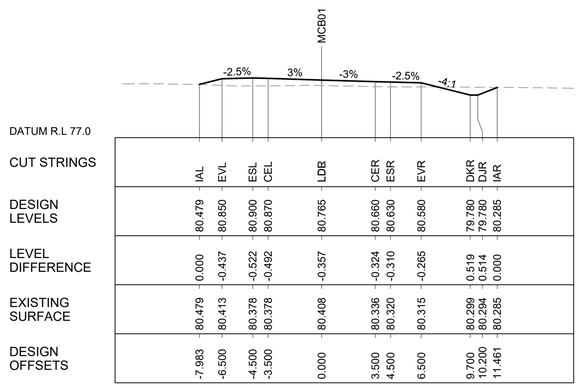

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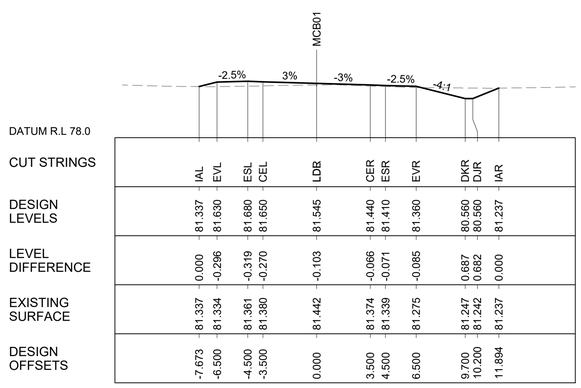

CH 140.000

CROSS SECTION - MCB01

A1 HORIZONTAL SCALE 1:200

A1 VERTICAL SCALE 1:200

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CONSULTANT

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PROJECT

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SCALE BAR

0 5 10 m H=1:200 V=1:200

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION
I/R	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

SHEET TITLE

CONTROL
CROSS SECTIONS
SHEET 01

SHEET NUMBER

60646285-SHT-00-1000-CI-0371

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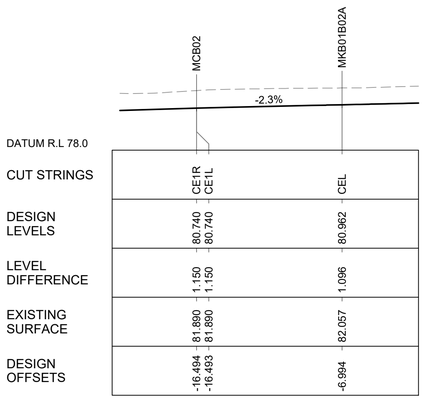
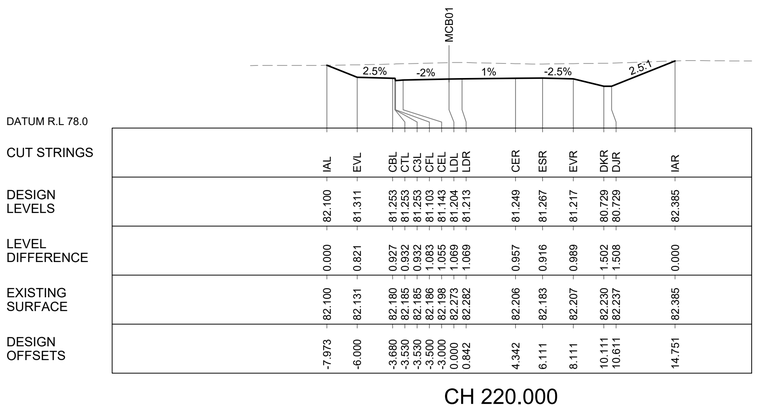
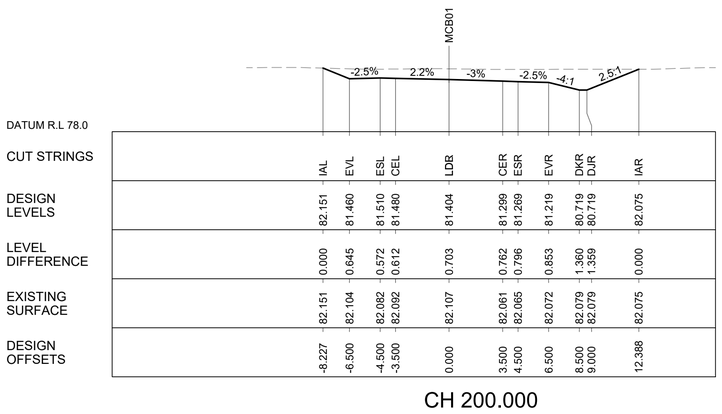


CH 228.487



CH 220.000



CH 200.000

CROSS SECTION - MCB01

A1 HORIZONTAL SCALE 1:200

A1 VERTICAL SCALE 1:200

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 AECOM quality assurance system to ISO 9001-2000.

CONSULTANT

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

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

SCALE BAR

0 5 10 m H=1:200 V=1:200

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION

PROJECT NUMBER

60646285

SHEET TITLE

CONTROL
CROSS SECTIONS
SHEET 02

SHEET NUMBER

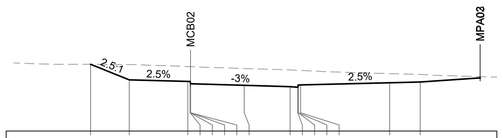
60646285-SHT-00-1000-CI-0372

NOT FOR CONSTRUCTION

ISO A1 594mm x 841mm

Last saved by: SHION.WATAKABE@AECOM.COM Last Plotted: 2022-04-29
Filename: C:\PWWORKING\AECOM_DS10_AU\MAR.IORIE.CALDA@AECOM.COM\D031272360646285-SHT-00-1000-CI-0372.DWG

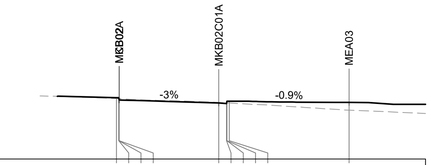
ISO A1 594mm x 841mm



DATUM R.L 77.0

	IAL	EVL	CB1L	CT1L	C31L	CF1L	CE1L	L8R	CE2R	CF2R	C32R	CT2R	CB2R	E8R	E9R
CUT STRINGS															
DESIGN LEVELS	81.352	80.337	80.242	80.242	80.242	80.092	80.092	79.987	79.897	79.897	80.007	80.007	80.007	80.152	80.202
LEVEL DIFFERENCE	0.000	1.004	0.966	0.960	0.960	1.109	1.109	1.097	1.086	1.154	0.953	0.953	0.946	0.597	0.492
EXISTING SURFACE	81.352	81.342	81.208	81.202	81.202	81.201	81.201	81.084	80.983	80.961	80.960	80.960	80.953	80.750	80.695
DESIGN OFFSETS	-6.536	-4.000	-0.180	-0.030	-0.030	0.000	0.000	3.500	6.500	7.000	7.030	7.030	7.180	13.000	15.000

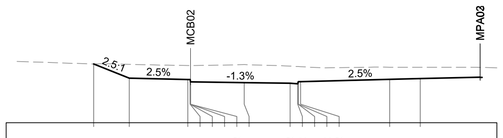
CH 40.000



DATUM R.L 75.0

	CBL	CTL	C3L	CFL	CEL	CFL	C3L	C1L	CBL	EVL
CUT STRINGS										
DESIGN LEVELS	79.003	79.003	79.003	78.853	78.658	78.618	78.768	78.768	78.768	78.691
LEVEL DIFFERENCE	-0.056	-0.052	-0.052	0.086	0.029	0.044	-0.107	-0.107	-0.115	-0.516
EXISTING SURFACE	78.947	78.941	78.941	78.939	78.687	78.663	78.661	78.661	78.653	78.182
DESIGN OFFSETS	-0.180	-0.030	-0.030	0.000	6.500	7.000	7.030	7.030	7.180	15.000

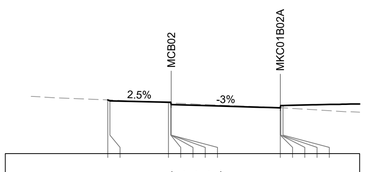
CH 95.705



DATUM R.L 78.0

	IAL	EVL	CB1L	CT1L	C31L	CF1L	CE1L	L8R	CE2R	CF2R	C32R	CT2R	CB2R	E8R	E9R
CUT STRINGS															
DESIGN LEVELS	81.838	80.908	80.812	80.812	80.812	80.662	80.662	80.615	80.574	80.574	80.684	80.684	80.684	80.830	80.880
LEVEL DIFFERENCE	0.000	0.901	0.923	0.921	0.921	1.070	1.070	1.175	1.119	1.132	0.981	0.981	0.973	0.794	0.743
EXISTING SURFACE	81.838	81.809	81.735	81.733	81.733	81.733	81.733	81.790	81.693	81.687	81.665	81.665	81.657	81.624	81.623
DESIGN OFFSETS	-6.327	-4.000	-0.180	-0.030	-0.030	0.000	0.000	3.500	6.500	7.000	7.030	7.030	7.180	13.000	15.000

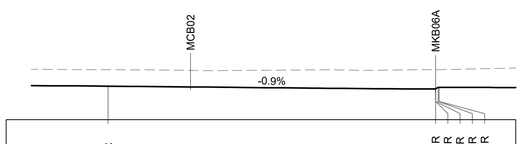
CH 20.000



DATUM R.L 76.0

	IAL	EVL	CB1L	CT1L	C3L	CF1L	CE1L	CEL	CFL	C3L	C1L	CBL
CUT STRINGS												
DESIGN LEVELS	79.503	79.446	79.350	79.350	79.350	79.200	79.200	78.987	78.987	79.131	79.131	79.136
LEVEL DIFFERENCE	0.000	0.052	-0.036	-0.044	-0.044	0.105	0.105	0.004	0.004	-0.147	-0.147	-0.155
EXISTING SURFACE	79.503	79.497	79.314	79.306	79.306	79.305	79.305	78.991	78.991	78.989	78.989	78.981
DESIGN OFFSETS	-4.144	-4.000	-0.180	-0.030	-0.030	0.000	0.000	7.115	7.115	7.145	7.145	7.297

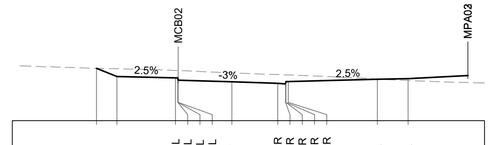
CH 80.000



DATUM R.L 79.0

	LDR	CE1R	CF1R	C31R	CT1R	CB1R
CUT STRINGS						
DESIGN LEVELS	81.191	81.007	81.007	81.017	81.117	81.117
LEVEL DIFFERENCE	1.073	1.261	1.261	1.251	1.150	1.150
EXISTING SURFACE	82.264	82.267	82.267	82.267	82.267	82.267
DESIGN OFFSETS	-5.392	16.000	16.000	16.003	16.163	16.233

CH 0.000



DATUM R.L 77.0

	IAL	EVL	CB1L	CT1L	C31L	CF1L	L8R	CE2R	CF2R	C32R	CT2R	CB2R	E8R	E9R
CUT STRINGS														
DESIGN LEVELS	80.422	79.887	79.792	79.792	79.792	79.642	79.537	79.447	79.407	79.557	79.557	79.557	79.702	79.752
LEVEL DIFFERENCE	0.000	0.505	0.494	0.489	0.489	0.637	0.580	0.563	0.584	0.433	0.433	0.427	0.015	-0.124
EXISTING SURFACE	80.422	80.393	80.286	80.280	80.280	80.279	80.117	80.010	79.991	79.990	79.990	79.984	79.717	79.628
DESIGN OFFSETS	-5.337	-4.000	-0.180	-0.030	-0.030	0.000	3.500	6.500	7.000	7.030	7.030	7.180	13.000	15.000

CH 60.000

CROSS SECTION - MCB02

A1 HORIZONTAL SCALE 1:200

A1 VERTICAL SCALE 1:200

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CONSULTANT

AECOM Australia Pty Ltd
A.B.N 20 093 846 925
www.aecom.com

PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

SCALE BAR

0 5 10 m H=1:200 V=1:200

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION
I/R	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

SHEET TITLE

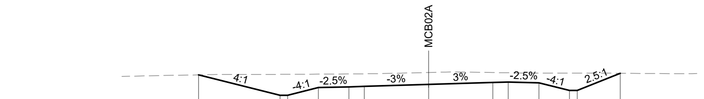
CONTROL
CROSS SECTIONS
SHEET 03

SHEET NUMBER

60646285-SHT-00-1000-CI-0373

Last saved by: SHION.WATAKABE(2022-04-29) Last Plotted: 2022-04-29
Filename: C:\PWWORKING\AECOM_DS10_AU\MAR.JORIE.CALDA@AECOM.COM\D031272360646285-SHT-00-1000-CI-0373.DWG

ISO A1 594mm x 841mm



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ISO A1 594mm x 841mm

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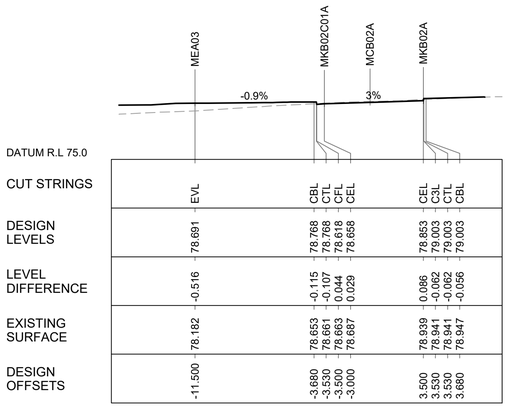


CH 192.188

CROSS SECTION - MCB02A

A1 HORIZONTAL SCALE 1:200

A1 VERTICAL SCALE 1:200

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 AECOM quality assurance system to ISO 9001-2000.

AECOM

CONSULTANT

AECOM Australia Pty Ltd
A.B.N 20 093 846 925
www.aecom.com

PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

SCALE BAR

0 5 10 m H=1:200 V=1:200

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION
I/R	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

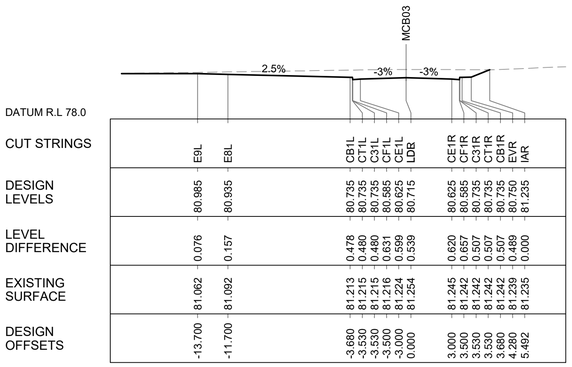
SHEET TITLE

CONTROL
CROSS SECTIONS
SHEET 05

SHEET NUMBER

60646285-SHT-00-1000-CI-0375

ISO A1 594mm x 841mm



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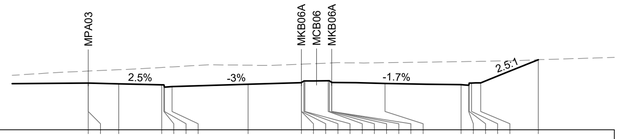
ISO A1 594mm x 841mm



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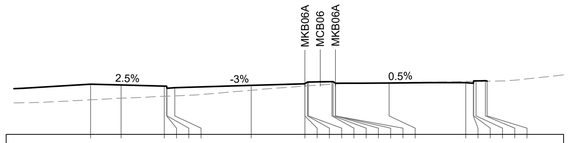
ISO A1 594mm x 841mm



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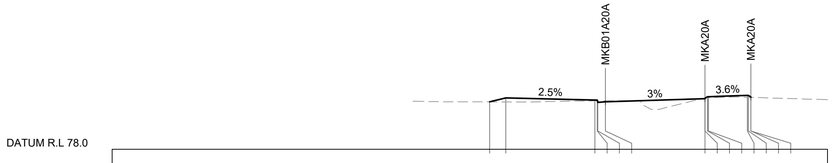
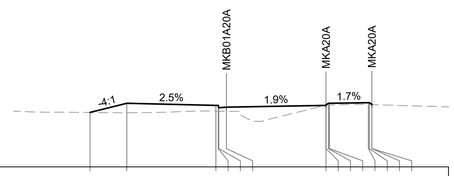
ISO A1 594mm x 841mm



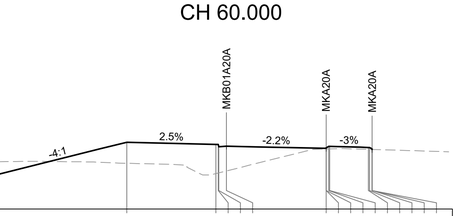
		IAL	EVL		CBL	CTL	C3L	CFL	CEER		CEL	C3L	CTL	CBL	CBL	CTL	C3L	CFL
DATUM R.L 78.0																		
CUT STRINGS																		
DESIGN LEVELS		81.096	81.360		81.215	81.215	81.065	81.105			81.300	81.430	81.430	81.430	81.520	81.520	81.420	81.390
LEVEL DIFFERENCE		0.000	-0.270		-0.054	-0.053	0.097	0.061			0.061	0.031	-0.064	-0.062	-0.122	-0.124	-0.029	0.001
EXISTING SURFACE		81.096	81.090		81.160	81.162	81.162	81.166			81.361	81.461	81.366	81.368	81.398	81.396	81.391	81.391
DESIGN OFFSETS		-7.557	-6.500		-0.680	-0.530	-0.500	0.000			6.500	6.503	6.663	6.733	9.267	9.337	9.497	9.500

CH 80.000



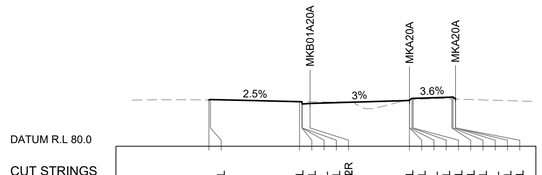
		IAL	EVL		CBL	CTL	C3L	CFL	CEER		CEL	C3L	CTL	CBL	CBL	CTL	C3L	CFL
DATUM R.L 77.0																		
CUT STRINGS																		
DESIGN LEVELS		80.553	81.154		81.009	81.009	80.859	80.899			81.019	81.049	81.149	81.149	81.193	81.193	81.093	81.063
LEVEL DIFFERENCE		0.000	-0.618		-0.375	-0.377	-0.227	-0.274			0.015	-0.015	-0.115	-0.108	-0.122	-0.124	-0.029	0.001
EXISTING SURFACE		80.553	80.537		80.634	80.632	80.632	80.625			81.034	81.034	81.034	81.041	81.071	81.069	81.064	81.064
DESIGN OFFSETS		-8.907	-6.500		-0.680	-0.530	-0.500	0.000			6.500	6.503	6.663	6.733	9.267	9.337	9.497	9.500

CH 60.000



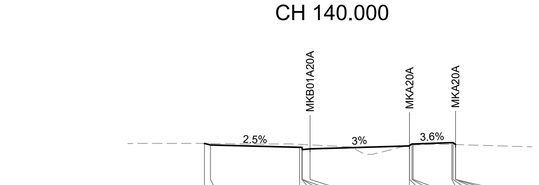
		IAR	EHR		EHR		EVL		CBL	CTL	C3L	CFL	CEER		CEL	C3L	CTL	CBL	CBL	CTL	C3L	CFL	CEL
DATUM R.L 77.0																							
CUT STRINGS																							
DESIGN LEVELS		80.081	79.246		79.163		81.360		81.214	81.214	81.064	81.064	81.104		80.963	80.963	80.963	81.093	81.093	81.017	81.017	80.916	80.887
LEVEL DIFFERENCE		0.009	0.823		0.916		-1.376		-1.901	-1.863	-1.706	-1.706	-1.621		-0.051	-0.051	-0.051	-0.174	-0.174	-0.123	-0.123	-0.030	0.000
EXISTING SURFACE		80.090	80.069		80.079		79.983		79.313	79.351	79.388	79.388	79.483		80.912	80.912	80.912	80.919	80.919	80.894	80.892	80.887	80.887
DESIGN OFFSETS		-26.701	-23.364		-15.318		-6.500		-0.680	-0.530	-0.500	-0.500	0.000		6.513	6.516	6.663	6.676	6.746	9.276	9.346	9.506	9.509

CH 40.000



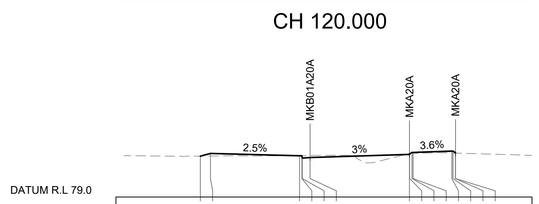
		IAL	EVL		CBL	CTL	C3L	CFL	CEER		CEL	C3L	CTL	CBL	CBL	CTL	C3L	CFL
DATUM R.L 80.0																		
CUT STRINGS																		
DESIGN LEVELS		83.024	83.051		82.905	82.905	82.905	82.755	82.795		82.990	82.990	83.020	83.120	83.210	83.210	83.110	83.080
LEVEL DIFFERENCE		0.000	-0.027		0.022	0.018	0.018	0.167	0.114		0.060	0.060	0.030	-0.065	-0.123	-0.125	-0.030	-0.000
EXISTING SURFACE		83.024	83.024		82.927	82.923	82.923	82.923	82.909		83.050	83.050	83.050	83.057	83.087	83.085	83.080	83.080
DESIGN OFFSETS		-6.605	-6.500		-0.680	-0.530	-0.530	-0.500	0.000		6.500	6.500	6.503	6.663	9.267	9.337	9.497	9.500

CH 140.000



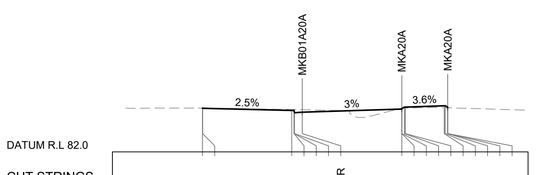
		IAL	EVL		CBL	CTL	C3L	CFL	CEER		CEL	C3L	CTL	CBL	CBL	CTL	C3L	CFL
DATUM R.L 79.0																		
CUT STRINGS																		
DESIGN LEVELS		82.541	82.442		82.297	82.297	82.297	82.147	82.167		82.387	82.412	82.512	82.612	82.601	82.501	82.472	
LEVEL DIFFERENCE		0.000	0.096		0.190	0.182	0.182	0.331	0.286		0.060	0.030	-0.065	-0.063	-0.125	-0.030	-0.000	-0.000
EXISTING SURFACE		82.541	82.538		82.486	82.479	82.479	82.477	82.453		82.442	82.442	82.447	82.449	82.476	82.471	82.471	82.471
DESIGN OFFSETS		-6.895	-6.500		-0.680	-0.530	-0.530	-0.500	0.000		6.500	6.503	6.663	6.733	9.337	9.497	9.500	9.500

CH 120.000



		IAL	EVL		CBL	CTL	C3L	CFL	CEER		CEL	C3L	CTL	CBL	CBL	CTL	C3L	CFL
DATUM R.L 79.0																		
CUT STRINGS																		
DESIGN LEVELS		81.672	81.838		81.693	81.693	81.543	81.583			81.778	81.808	81.908	81.908	81.988	81.898	81.998	81.868
LEVEL DIFFERENCE		0.000	-0.159		0.013	0.014	0.164	0.129			0.061	0.031	-0.064	-0.062	-0.122	-0.124	-0.029	0.001
EXISTING SURFACE		81.672	81.679		81.705	81.707	81.707	81.711			81.839	81.839	81.844	81.846	81.866	81.874	81.869	81.869
DESIGN OFFSETS		-7.164	-6.500		-0.680	-0.530	-0.500	0.000			6.500	6.503	6.663	6.733	9.267	9.337	9.497	9.500

CH 100.000



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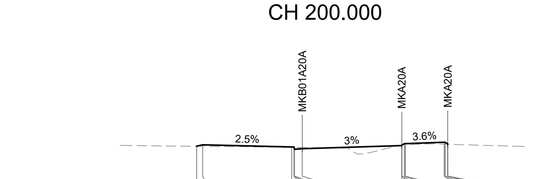
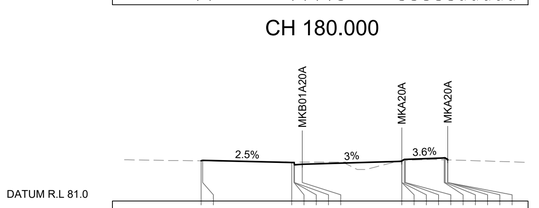
DATUM R.L 82.0																		
CUT STRINGS																		
DESIGN LEVELS		84.858	84.855		84.709	84.709	84.709	84.559	84.599		84.794	84.794	84.824	84.924	85.014	85.014	84.914	84.884
LEVEL DIFFERENCE		0.000	0.003		0.063	0.059	0.059	0.208	0.156		0.058	0.058	0.029	-0.065	-0.125	-0.127	-0.031	-0.002
EXISTING SURFACE		84.858	84.858		84.772	84.769	84.769	84.768	84.756		84.853	84.853	84.853	84.859	84.890	84.888	84.883	84.883
DESIGN OFFSETS		-8.512	-6.500		-0.680	-0.530	-0.530	-0.500	0.000		6.500	6.500	6.503	6.663	6.733	9.267	9.337	9.497

CH 200.000



		IAL	EVL		CBL	CTL	C3L	CFL	CEER		CEL	C3L	CTL	CBL	CBL	CTL	C3L	CFL
DATUM R.L 81.0																		
CUT STRINGS																		
DESIGN LEVELS		84.158	84.256		84.110	84.110	84.110	83.960	84.000		84.195	84.195	84.225	84.325	84.415	84.415	84.315	84.285
LEVEL DIFFERENCE		0.000	-0.100		-0.030	-0.033	-0.033	0.117	0.070		0.060	0.060	0.030	-0.063	-0.123	-0.125	-0.030	-0.000
EXISTING SURFACE		84.158	84.156		84.080	84.078	84.078	84.077	84.070		84.255	84.255	84.255	84.262	84.292	84.290	84.285	84.285
DESIGN OFFSETS		-6.892	-6.500		-0.680	-0.530	-0.530	-0.500	0.000		6.500	6.500	6.503	6.733	9.267	9.337	9.497	9.500

CH 180.000



		IAL	EVL		CBL	CTL	C3L	CFL	CEER		CEL	C3L	CTL	CBL	CBL	CTL	C3L	CFL
DATUM R.L 81.0																		
CUT STRINGS																		
DESIGN LEVELS		83.626	83.653		83.508	83.508	83.508	83.358	83.398		83.593	83.593	83.623	83.723	83.813	83.813	83.713	83.683
LEVEL DIFFERENCE		0.000	-0.028		0.037	0.037	0.037	0.187	0.146		0.060	0.060	0.030	-0.065	-0.123	-0.125	-0.030	-0.000
EXISTING SURFACE		83.626	83.625		83.545	83.545	83.545	83.545	83.544		83.653	83.653	83.653	83.658	83.690	83.688	83.683	83.683
DESIGN OFFSETS		-6.608	-6.500		-0.680	-0.530	-0.530	-0.500	0.000		6.500	6.500	6.503	6.663	6.733	9.267	9.337	9.497

CH 160.000

CROSS SECTION - MKB01A20A

A1 HORIZONTAL SCALE 1:200

A1 VERTICAL SCALE 1:200

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 AECOM quality assurance system to ISO 9001-2000.

