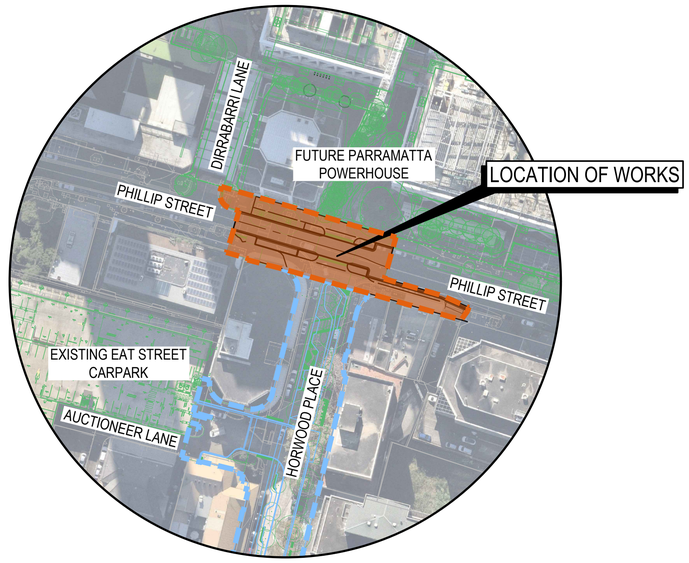
PARRAMATTA CIVIC LINK - PHILLIP STREET WORKS

100% DETAILED DESIGN

CITY OF PARRAMATTA

DRAWING SCHEDULE

DRAWING NUMBER	DESCRIPTION
GENERAL	
CL3-AAP-DD-PS-DRG-CI-0001	COVER SHEET AND DRAWING LIST
CL3-AAP-DD-PS-DRG-CI-0021	GENERAL NOTES
CL3-AAP-DD-PS-DRG-CI-0061	GENERAL ARRANGEMENT PLAN
CL3-AAP-DD-PS-DRG-CI-0081	DEMOLITION PLAN
EARTHWORKS	
CL3-AAP-DD-PS-DRG-CI-0101	EARTHWORKS PLAN
CL3-AAP-DD-PS-DRG-CI-0121	EARTHWORKS SITE SECTIONS
CL3-AAP-DD-PS-DRG-CI-0171	EROSION AND SEDIMENT CONTROL PLAN
CL3-AAP-DD-PS-DRG-CI-0191	EROSION AND SEDIMENT CONTROL DETAILS
ROADWORKS AND DRAINAGE	
CL3-AAP-DD-PS-DRG-CI-0201	CIVIL WORKS PLAN
CL3-AAP-DD-PS-DRG-CI-0221	ROAD CONTROL SETOUT PLAN
CL3-AAP-DD-PS-DRG-CI-0241	TYPICAL ROAD SECTIONS
CL3-AAP-DD-PS-DRG-CI-0251	ROAD LONGITUDINAL SECTIONS
CL3-AAP-DD-PS-DRG-CI-0281	ROAD CROSS SECTIONS
CL3-AAP-DD-PS-DRG-CI-0311	KERB RETURNS SHEET 1
CL3-AAP-DD-PS-DRG-CI-0312	KERB RETURNS SHEET 2
CL3-AAP-DD-PS-DRG-CI-0341	PAVEMENT PLAN
CL3-AAP-DD-PS-DRG-CI-0351	SIGNAGE AND LINE MARKING PLAN
CL3-AAP-DD-PS-DRG-CI-0361	CIVIL WORKS DETAILS SHEET 1
CL3-AAP-DD-PS-DRG-CI-0362	CIVIL WORKS DETAILS SHEET 2
CL3-AAP-DD-PS-DRG-CI-0401	STORMWATER PLAN
CL3-AAP-DD-PS-DRG-CI-0421	CATCHMENT PLAN
CL3-AAP-DD-PS-DRG-CI-0441	STORMWATER LONGITUDINAL SECTIONS
CL3-AAP-DD-PS-DRG-CI-0471	PIT SCHEDULE
CL3-AAP-DD-PS-DRG-CI-0481	STORMWATER DETAILS SHEET 1
CL3-AAP-DD-PS-DRG-CI-0482	STORMWATER DETAILS SHEET 2
CL3-AAP-DD-PS-DRG-CI-0483	STORMWATER DETAILS SHEET 3
SERVICES	
CL3-AAP-DD-PS-DRG-CI-0501	COMBINED UTILITIES PLAN
CL3-AAP-DD-PS-DRG-CI-0511	UTILITIES REGISTER PLAN
CL3-AAP-DD-PS-DRG-CI-0521	UTILITIES REGISTER
CL3-AAP-DD-PS-DRG-CI-0701	LIGHTING PLAN
CL3-AAP-DD-PS-DRG-CI-0711	LIGHTING DETAILS SHEET 1
CL3-AAP-DD-PS-DRG-CI-0712	LIGHTING DETAILS SHEET 2
CL3-AAP-DD-PS-DRG-CI-0713	LIGHTING DETAILS SHEET 3
CL3-AAP-DD-PS-DRG-CI-0714	LIGHTING DETAILS SHEET 4
CL3-AAP-DD-PS-DRG-CI-0715	LIGHTING DETAILS SHEET 5
CL3-AAP-DD-PS-DRG-CI-0721	LIGHTING SCHEDULE
CL3-AAP-DD-PS-DRG-CI-0731	ISOLUX PLAN



Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

Scales

0 10 20 40 60 80 100m

1 : 1000

100mm on Original

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	L. CORSCADDEN	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: COVER SHEET AND DRAWING LIST

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Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0001

Issue: 03

Date Plotted: 3 Oct 2025 - 06:00pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0001-CoverSheetAndDrawingList.dwg

GENERAL

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH RELEVANT AUSTRALIAN STANDARDS, OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED, DRAWINGS SUCH AS:
   - ASP3 A536471_ARP6198_Retic
   - OCULUS LANDSCAPE DRAWINGS
   - ASSOCIATED HORWOOD PLACE PACKAGES/DRAWINGS
2. ANY DISCREPANCIES OR OMISSIONS SHALL BE REFERRED TO THE SUPERINTENDENT FOR A DECISION BEFORE PROCEEDING WITH THE WORK.
3. ALL WORKMANSHIP AND MATERIALS SHALL COMPLY WITH THE BUILDING CODE OF AUSTRALIA AS AMENDED AND THE APPROPRIATE AND CURRENT AUSTRALIAN STANDARDS.
4. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
5. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE DRAWINGS.
6. ALL DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED ON SITE BY THE BUILDER PRIOR TO CONSTRUCTION OR FABRICATION.
7. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH CITY OF PARRAMATTA COUNCIL ENGINEERING DESIGN FOR DEVELOPMENT GUIDELINES, ENGINEERING CONSTRUCTION CODE AND STANDARD DRAWINGS. WHERE DISCREPANCIES OCCUR THE MORE STRINGENT SPECIFICATION WILL TAKE PRECEDENCE.
8. THE CONTRACTOR SHALL LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION AND SHALL MAKE ALL NECESSARY ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE OR ADJUST AS REQUIRED. ALL COSTS TO BE BORNE BY THE APPLICANT. ADDITIONALLY WHERE DIRECTED BY AUTHORITY, CCTV SHOULD BE COMPLETED TO ASSESS CURRENT CONDITION OF ASSETS AND ALLOW AUTHORITY AN OPPORTUNITY TO INCLUDE REPLACEMENT AS A PART OF SCOPE.
9. THE CONTRACTOR SHALL NOT ENTER UPON OR DO ANY WORK WITHIN ADJACENT LAND WITHOUT PRIOR WRITTEN PERMISSION OF THE LAND OWNER.
10. THE CONTRACTOR SHALL PROVIDE MINIMUM 48 HOURS NOTICE TO THE PRINCIPAL FOR ALL INSPECTIONS.
11. ALL CIVIL ENGINEERING DEVELOPMENT WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE COUNCIL APPROVED WORKS CERTIFICATE CIVIL ENGINEERING DESIGN DRAWINGS. THE CIVIL ENGINEERING DESIGN DRAWINGS TAKE PRECEDENCE OVER ANY CIVIL DESIGN MODELS THAT MAY BE SUPPLIED TO THE CONTRACTOR DURING THE CONSTRUCTION PHASES.

SITEWORKS NOTES

1. ORIGIN OF LEVELS:- REFER SURVEY NOTES.
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO THE SUPERINTENDENT.
3. MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
4. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
5. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED IN ACCORDANCE WITH CITY OF PARRAMATTA ENGINEERING DESIGN FOR DEVELOPMENT GUIDELINES AND HS3 BEDDING OR RELEVANT AUTHORITY STANDARD.
6. ALL BASE COURSE MATERIAL SHALL BE COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1.
7. ALL SUB-BASE COURSE MATERIAL SHALL BE COMPACTED TO MINIMUM 100% SUBGRADE AND DENSITY IN ACCORDANCE WITH CITY OF PARRAMATTA COUNCIL CONSTRUCTION OF SUBDIVISIONAL ROADS AND DRAINAGE WORKS SPECIFICATION AND A.S 1289 5.2.1. BEFORE PLACING FILL, PROOF ROLL EXPOSED SUBGRADE WITH AN 12 TONNE (MIN) DEADWEIGHT SMOOTH DRUM NON-VIBRATORY ROLLER TO DETECT THEN REMOVE SOFT SPOTS (AREAS WITH MORE THAN 2mm MOVEMENT UNDER ROLLER). SOFT SPOTS ARE TO BE REPLACED WITH SUITABLE SELECT FILL FOR A DEPTH OF AT LEAST 0.5m OR AS ADVISED BY THE GEOTECHNICAL ENGINEER.
8. SELECT MATERIAL FOR BACKFILLING SHALL BE GRANULAR MATERIAL WHICH IS NATURALLY OCCURRING, HAVING A PARTICLE SIZE DISTRIBUTION, DETERMINED IN ACCORDANCE WITH AS 1289. 3.6.1. SELECT MATERIAL CAN BE CRUSHED ROCK, NATURAL SOIL, GRAVEL AND SAND, OR OTHER APPROVED GRANULAR MATERIAL CONSISTING OF CLEAN, SOUND, DURABLE FRAGMENTS, FREE FROM ORGANIC MATTER FROM AN APPROVED SOURCE. GRADING LIMITS FOR SELECT FILL SHALL BE IN ACCORDANCE WITH AS 3725 AND CITY OF PARRAMATTA COUNCIL ENGINEERING DESIGN FOR DEVELOPMENT GUIDELINES.
9. ALL FREQUENCY OF COMPACTION TESTING SHALL BE IN ACCORDANCE WITH CITY OF PARRAMATTA COUNCIL ENGINEERING OR RELEVANT AUSTRALIAN STANDARDS.
10. FILL MATERIAL SHALL BE SPREAD IN LAYERS MAXIMUM 300mm THICK AND COMPACTED TO SPECIFICATION.
11. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (e.g. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.