AECOM

CONSULTANT

AECOM Australia Pty Ltd
A.B.N 20 093 846 925
www.aecom.com

PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

SCALE BAR

0 5 10 m
0 5 10
H=1:200
V=1:200

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60646285

SHEET TITLE

CONTROL
CROSS SECTIONS
SHEET 09

SHEET NUMBER

60646285-SHT-00-1000-CI-0379

NOT FOR CONSTRUCTION

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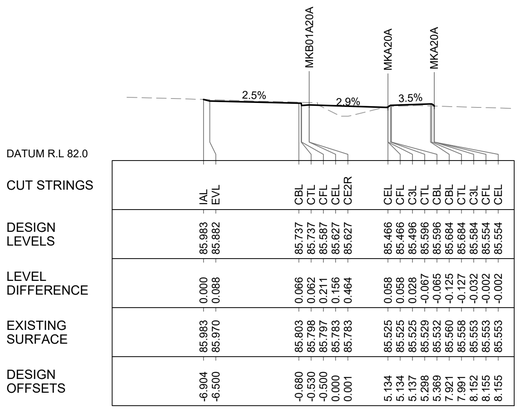
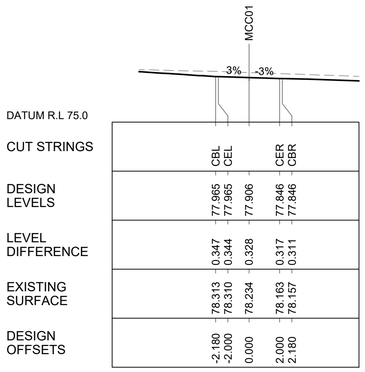
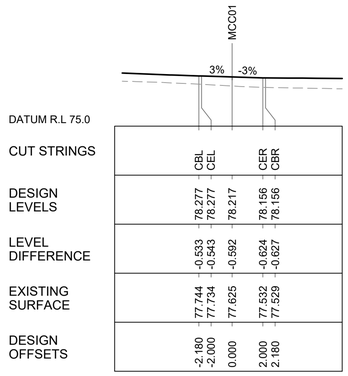

MKB01A20A
MKA20A
MKA20A
2.5%
2.9%
3.5%

| | | |

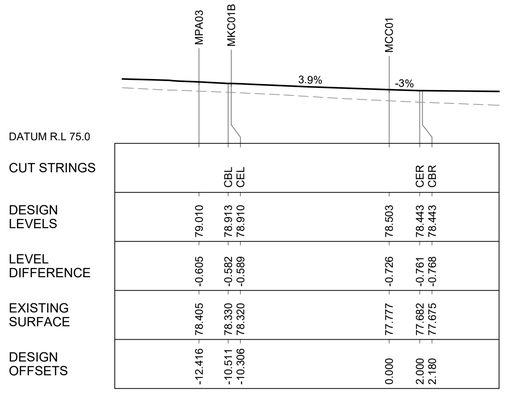
ISO A1 594mm x 841mm



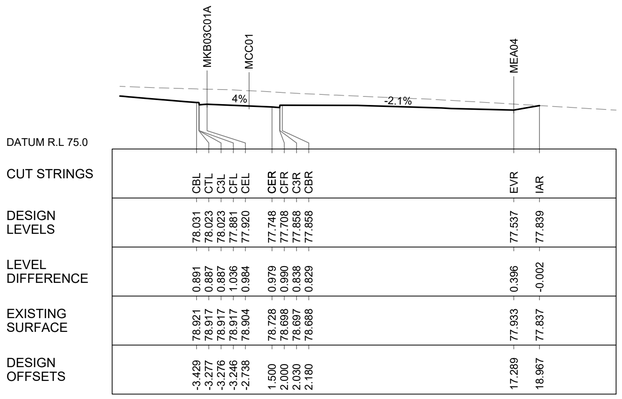
CH 40.000



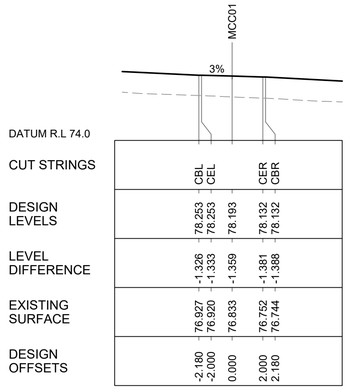
CH 100.000



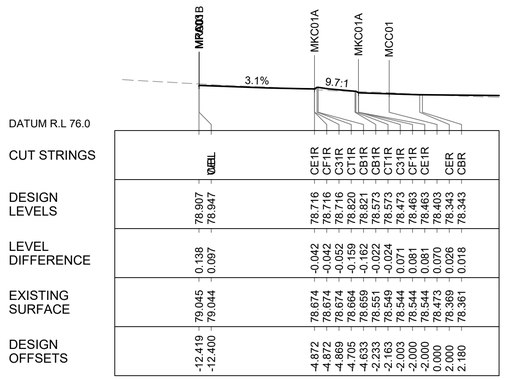
CH 160.000



CH 20.000



CH 80.000



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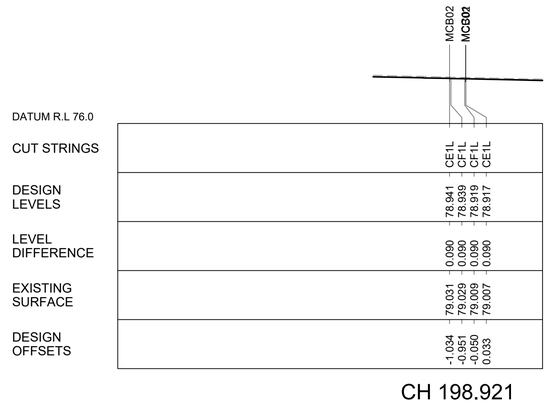
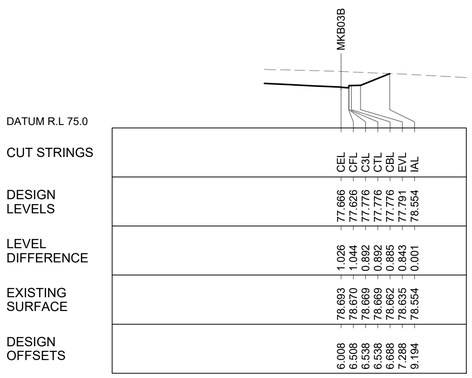
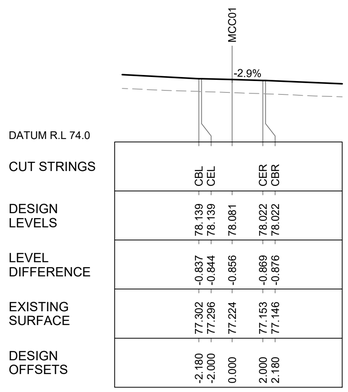


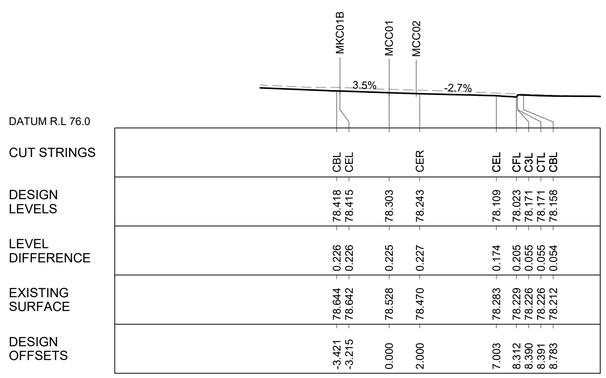
CH 198.921



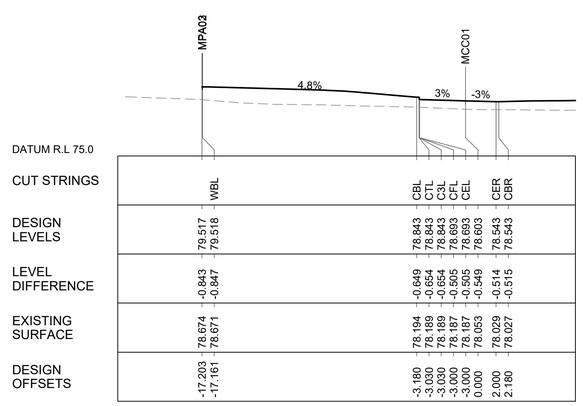
CH 0.000



CH 60.000



CH 120.000



CH 180.000

CROSS SECTION - MCC01

A1 HORIZONTAL SCALE 1:200

A1 VERTICAL SCALE 1:200

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CONSULTANT

AECOM Australia Pty Ltd
A.B.N 20 093 846 925
www.aecom.com

PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

SCALE BAR

0 5 10 m H=1:200 V=1:200
0 5 10

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
3	02.09.22	ISSUED FOR APPROVAL
2	29.04.22	ISSUED FOR TENDER
1	22.04.22	DRAFT TENDER COORDINATION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

SHEET TITLE

CONTROL
CROSS SECTIONS
SHEET 11

SHEET NUMBER

60646285-SHT-00-1000-CI-0381

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Filename: C:\PWWORKING\AECOM_DS10_AU\MARJORIE.CALDA@AECOM.COM\D0312723\60646285-SHT-00-1000-CI-0381.DWG

ISO A1 594mm x 841mm

NEW LOW VOLTAGE CONNECTION FOR PROPOSED STREET LIGHTING, SUBJECT TO ENDEAVOUR ENERGY APPROVAL.

NEW POTABLE WATER CONNECTION INTO PROPOSED EXTENSION OF WATER MAIN BY SYDNEY WATER (UNDER CN188803PW). REFER SYDNEY WATER CN197788 FOR DETAILS.

ESTABLISH UGOH TRANSITION AT EXISTING EE POLE 729868. REFER TO ENDEAVOUR ENERGY UCL11122 FOR DETAILS.

5 CONTRACTOR TO COORDINATE WITH WPCA TO FILE CONNECTION APPLICATION FOR COMMUNICATIONS CONNECTION.

REMOVE OVERHEAD ELEC BETWEEN POLES 729868 & 599137. REFER TO ENDEAVOUR ENERGY UCL11122 FOR DETAILS.

BADGERYS CREEK ROAD (RR 7260)

ESTABLISH UGOH TRANSITION AT EXISTING EE POLE 599137. REFER TO ENDEAVOUR ENERGY UCL11122 FOR DETAILS.

NEW 150mm RECYCLED WATER MAIN TO CONNECTION TO NEW POTABLE WATER MAIN. REFER SYDNEY WATER CN197788 FOR DETAILS

GATE VALVE AND CAP AT END FOR FUTURE EXTENSION OF RECYCLED AND POTABLE WATER MAINS

ENDEAVOUR ENERGY PADMOUNT SUBSTATION WITHIN FIRST BUILDING. REFER TO ENDEAVOUR ENERGY UCL11122 FOR DETAILS.

60m MIC SEPP CORRIDOR

UNDERGROUND HIGH VOLTAGE CONDUITS TO NEW SUBSTATION. REFER TO ENDEAVOUR ENERGY DRAWINGS UCL11122 FOR DETAILS.

5 Ø450mm FRP OR STAINLESS STEEL PIPE FOR FUTURE HYDROGEN GAS DISTRIBUTION. SEE NOTE 4.

4X100MM EMPTY CONDUITS FOR FUTURE USE. PROVIDE MARKER TAPE AT ENDS AND YELLOW PULL STRING THROUGH EACH CONDUIT.

5 BUILDING CONNECTION FOR COMMUNICATION CONDUITS, FIRE WATER, RECYCLED WATER AND 50mm POTABLE WATER. REFER TO BUILDING HYDRAULIC PLANS BY ARUP FOR CONTINUATION.

LOW VOLTAGE ELECTRICAL CONDUITS TO SEWER IOP. REFER TO BUILDING ELECTRICAL PLANS BY ARUP FOR CONTINUATION.

SEWER INTERIM OPERATING PROCEDURE (IOP) SYSTEM WITH TRUCKED PUMP-OUT ACCESS. REFER TO 60646285-SHT-00-1000-CI-0612 AND SYDNEY WATER CN197788 FOR DETAILS.

5 4X100MM EMPTY CONDUITS FOR FUTURE USE. PROVIDE MARKER TAPE AT ENDS AND YELLOW PULL STRING THROUGH EACH CONDUIT.

5 4X100MM EMPTY CONDUITS FOR FUTURE USE. PROVIDE MARKER TAPE AT ENDS AND YELLOW PULL STRING THROUGH EACH CONDUIT.

SEDIMENT BASIN

WSUD BASIN

OSD BASIN

LEGEND

- EXTENT OF WORKS
- COMM — PROPOSED COMMS
- PROPOSED DRAINAGE
- E — PROPOSED ELECTRICAL
- HV — PROPOSED ELECTRICAL (HV)
- LV — PROPOSED ELECTRICAL (LV)
- RW — PROPOSED WATER (RECYCLED)
- S — PROPOSED SEWER
- W — PROPOSED WATER (POTABLE)
- SUBSOIL DRAINAGE - DESIGN BY OTHERS
- LV — ELECTRICAL (LV) - DESIGN BY OTHERS
- ELECTRICAL PIT - DESIGN BY OTHERS
- PROPOSED DRAINAGE PITS
- COMM (D) — EXISTING COMMS
- S (D) — EXISTING SEWER
- EXISTING DRAINAGE
- W (D) — EXISTING WATER
- E (D) — EXISTING ELECTRICAL
- EXISTING DRAINAGE PITS
- PROPOSED UTILITIES INSTALLED FOR SYDNEY METRO ACCESS TRACK PROJECT BY OTHERS
- METRO LEASE AREA

NOTES

1. FOR GENERAL NOTES REFER TO DRAWING SERIES 1000-CI-0005.
2. EXISTING AND NEW UTILITIES SHOWN INDICATIVELY FOR INFORMATION ONLY. REFER TO APPROVED SERVICE AUTHORITY DRAWINGS FOR DETAILED DESIGN OF SERVICES.
3. PIPE AND CONDUIT DIMENSIONS SHOWN ARE TO INSIDE DIAMETER.
4. FIBRE-REINFORCED POLYMER (FRP) OR STAINLESS STEEL PIPE SHALL IN ACCORDANCE WITH ASME B31.12. INSTALL PIPING UNDER ROADWAY AND EXTEND TO MINIMUM 1m PAST EDGE OF PAVEMENT; CAP AT ENDS AND PROVIDE MARKER TAPE FROM CAP TO SURFACE.

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AECOM

CONSULTANT

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www.aecom.com

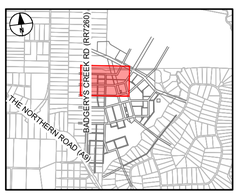
PROJECT

AEROTROPOLIS CORE PRECINCT BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN



SCALE BAR

0 25 50 m
1:1000

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

6	02.09.2022	TENDER ADDENDUM #1
5	19.05.2022	TENDER ADDENDUM #1
4	29.04.22	ISSUED FOR TENDER
3	22.04.22	DRAFT TENDER COORDINATION
2	05.04.22	DRAFT TENDER COORDINATION
1	15.11.21	PRELIMINARY CONCEPT DESIGN
I/R	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

SHEET TITLE

COMBINED SERVICES PLAN

SHEET NUMBER

60646285-SHT-00-1000-CI-0601

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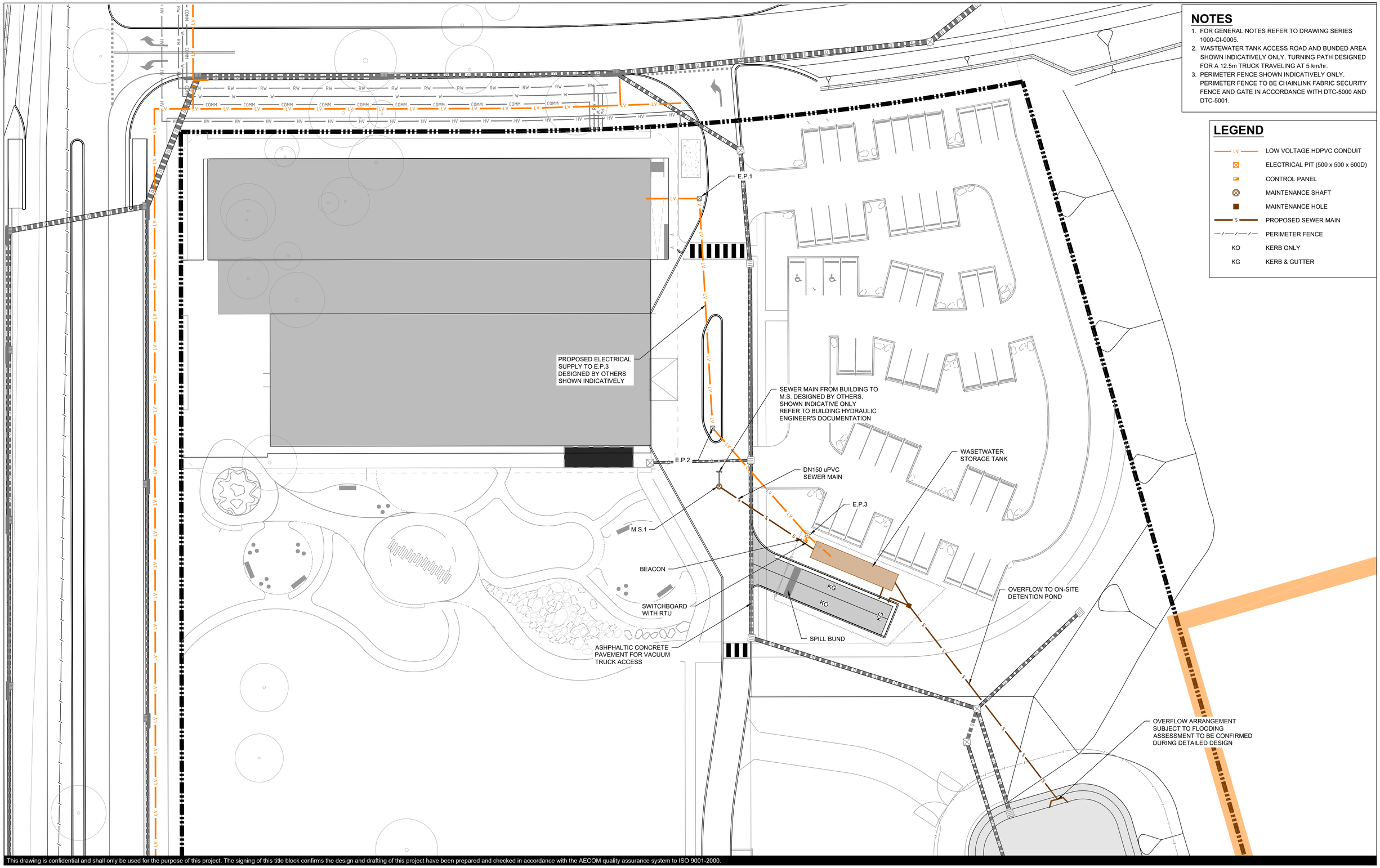
ISO A1 594mm x 841mm



NOTES

1. FOR GENERAL NOTES REFER TO DRAWING SERIES 1000-CI-0005.
2. WASTEWATER TANK ACCESS ROAD AND BUNDED AREA SHOWN INDICATIVELY ONLY. TURNING PATH DESIGNED FOR A 12.5m TRUCK TRAVELING AT 5 km/hr.
3. PERIMETER FENCE SHOWN INDICATIVELY ONLY. PERIMETER FENCE TO BE CHAINLINK FABRIC SECURITY FENCE AND GATE IN ACCORDANCE WITH DTC-5000 AND DTC-5001.