KERB AND GUTTER NOTES

1. ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 32MPa U.N.O IN REINFORCED CONCRETE NOTES.
2. ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON MIN. 175mm DGB20 COMPACTED TO MINIMUM 98% MODIFIED DRY DENSITY (AS 1289 5.2.1).
3. EXPANSION JOINTS (E.J) TO BE FORMED FROM 12mm COMPRESSIBLE JOINT FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX 6m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
4. WEAKENED PLANE JOINTS TO BE 3mm TO 5mm WIDE AND LOCATED AT 900mm CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
5. LIGHT BROOM FINISH TO ALL FOOTPATHS, PRAM RAMPS AND DRIVEWAYS.
6. IN THE REPLACEMENT OF KERB AND GUTTER :-
   EXISTING ROAD PAVEMENT IS TO BE SAWCUT 900mm U.N.O FROM THE LIP OF GUTTER. UPON COMPLETION OF THE NEW KERB AND GUTTER NEW BASECOURSE AND SURFACE TO BE LAID 900mm WIDE U.N.O.
7. EXISTING KERB AND GUTTER IS TO BE COMPLETELY REMOVED WHERE NEW KERB AND GUTTER IS SHOWN.

STREET FURNITURE

1. ALL SIGNAGE TO BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE TfNSW REGULATORY SIGNS MANUAL.
2. FOR LAMP COLUMNS REFER TO DRAWINGS CL3-AAP-DD-PS-DRG-CI-0701 FOR THE PLAN AND CL3-AAP-DD-PS-DRG-CI-0711 TO 0721 FOR THE DETAILS.

SURVEY NOTES

1. DETAILED GROUND SURVEY WITHIN THE SITE AND BOUNDARIES WERE SUPPLIED BY SURVEYPLUS.
2. DETAILED UTLITIES AND STORMWATER SURVEY WITHIN THE SITE AND BOUNDARIES WERE SUPPLIED BY DURKIN.
3. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. ARCADIS DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.
4. SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT ARCADIS.

MARK ADOPTED: NAIL IN KERB
COORDINATES: MGA ZONE 56 (GDA2020)
E: 315379.633
N: 6256837.162
RL: 6.77 (AHD)

TRAFFIC CONTROL NOTES

1. A TRAFFIC CONTROL PLAN IF REQUIRED IS TO BE PREPARED AND LODGED WITH COUNCIL BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.

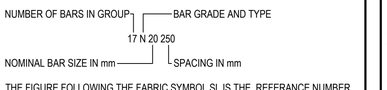
CONCRETE NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS AND CITY OF PARRAMATTA COUNCIL ENGINEERING DESIGN FOR DEVELOPMENT GUIDELINES.
2. CONCRETE QUALITY:
   ALL REQUIREMENTS OF THE CURRENT AUSTRALIAN STANDARD SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

ELEMENT	AS3600 F'c MPa AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
VEHICULAR BASE	25	80	20
KERBS, PATHS AND PITS	25	80	20
DRAINAGE PITS	32	80	20
RETAINING WALL FOOTING	32	80	20
IN CONTACT WITH SALTWATER	40	80	20
IN CONTACT WITH ACID SULFATE SOIL	50	80	20

- CEMENT TYPE SHALL BE (AS 3600) TYPE SL
- CEMENT TYPE SHALL BE TYPE SR FOR ALL ELEMENTS IN CONTACT WITH ACID SULFATE SOIL
- PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1379.

3. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY ARCADIS.
4. CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 50mm TOP AND 70mm FOR EXTERNAL EDGES UNLESS NOTED OTHERWISE.
5. ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1m CENTRES BOTH WAYS. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS.
6. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED AND CURED IN ACCORDANCE WITH RMS SPECIFICATION R83.
7. REINFORCEMENT SYMBOLS:
   N - DENOTES GRADE 450 N BARS TO AS 4671 GRADE N
   R - DENOTES 230 R HOT ROLLED PLAIN BARS TO AS 4671
   SL - DENOTES HARD-DRAWN WIRE REINFORCING FABRIC TO AS 4671



   THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE REFERANCE NUMBER FOR FABRIC TO AS 4671.
8. REINFORCEMENT SHOULD HAVE THE FOLLOWING MINIMUM COVER:
   - 50mm MINIMUM (AS PER CITY OF PARRAMATTA COUNCIL SPECIFICATIONS)
   - 50mm FOR CONCRETE CAST IN CONTACT WITH EARTH OR FRESH WATER
   - 55mm FOR CONCRETE CAST IN CONTACT WITH SALTWATER
   - 65mm FOR CONCRETE CAST IN CONTACT WITH ACID SULFATE SOIL
   - AS NOTED ON DESIGN DRAWINGS AND DETAILS
9. FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:

JOINTING NOTES

PEDESTRIAN PAVEMENT JOINTS

1. ALL PEDESTRIAN PAVEMENTS ARE TO BE JOINTED IN ACCORDANCE WITH CITY OF PARRAMATTA COUNCIL STANDARD DRAWING DS40.
2. WHERE POSSIBLE JOINTS SHOULD BE LOCATED TO MATCH KERBING AND OR ADJACENT PAVEMENT JOINTS.
3. PEDESTRIAN PAVEMENT JOINT LOCATIONS TO BE CONFIRMED BY PAVEMENT DESIGN FOLLOWING IN-SITU MATERIAL TESTING AND CITY OF PARRAMATTA COUNCIL ENGINEERING DESIGN CODE.
4. REFER TO LANDSCAPE ARCHITECTS PLANS FOR ALL OTHER PEDESTRIAN PAVEMENT JOINT SPECIFICATIONS.

PAVEMENT NOTES:

1. PAVEMENT IS TO BE INSTALLED IN ACCORDANCE WITH CITY OF PARRAMATTA COUNCIL DCP GUIDELINES DRAWING DS40.
2. SUBSOIL DRAINAGE TO BE PROVIDED IN ACCORDANCE WITH CITY OF PARRAMATTA COUNCIL DCP GUIDELINES DRAWING DS33.

TELSTRA - DUTY OF CARE NOTE

1. 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
2. TELSTRA PLANT MUST FIRST BE PHYSICALLY EXPOSED BY SOFT DIG POTHOLING TO IDENTIFY ITS LOCATION TELSTRA WILL SEEK COMPENSATION FOR DAMAGES CAUSED TO ITS PROPERTY AND LOSSES CAUSED TO TELSTRA AND ITS CUSTOMERS.

EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

1. THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE IMPLEMENTED AND MAINTAINED TO SUIT THE CONSTRUCTION STAGING AND METHODOLOGY AND THE SITE AND WEATHER CONDITIONS AT THE TIME.
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
   2.1. LOCAL AUTHORITY REQUIREMENTS
   2.2. EPA REQUIREMENTS
   2.3. LANDCOM MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
3. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
4. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS OR THE STORMWATER OUTLET PITS AND PIPES HAVE BEEN CONSTRUCTED.
5. CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.

LAND DISTURBANCE

6. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE.

EROSION CONTROL

7. DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
8. SITE STABILISATION BY APPLICATION OF SEEDED HYDROMULCH WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 14 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.
9. STAGE CONSTRUCTION WORKS TO RESTRICT AREAS OF WORKS TO LESS THAN 2,500m².

SEDIMENT CONTROL

10. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.
11. CONTRACTOR TO DESIGN AND MANAGE ALL OF THE STOCKPILE REQUIREMENTS.
12. CONTRACTOR TO CONSIDER CONSTRUCTION ENVIRONMENTAL MANAGEMENT REPORT. ANY PROTECTED TREES TO BE REMOVED SHALL BE CONSULTED WITH THE ARBORIST.
13. WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
14. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

OTHER MATTERS

15. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
16. ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN MUST BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY: (A) PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE.

    (A) PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE.

    (B) ENSURING THAT NOTHING IS NAILED TO THEM.

    (C) PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS:

    (A.1) ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 1.5 METRES OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICH EVER IS THE GREATER.

    (A.1) A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (E.G. A GRAVEL BED) IS PLACED UNDER ALL FILL LAYERS OF MORE THAN 300 MILLIMETERS DEPTH.

    (A.2) CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

EXISTING UNDERGROUND SERVICES NOTES

1. THE LOCATIONS OF UNDERGROUND SERVICES SHOWN IN THIS SET OF DRAWINGS HAVE BEEN PLOTTED FROM SURVEY INFORMATION AND SERVICE AUTHORITY INFORMATION. THE SERVICE INFORMATION HAS BEEN PREPARED ONLY TO SHOW THE APPROXIMATE POSITIONS OF ANY KNOWN SERVICES AND MAY NOT BE AS CONSTRUCTED OR ACCURATE. ARCADIS CAN NOT GUARANTEE THAT THE SERVICES INFORMATION SHOWN ON THESE DRAWINGS ACCURATELY INDICATES THE PRESENCE OR ABSENCE OF SERVICES OR THEIR LOCATION AND WILL ACCEPT NO LIABILITY FOR INACCURACIES IN THE SERVICES INFORMATION SHOWN FROM ANY CAUSE WHATSOEVER.
2. CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY.
3. CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.
4. CONTRACTORS ARE TO UNDERTAKE A SERVICES SEARCH, PRIOR TO COMMENCEMENT OF WORKS ON SITE. SEARCH RESULTS ARE TO BE KEPT ON SITE AT ALL TIMES.

STORMWATER DRAINAGE NOTES

1. STORMWATER DESIGN CRITERIA:
   ROAD DRAINAGE
   20 YEAR ARI MINOR STORM EVENT
   100 YEAR ARI MAJOR STORM EVENT
2. ALL STORMWATER DRAINAGE INFRASTRUCTURE TO BE CONSTRUCTED IN ACCORDANCE WITH RELEVANT CITY OF PARRAMATTA COUNCIL STANDARDS.
3. REINFORCED CONCRETE CLASS '2' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS UNLESS NOTED OTHERWISE.
4. REINFORCED BOX CULVERTS TO BE EXPOSURE CLASS C2.
5. PIPES UP TO 300mm DIA SHALL BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION.
6. ALL STORMWATER TRENCHES AND BEDDING SHALL BE BACKFILLED IN ACCORDANCE WITH CITY OF PARRAMATTA COUNCIL ENGINEERING DESIGN DEVELOPMENT.
7. ALL INTERNAL STORMWATER DRAINAGE WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 AND AS/NZS 3500 3.2.
8. PRECAST PITS ARE NOT PERMITTED IN PUBLIC ROADS. ALL OTHER PRECAST PITS SUBJECT TO CITY OF PARRAMATTA COUNCIL APPROVAL.
9. ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
10. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
11. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
12. GRATES AND COVERS SHALL CONFORM TO AS 3996.
13. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
14. ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDENT/ENGINEER FOR FURTHER DIRECTIONS.
15. STEP IRONS ARE TO BE PROVIDED IN ALL PITS DEEPER THAN 1.0m IN ACCORDANCE WITH CITY OF PARRAMATTA COUNCIL ENGINEERING SPECIFICATIONS AND STANDARD DRAWING DS19.
16. MINIMUM PIPE SIZE WITHIN ROAD RESERVE TO BE 375mm DIAMETER. UNLESS CONTROLLED BY CONNECTION TO EXISTING PIPES.
17. MINIMUM INTERALLOTMENT DRAINAGE PIPE SIZE SHALL BE 150mm DIAMETER.
18. CCTV ALL PIPES AFTER CONSTRUCTION AND PRIOR TO PRACTICAL COMPLETION. THIS INCLUDES ALL EXISTING PIPES THAT ARE TO BE RETAINED.
19. PIPES ARE DESIGNED FOR OPERATIONAL LOADS ONLY. APPROPRIATE MEASURES SHOULD BE TAKEN TO PROTECT PIPES DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED PIPE.
20. ALL DIRECT CONNECTIONS TO BE MINIMUM 150mm DIAMETER PVC PIPEWORK, LAID AT MINIMUM 1.0% GRADE FROM POINT OF CONNECTION.
21. ALL DIRECT CONNECTIONS TO STORMWATER IN LANEWAYS SHOULD HAVE 150mm CONCRETE SURROUND UNDER GARAGE STRUCTURES AND UP TO CONNECTION INTO STORMWATER PIPE LOCATED IN LANEWAYS.
22. PREFABRICATED PITS TO COME FROM A QUALITY ASSURED SUPPLIER. CONTRACTOR TO INSPECT PITS WHEN DELIVERED TO SITE PRIOR TO INSTALLATION. ONLY THE DESIGNED KNOCKOUT AREAS TO BE USED FOR PIPE ENTRIES. ANY CRACKS IN PITS OR EVIDENCE THAT CONTRACTOR HAS EXTENDED THE KNOCKOUT AREA SHALL RENDER THE PIT UNACCEPTABLE. IT IS RECOMMENDED TO SAW CUT THE KNOCK OUT AREA WHEN CREATING THE OPENING IN THE PIT FOR THE PIPE TO MINIMISE POTENTIAL DAMAGE TO PIT.
23. CONTRACTOR TO CCTV STORMWATER DRAINAGE NO SOONER THAN AFTER BASE COURSE LAYER IS PLACED. ANY DAMAGE TO PIPES / CULVERTS MUST BE REPORTED TO THE PCA PRIOR TO UNDERTAKING ANY REPAIRS. IT IS TO BE NOTED THAT ANY DAMAGE TO PIPES / CULVERTS IDENTIFIED IN THE CCTV REPORT THAT ARE LOCATED UNDER ROADS SHALL AS A MINIMUM REQUIRE A FULL SLEEVE REPAIR FROM PIT TO PIT. CIRCUMFERENTIAL CRACKS IN OTHER LOCATIONS SHALL AS A MINIMUM REQUIRE A SLEEVE REPAIR. THE REPAIR SHALL BE DONE BY AN APPROVED CONTRACTOR. A CCTV REPORT ON ALL REPAIRS WILL BE REQUIRED BY COUNCIL.
25. PVC PIPES SHOULD BE INSTALLED IN ACCORDANCE WITH AS 2032:2006 INSTALLATION OF PVC PIPE SYSTEMS.
26. REINFORCED BOX CULVERTS AND BASE SLABS ARE TO BE PRECAST AND INSTALLED IN ACCORDANCE TO MANUFACTURERS DETAILS, UNLESS OTHERWISE STATED.

ELECTRICAL AND LIGHTING NOTES

1. EXISTING UTILITY PITS TO BE ADJUSTED TO SUIT PROPOSED LEVELS. FOR MORE INFORMATION REFER TO UTILITY REGISTER.
2. STANDARD CITY OF PARRAMATTA POLE OFFSET, 600mm FROM THE FACE OF KERB TO FACE OF POLE.
3. DUE TO EXISTING UNDERGROUND SERVICES, THE POLE SETOUT SHALL BE FOLLOWED.
4. CONTRACTOR TO CHECK THE EXISTING CONDUITS RUN PRIOR COMMENCING WORK.
5. VERIFY ALL DIMENSIONS ON SITE.
6. THE ELECTRICAL CONTRACTOR SHALL UNDERTAKE A "BEFORE YOU DIG AUSTRALIA" SEARCH FOR EXISTING IN-GROUND SERVICES PRIOR TO EXCAVATION ON SITE. ANY DAMAGE TO EXISTING IN-GROUND SERVICES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
7. THE CONDUIT ROUTE IS DIAGRAMMATIC ONLY. THE ELECTRICAL CONTRACTOR SHALL FOLLOW THE MOST APPROPRIATE ROUTE TO RETICULATE THE CONDUITS AFTER COORDINATING WITH OTHER SERVICES. THE EXISTING UNDERGROUND SERVICES ARE TO BE REALIGNED BY OTHERS, IF REQUIRED.
8. THE EXISTING UNDERGROUND SERVICES ARE OBTAINED FROM THIRD PARTY.
9. CONTRACTOR TO ALLOW POT HOLING TO OBTAIN AN ACCURATE INFORMATION ABOUT THE EXISTING UNDERGROUND SERVICES.
10. ALL WORKS TO CONFORM WITH THE LATEST CITY OF PARRAMATTA STREET LIGHTING DESIGN GUIDE AND PUBLIC DOMAIN GUIDELINES.

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

Scales

100mm on Original

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	L. CORSCADDEN	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: GENERAL NOTES

ARCADIS
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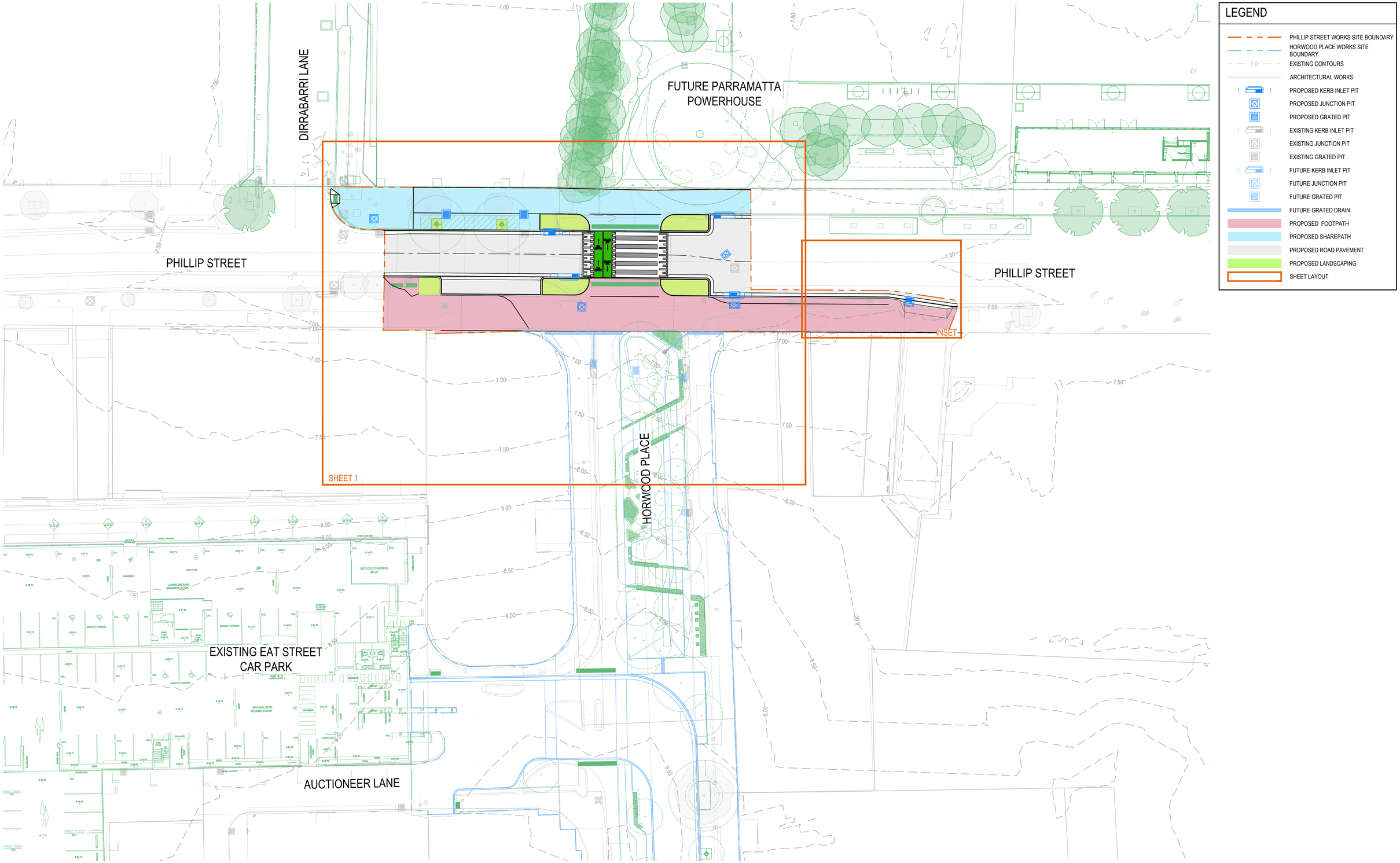
Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0021

Issue: 03

Date Plotted: 3 Oct 2025 - 05:59pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0021-GeneralNotes.dwg



Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

Scales

0 5 10 15 20 25m

1 : 250

100mm on Original

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	L. CORSCADDEN	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: GENERAL ARRANGEMENT PLAN