LEGEND

LV	LOW VOLTAGE HDPVC CONDUIT
	ELECTRICAL PIT (500 x 500 x 600D)
	CONTROL PANEL
	MAINTENANCE SHAFT
	MAINTENANCE HOLE
S	PROPOSED SEWER MAIN
	PERIMETER FENCE
KO	KERB ONLY
KG	KERB & GUTTER

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AECOM

CONSULTANT

AECOM Australia Pty Ltd
A.B.N 20 093 846 925
www.aecom.com

PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN



SCALE BAR

0 6.25 12.5 m
1:250

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION
I/R	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

SHEET TITLE

SEWER
GENERAL ARRANGEMENT

SHEET NUMBER

60646285-SHT-00-1000-CI-0611

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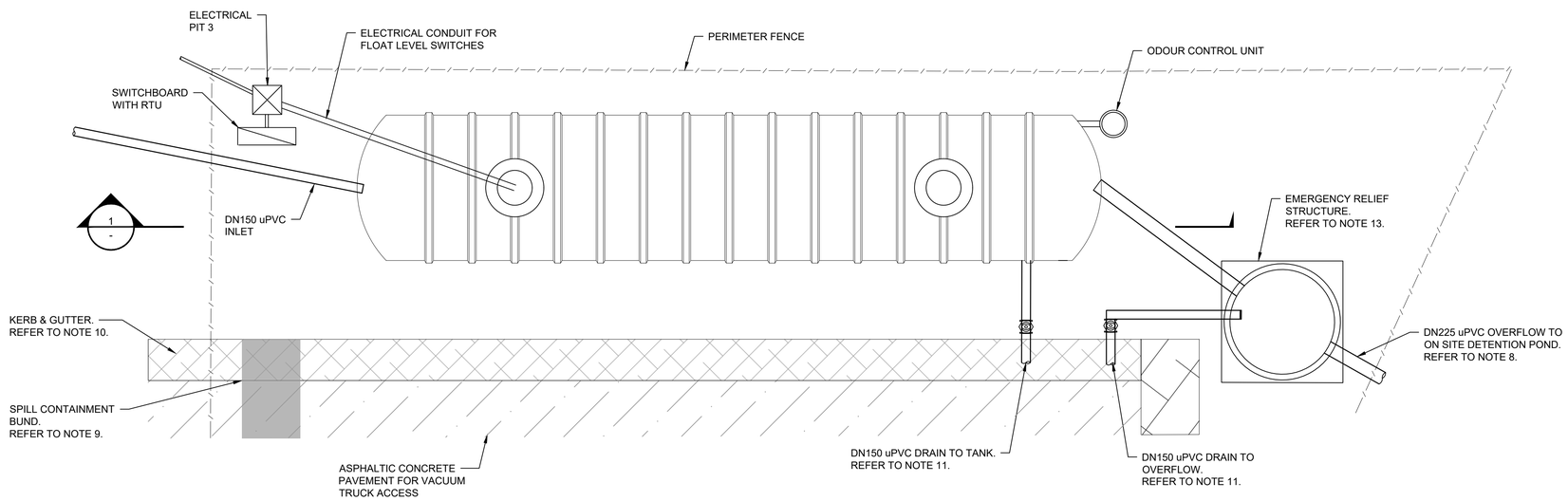
ISO A1 594mm x 841mm

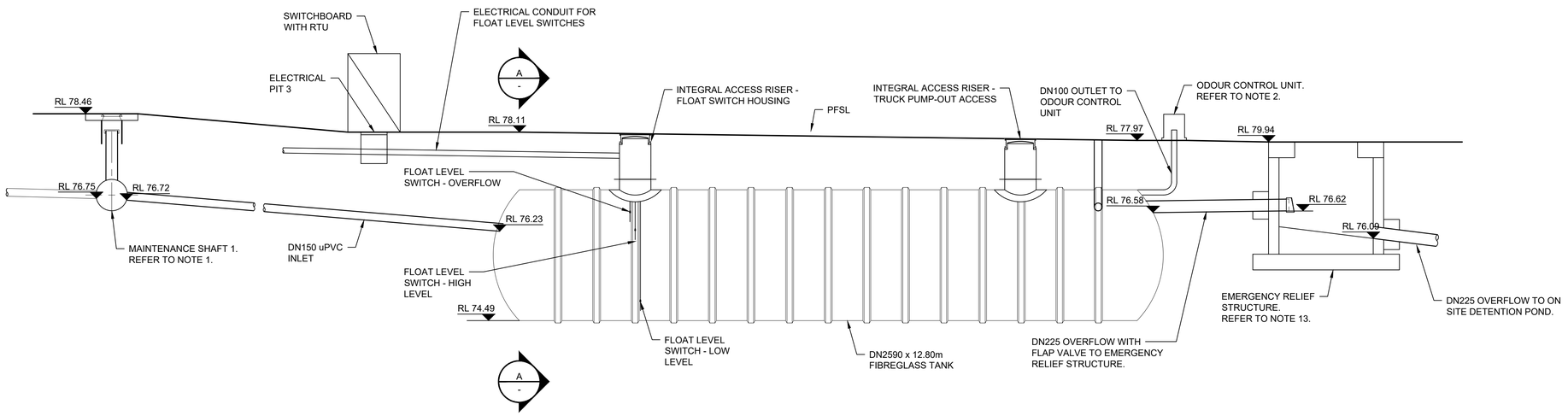


PLAN - FIBREGLASS TANK

SCALE 1:50

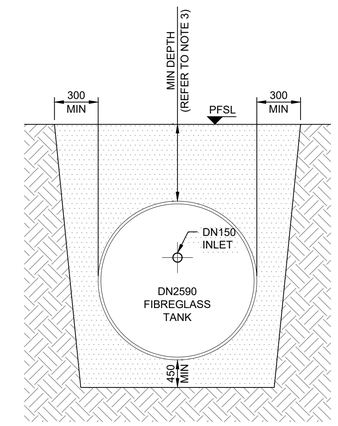
NOTES:

1. MAINTENNANCE SHAFT TO BE 'POO-PIT' BY SMARTSTREAM TECHNOLOGY OR APPROVED EQUIVALENT TO WSA-PS-322. RISERS TO BE PVC-U SN8 AND INSTALLED VERTICALLY, CAP TO BE PVC-U SOLVENT-WELDED JOINT CAP WITH SCREW-LOCK LID AND RUBBER-RING SEAL.
2. ODOUR CONTROL UNIT TO BE ODOUR FILTER TO BE MCBERNS GM300 GROUND MOUNTED FILTER OR APPROVED EQUIVALENT.
3. MINIMUM COVER OF TANK TO BE 1500mm IF NO DEADMAN ANCHORS ARE USED. IF DEADMAN ANCHORS ARE USED, MINIMUM COVER TO BE 950mm.
4. NEW SEWER MAIN TO BE DN150 uPVC SN8 RRJ.
5. NEW SEWER MAIN TO BE LAID AT MINIMUM 900mm COVER
6. MINIMUM VERTICAL CLEARANCE BETWEEN SEWER MAIN AND ELECTRICITY CONDUITS TO BE 225mm. REFER TO CLAUSE 4.4.5.2 OF WSA 02-2002-2.2 SYDNEY WATER EDITION 4 FOR CLEARANCES BETWEEN SEWER MAINS AND OTHER UTILITIES.
7. ASPHALTIC CONCRETE PAVEMENT FOR VACUUM TRUCK ACCESS TO BE AS PER DTC-6311, SECTION 5.
8. OVERFLOW DISCHARGE POINT TO BE IN ACCORDANCE DTC-6312, COMPONENT No. S300.
9. SPILL CONTAINMENT BUND TO BE IN ACCORDANCE WITH DTC-6311, COMPONENT No. S103.
10. KERB & GUTTER TO BE IN ACCORDANCE WITH DTC-6311, COMPONENT No. S104.
11. HARDSTAND DRAINAGE PIPEWORK ASSEMBLY TO BE IN ACCORDANCE WITH DTC-6312, COMPONENT No. S101 & S102.
12. FLOAT SWITCH LEVELS SHOWN INDICATIVELY ONLY.
13. EMERGENCY RELIEF STRUCTURE IN ACCORDANCE WITH DTC-6017. INLET LEVELS TO BE CONFIRMED IN DETAILED DESIGN.



1 | SECTION

Scale 1:50



A | ELEVATION

Scale 1:50

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CONSULTANT

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

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN

SCALE BAR

0 1.25 2.5 m
1:50

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION

PROJECT NUMBER

60646285

SHEET TITLE

SEWER
TYPICAL SECTIONS AND CONNECTION DETAILS

SHEET NUMBER

60646285-SHT-00-1000-CI-0612

NOT FOR CONSTRUCTION

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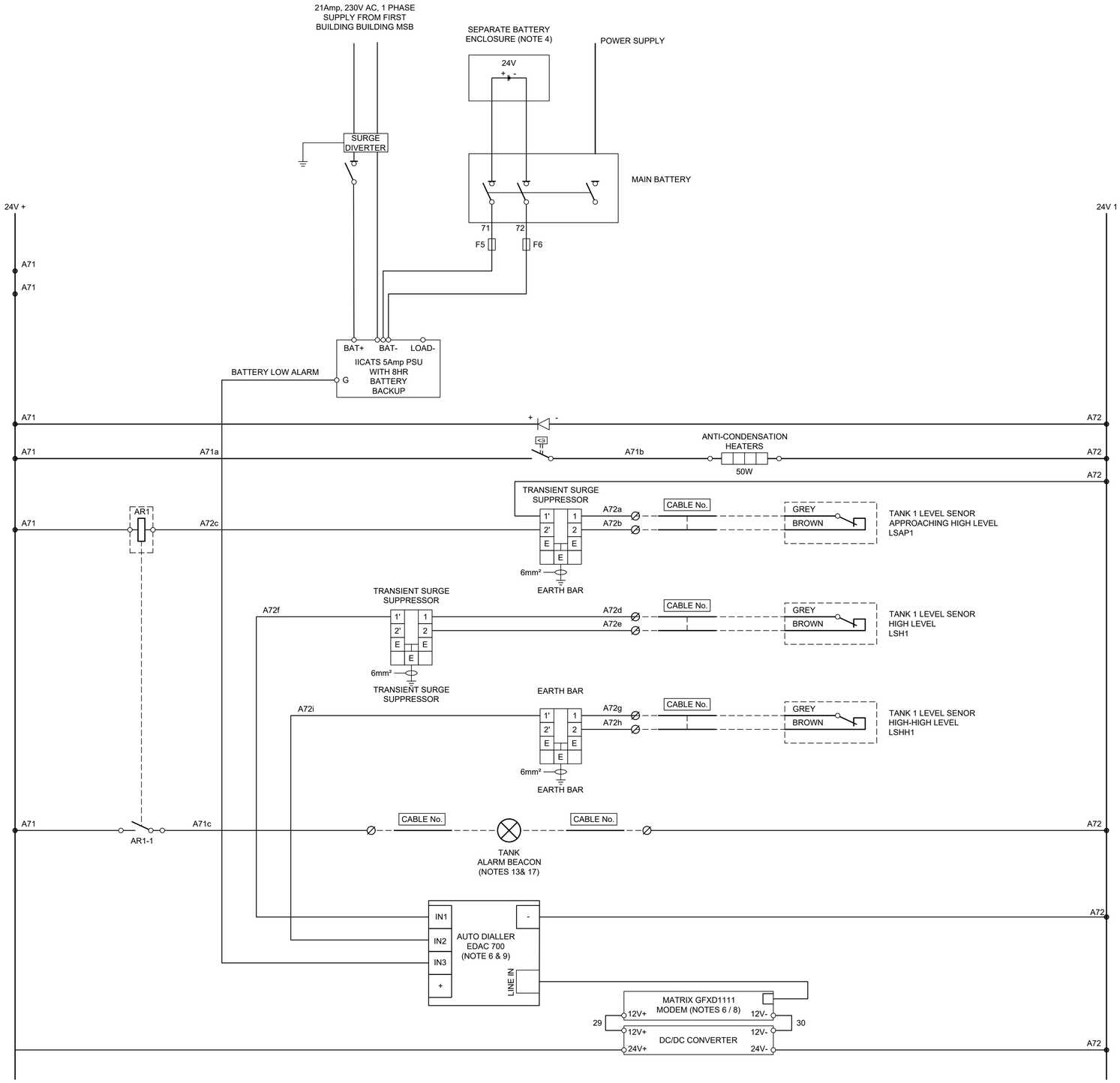
ISO A1 594mm x 841mm



NOTES:

1. THIS DRAWING IS INTENDED TO BE USED AS A STANDARD DESIGN APPLICABLE TO ONE TANK.
2. CUBICLE TO BE WIRED IN COPPER CABLES 0.6/1kV PVC V75 INSULATION MINIMUM 1.5mm$_2$. EXCEPT FOR MAIN DC SUPPLIES AND HEATER CCT WHICH SHALL BE MIN 2.5mm^2.
3. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE SELECTION OF CIRCUIT BREAKERS, FUSES AND ALSO PROTECTION CO-ORDINATION AND CASCADING. THE PROTECTION SYSTEM SHALL COMPLY WITH AS3000.
4. ALL EXTERNAL CABLES SHALL BE PROVIDED WITH A CABLE MARKER AT BOTH ENDS INSCRIBED WITH A UNIQUE IDENTIFYING CODE. LABELS FROM DOMESTIC LABELLERS OF THE "STICK ON" VARIETY OR LABELS MADE WITH "MARKING PENS" ARE NOT ACCEPTABLE.
5. EQUIPMENT SHALL BE PLACED TO ALLOW AIR-FLOW AROUND ANY VENTS AND IN ACCORDANCE WITH EQUIPMENT MANUFACTURERS RECOMMENDATIONS. TEMPERATURE RISE WITHIN THE ENCLOSURE SHALL BE DETERMINED AND THE ENCLOSURE DESIGNED TO MAINTAIN TEMPERATURE WITHIN THE EQUIPMENT SPECIFICATIONS.
6. ALL EQUIPMENT SPECIFICATIONS AND RATINGS TO BE VERIFIED/CONFIRMED BY THE DETAILED DESIGNER.
7. CONTROL PANEL TO BE INSTALLED FACING SOUTH.
8. MODEM TYPE/MODEL TO MATCH THE AUTO DIALLER. TO BE VERIFIED AND CONFIRMED BY THE AUTO DIALLER MANUFACTURER (EDAC).
9. AUTO DIALLER FUNCTION IS:
   - IN1: TANK 1 4 HOURS TO OVERFLOW (DERIVED FROM LSM1)
   - IN2: TANK 1 OVERFLOW (DERIVED FROM LSH1)
   - IN3: BATTERY LOW VOLTS ALARM & SUPPLY FAIL ALARM
   - CONFIGURE TO ACCEPT NORMALLY CLOSED TYPE INPUTS FUNCTION TO BE CONFIRMED AGAINST SITE SPECIFIC OPERATING PLAN.
10. ALARM BEACONS TO BE MOUNTED ON PLINTH ADJACENT TO CONTROL PANEL AS SHOWN ON RELEVANT PLAN LAYOUTDRAWING.
11. CONDUITS SHALL BE HEAVY DUTY uPVC TO AS2053 AND MINIMUM 50mm DIAMETER.
12. ELECTRICAL CUBICLE SHALL BE STAINLESS STELL 316 AND MINIMUM IP56.

MAJOR EQUIPMENT LIST:

1. PHOENIX QUINT POWER QUINT4-PS/1AC/24VDC/10 2904601
2. PHOENIX QUINT UPS QUINT-UPS/24DC/12DC/5/24DC/10 2320461
3. STEGO RC016 ANTI-CONDENSATION HEATERS (24 V DC, 5 OFF 10W FOR 50W TOTAL) & HYGROSTAT
4. DC/DC CONVERTER TO SUIT THE GFXD1111 MODEM (INPUT 10-32V DC / OUTPUT 12 VDC)
5. B & R 'MONARCH IP' ENCLOSURE (CONTROL PANEL), ESTIMATED DIMENSIONS: 600(H) X 800(W) X 270(D)
6. ERICO CRITEC UTB SP TRANSIENT SURGE PROTECTORS.
7. FLYGT ENM-10 FLOAT SWITCH.
8. LED BEACON SCHNEIDER XVB L1B4.
9. AUTO-DIALLER EDAC700.
   CUBICLE TERMINALS
10. PHOENIX UPS-BAT/VRLA/24DC/12AH

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CONSULTANT
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PROJECT
AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT
NSW GOVERNMENT Western Parkland City Authority

KEY PLAN

SCALE BAR

SAFETY IN DESIGN INFORMATION
ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

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1	05.04.22	DRAFT TENDER COORDINATION

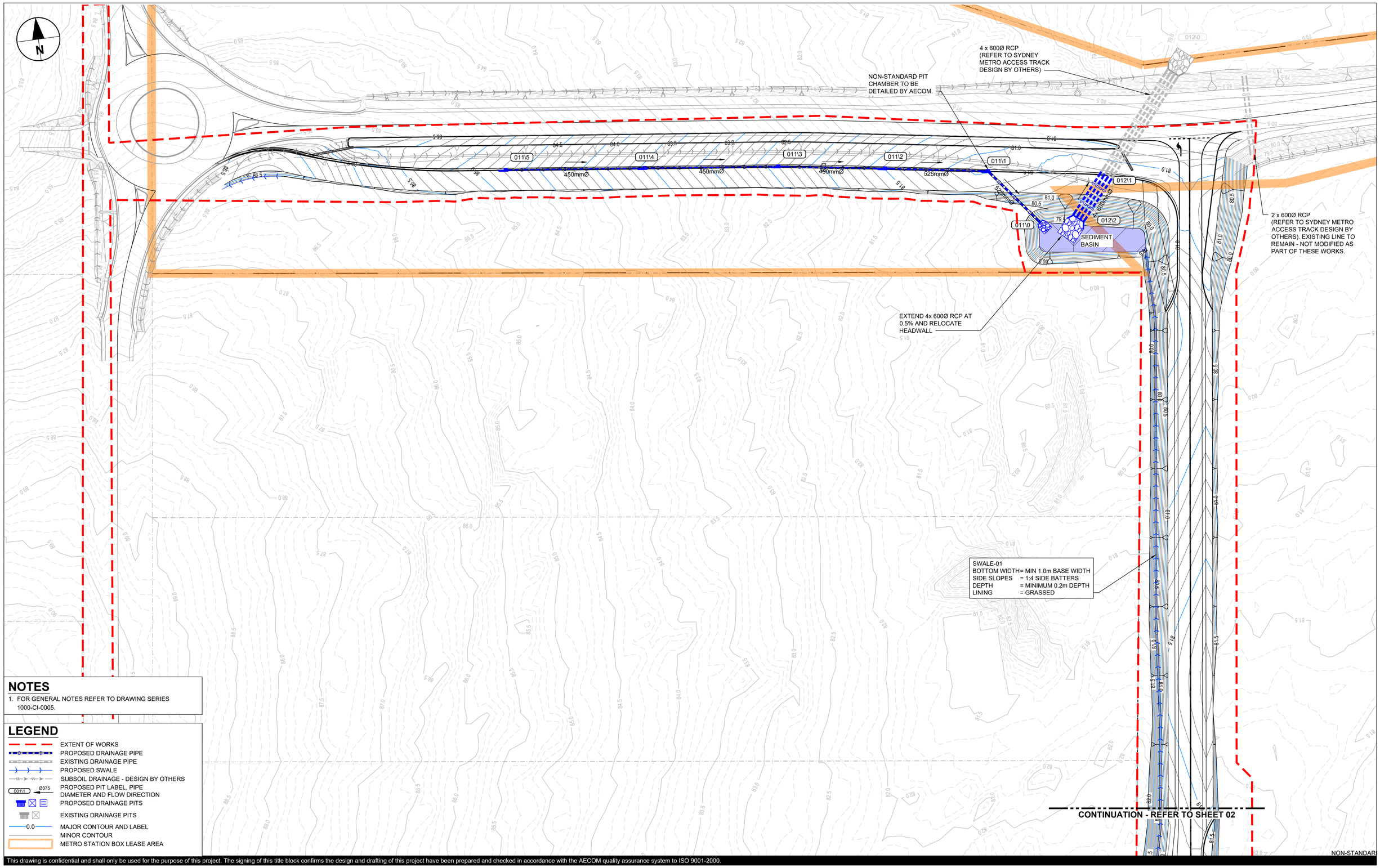
NOT FOR CONSTRUCTION

PROJECT NUMBER
60646285

SHEET TITLE
SEWER
PROCESS & INSTRUMENTATION DIAGRAM

SHEET NUMBER
60646285-SHT-00-1000-CI-0613

ISO A1 594mm x 841mm



NOTES

1. FOR GENERAL NOTES REFER TO DRAWING SERIES 1000-CI-0005.

LEGEND

- EXTENT OF WORKS
- PROPOSED DRAINAGE PIPE
- EXISTING DRAINAGE PIPE
- PROPOSED SWALE
- SUBSOIL DRAINAGE - DESIGN BY OTHERS
- PROPOSED PIT LABEL, PIPE DIAMETER AND FLOW DIRECTION (e.g. 00\1\1, Ø375)
- PROPOSED DRAINAGE PITS
- EXISTING DRAINAGE PITS
- 0.0 MAJOR CONTOUR AND LABEL
- MINOR CONTOUR
- METRO STATION BOX LEASE AREA

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PROJECT

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CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN



SCALE BAR

0 12.5 25 m
1:500

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PROJECT MANAGEMENT INITIALS

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DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

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5	02.09.22	ISSUED FOR APPROVAL
4	29.04.22	ISSUED FOR TENDER
3	22.04.22	DRAFT TENDER COORDINATION
2	05.04.22	DRAFT TENDER COORDINATION
1	15.11.21	PRELIMINARY CONCEPT DESIGN

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

SHEET TITLE

STORMWATER DRAINAGE PLAN
SHEET 01

SHEET NUMBER

60646285-SHT-00-1000-CI-0621

ISO A1 594mm x 841mm

CONTINUATION - REFER TO SHEET 01

CONTINUATION - REFER TO INSET

SWALE-02
BOTTOM WIDTH= MIN 1.0m BASE WIDTH
SIDE SLOPES = 1:4 SIDE BATTERS
DEPTH = MINIMUM 0.4m DEPTH
LINING = FIRST 4m FROM PIPE OUTLET TO HAVE SCOUR PROTECTION INSTALLED, REST OF SWALE TO BE GRASSED

NON-STANDARD PIT CHAMBER TO BE DETAILED BY AECOM.

60m MIC SEPP CORRIDOR

SWALE-03
BOTTOM WIDTH= MIN 1.0m BASE WIDTH
SIDE SLOPES = 1:4 SIDE BATTERS
DEPTH = MINIMUM 0.3m DEPTH
LINING = GRASSED

PARKING LOT TO BE PROVIDED WITH BARRIER KERB OR SIMILAR TO EASTERN EDGE AND GRADED TO ENSURE OVERLAND FLOWS IN MAJOR STORM EVENTS ARE DIRECTED TO THE OSD BASIN.

SUBSOIL DRAINAGE UNDER PERMEABLE PAVERS INDICATIVE ONLY. FINAL SUBSOIL ARRANGEMENT TO BE DEVELOPED IN CONSULTATION WITH PAVEMENT SUPPLIER.

PERMANENT ROAD DRAINAGE

ALL PARKING LOT SUBSOIL LINES TO CONNECT TO STORMWATER NETWORK.

GPT UNIT TO BE INSTALLED TO JUNCTION PIT UPSTREAM OF BASINS. NON STANDARD PIT CHAMBER TO ENCOMPASS PITS 001/1 AND 004/1. STRUCTURAL DETAILS TO BE PROVIDED BY AECOM.

NOMINAL CONNECTION PROVIDED FOR RAINWATER TANK. TO BE COORDINATED WITH BUILDING HYDRAULICS.

TEMPORARY BIORETENTION BASIN. REFER TO SECTION FOR DETAILS.

WSUD BASIN

OSD BASIN

CONTINUATION - REFER TO SHEET 03

CONTINUATION - REFER TO PLAN

INSET
SCALE 1:500

NOTES

1. FOR GENERAL NOTES REFER TO DRAWING SERIES 1000-CI-0005.

LEGEND

- EXTENT OF WORKS
- PROPOSED DRAINAGE PIPE
- EXISTING DRAINAGE PIPE
- PROPOSED SWALE
- SUBSOIL DRAINAGE - DESIGN BY OTHERS
- 001\1 Ø375 — PROPOSED PIT LABEL, PIPE DIAMETER AND FLOW DIRECTION
- PROPOSED DRAINAGE PITS
- EXISTING DRAINAGE PITS
- 0.0 — MAJOR CONTOUR AND LABEL
- MINOR CONTOUR
- METRO STATION BOX LEASE AREA

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PROJECT
AEROTROPOLIS CORE PRECINCT BRINGELLY

CLIENT
NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN


SCALE BAR
0 12.5 25 m
1:500

SAFETY IN DESIGN INFORMATION
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☐ NO
☐ YES

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DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

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2	05.04.22	DRAFT TENDER COORDINATION
1	15.11.21	PRELIMINARY CONCEPT DESIGN

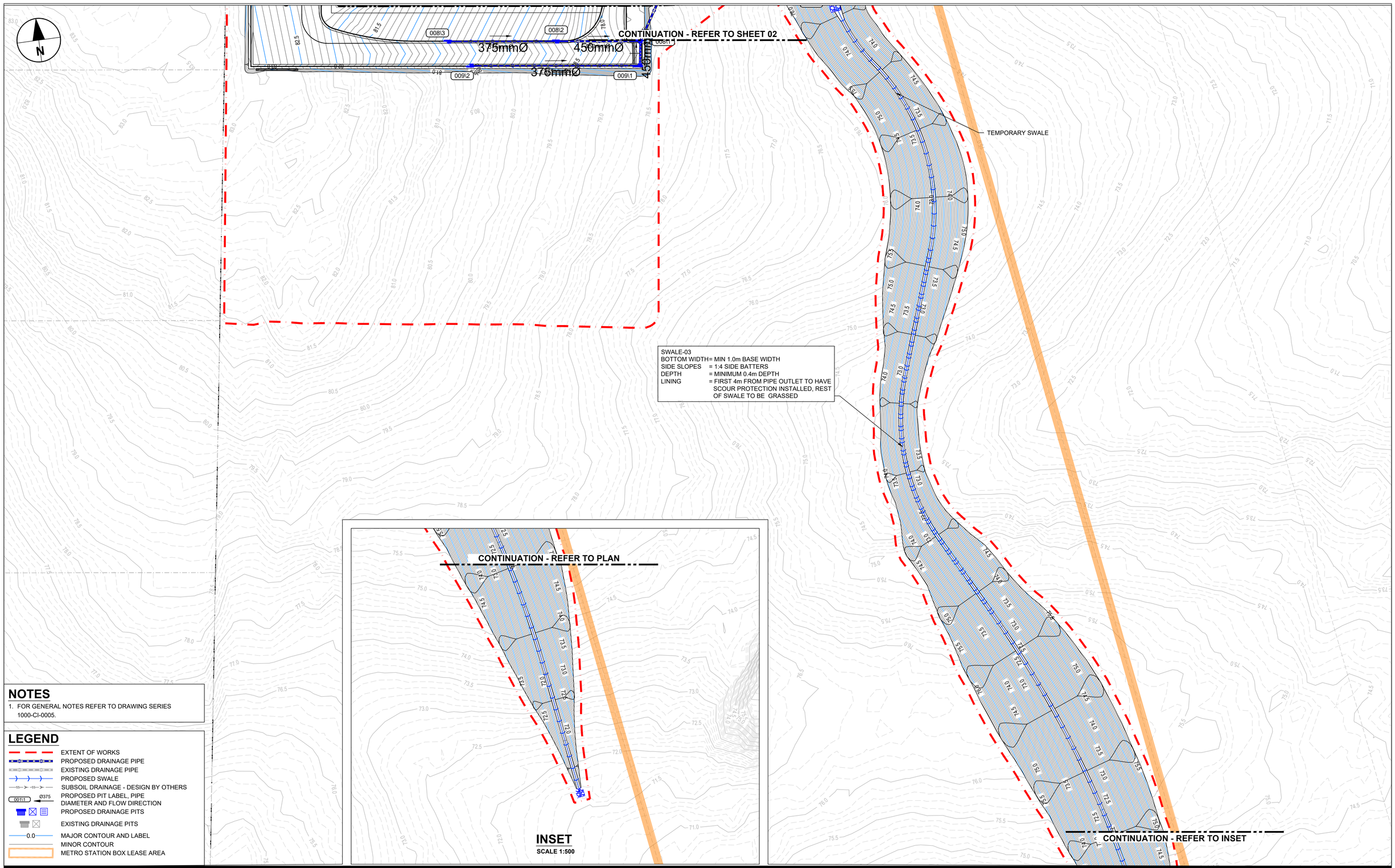
PROJECT NUMBER
60646285

SHEET TITLE
STORMWATER DRAINAGE PLAN SHEET 02

SHEET NUMBER
60646285-SHT-00-1000-CI-0622

NOT FOR CONSTRUCTION

ISO A1 594mm x 841mm



INSET
SCALE 1:500

NOTES
1. FOR GENERAL NOTES REFER TO DRAWING SERIES 1000-CI-0005.

LEGEND
- EXTENT OF WORKS
- PROPOSED DRAINAGE PIPE
- EXISTING DRAINAGE PIPE
- PROPOSED SWALE
- SUBSOIL DRAINAGE - DESIGN BY OTHERS
- 00111 Ø375 — PROPOSED PIT LABEL, PIPE DIAMETER AND FLOW DIRECTION
- PROPOSED DRAINAGE PITS
- EXISTING DRAINAGE PITS
- 0.0 — MAJOR CONTOUR AND LABEL
- MINOR CONTOUR
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AECOM

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PROJECT

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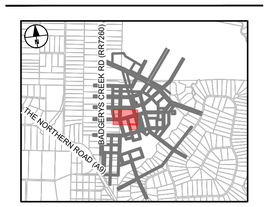
KEY PLAN



SCALE BAR

0 12.5 25 m
1:500

SAFETY IN DESIGN INFORMATION

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☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

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DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

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I/R	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

SHEET TITLE

STORMWATER DRAINAGE PLAN
SHEET 03

SHEET NUMBER

60646285-SHT-00-1000-CI-0623

ISO A1 594mm x 841mm

DRAINAGE PIT SCHEDULE

NAME	INLET TYPE	GRATE SIZE OR LINTEL OPENING	CHAMBER LENGTH	CHAMBER WIDTH	EASTING	NORTHING	PIT SETOUT RL	DEPTH TO INVERT	INLET PIPE DIA	INLET PIPE IL	OUTLET PIPE DIA	OUTLET PIPE IL	NOTES
			(mm)	(mm)	(m)	(m)	(m AHD)	(m)	(mm)	(m)	(mm)	(m)	
1-0	Outlet	Outlet			290557.13	6244194.381	75.923	0.003	450	75.920			Outlet to Bioretention Basin
1-1	Junction Pits	Junction Pit 600 x 600	900	1200	290554.32	6244210.829	77.698	1.629	450	76.145	450	76.069	Junction pit with GPT unit and internal weir for highflow bypass to line 4
									375	76.105			
									450	75.101			
1-2	Dish Crossing Grate	DCG66D	530	900	290523.30	6244225.427	78.188	1.731	450	76.457	450	76.457	
1-3	Dish Crossing Grate	DCG66D	530	900	290526.69	6244250.954	78.317	1.602	450	76.715	450	76.715	
									225	76.565			
1-4	Dish Crossing Grate	DCG66D	530	900	290530.45	6244279.216	78.459	1.459	450	77.000	450	77.000	
1-5	Junction Pits	Junction Pit 600 x 600	450	450	290531.30	6244295.683	78.544	1.348	450	77.196	450	77.196	
1-6	Grated Gully Pit	GG50 - 1.8 KI	900	900	290515.00	6244309.149	79.052	1.640	750	77.748	450	77.412	
									750	77.725			
1-7	Grated Gully Pit	GG50 - 1.8 KI	900	900	290481.54	6244313.266	79.796	1.542	750	78.317	750	78.254	
1-8	Grated Gully Pit	GG50 - 1.8 KI	900	900	290454.81	6244316.878	80.601	1.816	750	78.835	750	78.785	
									750	78.995			
1-9	Grated Gully Pit	GG50 - 1.8 KI			290444.91	6244299.333	80.855	1.775	375	79.140	750	79.080	
									600	79.140			
1-10	Grated Gully Pit	GG50 - 1.2 KI	900	900	290439.52	6244259.422	81.210	1.160	375	80.100	375	80.050	
1-11	Grated Gully Pit	GG50 - 1.2 KI	900	900	290434.97	6244225.763	81.383	0.943	375	80.490	375	80.440	
1-12	Grated Gully Pit	GG50 - 1.2 KI	900	900	290430.17	6244190.274	81.748	0.900	375	80.898	375	80.848	
1-13	Grated Gully Pit	GG50 - 1.2 KI	900	900	290426.17	6244160.646	82.052	0.855			375	81.197	
2-1	Grated Gully Pit	GG50 - 1.8 KI			290424.55	6244298.492	81.159	1.712	600	79.497	600	79.447	
2-2	Grated Gully Pit	GG50 - 1.8 KI	900	900	290422.24	6244281.364	81.023	1.306	600	79.717	600	79.717	
2-3	Grated Gully Pit	GG50 - 1.8 KI	900	900	290418.94	6244256.972	81.262	1.299	450	80.013	600	79.963	
2-4	Grated Gully Pit	GG50 - 1.8 KI	900	900	290415.71	6244233.089	81.503	1.210	375	80.293	450	80.293	
2-5	Grated Gully Pit	GG50 - 1.8 KI	900	900	290410.21	6244192.332	81.914	1.143			375	80.771	
3-1	Hinged Pit Grate	HPG6060			290572.61	6244219.947	77.363	0.985			375	76.378	Connection point for parking lot subsoil drainage
4-1	Junction Pits				290552.20	6244206.246	77.185	2.135	450	75.016	450	75.050	Junction pit with 001/1
4-2	Headwall		780	1700	290559.07	6244166.560	74.700	-0.008			450	74.708	
5-1	Junction Pits	Junction Pit 450 x 450	450	450	290512.18	6244252.589	78.879	0.916			225	77.963	Sealed lid pit. Connection point for rainwater tank.
6-1	Hinged Pit Grate	HPG6060	600	900	290435.88	6244341.694	81.236	1.849			750	79.387	
7-1	Grated Gully Pit	GG50 - 1.8 KI	900	900	290560.66	6244307.543	78.044	1.388	750	76.660	750	76.656	
7-2	Headwall		980	1700	290608.53	6244323.587	76.654	0.146			750	76.508	Outlet to table drain
8-0	Outlet	Outlet			290553.02	6244184.637	75.845	0.021	450	75.824			Outlet to Bioretention Basin
8-1	Grated Gully Pit	GG50 - 1.8 KI	900	900	290513.22	6244120.829	77.545	1.342	450	76.203	450	76.203	
									450	76.213			
8-2	Grated Gully Pit	GG50 - 1.2 KI	900	900	290489.54	6244124.028	78.722	1.336	375	77.436	450	77.386	
9-1	Grated Gully Pit	GG50 - 1.8 KI	900	900	290512.16	6244113.907	77.545	1.256	375	76.339	450	76.289	
8-3	Grated Gully Pit	GG50 - 1.2 KI	900	900	290458.83	6244128.175	80.256	1.248			375	79.008	
9-2	Grated Gully Pit	GG50 - 1.2 KI	900	900	290464.25	6244120.379	79.939	1.382			375	78.557	
10-0	Headwall		780	1700	290566.65	6244123.469	73.311	-0.017	750	73.328			Inlet from southern basin
10-1	Headwall		780	1700	290563.32	6244147.191	74.531	0.024			750	74.507	Outlet to southern swale
11-0	Headwall		780	1700	290423.62	6244530.266	79.412	-0.003	525	79.415			Outlet to northern basin
11-1	Grated Gully Pit	GG50 - 1.8 KI	900	900	290410.26	6244546.691	80.993	1.344	525	79.699	525	79.649	
11-2	Grated Gully Pit	GG50 - 1.2 KI	900	900	290380.66	6244551.531	81.500	1.305	450	80.245	525	80.195	
11-3	Grated Gully Pit	GG50 - 1.2 KI	900	900	290350.14	6244556.268	82.368	0.928	450	81.490	450	81.440	
11-4	Grated Gully Pit	GG50 - 1.8 KI	900	900	290311.75	6244561.045	83.575	0.904	450	82.721	450	82.671	
11-5	Grated Gully Pit	GG50 - 1.8 KI	900	900	290271.74	6244565.997	84.780	0.854			450	83.926	
12-0	Outlet				290467.30	6244567.729	78.877	0.877	4x600	78.000			Outlet of existing line under Metro access road
12-1	Junction point				290444.19	6244540.909	81.081	2.904	4x600	78.180	4x600	78.177	Connection point for extension of existing line
12-2	Headwall				290432.90	6244527.933	79.173	0.906			4x600	78.266	Inlet from northern basin

Last saved by: SHION.WATAKABE(2022-04-29) Last Plotted: 2022-04-29
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CONSULTANT
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PROJECT
AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT
NSW GOVERNMENT Western Parkland City Authority

KEY PLAN

SCALE BAR

SAFETY IN DESIGN INFORMATION
ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

CR	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION

PROJECT NUMBER
60646285

SHEET TITLE
STORMWATER
PIT SCHEDULE

SHEET NUMBER
60646285-SHT-00-1000-CI-0641

ISO A1 594mm x 841mm

Last saved by: SHION.WATAKABE@AECOM.COM Last Plotted: 2022-04-29
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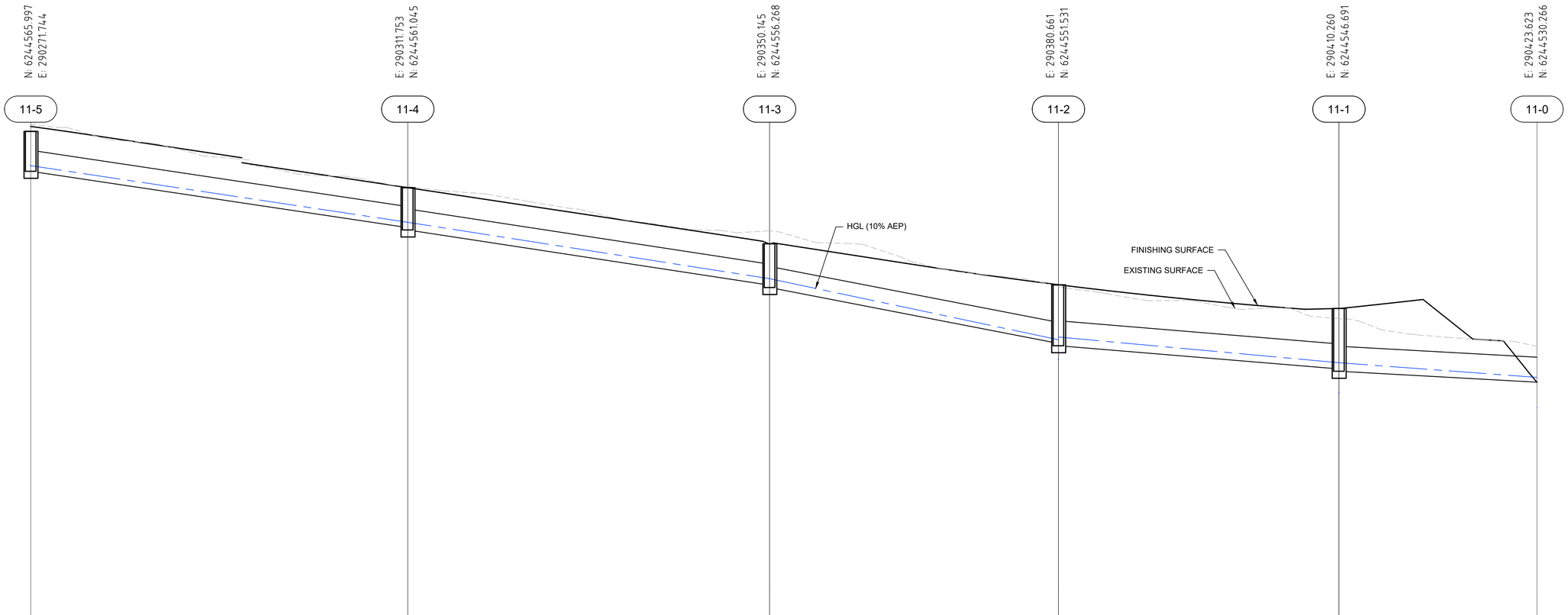

PIPE FLOW (L/s) (10% AEP)	Q= 57	Q= 111	Q= 142	Q= 169	Q= 200
PIPE VELOCITY (m/s)	1.06	1.45	1.73	1.46	2.21
PIPE SIZE (mm) & CLASS	Ø450 CLASS 4 RRJ	Ø450 CLASS 4 RRJ	Ø450 CLASS 4 RRJ	Ø525 CLASS 4 RRJ	Ø525 CLASS 4 RRJ
PIPE GRADE	3.0% 1 in 33	3.1% 1 in 33	3.9% 1 in 26	1.7% 1 in 60	1.1% 1 in 90

DATUM (m)	RL 70.000											
FINISHED (& EXISTING) SURFACE LEVEL	84.780	(84.824)	83.575	(83.597)	82.368	(82.649)	81.500	(81.466)	80.993	(80.770)	79.412	(80.183)
HGL	84.046		82.835		81.629		79.901		79.186		78.872	
INVERT LEVEL	83.926		82.721	82.671	81.490	81.440	80.245	80.195	79.699	79.649	79.415	
DEPTH TO INVERT	0.854		0.854	0.904	0.878	0.928	1.255	1.305	1.294	1.344	-0.003	
CHAINAGE	0.000		40.314		79.002		109.883		139.875		161.050	

LINE 11

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PROJECT
AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT
NSW GOVERNMENT Western Parkland City Authority

KEY PLAN

SCALE BAR
0 6.25 12.5 m
0 0.5 1
H=1:250
V=1:50

SAFETY IN DESIGN INFORMATION
ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

CR	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION
I/R	DATE	DESCRIPTION

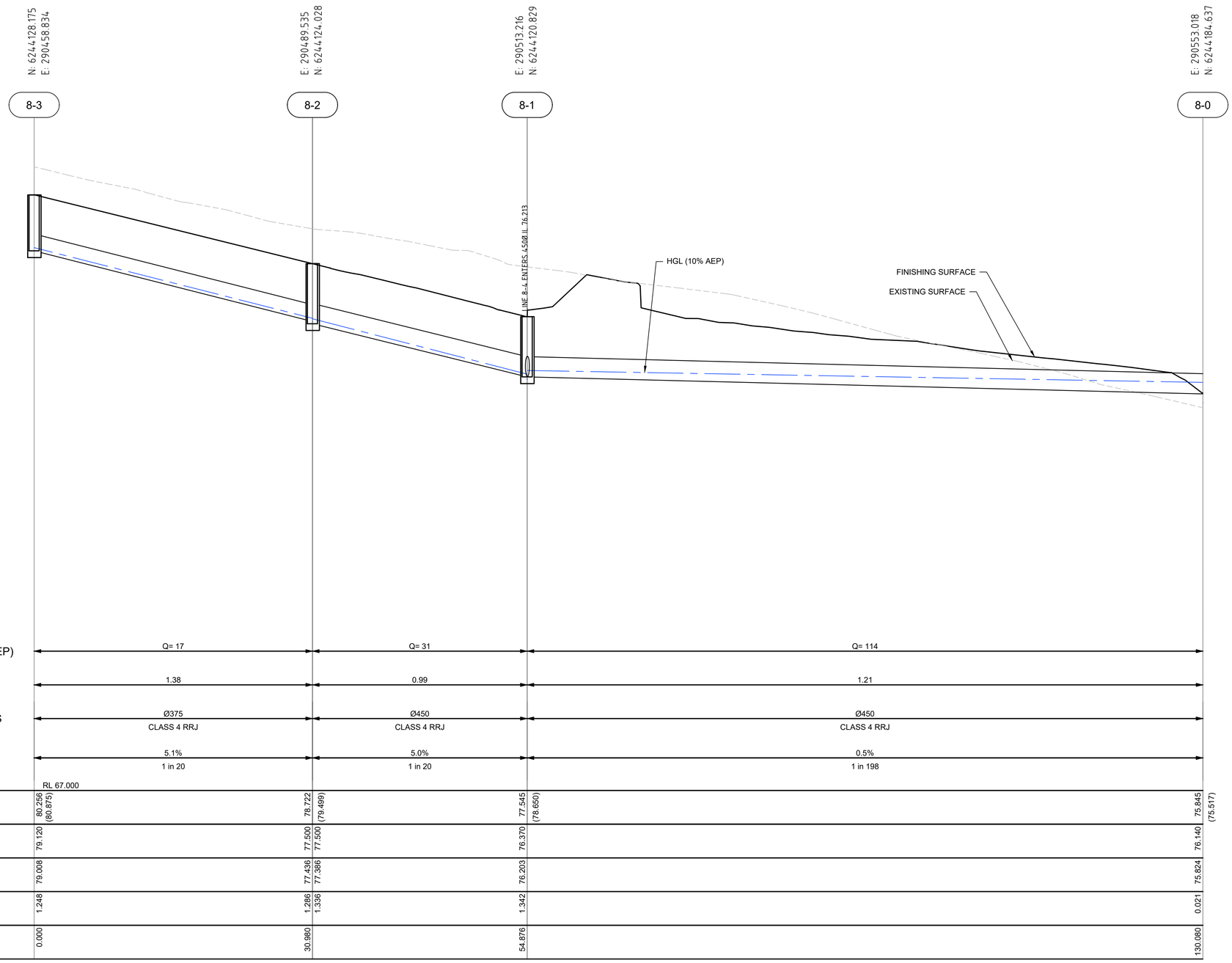
PROJECT NUMBER
60646285

SHEET TITLE
STORMWATER
LONGITUDINAL SECTIONS
SHEET 01

SHEET NUMBER
60646285-SHT-00-1000-CI-0651

ISO A1 594mm x 841mm

Last saved by: SHION.WATAKABE(2022-04-29) Last Plotted: 2022-04-29
Filename: C:\PWWORKING\AECOM_DS10_AU\SHION.WATAKABE@AECOM.COM\D0312723\60646285-SHT-00-1000-CI-0652.DWG



PIPE FLOW (L/s) (10% AEP)	Q= 17	Q= 31	Q= 114
PIPE VELOCITY (m/s)	1.38	0.99	1.21
PIPE SIZE (mm) & CLASS	Ø375 CLASS 4 RRJ	Ø450 CLASS 4 RRJ	Ø450 CLASS 4 RRJ
PIPE GRADE	5.1% 1 in 20	5.0% 1 in 20	0.5% 1 in 198

DATUM (m)	RL 67.000				
FINISHED (& EXISTING) SURFACE LEVEL	80.256 (80.875)	78.722 (79.499)	77.545 (78.650)	75.845 (75.517)	
HGL	79.120	77.500 77.500	76.370	76.140	
INVERT LEVEL	79.008	77.436 77.386	76.203	75.824	
DEPTH TO INVERT	1.248	1.286 1.336	1.342	0.021	
CHAINAGE	0.000	30.980	54.876	130.080	

LINE 8

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PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN

SCALE BAR

0 6.25 12.5 m H=1:250 V=1:50
0 0.5 1

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

CR	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60646285

SHEET TITLE

STORMWATER
LONGITUDINAL SECTIONS
SHEET 02

SHEET NUMBER

60646285-SHT-00-1000-CI-0652

ISO A1 594mm x 841mm

Last saved by: SHION.WATAKABE(2022-04-29) Last Plotted: 2022-04-29
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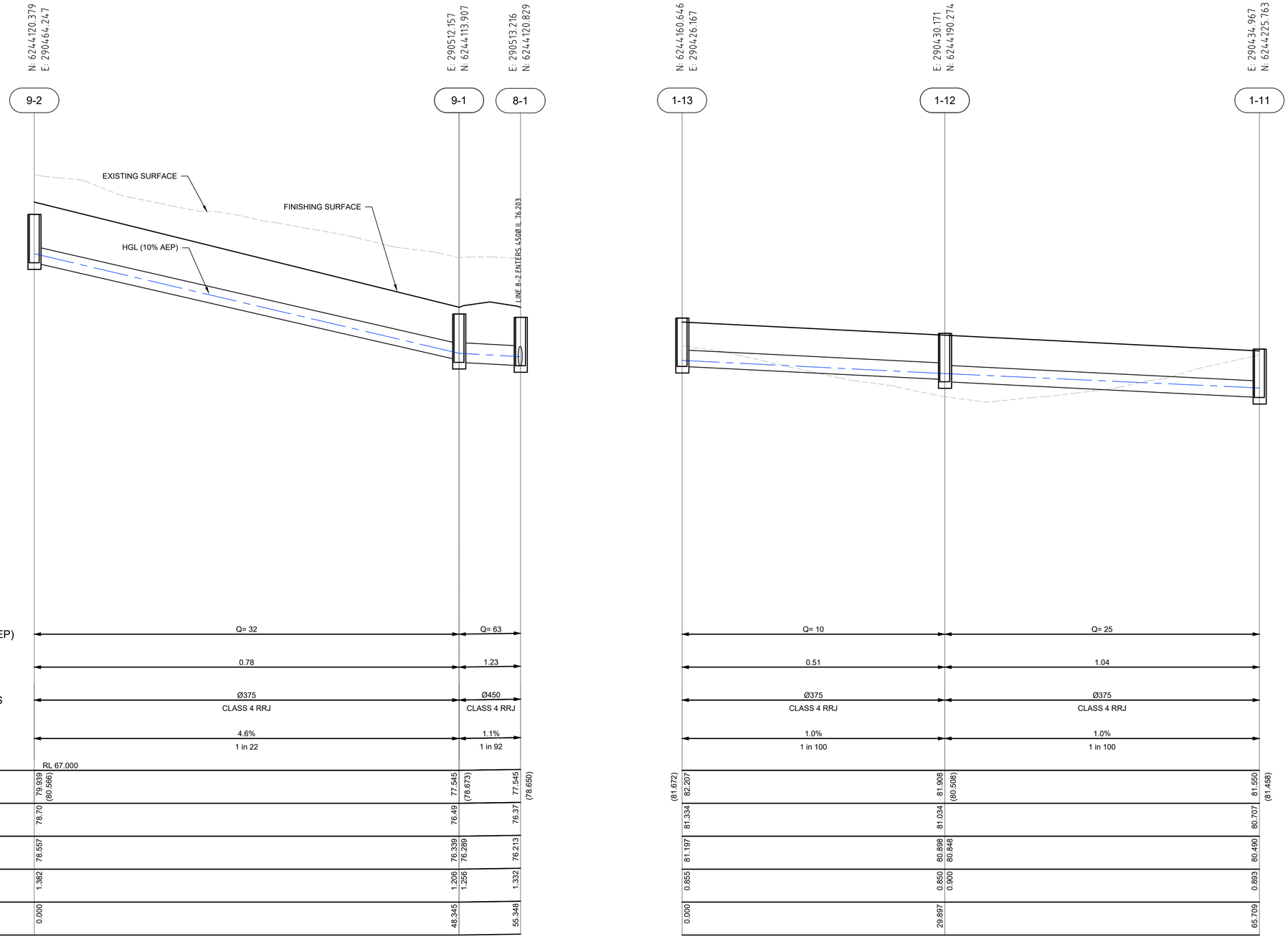

LINE 9

LINE 1

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PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN

SCALE BAR

0 6.25 12.5 m
0 0.5 1
H=1:250
V=1:50

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

CR	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION

PROJECT NUMBER

60646285

SHEET TITLE

STORMWATER
LONGITUDINAL SECTIONS
SHEET 03

SHEET NUMBER

60646285-SHT-00-1000-CI-0653

ISO A1 594mm x 841mm

Last saved by: SHION.WATAKABE@2022-04-29 Last Plotted: 2022-04-29
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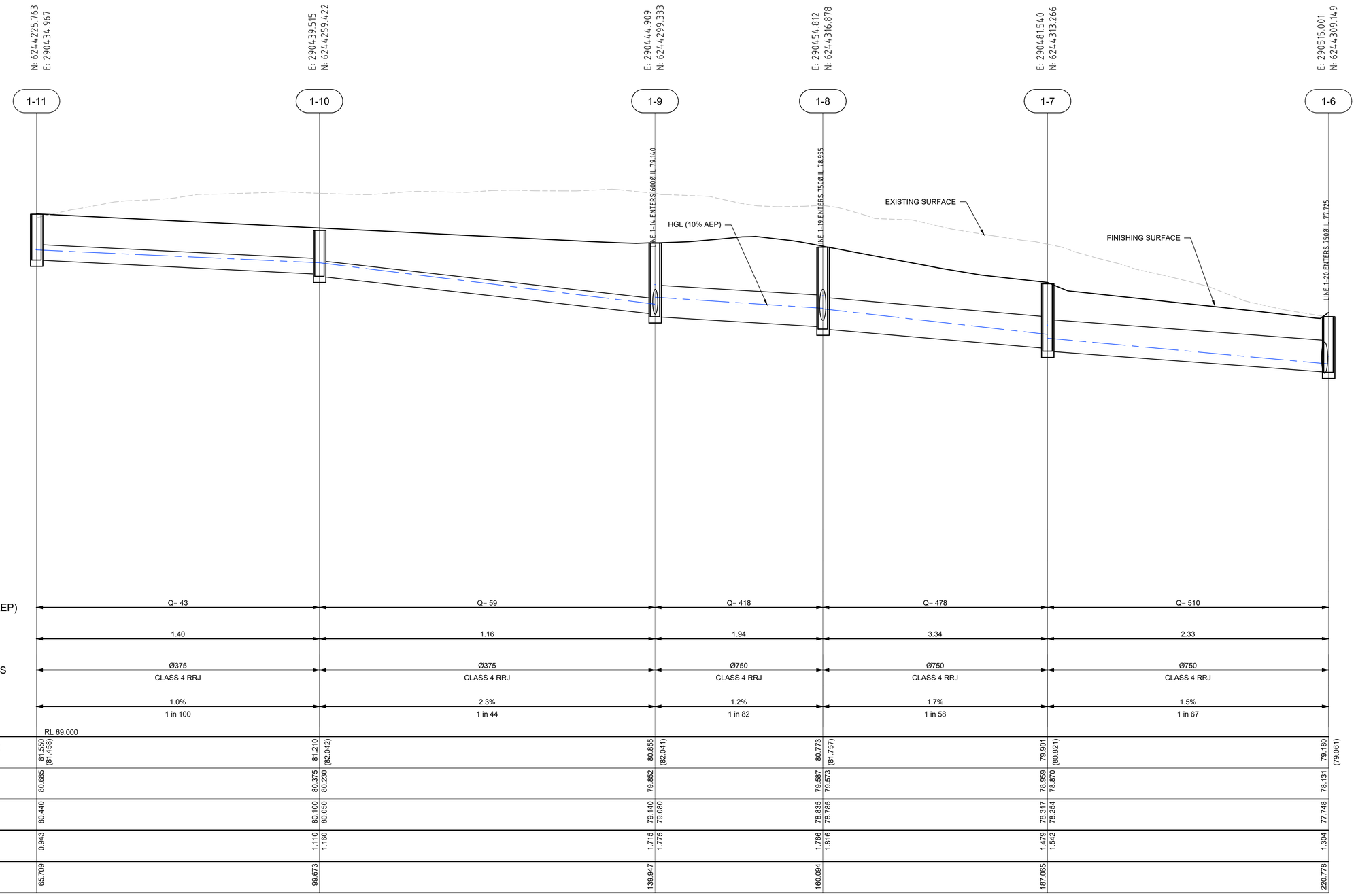

PIPE FLOW (L/s) (10% AEP)	Q= 43	Q= 59	Q= 418	Q= 478	Q= 510
PIPE VELOCITY (m/s)	1.40	1.16	1.94	3.34	2.33
PIPE SIZE (mm) & CLASS	Ø375 CLASS 4 RRJ	Ø375 CLASS 4 RRJ	Ø750 CLASS 4 RRJ	Ø750 CLASS 4 RRJ	Ø750 CLASS 4 RRJ
PIPE GRADE	1.0% 1 in 100	2.3% 1 in 44	1.2% 1 in 82	1.7% 1 in 58	1.5% 1 in 67

DATUM (m) RL 69.000

FINISHED (& EXISTING) SURFACE LEVEL	81.550 (81.458)			81.210 (82.042)			80.855 (82.041)		80.773 (81.757)		79.901 (80.821)	79.180 (79.061)
HGL	80.685			80.375 80.230			79.852		79.587 79.573		78.959 78.870	78.131
INVERT LEVEL	80.440			80.100 80.050			79.140 79.080		78.835 78.785		78.317 78.254	77.748
DEPTH TO INVERT	0.943			1.110 1.160			1.715 1.775		1.766 1.816		1.479 1.542	1.304
CHAINAGE	65.709			99.673			139.947		160.094		187.065	220.778

LINE 1

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PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT Western Parkland City Authority

KEY PLAN

SCALE BAR

0 6.25 12.5 m H=1:250
0 0.5 1 V=1:50

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

CR	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60646285

SHEET TITLE

STORMWATER
LONGITUDINAL SECTIONS
SHEET 04

SHEET NUMBER

60646285-SHT-00-1000-CI-0654

ISO A1 594mm x 841mm

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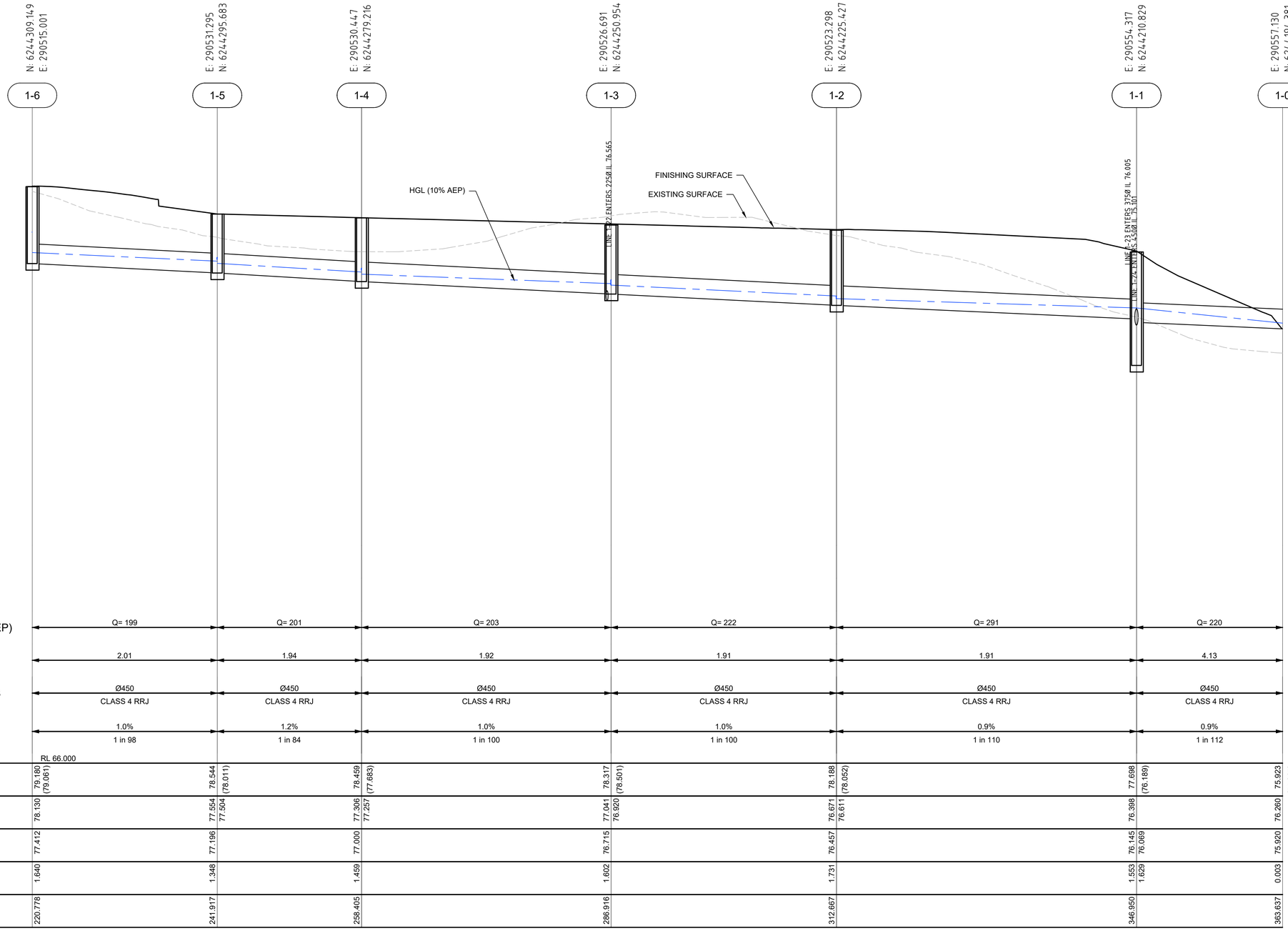

PIPE FLOW (L/s) (10% AEP)	Q= 199		Q= 201		Q= 203		Q= 222		Q= 291		Q= 220		
PIPE VELOCITY (m/s)	2.01		1.94		1.92		1.91		1.91		4.13		
PIPE SIZE (mm) & CLASS	Ø450 CLASS 4 RRJ		Ø450 CLASS 4 RRJ		Ø450 CLASS 4 RRJ		Ø450 CLASS 4 RRJ		Ø450 CLASS 4 RRJ		Ø450 CLASS 4 RRJ		
PIPE GRADE	1.0% 1 in 98		1.2% 1 in 84		1.0% 1 in 100		1.0% 1 in 100		0.9% 1 in 110		0.9% 1 in 112		
DATUM (m)	RL 66.000												
FINISHED (& EXISTING) SURFACE LEVEL	79.180	(79.061)	78.544	(78.011)	78.459	(77.683)	78.317	(78.501)	78.188	(78.052)	77.698	(76.189)	75.923 (75.367)
HGL	78.130		77.554	77.504	77.306	77.257	77.041	76.920	76.671	76.611	76.398		76.260
INVERT LEVEL	77.412		77.196		77.000		76.715		76.457		76.145	76.069	75.920
DEPTH TO INVERT	1.640		1.348		1.459		1.602		1.731		1.553	1.629	0.003
CHAINAGE	220.778		241.917		258.405		286.916		312.667		346.950		363.637

LINE 1

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PROJECT
AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT
NSW GOVERNMENT Western Parkland City Authority

KEY PLAN

SCALE BAR
0 6.25 12.5 m H=1:250
0 0.5 1 V=1:50

SAFETY IN DESIGN INFORMATION
ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

CR	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION
I/R	DATE	DESCRIPTION

PROJECT NUMBER
60646285

SHEET TITLE
STORMWATER
LONGITUDINAL SECTIONS
SHEET 05

SHEET NUMBER
60646285-SHT-00-1000-CI-0655

ISO A1 594mm x 841mm

Last saved by: SHION.WATAKABE(2022-04-29) Last Plotted: 2022-04-29
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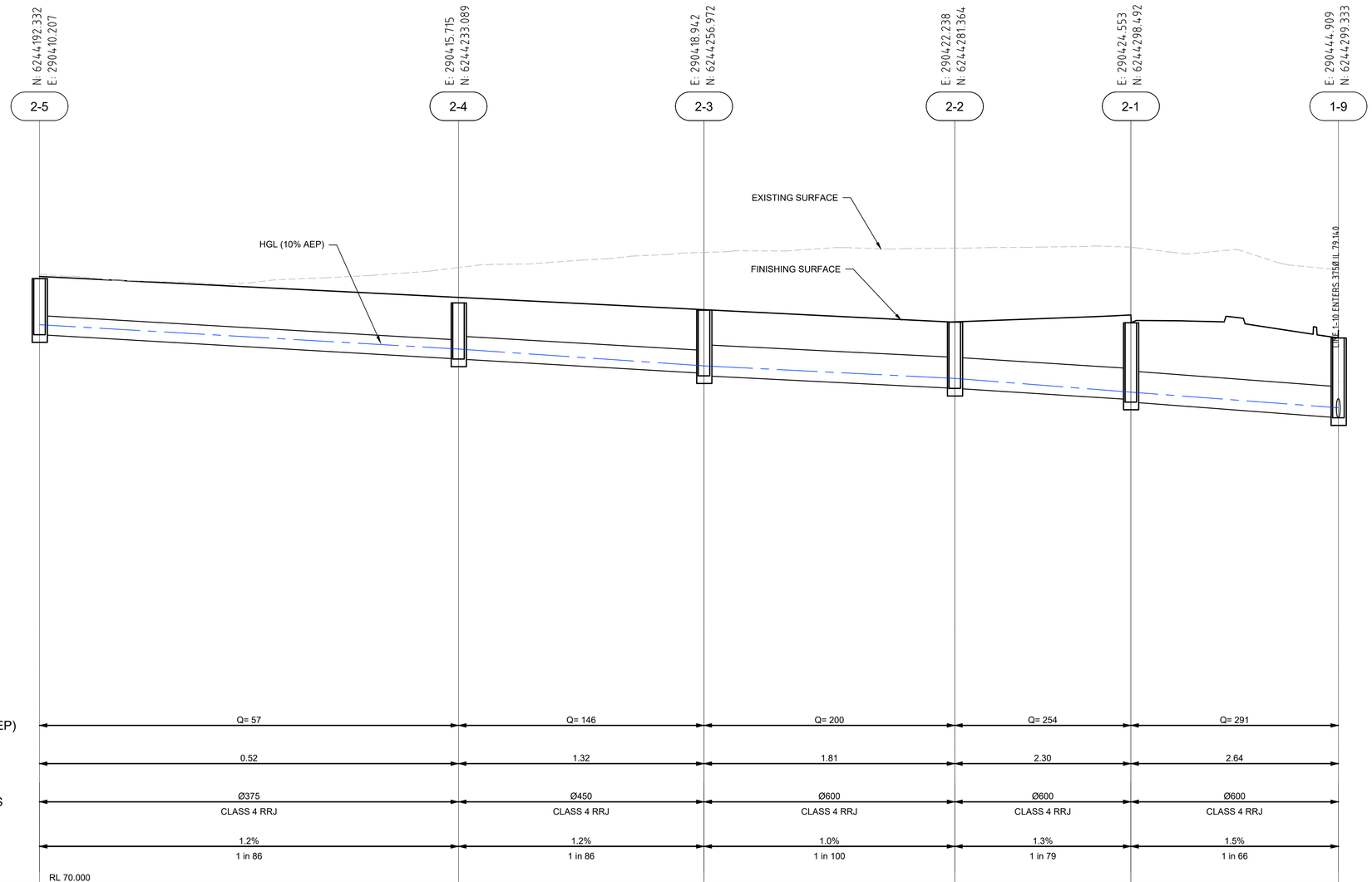

PIPE FLOW (L/s) (10% AEP)	Q= 57			Q= 146			Q= 200		Q= 254		Q= 291
PIPE VELOCITY (m/s)	0.52			1.32			1.81		2.30		2.64
PIPE SIZE (mm) & CLASS	Ø375 CLASS 4 RRJ			Ø450 CLASS 4 RRJ			Ø600 CLASS 4 RRJ		Ø600 CLASS 4 RRJ		Ø600 CLASS 4 RRJ
PIPE GRADE	1.2% 1 in 86			1.2% 1 in 86			1.0% 1 in 100		1.3% 1 in 79		1.5% 1 in 66
DATUM (m)	RL 70.000										
FINISHED (& EXISTING) SURFACE LEVEL	81.914	(81.957)	81.503	(82.090)		81.262	(82.387)	81.023	(82.469)	81.159	(82.490)	80.855	(82.041)
HGL	81.44		81.41			81.21		80.95		80.46		79.852	
INVERT LEVEL	80.771		80.293			80.013	79.963	79.717		79.497	79.447	79.140	
DEPTH TO INVERT	1.143		1.210			1.249	1.299	1.306		1.662	1.712	1.715	
CHAINAGE	0.000		41.127			65.227		89.841		107.125		127.498	

LINE 2

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PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN

SCALE BAR

0 6.25 12.5 m H=1:250
0 0.5 1 V=1:50

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

CR	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60646285

SHEET TITLE

STORMWATER
LONGITUDINAL SECTIONS
SHEET 06

SHEET NUMBER

60646285-SHT-00-1000-CI-0656

ISO A1 594mm x 841mm

Last saved by: SHION.WATAKABE(2022-04-29) Last Plotted: 2022-04-29
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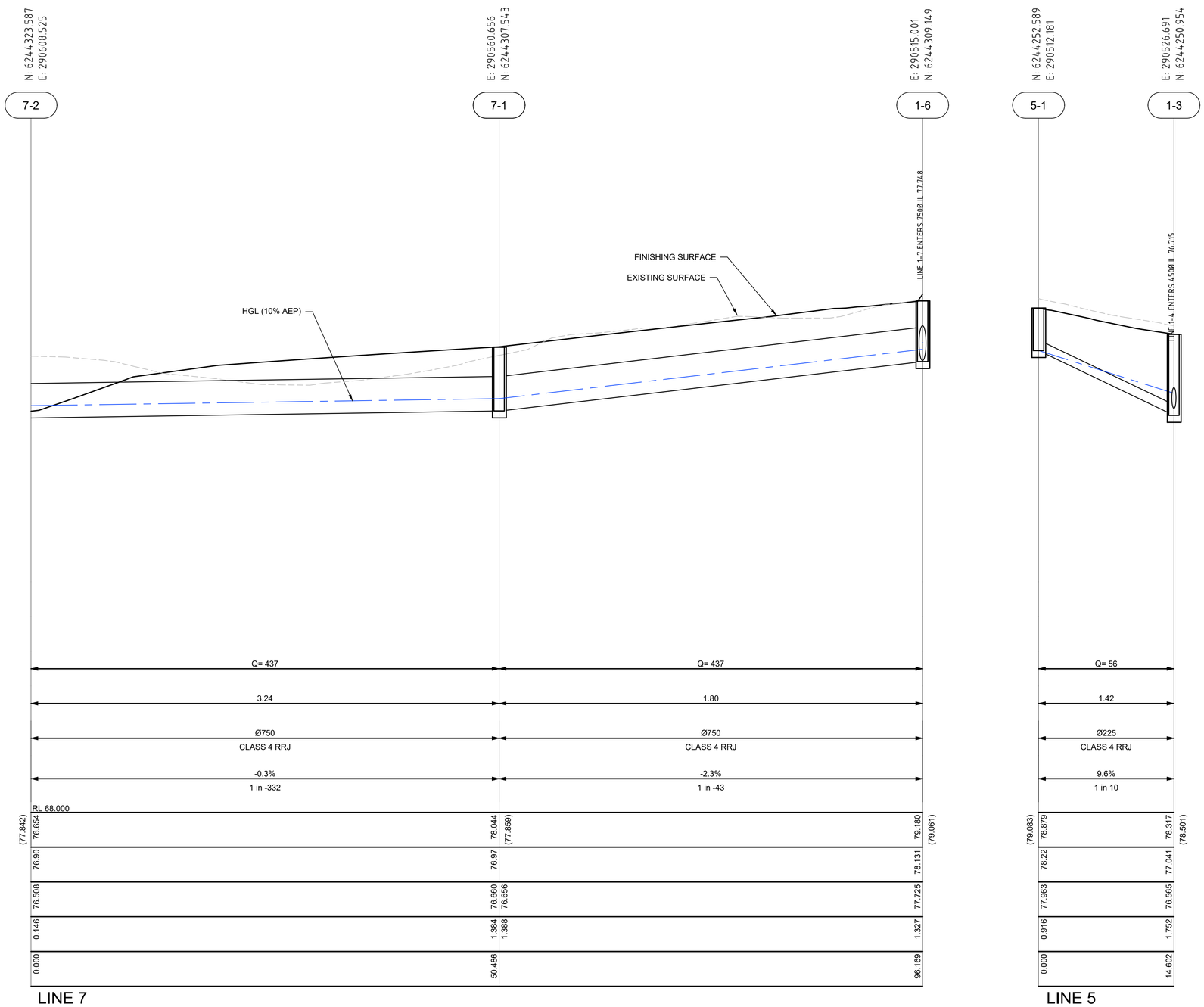

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PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT Western Parkland City Authority

KEY PLAN

SCALE BAR

0 6.25 12.5 m H=1:250
0 0.5 1 V=1:50

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

CR	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION

PROJECT NUMBER

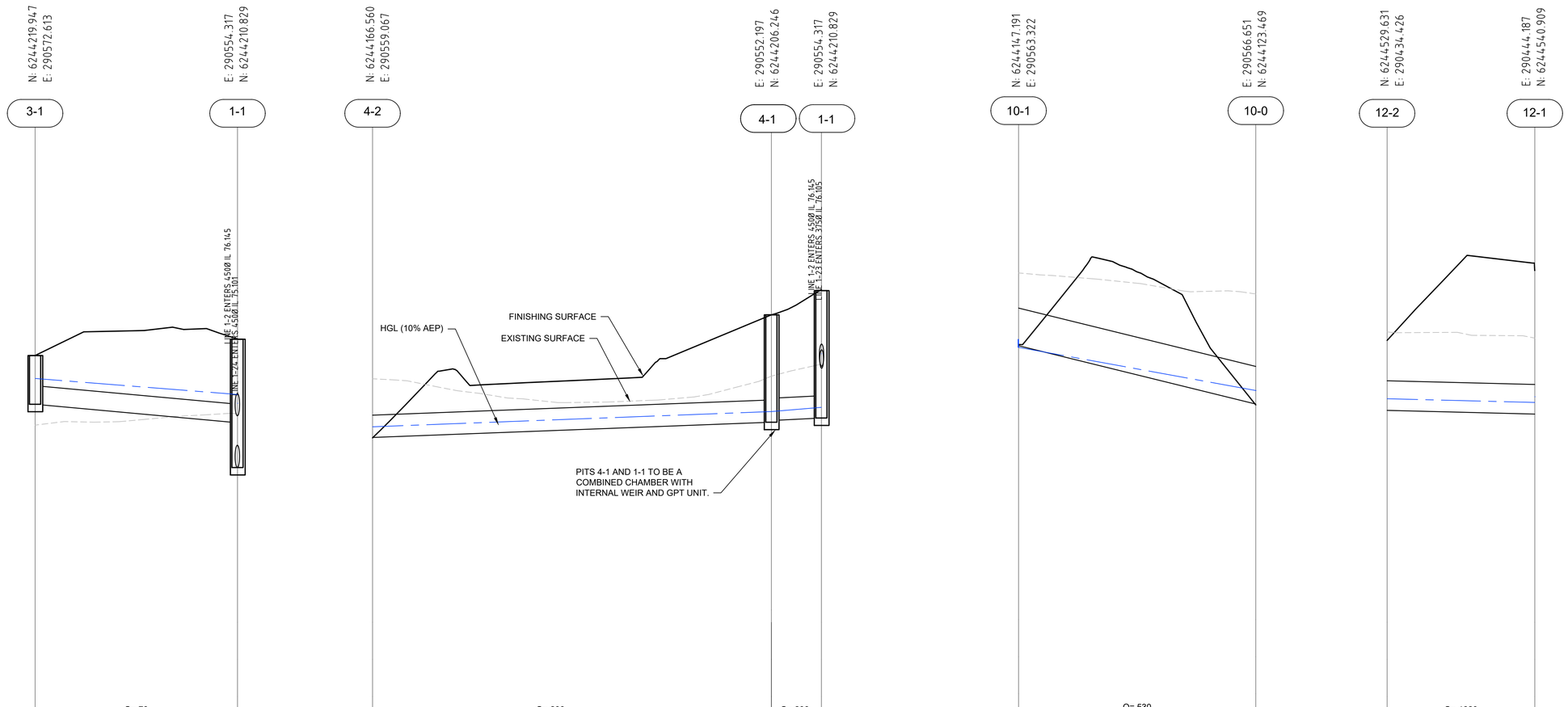
60646285

SHEET TITLE

STORMWATER
LONGITUDINAL SECTIONS
SHEET 07

SHEET NUMBER

60646285-SHT-00-1000-CI-0657



	LINE 3		LINE 4		LINE 10		LINE 12	
PIPE FLOW (L/s) (10% AEP)	Q= 78		Q= 206	Q= 206	Q= 530		Q= 1820	
PIPE VELOCITY (m/s)	0.71		1.61	1.29	3.52		1.79	
PIPE SIZE (mm) & CLASS	Ø375 CLASS 4 RRJ		Ø450 CLASS 4 RRJ	Ø450 CLASS 4 RRJ	Ø750 CLASS 4 RRJ		Ø600 CLASS 4 RRJ	
PIPE GRADE	1.8% 1 in 55		-0.8% 1 in -131	-1.0% 1 in -99	4.9% 1 in 20		0.5% 1 in 200	
DATUM (m)	RL 67.000		RL 66.000					
FINISHED (& EXISTING) SURFACE LEVEL	77.363 (75.957)	77.698 (76.189)	(75.893) 74.700	77.185 (75.946) 77.698 (76.189)	(75.977) 74.531	73.311 (75.552)	(79.841) 79.668	81.081 (79.716)
HGL	77.34	77.31	75.30	75.36 77.31	74.636	73.602	78.76	78.65
INVERT LEVEL	76.378	76.005	74.708	75.016 75.050 75.101	74.507	73.328	78.255	78.180
DEPTH TO INVERT	0.985	1.693	-0.008	2.169 2.135 2.597	0.024	-0.017	1.413	2.900
CHAINAGE	0.000	20.442	0.000	40.276 45.326	0.000	23.954	0.000	14.915