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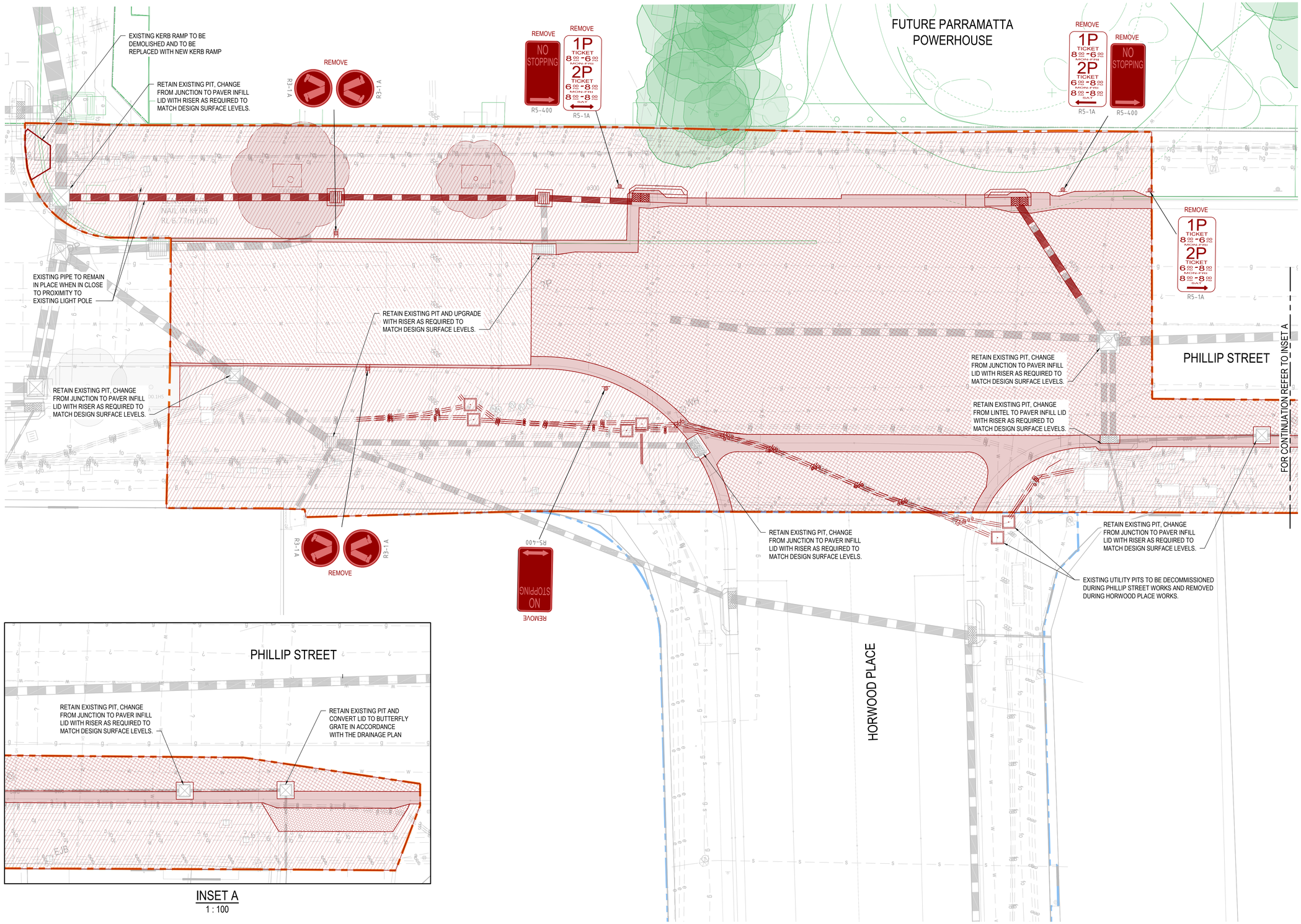
www.arcadis.com/au

Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0061

Issue: 03

Date Plotted: 3 Oct 2025 - 06:01pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0061-GeneralArrangementPlan.dwg



INSET A
1 : 100

LEGEND

- PHILLIP STREET WORKS SITE BOUNDARY
- HORWOOD PLACE WORKS SITE BOUNDARY
- EXISTING ELECTRICAL TO BE DEMOLISHED
- EXISTING FIBER-OPTIC TO BE DEMOLISHED
- EXISTING UTILITY PIT TO BE DEMOLISHED
- EXISTING SIGN POST TO BE DEMOLISHED
- EXISTING KERB INLET PIT TO BE DEMOLISHED
- EXISTING GRATED PIT TO BE DEMOLISHED
- EXISTING STORMWATER PIPE TO BE DEMOLISHED
- EXISTING TREE AND TREE PIT TO BE DEMOLISHED
- EXISTING ROAD PAVEMENT TO BE DEMOLISHED (REFER NOTE 9)
- EXISTING ROAD PEDESTRIAN CROSSING TO BE DEMOLISHED (REFER NOTE 9)
- EXISTING PEDESTRIAN PAVEMENT TO BE DEMOLISHED (REFER NOTE 9)
- EXISTING DRIVEWAY PAVEMENT TO BE DEMOLISHED (REFER NOTE 9)
- EXISTING KERB TO BE DEMOLISHED (REFER NOTE 8)
- EXISTING JUNCTION PIT TO BE RETAINED
- EXISTING GRATED PIT TO BE RETAINED
- EXISTING STORMWATER PIPE TO BE RETAINED

NOTES

1. THIS SITE HAS KNOWN ASBESTOS CONTAINING MATERIALS WITHIN THE EXISTING ENDEAVOUR ENERGY LINE. REFER TO ASP3 AND UTILITIES DESIGN FOR FURTHER DETAILS.
2. THIS DEMOLITION PLAN SHOULD BE COORDINATED WITH THE DEMOLITION PLAN FOR HORWOOD PLACE. SHOULD THEY NOT RUN CONCURRENTLY THEN ADDITIONAL TEMPORARY FENCING, SIGNAGE ETC. MAY BE REQUIRED.
3. CONTRACTOR IS REQUIRED TO LIAISE AND RECEIVE APPROVAL AND PROCESSES WITH ALL RELEVANT AUTHORITIES PRIOR TO ANY WORKS.
4. SHOULD ANY HAZARDOUS MATERIAL BE FOUND ON SITE CONTRACTOR SHOULD IMPLEMENT APPROPRIATE UNEXPECTED FINDS PROTOCOL AND TREAT APPROPRIATELY.
5. LOCATION OF ALL SERVICES SHOULD BE COMPLETED PRIOR TO COMMENCEMENT OF DEMOLITION.
6. FOR EXISTING TREE REMOVAL/RETENTION/PROTECTION STRATEGY REFER TO LANDSCAPE ARCHITECTS PLANS.
7. WHERE DRAINAGE PIPES AND SERVICES ARE BEING REMOVED, BACKFILL WITH APPROPRIATE MATERIAL AND COMPACTED AS PER RELEVANT GUIDELINES. CONTRACTOR TO COORDINATE INTERIM DRAINAGE STRATEGY TO ENSURE NO EXCESSIVE POOLING OR EROSION AND SEDIMENT OCCURS ON SITE.
8. ALL KERB AND GUTTER WITHIN LIMIT OF WORKS TO BE DEMOLISHED AND REMOVED FROM SITE.
9. PAVEMENT AND PATH WITHIN THE LIMIT OF WORKS SHOULD BE REMOVED TO THE DEPTH REQUIRED TO CONSTRUCT THE PROPOSED PAVEMENT AND PATH AND REMOVED FROM SITE.
10. ALL RECEIPTS OF REMOVAL AND TIPPING SHOULD BE RETAINED FOR PROOF OF APPROPRIATE DISPOSAL AND PROGRESS CLAIMS.
11. REFER TO UTILITIES, ASP3 AND DRAINAGE PLANS FOR TREATMENT OF RETAINED PITS AND PIPES.
12. ALL EXISTING DRAINAGE WITHIN THE PROPOSED PATH AREA ARE TO BE CONVERTED TO PAVER INFILL LIDS WITH RISERS AS REQUIRED TO MATCH DESIGN SURFACE LEVELS UNLESS NOTED OTHERWISE.
13. ALL EXISTING DRAINAGE WITHIN THE PROPOSED ROAD PAVEMENT ARE TO BE ADJUSTED AS REQUIRED TO MATCH DESIGN SURFACE LEVELS UNLESS NOTED OTHERWISE.
14. FOR UTILITY PIT ADJUSTMENTS REFER TO UTILITY DESIGN DRAWINGS.
15. FOR SIGNAGE ADJUSTMENTS REFER TO SIGNAGE AND LINE MARKING PLAN.
16. CONTRACTOR TO LOOK FOR OPPORTUNITIES FOR REUSE OF MATERIAL WHERE POSSIBLE (SIGNS, POSTS AND STREET FURNITURE ETC.) AND STORE SAFELY UNTIL CONSTRUCTION.
17. ALL ENVIRONMENTAL IMPACT STATEMENT OR EQUIVALENT DOCUMENTATION TO BE REVIEWED AND APPROPRIATE PROCESSES TO BE IMPLEMENTED PRIOR TO WORKS.
17. ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH HERITAGE ASSESSMENTS.
18. CONTRACTOR IS TO INSTALL EROSION AND SEDIMENT CONTROLS TO MANAGE RUNOFF.
19. CONTRACTOR TO ENSURE SAFETY OF PEDESTRIAN AND VEHICLE ACCESS IF REQUIRED DURING AND POST DEMOLITION WORKS.

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

Scales

0 1 2 4 6 8 10m

1 : 100

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	L. CORSCADDEN	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: DEMOLITION PLAN

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Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0081

Issue: 03

100mm on Original

Date Plotted: 3 Oct 2025 - 06:00pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0081-DemolitionPlan.dwg

FUTURE PARRAMATTA POWERHOUSE

PHILLIP STREET

FOR CONTINUATION REFER TO INSET A

01 0121 | 02 0121 | 03 0121 | 04 0121 | 05 0121

LEGEND

- HORWOOD PLACE WORKS SITE BOUNDARY
- PHILLIP STREET WORKS SITE BOUNDARY
- EXISTING CONTOURS
- EARTHWORKS CONTOURS
- ARCHITECTURAL WORKS
- PROPOSED KERB INLET PIT
- PROPOSED STORMWATER PIPE
- PROPOSED JUNCTION PIT
- PROPOSED GRATED PIT
- EXISTING KERB INLET PIT
- EXISTING STORMWATER PIPE
- EXISTING JUNCTION PIT
- EXISTING GRATED PIT

CUT FILL DEPTH RANGE

Lower_value		Upper_value	Colour
-999	to	-1	Meter
-1	to	-0.9	Meter
-0.9	to	-0.8	Meter
-0.8	to	-0.7	Meter
-0.7	to	-0.6	Meter
-0.6	to	-0.5	Meter
-0.5	to	-0.25	Meter
-0.25	to	-0.2	Meter
-0.2	to	-0.15	Meter
-0.15	to	-0.1	Meter
-0.1	to	-.05	Meter
-.05	to	0.00	Meter
0.000	to	.1	Meter
.1	to	0.2	Meter
0.2	to	0.3	Meter
0.3	to	0.4	Meter
0.4	to	0.5	Meter
0.5	to	1	Meter
1	to	999	Meter

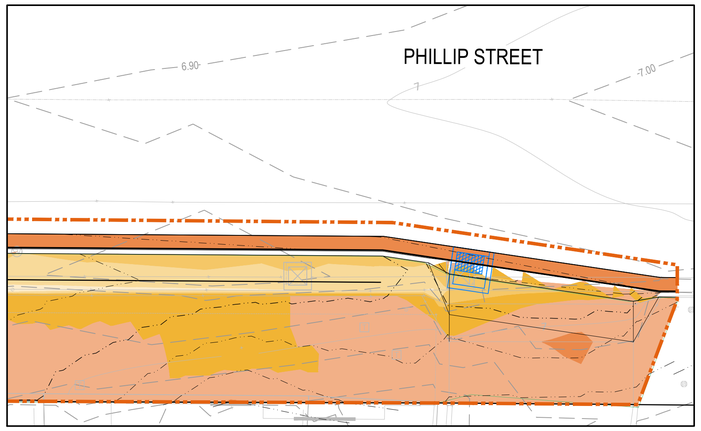
CUT/FILL VOLUMES

EARTHWORKS IS CALCULATED FROM UNDERSIDE OF CONSTRUCTION MATERIAL TO EXISTING SURFACE. TIN SUPER EXISTING" TO TIN "PS/EARTHWORKS" - (WITH NO PLAN POLYGON).

CONSTRUCTION THICKNESS FOR AREA BELOW:

- ROAD - 0.432m

CUT	-538	m³
FILL	0	m³
NET CUT	538	m³



INSET A
1 : 100

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

100mm on Original

Scales

0 1 2 4 6 8 10m

1 : 100

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	L. CORSCADDEN	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: EARTHWORKS PLAN

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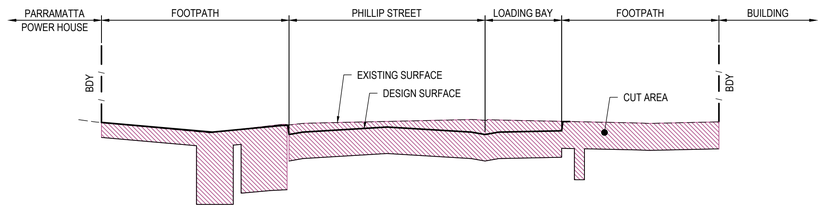
Project Number: 30286862

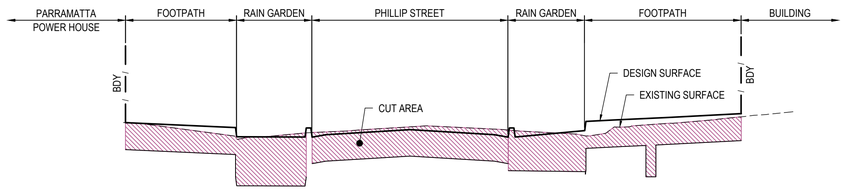
Drawing No.: CL3-AAP-DD-PS-DRG-CI-0101

Issue: 03

Date Plotted: 3 Oct 2025 - 06:01pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0101-EarthworksPlan.dwg



SECTION 1 (0101)
1 : 100h 1 : 50v



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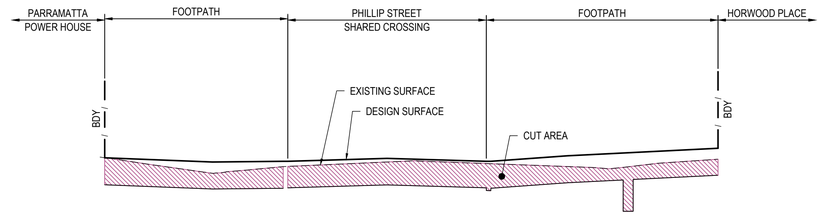
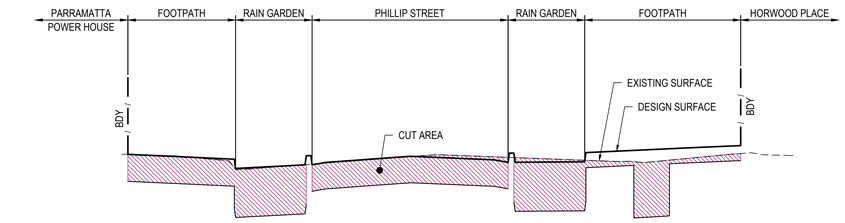
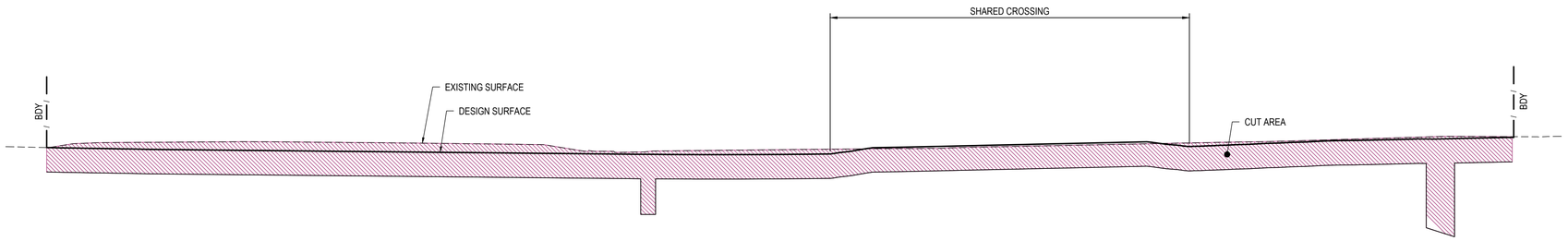


SECTION 3 (0101)
1 : 100h 1 : 50v



SECTION 4 (0101)
1 : 100h 1 : 50v



SECTION 5 (0101)
1 : 100h 1 : 50v

Issue	Description	DR	CH	VE	Date
02	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
01	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	MK	10.09.2025

Scales

0 1 2 4 6 8 10m
1 : 100

0 0.5 1 2 3 4 5m
1 : 50

100mm on Original

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	L. CORSCADDEN	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: EARTHWORKS SITE SECTIONS

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Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0121

Issue: 02

Date Plotted: 3 Oct 2025 - 05:59pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0121-EarthworksSiteSections.dwg

FUTURE PARRAMATTA POWERHOUSE

TEMPORARY TYPE F WATER-FILLED SAFETY BARRIERS

PHILLIP STREET

FOR CONTINUATION REFER TO INSET A

HORWOOD PLACE

LEGEND

- PHILLIP STREET WORKS SITE BOUNDARY
- HORWOOD PLACE WORKS SITE BOUNDARY
- EXISTING CONTOURS
- DESIGN CONTOURS
- ARCHITECTURAL WORKS
- SITE FENCE
- SEDIMENT TRAP FOR GRATED INLET PIT ON PAVEMENT
- PROPOSED KERB INLET PIT
- PROPOSED JUNCTION PIT
- PROPOSED BUTTERFLY GRATED PIT
- EXISTING KERB INLET PIT
- EXISTING JUNCTION PIT
- EXISTING GRATED PIT
- FUTURE KERB INLET PIT
- FUTURE JUNCTION PIT
- FUTURE GRATED PIT
- FUTURE GRATED DRAIN
- MESH AND GRAVEL INLET FILTER (SD 6-11)
- STABILISED SITE ACCESS (SD 6-14)

NOTES

1. REFER TO DRAWING CL3-AAP-DD-HP-DRG-CI-0191 FOR EROSION AND SEDIMENT CONTROL DETAILS.
2. CONTRACTOR IS TO ALLOW FOR HALF-ROAD CONSTRUCTION TO ALLOW A SINGLE LANE OF TRAFFIC TO PASS UNDER TRAFFIC MANAGEMENT.
3. SITE SECURITY TO BE COORDINATED WITH CONSTRUCTION WORKS.

PHILLIP STREET

INSET A
1 : 100

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

100mm on Original

Scales

0 1 2 4 6 8 10m

1 : 100

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	L. CORSCADDEN	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: EROSION AND SEDIMENT CONTROL PLAN

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Project Number: 30286862

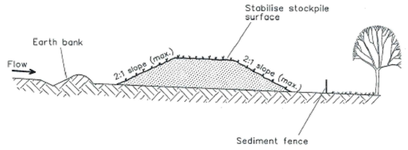
Drawing No.: CL3-AAP-DD-PS-DRG-CI-0171

Issue: 03

Date Plotted: 3 Oct 2025 - 06:00pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0171-ErosionAndSedimentControlPlan.dwg

NOTES

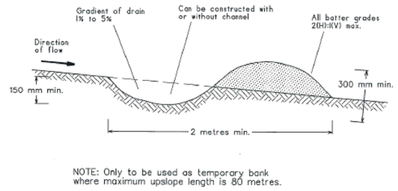
1. REFER TO DRAWING CL3-AAP-DD-HP-DRG-CI-0171 FOR THE EROSION AND SEDIMENT CONTROL PLAN.
2. EROSION AND SEDIMENT CONTROL DETAILS HAVE BEEN TAKEN DIRECTLY FROM NSW DEPARTMENT OF HOUSING MANUAL. 'MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION' 4TH EDITION, MARCH 2004



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 (Standard Drawing 5-5) on the upslope side to divert water around stockpiles and sediment fences (Standard Drawing 6-8) 1 to 2 metres downslope.

STOCKPILES (SD 4-1)

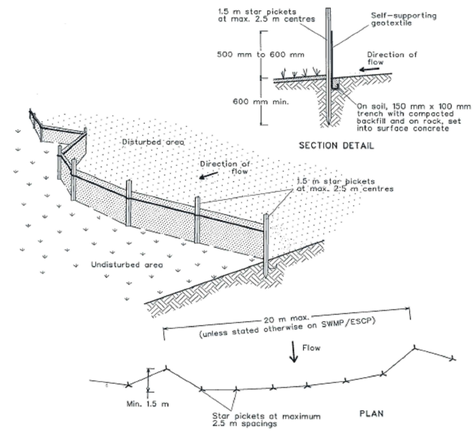


NOTE: Only to be used as temporary bank where maximum upslope length is 80 metres.

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.

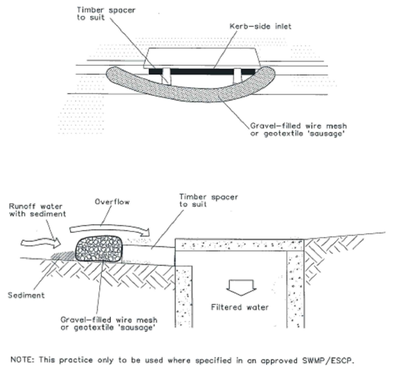
EARTH BANK LOW FLOW (SD 5-5)



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)

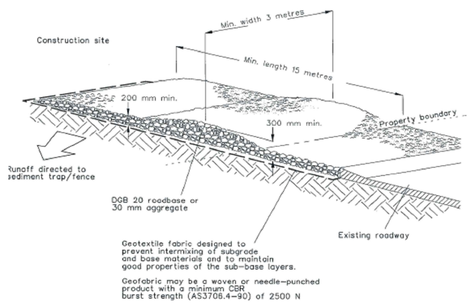


NOTE: This practice only to be used where specified in an approved SWMP/ESCP.