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AECOM

CONSULTANT

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A.B.N 20 093 846 925
www.aecom.com

PROJECT

AEROTROPOLIS CORE PRECINCT BRINGELLY

CLIENT

NSW GOVERNMENT Western Parkland City Authority

KEY PLAN

SCALE BAR

0 6.25 12.5 m H=1:250 V=1:50
0 0.5 1

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

CR	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
3	02.09.22	ISSUED FOR APPROVAL
2	29.04.22	ISSUED FOR TENDER
1	22.04.22	DRAFT TENDER COORDINATION

PROJECT NUMBER

60646285

SHEET TITLE

STORMWATER LONGITUDINAL SECTIONS SHEET 08

SHEET NUMBER

60646285-SHT-00-1000-CI-0658

ISO A1 594mm x 841mm

Last saved by: SHION.WATAKABE(2022-04-29) Last Plotted: 2022-04-29
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ISO A1 594mm x 841mm

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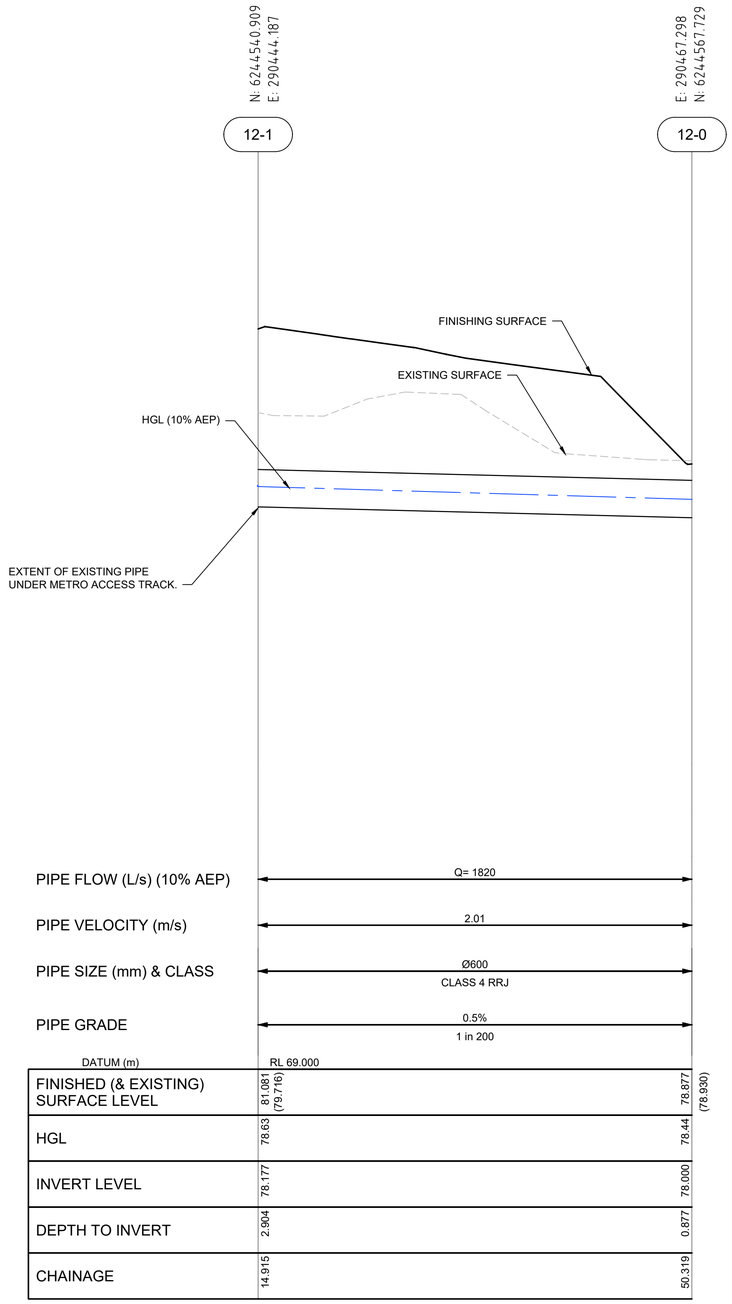

PIPE FLOW (L/s) (10% AEP)	Q= 1820	
PIPE VELOCITY (m/s)	2.01	
PIPE SIZE (mm) & CLASS	Ø600 CLASS 4 RRJ	
PIPE GRADE	0.5% 1 in 200	
DATUM (m)	RL 69.000	
FINISHED (& EXISTING) SURFACE LEVEL	81.081 (79.716)	78.877 (78.930)
HGL	78.63	78.44
INVERT LEVEL	78.177	78.000
DEPTH TO INVERT	2.904	0.877
CHAINAGE	14.915	50.319

LINE 12

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PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT Western Parkland City Authority

KEY PLAN

SCALE BAR

0 6.25 12.5 m
0 0.5 1
H=1:250
V=1:50

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

CR	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

3	02.09.22	ISSUED FOR APPROVAL
2	29.04.22	ISSUED FOR TENDER
1	22.04.22	DRAFT TENDER COORDINATION
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60646285

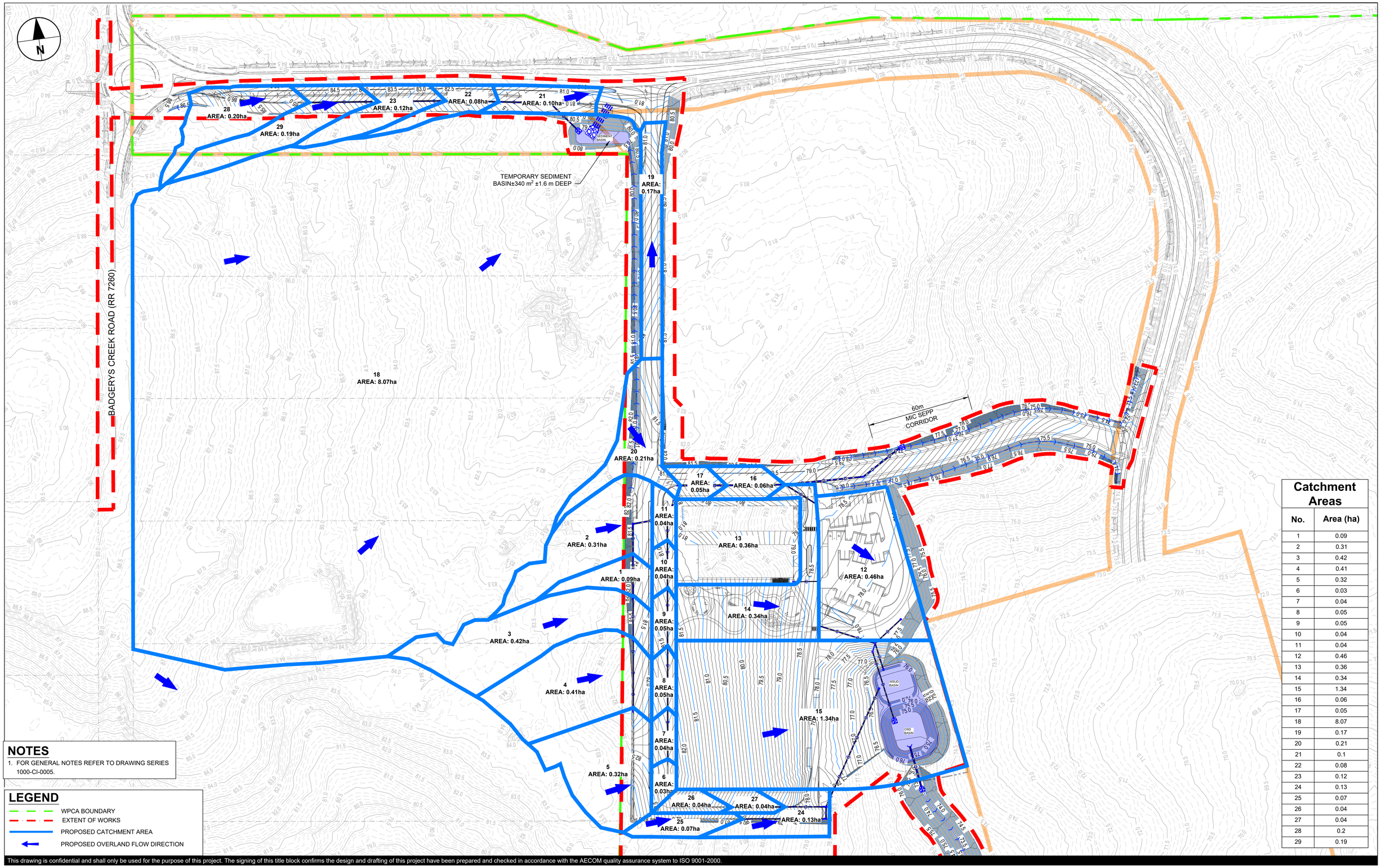
SHEET TITLE

STORMWATER
LONGITUDINAL SECTIONS
SHEET 09

SHEET NUMBER

60646285-SHT-00-1000-CI-0659

ISO A1 594mm x 841mm



Catchment Areas

No.	Area (ha)
1	0.09
2	0.31
3	0.42
4	0.41
5	0.32
6	0.03
7	0.04
8	0.05
9	0.05
10	0.04
11	0.04
12	0.46
13	0.36
14	0.34
15	1.34
16	0.06
17	0.05
18	8.07
19	0.17
20	0.21
21	0.1
22	0.08
23	0.12
24	0.13
25	0.07
26	0.04
27	0.04
28	0.2
29	0.19

NOTES

1. FOR GENERAL NOTES REFER TO DRAWING SERIES 1000-CI-0005.

LEGEND

- WPCA BOUNDARY
- EXTENT OF WORKS
- PROPOSED CATCHMENT AREA
- PROPOSED OVERLAND FLOW DIRECTION

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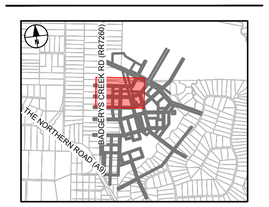
PROJECT

AEROTROPOLIS CORE PRECINCT BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN



SCALE BAR

0 25 50 m
1:1000

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

CR	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

5	02.09.22	ISSUED FOR APPROVAL
4	29.04.22	ISSUED FOR TENDER
3	22.04.22	DRAFT TENDER COORDINATION
2	05.04.22	DRAFT TENDER COORDINATION
1	15.11.21	PRELIMINARY CONCEPT DESIGN
I/R	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

SHEET TITLE

STORMWATER POST DEVELOPMENT CATCHMENT PLAN

SHEET NUMBER

60646285-SHT-00-1000-CI-0671

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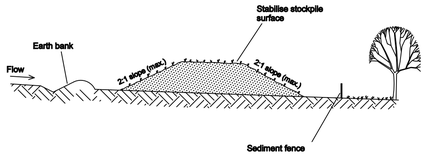
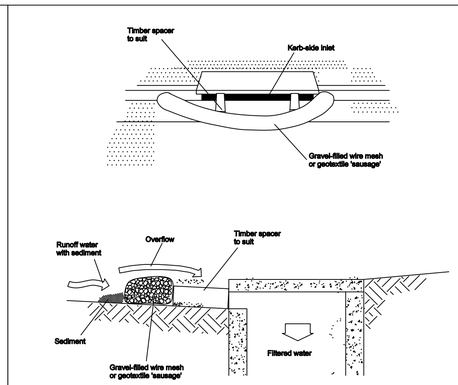
ISO A1 594mm x 841mm



Construction Notes

1. Place stockpiles more than 2 (preferably 5) metres from existing vegetation, concentrated water flow, roads and hazard areas.
2. Construct on the contour as low, flat, elongated mounds.
3. Where there is sufficient area, topsoil stockpiles shall be less than 2 metres in height.
4. Where they are 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.
5. Construct earth banks on the upslope side to divert water around stockpiles and sediment fences 1 to 2 metres downslope.

STOCKPILE PROTECTION

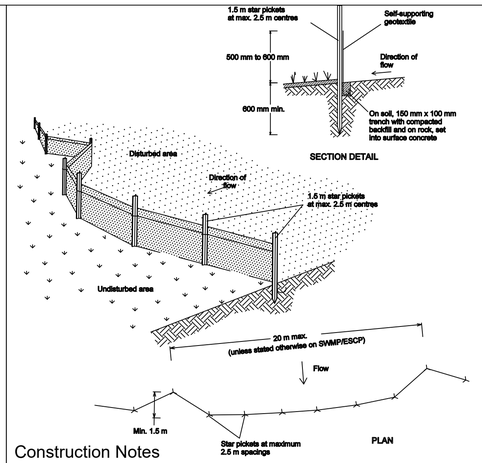


NOTE: This practice only to be used where specified in an approved SWMP/ESCP.

Construction Notes

1. Install filters to kerb inlets only at sag points.
2. Fabricate a sleeve made from geotextile or wire mesh longer than the length of the inlet pit and fill it with 25 mm to 50 mm gravel.
3. Form an elliptical cross-section about 150 mm high x 400 mm wide.
4. Place the filter at the opening leaving at least a 100-mm space between it and the kerb inlet. Maintain the opening with spacer blocks.
5. Form a seal with the kerb to prevent sediment bypassing the filter.
6. Sandbags filled with gravel can substitute for the mesh or geotextile providing they are placed so that they firmly abut each other and sediment-laden waters cannot pass between.

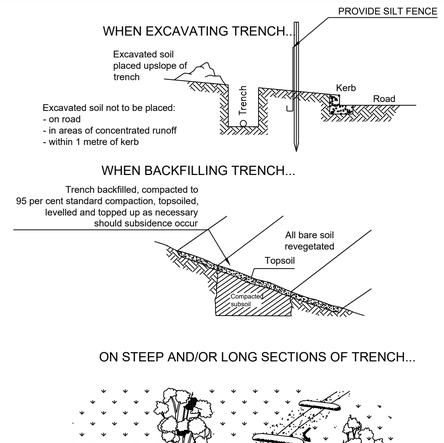
MESH AND GRAVEL INLET FILTER



Construction Notes

1. 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.
2. Cut a 150-mm deep trench along the upslope line of the fence for the bottom of the fabric to be entrenched.
3. Drive 1.5 metre long star pickets into ground at 2.5 metre intervals (max) at the downslope edge of the trench. ensure any star pickets are fitted with safety caps.
4. 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.
5. Join sections of fabric at a support post with a 150-mm overlap.
6. Backfill the trench over the base of the fabric and compact it thoroughly over the geotextile.

SEDIMENT FENCE SD 6-8



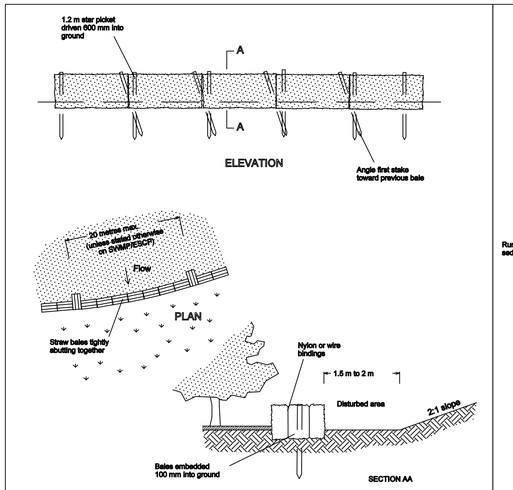
Construction Notes

1. Do not open any trench unless it is likely to be closed in three days.
2. Place excavated material upslope of trench.
3. Stockpile topsoil separately from subsoil.
4. Divert runoff from the line of the cut with diversions as directed by standard drawing 5-2.
5. Rehabilitate in accordance with specification.

UTILITY CONSTRUCTION SD9-1

EROSION AND SEDIMENTATION CONTROL NOTES

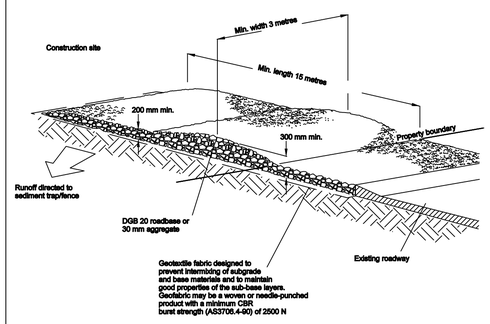
1. UPON COMPLETION OF FINAL EARTHWORKS OR AFTER WRITTEN DIRECTION PRINCIPAL AUTHORISED PERSON, IMMEDIATE SILT CONSERVATION TREATMENTS SHALL BE APPLIED SO AS TO RENDER AREAS THAT HAVE BEEN DISTURBED, EROSION PROOF WITHIN 14-DAYS;
2. ALL PERIMETER AND SILTATION CONTROL MEASURES ARE TO BE THE FIRST STEP IN CLEARING OR EARTHWORKS;
3. THE AREA OVER ALL STORMWATER AND SEWER LINES NOT IN STREETS IS TO BE MULCHED AND SEEDED AS SOON AS POSSIBLE BUT NO LATER THAN WITHIN 14-DAYS AFTER BACKFILL;
4. NO MORE THAN 150-METRES OF TRENCH IS TO BE OPEN AT ANY ONE TIME;
5. AREAS OVER ELECTRICITY POWER, TELEPHONE AND GAS SUPPLY TRENCHES ARE TO BE SEEDED AND MULCHED AS SOON AS POSSIBLE BUT NO LATER THAN WITHIN 14-DAYS AFTER BACKFILL;
6. 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;
7. 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;
8. ALL FINAL EROSION PREVENTION MEASURES, INCLUDING ESTABLISHMENT OF GRASSING, ARE TO BE COMPLETED PRIOR TO THE SITE FINAL INSPECTION;
9. STABILISATION OF ALL CUT AND FILL SLOPES SHALL BE COMMENCED WITHIN 14-DAYS OF COMPLETION OF FORMATION;
10. A STRIP OF TURF IS TO BE PLACED IMMEDIATELY BEHIND THE KERB AND GUTTER ON ALL NEW ROADS AND AT ADDITIONAL LOCATIONS AS DETERMINED BY PRINCIPAL AUTHORISED PERSON;
11. ALL TOPSOIL IS TO BE STOCKPILED ON SITE (AWAY FROM TREES AND DRAINAGE LINES). MEASURES SHALL BE APPLIED TO PREVENT EROSION OF THE STOCKPILES AND
12. ESTABLISHMENT OF FIRE BREAKS SHALL BE CARRIED OUT IN CONSULTATION WITH A FIRE CONTROL OFFICER.



Construction Notes

1. Construct the straw bale filter as close as possible to being parallel to the contours of the site.
2. Place bales lengthwise in a row with ends tightly abutting. Use straw to fill any gaps between bales. Straws are to be placed parallel to ground.
3. Ensure that the maximum height of the filter is one bale.
4. Embed each bale in the ground 75 mm to 100 mm and anchor with two 1.2 metre star pickets or stakes. Angle the first star picket or stake in each bale towards the previously laid bale. Drive them 600 mm into the ground and, if possible, flush with the top of the bales. Where star pickets are used and they protrude above the bales, ensure they are fitted with safety caps.
5. Where a straw bale filter is constructed downslope from a disturbed batter, ensure the bales are placed 1 to 2 metres downslope from the toe.
6. Establish a maintenance program that ensures the integrity of the bales is retained - they could require replacement each two to four months.

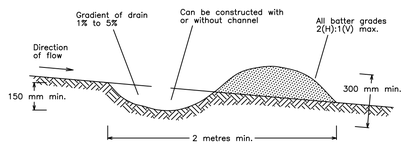
STRAW BALE FILTER



Construction Notes

1. Strip the topsoil, level the site and compact the subgrade.
2. Cover the area with needle-punched geotextile.
3. Construct a 200 mm thick pad over the geotextile using road base or 30 mm aggregate.
4. Ensure the structure is at least 15 metres long or to building alignment and at least 3 metres wide.
5. Where a sediment fence joins onto the stabilised access, construct a hump in the stabilised access to divert water to the sediment fence

STABILISED SITE ACCESS

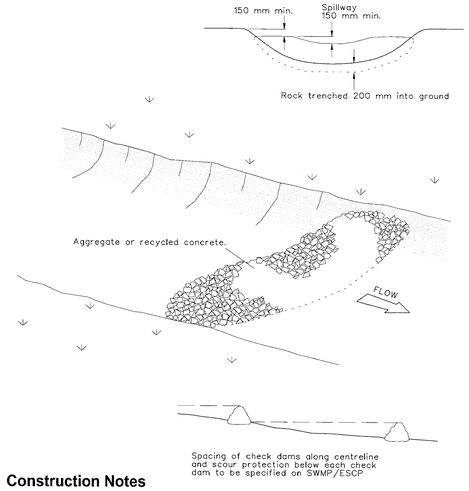


NOTE: Only to be used as temporary bank where maximum upslope length is 80 metres.

Construction Notes

1. Build with gradients between 1 percent and 5 percent.
2. Avoid removing trees and shrubs if possible - work around them.
3. Ensure the structures are free of projections or other irregularities that could impede water flow.
4. Build the drains with circular, parabolic or trapezoidal cross sections, not V shaped.
5. Ensure the banks are properly compacted to prevent failure.
6. Complete permanent or temporary stabilisation within 10 days of construction.

DIVERSION SWALE



Construction Notes

1. Check dams can be built with various materials, including rocks, logs, sandbags and straw bales. The maintenance program should ensure their integrity is retained, especially where constructed with straw bales. In the case of bales, this might require their replacement each two to four months.
2. Trench the check dam 200 mm into the ground across its whole width. Where rock is used, fill the trenches to at least 100 mm above the ground surface to reduce the risk of undercutting.
3. Normally, their maximum height should not exceed 600 mm above the gully floor. The centre should act as a spillway, being at least 150 mm lower than the outer edges.
4. Space the dams so the toe of the upstream dam is level with the spillway of the next downstream dam.