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 (SD 6-11)



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 (SD 6-14)

MATERIALS

FABRIC (LIGHT TRAFFIC AREAS):
HEAVY DUTY, NEED-PUNCHED, NON WOVEN FILTER CLOTH ('BIDIM' A34 OR EQUIVALENT).

FABRIC (HEAVY TRAFFIC AREAS):
POLY-PROPYLENE , POLYAMIDE, NYLON, POLYESTER, OR POLYETHYLENE WOVEN OR NON-WOVEN REINFORCED FABRIC. THE FABRIC WIDTH SHOULD BE AT LEAST 700mm WITH A MINIMUM UNIT WEIGHT OF 140g/m². FABRICS SHOULD CONTAIN ULTRAVIOLET INHIBITORS AND STABILISERS TO PROVIDE A MINIMUM OF 6 MONTHS OF USEABLE CONSTRUCTION LIFE (ULTRAVIOLET STABILITY EXCEEDING 70%)

INSTALLATION

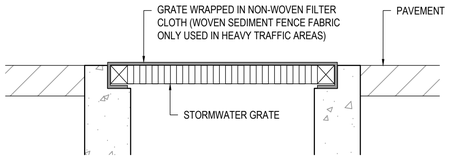
1. REFER TO APPROVED PLANS FOR LOCATION AND DIMENSIONAL DETAILS. IF THERE ARE QUESTIONS OR PROBLEMS WITH THE LOCATION, DIMENSIONS OR METHOD OF INSTALLATION CONTACT THE ENGINEER OR RESPONSIBLE ON-SITE OFFICER FOR ASSISTANCE.
2. ENSURE THAT THE INSTALLATION OF THE SEDIMENT TRAP WILL NOT CAUSE UNDESIRABLE SAFETY OR FLOODING ISSUES.
3. APPLY THE APPROPRIATE FABRIC FOR THE SITE CONDITIONS.
4. WRAP THE FABRIC AROUND OR OVER THE STORMWATER INLET GRATE IN SUCH A MANNER THAT PREVENTS ANY WATER ENTERING THE STORMWATER INLET WITHOUT PASSING THROUGH THE FABRIC.
5. ENSURE ALL OTHER FLOW ENTRY POINTS ARE COVERED WITH FABRIC SUCH THAT WATER CANNOT ENTER THE STORMWATER INLET WITHOUT PASSING THROUGH A SUITABLE FILTER.
6. TAKE ALL NECESSARY MEASURES TO MINIMISE SAFETY OR FLOODING RISK CAUSED BY OPERATION OF THE SEDIMENT TRAP.

MAINTENANCE

1. INSPECT THE BARRIER AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT AND MAKE REPAIRS AS NEEDED TO THE SEDIMENT TRAP.
2. REMOVE COLLECTED SEDIMENT AND DISPOSE OF IN A SUITABLE MANNER THAT WILL NOT CAUSE AN EROSION OR POLLUTION HAZARD.
3. REPLACE THE FABRIC IF IT IS TORN OR DAMAGED.
4. SEDIMENT DEPOSITS SHOULD BE REMOVED IMMEDIATELY IF THEY REPRESENT A SAFETY RISK.

REMOVAL

WHEN THE UP-SLOPE DRAINAGE AREA HAS BEEN STABILISED, REMOVE ALL MATERIALS INCLUDED DEPOSITED SEDIMENT AND DISPOSE OF IN A SUITABLE MANNER THAT WILL NOT CAUSE AN EROSION OR POLLUTION HAZARD.



SEDIMENT TRAP FOR GRATED INLET PIT ON PAVEMENT

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

Scales: NOT TO SCALE

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	L. CORSCADDEN	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK
PHILLIP STREET WORKS

Title: EROSION AND SEDIMENT CONTROL DETAILS

ARCADIS
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www.arcadis.com/au

Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0191

Issue: 03

100mm on Original

Date Plotted: 3 Oct 2025 - 05:59pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0191-ErosionAndSedimentControlDetails.dwg

FUTURE PARRAMATTA POWERHOUSE

PHILLIP STREET

HORWOOD PLACE

EXISTING KERB RAMP TO BE DEMOLISHED AND REPLACED WITH NEW KERB RAMP.

PROPOSED KERB TO TIE INTO EXISTING KERB.

SAWCUT INTERFACE WITH EXISTING PAVEMENT.

ADJUST EXISTING SERVICE COVERS AND PIT LIDS TO SUIT PROPOSED LEVELS.

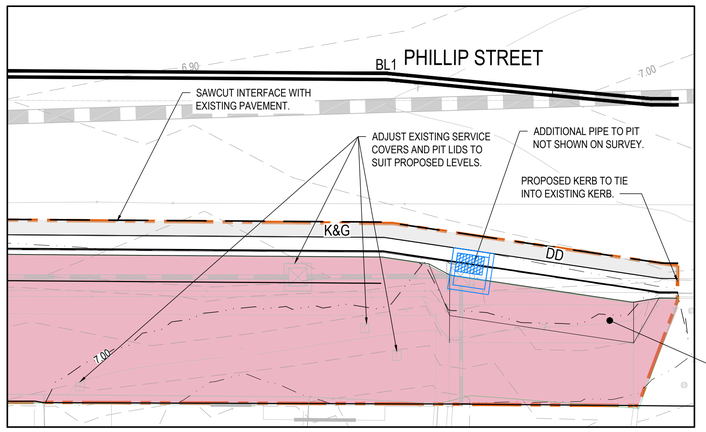
EXISTING LEVELS IN THIS AREA IS RETAINED TO MAINTAIN FLOOD STORAGE.

EXISTING FLOODING IN THIS AREA.

CONTRACTOR TO BATTER UP WITH ASPHALT AT 1% INTERFACING TO EXISTING SURFACE AND ENSURE NO TRAPPED LOW POINTS.

BREAK IN KERB TO ALLOW WATER TO DRAIN INTO GARDEN BED

FOR CONTINUATION REFER TO INSET A



INSET A
1 : 100

LEGEND

- PHILLIP STREET WORKS SITE BOUNDARY
- HORWOOD PLACE WORKS SITE BOUNDARY
- EXISTING CONTOURS
- DESIGN CONTOURS
- ARCHITECTURAL WORKS
- SAW CUT INTERFACE
- PROPOSED KERB INLET PIT
- PROPOSED STORMWATER PIPE
- PROPOSED JUNCTION PIT
- PROPOSED BUTTERFLY GRATED PIT
- EXISTING KERB INLET PIT
- EXISTING STORMWATER PIPE
- EXISTING JUNCTION PIT
- EXISTING GRATED PIT
- FUTURE KERB INLET PIT
- FUTURE JUNCTION PIT
- FUTURE GRATED PIT
- FUTURE GRATED DRAIN
- FUTURE STORMWATER PIPE
- EXISTING DRAINAGE TO BE REMOVED
- PROPOSED FOOTPATH
- PROPOSED PAVEMENT BY ARCHITECT
- PROPOSED ROAD PAVEMENT
- PROPOSED RAIN GARDEN
- KO — PROPOSED KERB ONLY AS PER PARRAMATTA CITY COUNCIL STANDARDS
- K&G — PROPOSED KERB AND GUTTER AS PER PARRAMATTA CITY COUNCIL STANDARDS
- DD — PROPOSED DISH DRAIN AS PER PARRAMATTA CITY COUNCIL STANDARDS
- ES — PROPOSED EDGE STRIP AS PER PARRAMATTA CITY COUNCIL STANDARDS
- SK — PROPOSED SLOTTED KERB (SK) AS PER CITY OF PARRAMATTA COUNCIL STANDARDS
- KR — PROPOSED KERB RAMP AS PER CITY OF PARAMATTA COUNCIL STANDARDS
- PROPOSED PAVEMENT MARKING BA-1
- PROPOSED PAVEMENT MARKING PS-3
- LINEMARKING DELINEATION BL1
- LINEMARKING DELINEATION EL1

NOTES

1. PAVEMENT MARKINGS AS PER TINSW DELINEATION GUIDELINES.
2. SIGNS AS PER TINSW GUIDELINES.
3. REFER TO DRAWING CL3-AAP-DD-HP-DRG-CI-0251 FOR THE ROAD LONGITUDINAL SECTIONS.
4. REFER TO DRAWING CL3-AAP-DD-HP-DRG-CI-0281 FOR THE ROAD CROSS SECTIONS.
5. PROVIDE TYPE F WATER FILLED BARRIERS AT INTERSECTION OF AUCTIONEER LANE AND HORWOOD PLACE LANE TO RESTRICT VEHICLE ACCESS TO HORWOOD PLACE NORTH.

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

Scales

0 1 2 4 6 8 10m

1 : 100

100mm on Original

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	L. CORSCADDEN	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: CIVIL WORKS PLAN

ARCADIS
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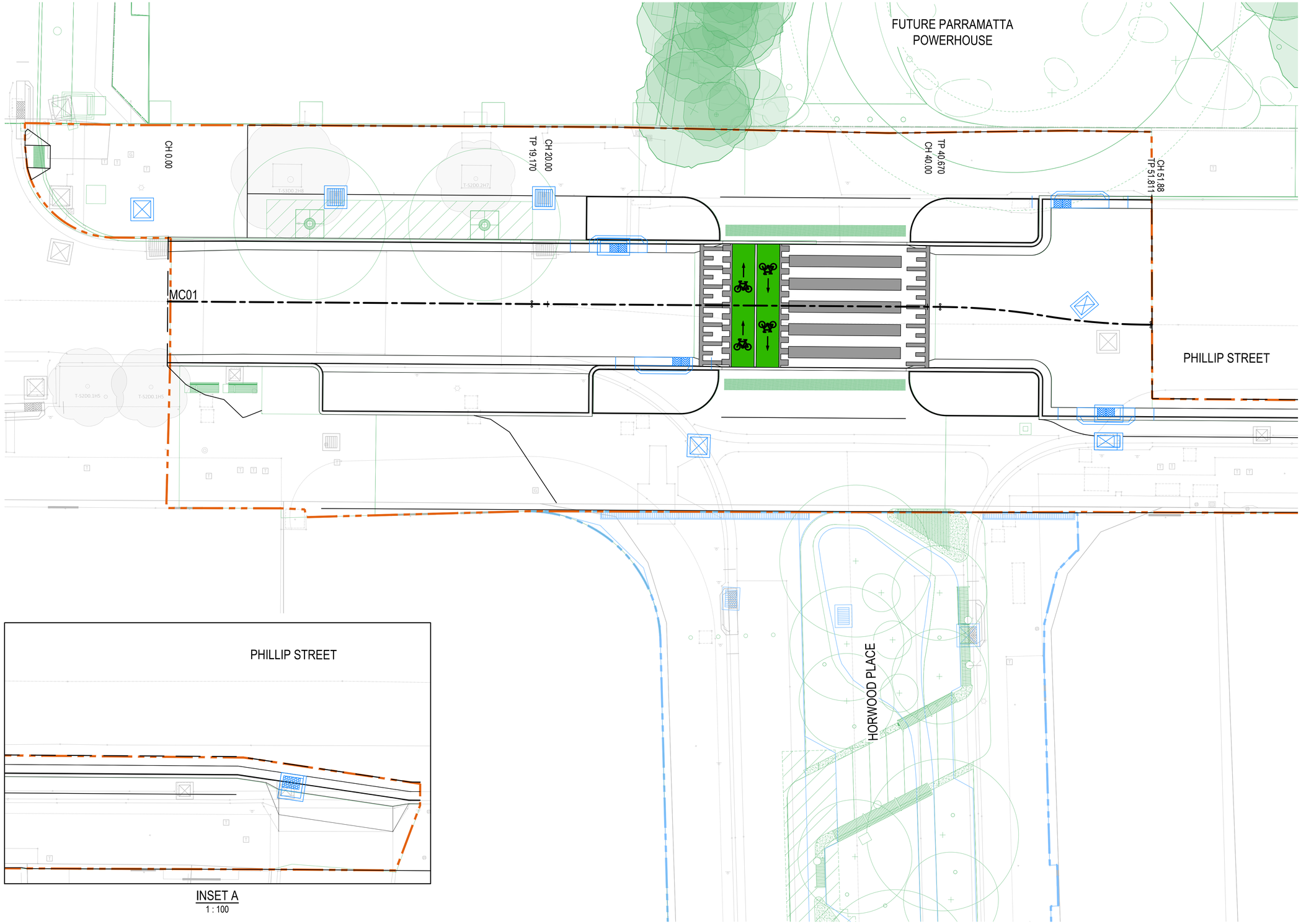
www.arcadis.com/au

Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0201

Issue: 03

Date Plotted: 3 Oct 2025 - 06:01pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0201-CivilWorksPlan.dwg



LEGEND

- PHILLIP STREET WORKS SITE BOUNDARY
- HORWOOD PLACE WORKS SITE BOUNDARY
- ARCHITECTURAL WORKS
- CH. 0.000 + CHAINAGE AND CONTROL LINE

INSET A
1 : 100

Issue	Description	DR	CH	VE	Date
02	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
01	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	MK	10.09.2025

100mm on Original

Scales

0 1 2 4 6 8 10m

1 : 100

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	L. CORSCADDEN	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK
PHILLIP STREET WORKS

Title: ROAD CONTROL SETOUT PLAN

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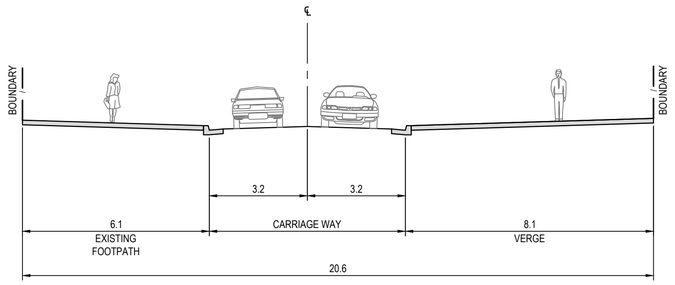
www.arcadis.com/au

Project Number: 30286862

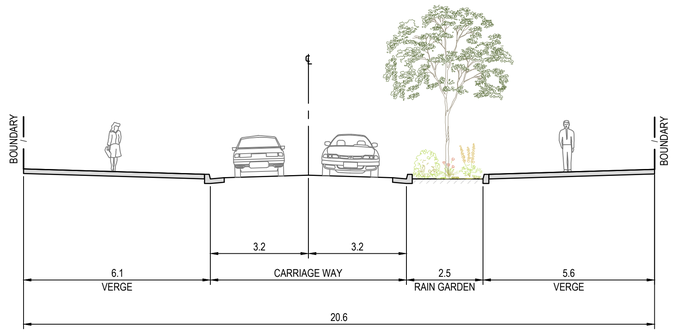
Drawing No.: CL3-AAP-DD-PS-DRG-CI-0221

Issue: 02

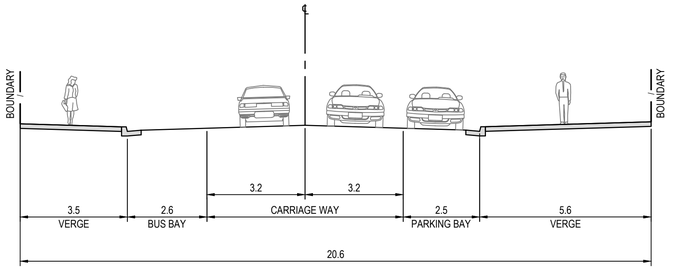
Date Plotted: 3 Oct 2025 - 06:00pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0221-RoadControlSetoutPlan.dwg



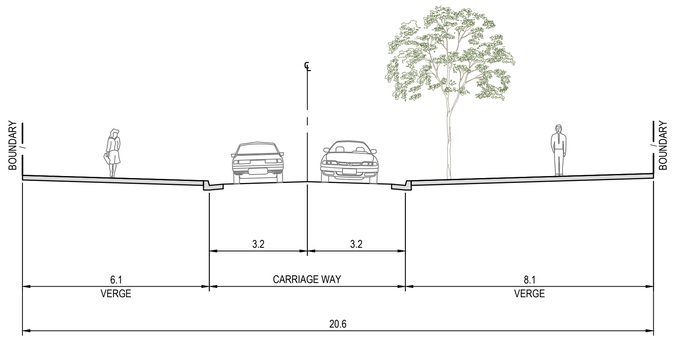
TYPICAL ROAD SECTION 1
PHILLIP STREET
1 : 100



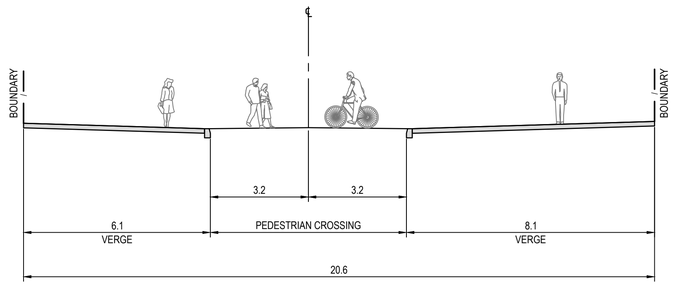
TYPICAL ROAD SECTION 4
PHILLIP STREET - RAINGARDEN
1 : 100



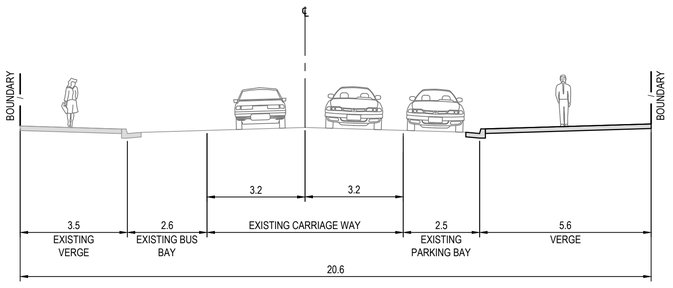
TYPICAL ROAD SECTION 7
PHILLIP STREET - BUS BAY AND PARKING BAY
1 : 100



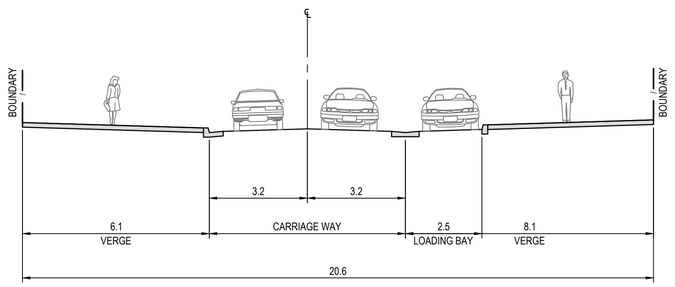
TYPICAL ROAD SECTION 2
PHILLIP STREET - TREE PIT
1 : 100



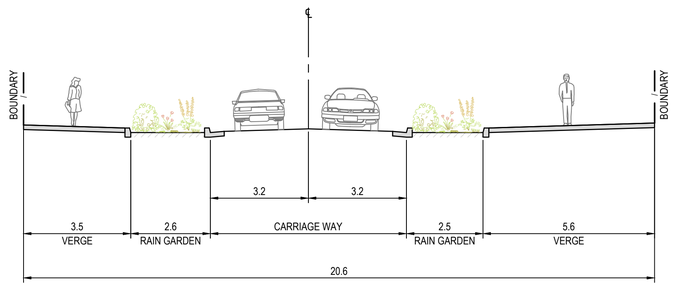
TYPICAL ROAD SECTION 5
PHILLIP STREET - RAISED PEDESTRIAN CROSSING
1 : 100



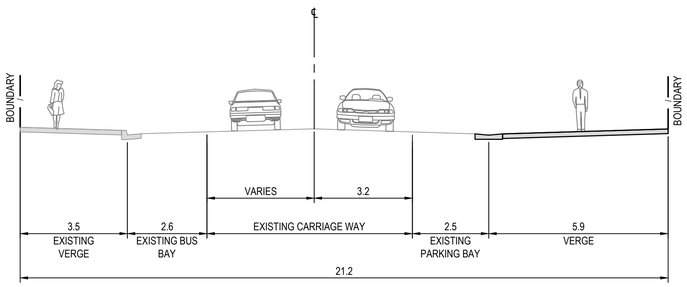
TYPICAL ROAD SECTION 8
PHILLIP STREET - PROPOSED FOOTPATH RIGHT-SIDE
1 : 100



TYPICAL ROAD SECTION 3
PHILLIP STREET - LOADING BAY
1 : 100



TYPICAL ROAD SECTION 6
PHILLIP STREET - RAINGARDENS
1 : 100



TYPICAL ROAD SECTION 9
PHILLIP STREET - EAST BOUND LANE VARIES
1 : 100

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

Scales

0 1 2 4 6 8 10m

1 : 100

100mm on Original

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	L. CORSCADDEN	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK
PHILLIP STREET WORKS