ROCK CHECK DAM SD 5-4

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PROJECT
AEROTROPOLIS CORE PRECINCT BRINGELLY

CLIENT
NSW GOVERNMENT Western Parkland City Authority

KEY PLAN

SCALE BAR

SAFETY IN DESIGN INFORMATION
ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION

NOT FOR CONSTRUCTION

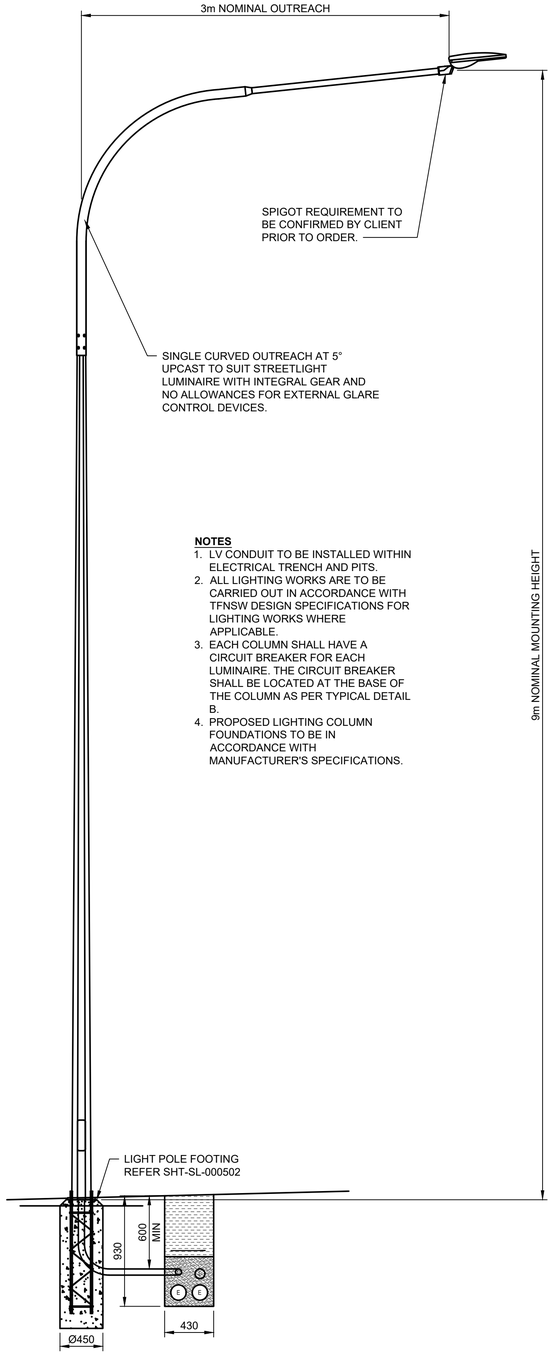
PROJECT NUMBER
60646285

SHEET TITLE
EROSION AND CONTROL SEDIMENT DETAILS

SHEET NUMBER
60646285-SHT-00-1000-CI-0901

Last saved by: SHON.WATAKABE (2022-04-29) Last Plotted: 2022-04-29
Filename: C:\PWWORKING\AECOM_DS10_AU\SHON.WATAKABE@AECOM.COM\D0312723\60646285-SHT-00-1000-CI-0901.DWG

ISO A1 594mm x 841mm



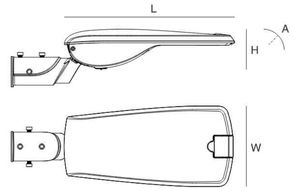
NOTES

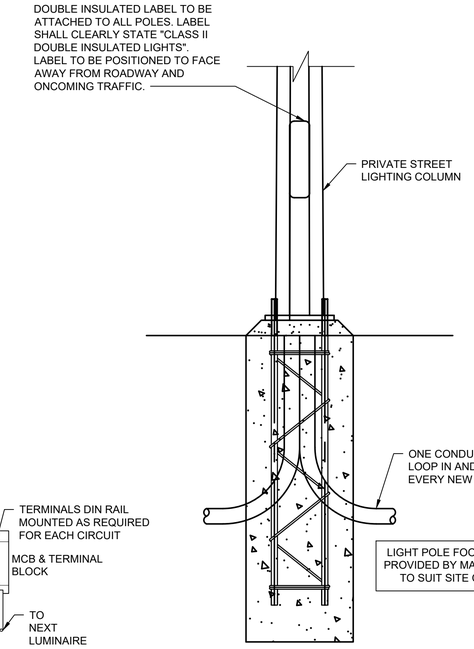
1. LV CONDUIT TO BE INSTALLED WITHIN ELECTRICAL TRENCH AND PITS.
2. ALL LIGHTING WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH TFNSW DESIGN SPECIFICATIONS FOR LIGHTING WORKS WHERE APPLICABLE.
3. EACH COLUMN SHALL HAVE A CIRCUIT BREAKER FOR EACH LUMINAIRE. THE CIRCUIT BREAKER SHALL BE LOCATED AT THE BASE OF THE COLUMN AS PER TYPICAL DETAIL B.
4. PROPOSED LIGHTING COLUMN FOUNDATIONS TO BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

TYPICAL LIGHT POLE FOOTING ELEVATION AND INDICATIVE TRENCH SECTION

SCALE NTS

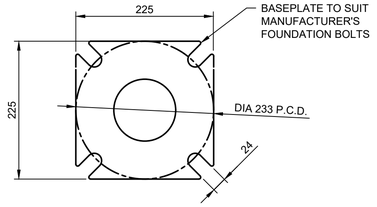
Luminaire Schedule

CODE	DESCRIPTION	MOUNTING	LAMPS			MANUFACTURER PART NUMBER	FINISH COLOUR	EQUIPMENT SIZE	IMAGE
			NUMBER	WATTAGE	TYPE				
A	9m single pole mounted light on single 3m outreach arm. 4000K colour temperature, IP66, IK08, Life time L70B10 65,000 hr. Luminaire to be supplied with 9m tapered pole complete with spigot to suit luminaire attachment, ragbolt assembly and all accessories to enable complete installation. Pole colour to match luminaire colour. Luminaire to have type 3 distribution. Luminaire to be supplied with termination/juction to suit double insulation. Electrical contractor to liaise with manfufacturer as required. Double insulated labelling shall be attached to all poles.	9m	1	30	LED	Milano Post-Top luminaire Class II luminaire MILANO-30W-GRY -C2 (16302122.C2)	GREY (RAL 9006)	All dimensions in mm  MILANO-15/30W L 465 A ±15˚ W 220 H 110	



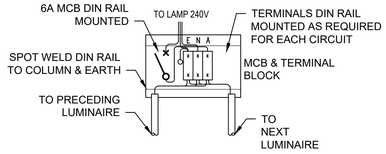
TYPICAL FOOTING SECTION

SCALE NTS



BASE PLATE DETAIL

SCALE NTS



DETAIL-B TYPICAL MCB & TERMINAL BLOCK

SCALE NTS

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PROJECT

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BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN

SCALE BAR

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
3	02.09.22	ISSUED FOR APPROVAL
2	29.04.22	ISSUED FOR TENDER
1	22.04.22	DRAFT TENDER COORDINATION

PROJECT NUMBER

60646285

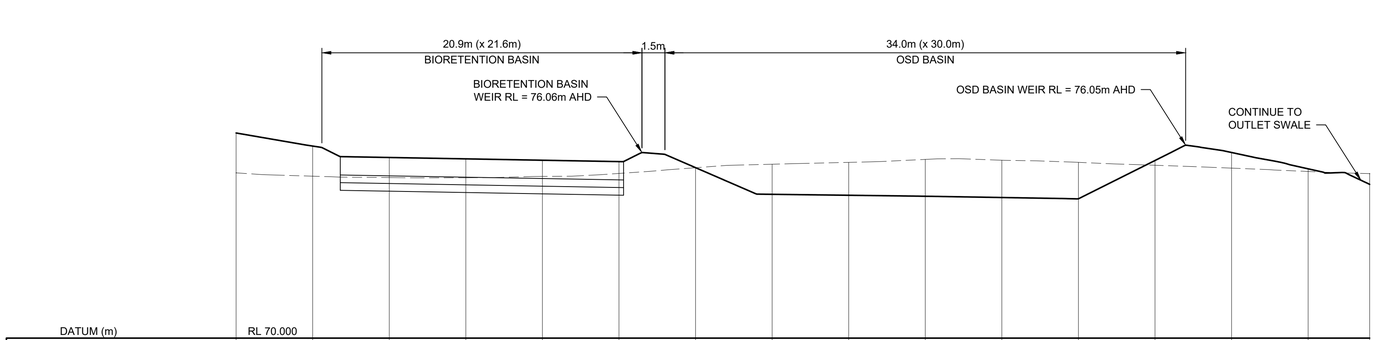
SHEET TITLE

STREET LIGHTING
TYPICAL DETAILS

SHEET NUMBER

60646285-SHT-00-1000-CI-0921

ISO A1 594mm x 841mm



DATUM (m) RL 70.000

FINISHED SURFACE LEVEL	76.695	76.268	75.895	75.851	75.806	75.761	75.563	74.693	74.662	74.630	74.589	74.547	75.797	76.058	75.525	75.019
EXISTING SURFACE LEVEL	75.39	75.29	75.24	75.23	75.28	75.37	75.56	75.68	75.74	75.83	75.81	75.74	75.64	75.55	75.44	75.37
CHAINAGE	0.000	5.000	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	55.000	60.000	65.000	70.000	74.017

SCALES: HORIZONTAL 1:200 VERTICAL 1:100

Last saved by: SHION.WATAKABE(2022-04-29) Last Plotted: 2022-04-29
Filename: C:\PWWORKING\AECOM_DS10_AU\SHION.WATAKABE@AECOM.COM\D0312723\60646285-SHT-00-1000-CI-0951.DWG

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CONSULTANT

AECOM Australia Pty Ltd
A.B.N 20 093 846 925
www.aecom.com

PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN

SCALE BAR

0 5 10 m H=1:200 V=1:100
0 2.5 5

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?
☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

CR	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

2	02.09.22	ISSUED FOR APPROVAL
1	29.04.22	ISSUED FOR TENDER
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60646285

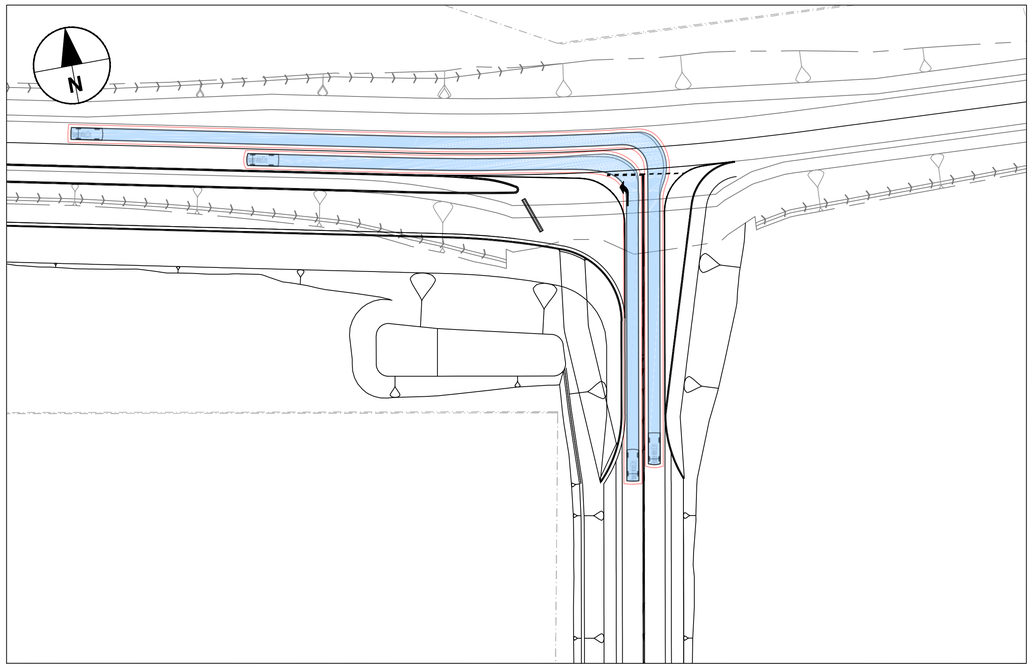
SHEET TITLE

DRAINAGE DETAILS

SHEET NUMBER

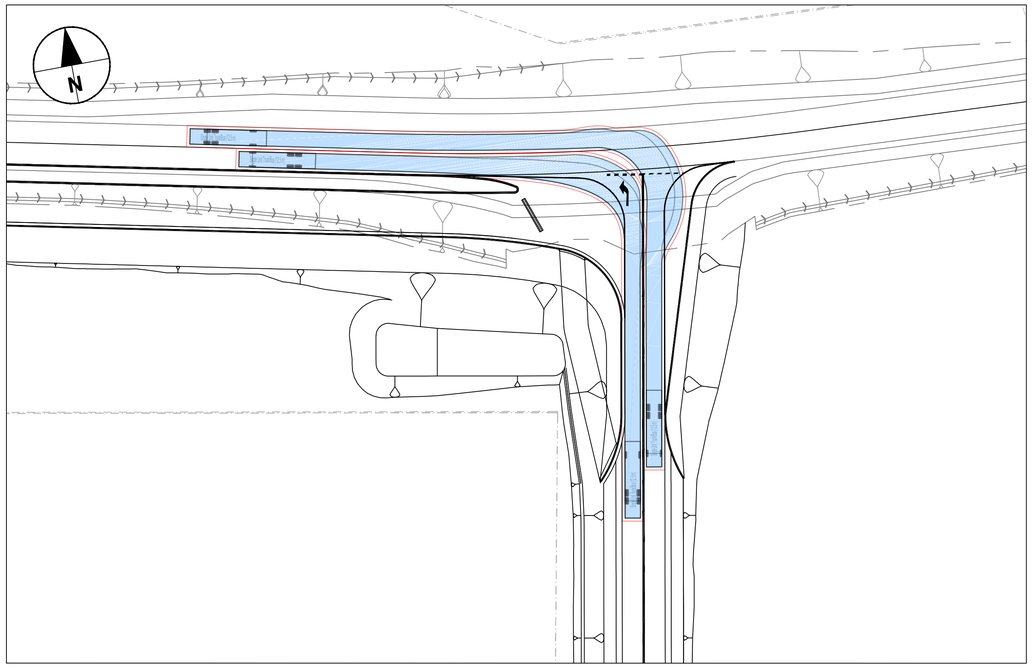
60646285-SHT-00-1000-CI-0951

ISO A1 594mm x 841mm



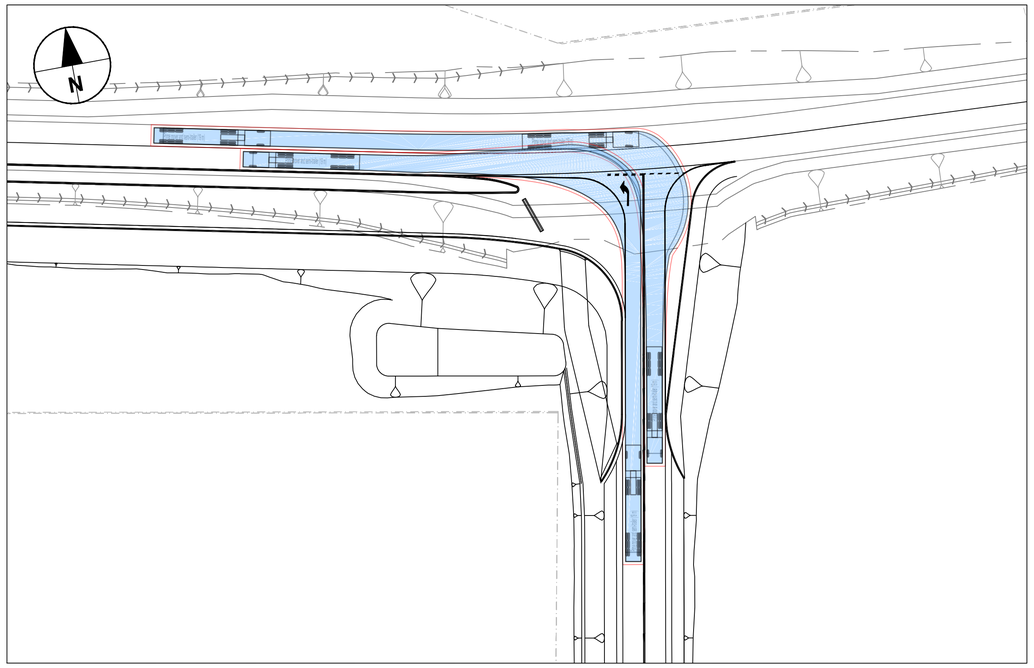
5.2m PASSENGER VEHICLE TURNING MOVEMENTS
METRO ACCESS TRACK AND ACCESS ROAD

SCALE 1:500



12.5m VEHICLE TURNING MOVEMENTS
METRO ACCESS TRACK AND ACCESS ROAD

SCALE 1:500



19m VEHICLE TURNING MOVEMENTS
METRO ACCESS TRACK AND ACCESS ROAD

SCALE 1:500

LEGEND

- INDICATES VEHICLE OVERHANG
- INDICATES WHEEL PATH
- INDICATES 500mm CLEARANCE FROM VEHICLE BODY



NOTES

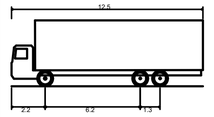
1. VEHICLE MOVEMENTS TRACKED AT 15km/h UNLESS NOTED OTHERWISE.

DESIGN VEHICLES



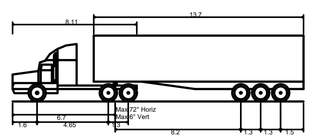
Passenger vehicle (5.2 m)	
Overall Length	5.200m
Overall Width	1.940m
Overall Body Height	1.804m
Min Body Ground Clearance	0.295m
Track Width	1.840m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	6.300m

5.2m PASSENGER VEHICLE



Single Unit Truck/Bus (12.5 m)	
Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.490m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

12.5m SINGLE UNIT TRUCK/BUS



Prime mover and semi-trailer (19 m)	
Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.540m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

19m PRIME MOVER AND SEMI-TRAILER

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CONSULTANT

AECOM Australia Pty Ltd
A.B.N 20 093 846 925
www.aecom.com

PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN



SCALE BAR

0 12.5 25 m
1:500

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	05.04.22	DRAFT TENDER COORDINATION
1	15.11.21	PRELIMINARY CONCEPT DESIGN
I/R	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

SHEET TITLE

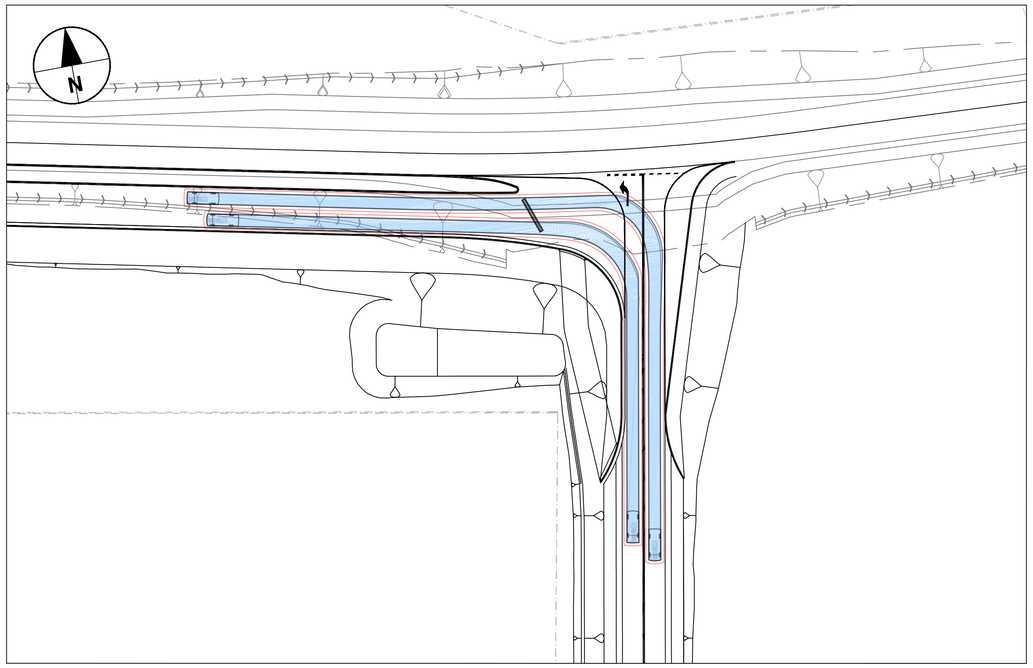
TURNING PATH PLAN
SHEET 01

SHEET NUMBER

60646285-SHT-00-1000-CI-0971

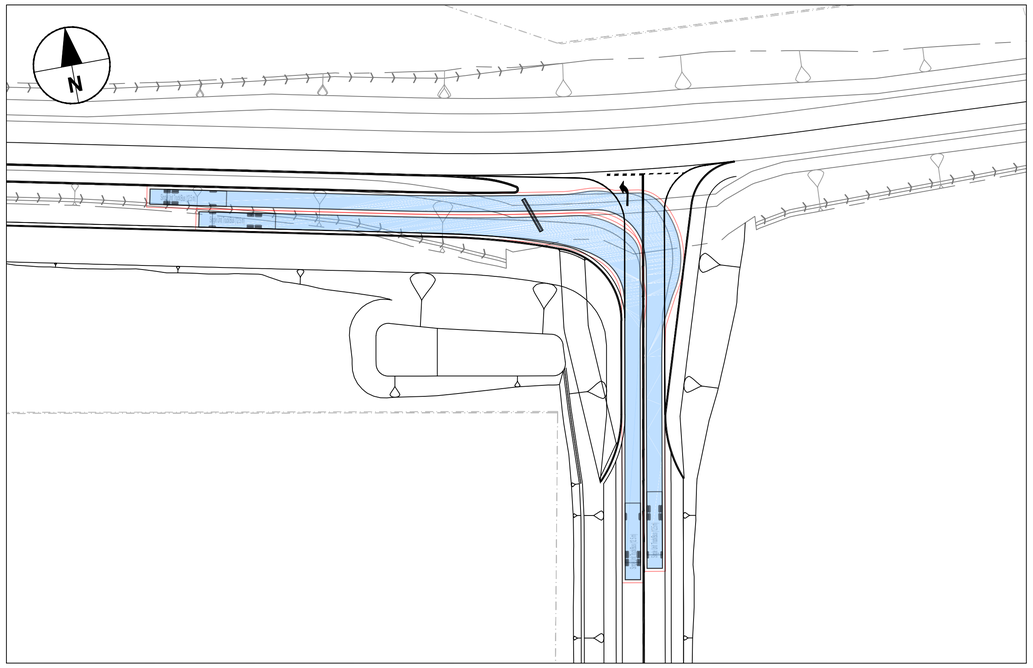
Last saved by: SHION.WATAKABE(2022-04-29) Last Plotted: 2022-04-29
Filename: C:\PWWORKING\AECOM_DS10_AU\SHION.WATAKABE@AECOM.COM\D031272\60646285-SHT-00-1000-CI-0971.DWG

ISO A1 594mm x 841mm



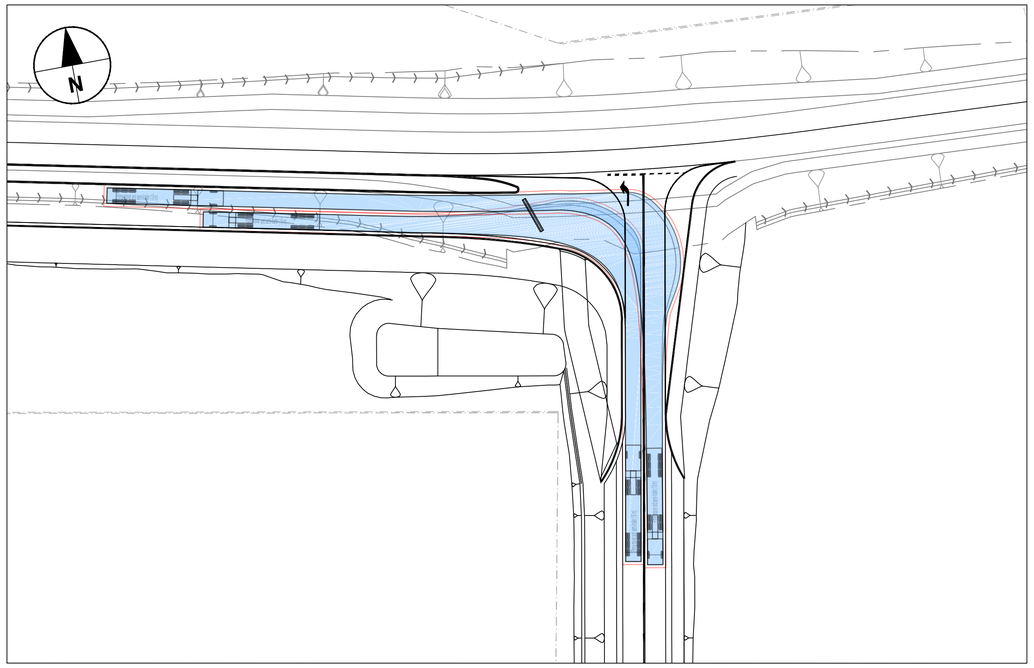
5.2m PASSENGER VEHICLE TURNING MOVEMENTS
CONSTRUCTION ROAD AND METRO ACCESS TRACK

SCALE 1:500



12.5m VEHICLE TURNING MOVEMENTS
CONSTRUCTION ROAD AND METRO ACCESS TRACK

SCALE 1:500



19m VEHICLE TURNING MOVEMENTS
CONSTRUCTION ROAD AND METRO ACCESS TRACK

SCALE 1:500

LEGEND

- INDICATES VEHICLE OVERHANG
- INDICATES WHEEL PATH
- INDICATES 500mm CLEARANCE FROM VEHICLE BODY



NOTES

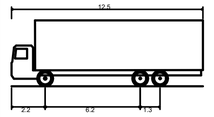
1. VEHICLE MOVEMENTS TRACKED AT 15km/h UNLESS NOTED OTHERWISE.

DESIGN VEHICLES



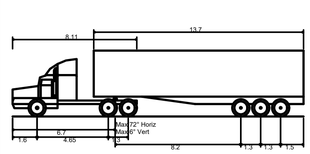
Passenger vehicle (5.2 m)	
Overall Length	5.200m
Overall Width	1.940m
Overall Body Height	1.804m
Min Body Ground Clearance	0.295m
Track Width	1.840m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	6.300m

5.2m PASSENGER VEHICLE



Single Unit Truck/Bus (12.5 m)	
Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.490m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

12.5m SINGLE UNIT TRUCK/BUS



Prime mover and semi-trailer (19 m)	
Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.540m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

19m PRIME MOVER AND SEMI-TRAILER

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CONSULTANT

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www.aecom.com

PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN



SCALE BAR

0 12.5 25 m
1:500

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	05.04.22	DRAFT TENDER COORDINATION
1	15.11.21	PRELIMINARY CONCEPT DESIGN
I/R	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

SHEET TITLE

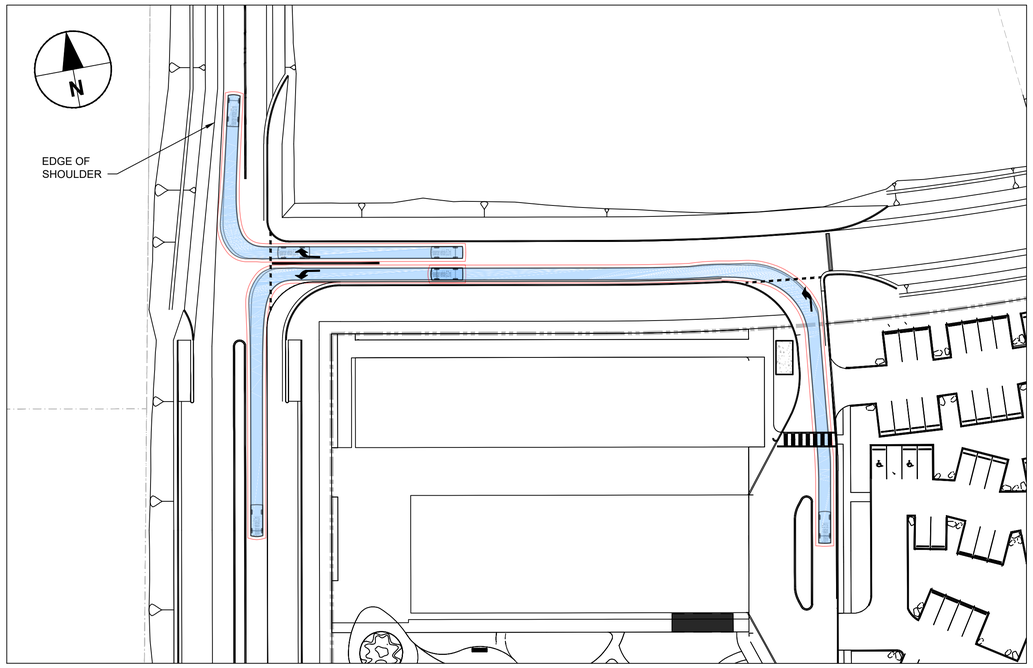
TURNING PATH PLAN
SHEET 02

SHEET NUMBER

60646285-SHT-00-1000-CI-0972

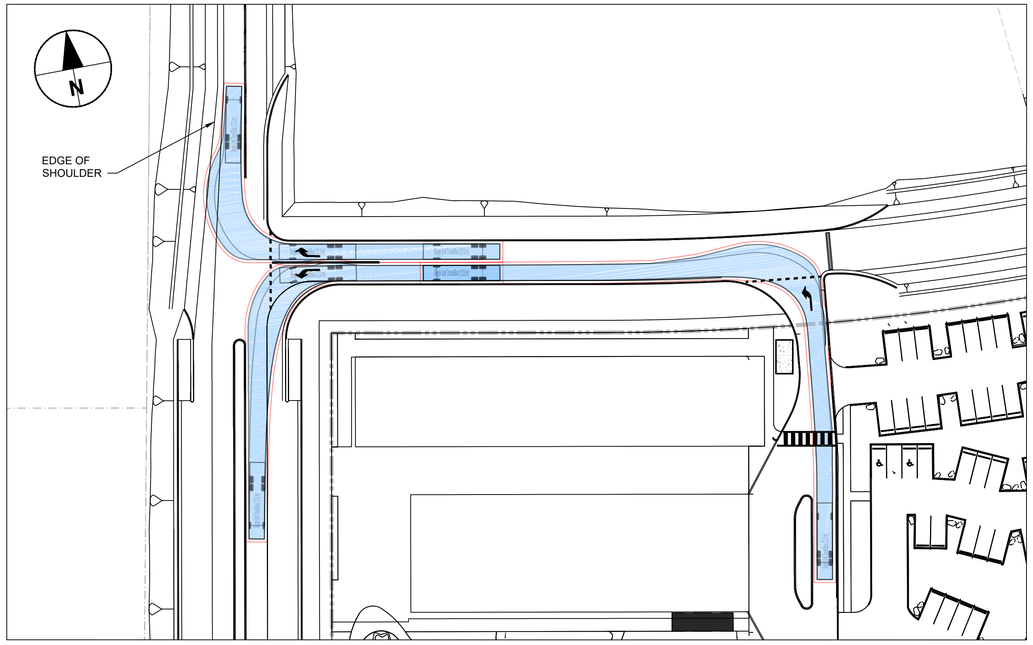
Last saved by: SHON.WATAKABE(2022-04-29) Last Plotted: 2022-04-29
Filename: C:\PWWORKING\AECOM_DS10_AU\SHON.WATAKABE@AECOM.COM\D031272\60646285-SHT-00-1000-CI-0972.DWG

ISO A1 594mm x 841mm



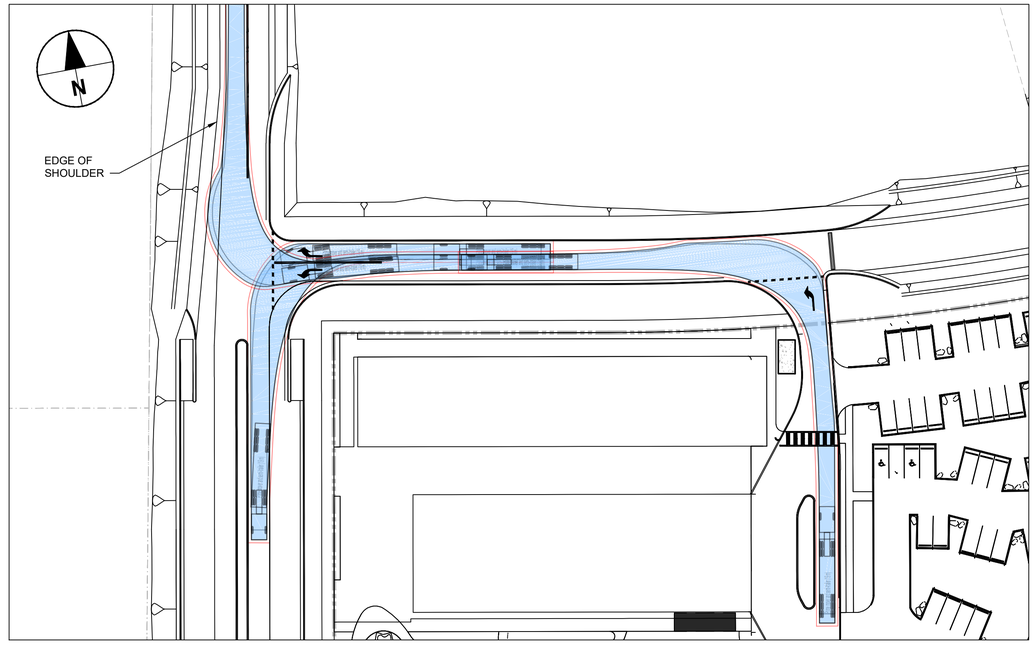
5.2m PASSENGER VEHICLE TURNING MOVEMENTS
15TH AVENUE AND ACCESS ROAD

SCALE 1:500



12.5m TRUCK TURNING MOVEMENTS
15TH AVENUE AND ACCESS ROAD

SCALE 1:500



19m TRUCK TURNING MOVEMENTS
15TH AVENUE AND ACCESS ROAD

SCALE 1:500

LEGEND

- INDICATES VEHICLE OVERHANG
- INDICATES WHEEL PATH
- INDICATES 500mm CLEARANCE FROM VEHICLE BODY



NOTES

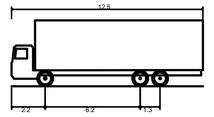
1. VEHICLE MOVEMENTS TRACKED AT 15km/h UNLESS NOTED OTHERWISE.

DESIGN VEHICLES



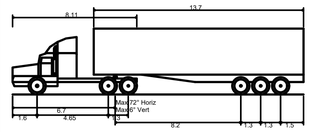
Passenger vehicle (5.2 m)	
Overall Length	5.200m
Overall Width	1.940m
Overall Body Height	1.804m
Min Body Ground Clearance	0.295m
Track Width	1.840m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	6.300m

5.2m PASSENGER VEHICLE



Single Unit Truck/Bus (12.5 m)	
Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.490m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

12.5m SINGLE UNIT TRUCK/BUS



Prime mover and semi-trailer (19 m)	
Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.540m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

19m PRIME MOVER AND SEMI-TRAILER

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AECOM

CONSULTANT

AECOM Australia Pty Ltd
A.B.N 20 093 846 925
www.aecom.com

PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN



SCALE BAR

0 12.5 25 m
1:500

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION
I/R	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

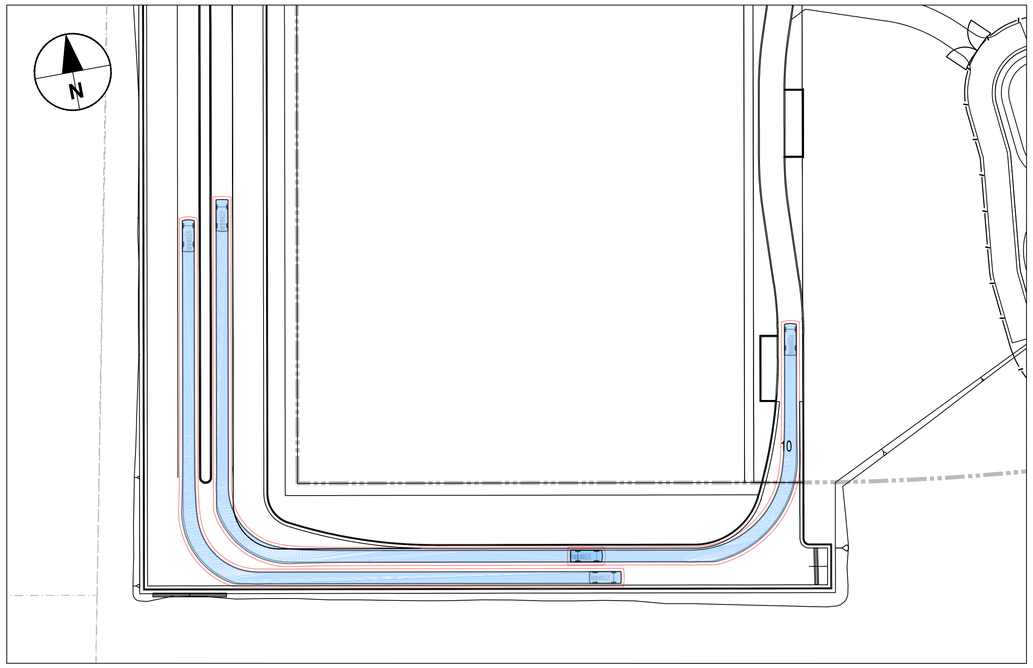
SHEET TITLE

TURNING PATH PLAN
SHEET 03

SHEET NUMBER

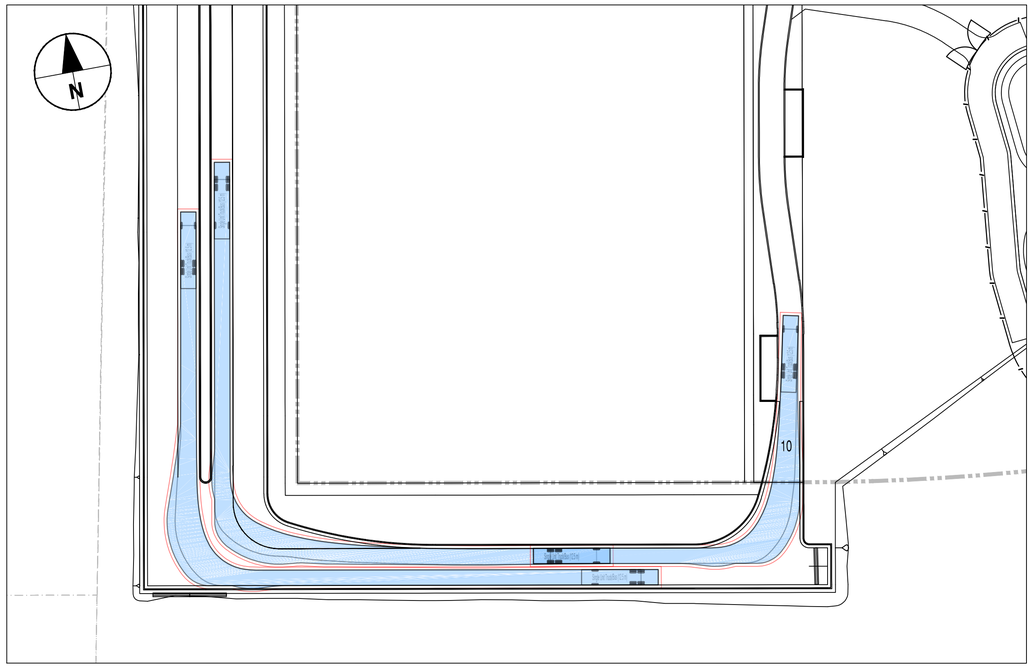
60646285-SHT-00-1000-CI-0973

ISO A1 594mm x 841mm



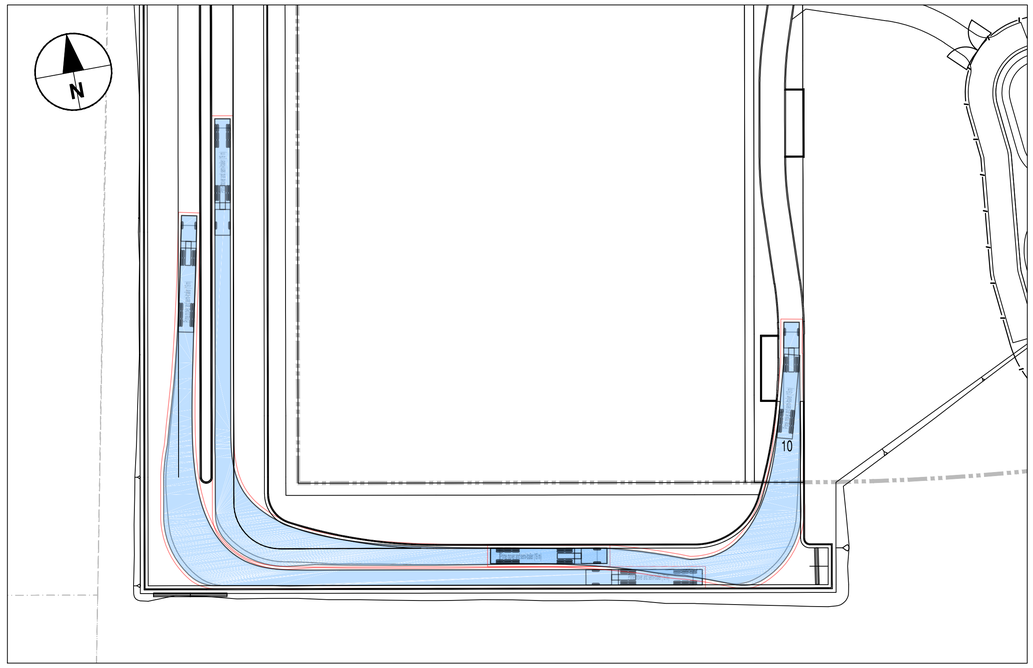
5.2m PASSENGER VEHICLE TURNING MOVEMENTS ACCESS TO FIRST BUILDING LOT

SCALE 1:500



12.5m TRUCK TURNING MOVEMENTS ACCESS TO FIRST BUILDING LOT

SCALE 1:500



19m TRUCK TURNING MOVEMENTS ACCESS TO FIRST BUILDING LOT

SCALE 1:500

LEGEND

- INDICATES VEHICLE OVERHANG
- INDICATES WHEEL PATH
- INDICATES 500mm CLEARANCE FROM VEHICLE BODY



NOTES

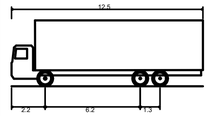
1. VEHICLE MOVEMENTS TRACKED AT 15km/h UNLESS NOTED OTHERWISE.

DESIGN VEHICLES



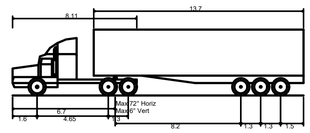
Passenger vehicle (5.2 m)	
Overall Length	5.200m
Overall Width	1.940m
Overall Body Height	1.804m
Min Body Ground Clearance	0.295m
Track Width	1.840m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	6.300m

5.2m PASSENGER VEHICLE



Single Unit Truck/Bus (12.5 m)	
Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.490m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

12.5m SINGLE UNIT TRUCK/BUS



Prime mover and semi-trailer (19 m)	
Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.540m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

19m PRIME MOVER AND SEMI-TRAILER

Last saved by: SHION.WATAKABE(2022-04-29) Last Plotted: 2022-04-29
Filename: C:\PW\WORKING\AECOM_DS10_AU\SHION.WATAKABE@AECOM.COM\D0312723\60646285-SHT-00-1000-CI-0974.DWG

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AECOM

CONSULTANT

AECOM Australia Pty Ltd
A.B.N 20 093 846 925
www.aecom.com

CLIENT

NSW GOVERNMENT Western Parkland City Authority

KEY PLAN



SCALE BAR

0 12.5 25 m
1:500

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
4	02.09.22	ISSUED FOR APPROVAL
3	29.04.22	ISSUED FOR TENDER
2	22.04.22	DRAFT TENDER COORDINATION
1	05.04.22	DRAFT TENDER COORDINATION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

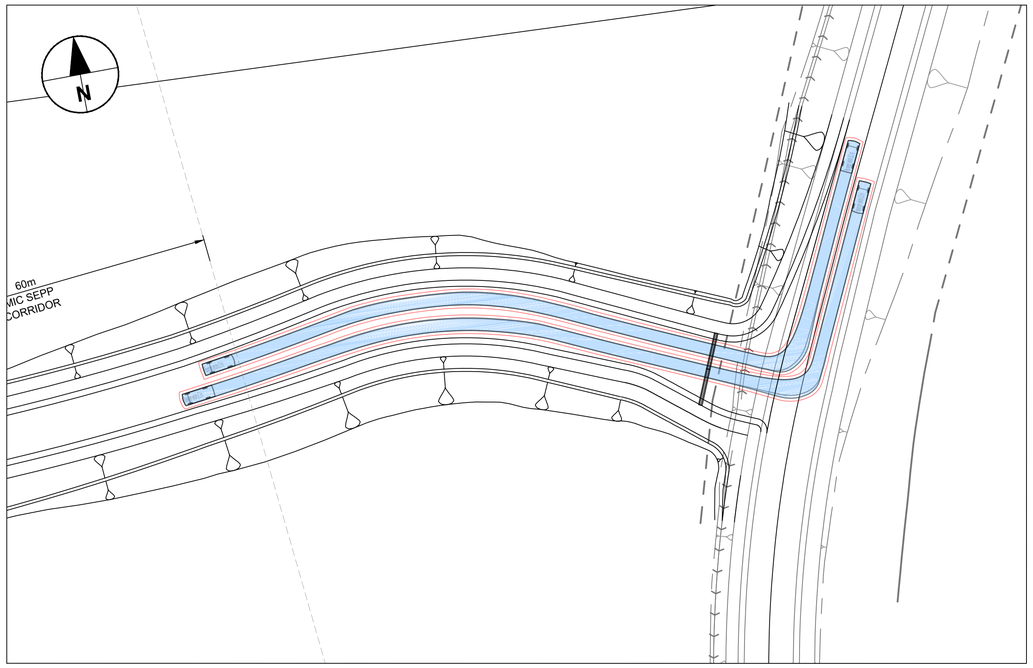
SHEET TITLE

TURNING PATH PLAN
SHEET 04

SHEET NUMBER

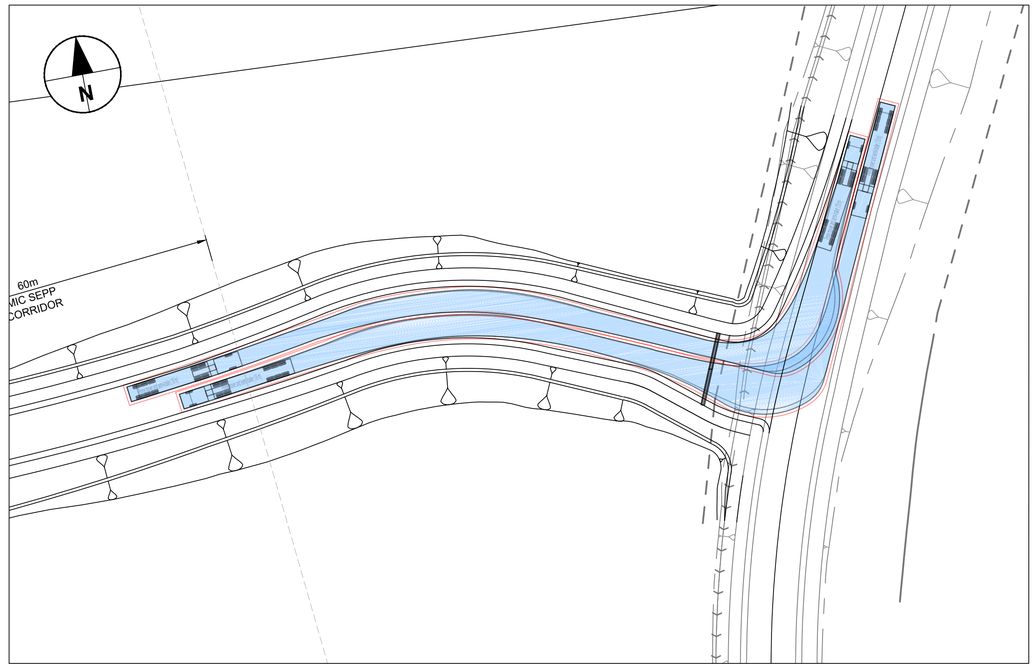
60646285-SHT-00-1000-CI-0974

ISO A1 594mm x 841mm



5.2m PASSENGER VEHICLE TURNING MOVEMENTS
METRO ROAD AND TEMPORARY CONSTRUCTION EXTENSION

SCALE 1:500



19m PRIME MOVER ANS SEMI TRAILER
METRO ROAD AND TEMPORARY CONSTRUCTION EXTENSION

SCALE 1:500

LEGEND

- INDICATES VEHICLE OVERHANG
- INDICATES WHEEL PATH
- INDICATES 500mm CLEARANCE FROM VEHICLE BODY



NOTES

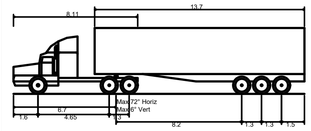
1. VEHICLE MOVEMENTS TRACKED AT 15km/h UNLESS NOTED OTHERWISE.

DESIGN VEHICLES



Passenger vehicle (5.2 m)	
Overall Length	5.200m
Overall Width	1.940m
Overall Body Height	1.804m
Min Body Ground Clearance	0.295m
Track Width	1.840m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	6.300m

5.2m PASSENGER VEHICLE



Prime mover and semi-trailer (19 m)	
Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.540m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

19m PRIME MOVER AND SEMI-TRAILER

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Filename: C:\PWWORKING\AECOM_DS10_AU\SHION.WATAKABE@AECOM.COM\D0312723\60646285-SHT-00-1000-CI-0975.DWG

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 AECOM quality assurance system to ISO 9001-2000.

AECOM

CONSULTANT

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PROJECT

AEROTROPOLIS
CORE PRECINCT
BRINGELLY

CLIENT

NSW GOVERNMENT | Western Parkland City Authority

KEY PLAN



SCALE BAR

0 12.5 25 m
1:500

SAFETY IN DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	JM	GAR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AHD	SURVEY	GDA94/MGA56

ISSUE/REVISION

I/R	DATE	DESCRIPTION
3	02.09.22	ISSUED FOR APPROVAL
2	29.04.22	ISSUED FOR TENDER
1	22.04.22	DRAFT TENDER COORDINATION

NOT FOR CONSTRUCTION

PROJECT NUMBER

60646285

SHEET TITLE

TURNING PATH PLAN
SHEET 05

SHEET NUMBER

60646285-SHT-00-1000-CI-0975