Title: TYPICAL ROAD SECTIONS

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Project Number: 30286862

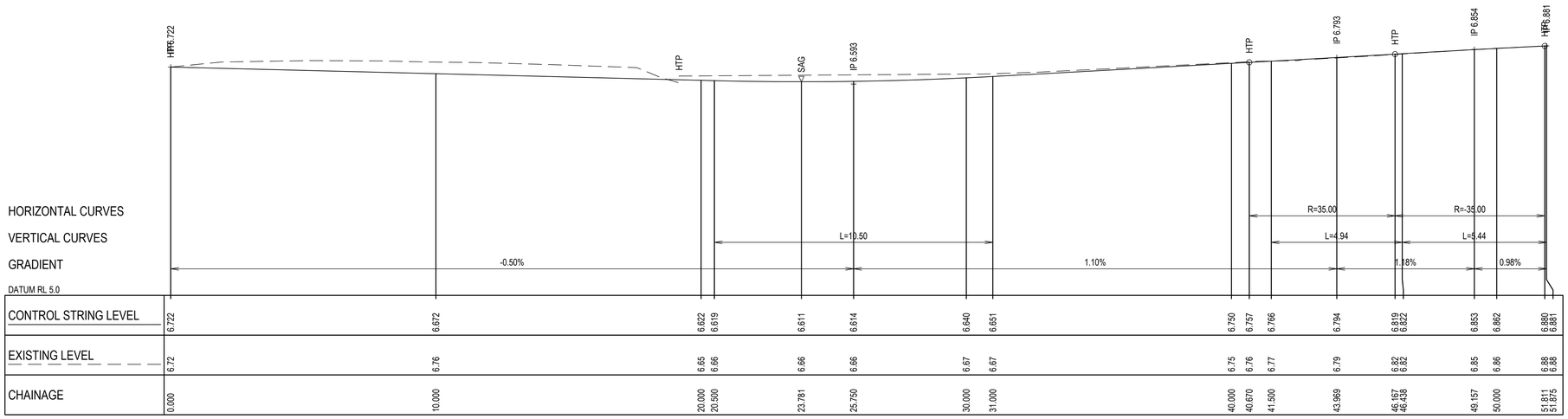
Drawing No.: CL3-AAP-DD-PS-DRG-CI-0241

Issue: 03

Date Plotted: 3 Oct 2025 - 05:59pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0241-TypicalRoadSections.dwg

NOTES

REFER TO DRAWING CL3-AAP-DD-PS-DRG-CI-0221 FOR THE ROAD ALIGNMENT.



MC01 LONGITUDINAL SECTION

SCALE 1:100 HORI.
1:20 VERT.

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

Scales

HORZ 0 1 2 4 6 8 10m
1:100

VERT 0 0.5 1 1.5 2m
1 : 20

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	L. CORSCADDEN	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK
PHILLIP STREET WORKS

Title: ROAD LONGITUDINAL SECTIONS

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Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0251

Issue: 03

100mm on Original

Date Plotted: 3 Oct 2025 - 05:59pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0251-RoadLongitudinalSections.dwg

NOTES

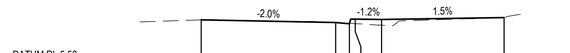
REFER TO DRAWING CL3-AAP-DD-HP-DRG-CI-0221 FOR THE ROAD ALIGNMENT.

DATUM RL 5.25														
PROPOSED LEVEL	6.741	6.668	6.668 6.668	6.715	6.668 6.668	6.770	6.893
EXISTING LEVEL	6.74	6.48	6.59 6.59	6.67	6.61 6.61	6.56	6.66
OFFSET	-9.247	-5.700	-3.390 -3.240	0.000	3.240 3.390	5.890	10.809

CH 30.000

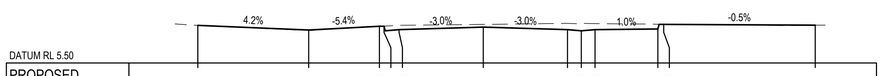
DATUM RL 5.25														
PROPOSED LEVEL	6.748	6.618	6.649 6.649 6.539	6.622	6.539 6.499 6.539	6.579 6.729	6.823	6.822
EXISTING LEVEL		6.59	6.69 6.59 6.56	6.65	6.60 6.57 6.72	6.75 6.75	6.82	6.82
OFFSET	-9.337	-5.700	-3.390 -3.240 -2.750	0.000	2.750 3.200 3.650	5.700 5.850	9.655	10.821

CH 20.000



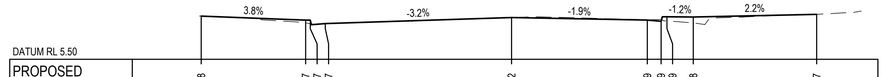
DATUM RL 5.50				
PROPOSED LEVEL	6.881	6.793 6.754 6.904	6.894	6.955
EXISTING LEVEL	6.88	6.79 6.77 6.76	6.71	6.95
OFFSET	0.000	4.389 4.839 5.029	5.889	9.889

CH 51.875



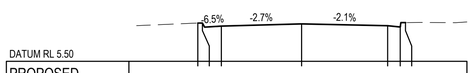
DATUM RL 5.50														
PROPOSED LEVEL	6.728	6.575	6.699 6.699 6.589	6.672	6.589 6.549 6.589	6.610 6.760	6.733
EXISTING LEVEL	6.73	6.56	6.71 6.71 6.73	6.76	6.79 6.77 6.78	6.76 6.76	6.73
OFFSET	-9.320	-5.700	-3.390 -3.240 -2.750	0.000	2.750 3.200 3.650	5.700 5.890	10.838

CH 10.000



DATUM RL 5.50														
PROPOSED LEVEL	6.908	6.777 6.777 6.667	6.862	6.779 6.739 6.889	6.878	6.967
EXISTING LEVEL	6.91	6.68 6.66 6.67	6.86	6.79 6.80 6.75	6.68	6.97
OFFSET	-10.131	-8.721 -8.571 -9.081	0.000	4.433 4.884 5.074	5.935	9.962

CH 50.000



DATUM RL 5.50														
PROPOSED LEVEL	6.749 6.749 6.650	6.722	6.662 6.619 6.763
EXISTING LEVEL	6.75 6.68 6.65	6.72	6.66 6.62 6.76
OFFSET	-3.390 -3.240 -2.622	0.000	2.808 3.219 3.390

CH 0.000

DATUM RL 5.50														
PROPOSED LEVEL	6.776	6.728	6.612 6.777 6.697	6.770	6.697 6.657 6.777	6.650	6.937
EXISTING LEVEL	6.78	6.55	6.63 6.64 6.65	6.75	6.74 6.74 6.74	6.70	6.82
OFFSET	-9.172	-5.434	-3.430 -3.240 -2.861	0.000	2.861 3.211 3.390	5.399	10.797

CH 40.000

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

Scales

0 1 2 4 6 8 10m

1 : 100

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	L. CORSCADDEN	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK
PHILLIP STREET WORKS

Title: ROAD CROSS SECTIONS

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

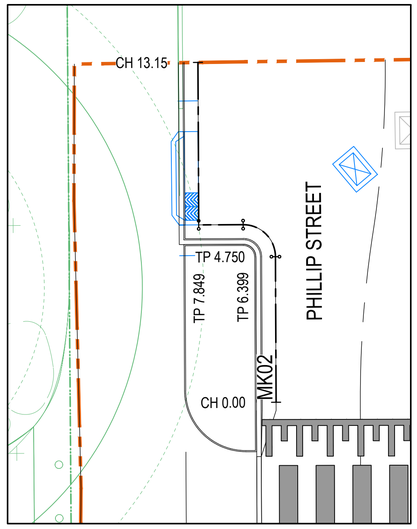
Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0281

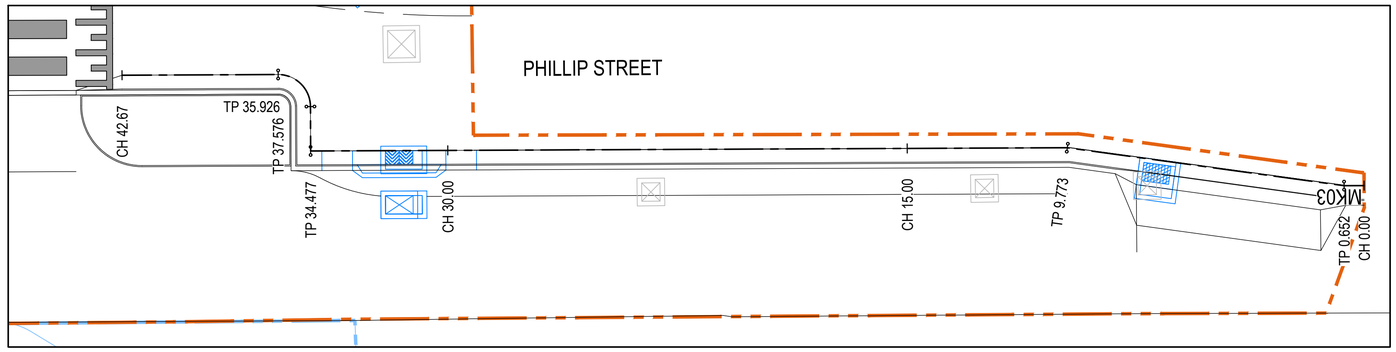
Issue: 03

100mm on Original

Date Plotted: 3 Oct 2025 - 05:59pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0281-RoadCrossSections.dwg



MK02
1 : 100



MK03
1 : 100

LEGEND

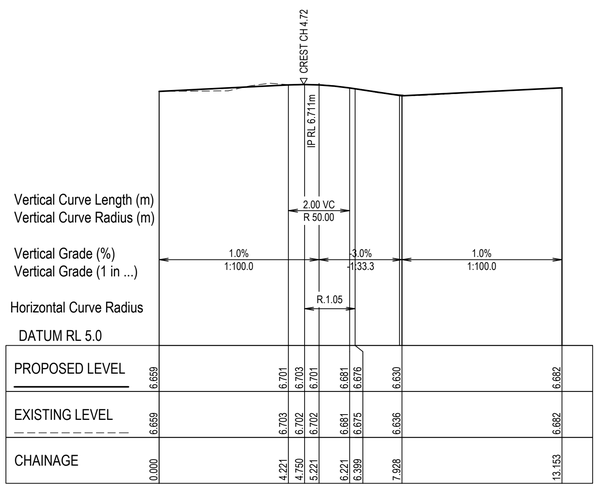
- HORWOOD PLACE WORKS SITE BOUNDARY
- PHILLIP STREET WORKS SITE BOUNDARY
- CH. 0.000 — CHAINAGE AND CONTROL LINE
- PROPOSED KERB INLET PIT
- PROPOSED JUNCTION PIT
- PROPOSED BUTTERFLY GRATED PIT
- EXISTING JUNCTION PIT
- EXISTING GRATED PIT

CONTROL LINE SETOUT MK02

	PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
L6	BP	0.000	315419.458	6256825.070	106° 10' 22.06"		4.750	
	EP	4.750	315424.020	6256823.747				
C1	TC	4.750	315424.020	6256823.747	106° 10' 22.06"			
	IP	5.800	315425.028	6256823.455		R = 1.050	1.649	89°59'56.02"
	CT	6.399	315425.321	6256824.463	16° 10' 26.04"			
L7	BP	6.399	315425.321	6256824.463	16° 10' 26.04"		1.450	
	EP	7.849	315425.725	6256825.856				
L8	BP	7.849	315425.725	6256825.856	106° 08' 40.31"		5.303	
	EP	13.153	315430.819	6256824.381				

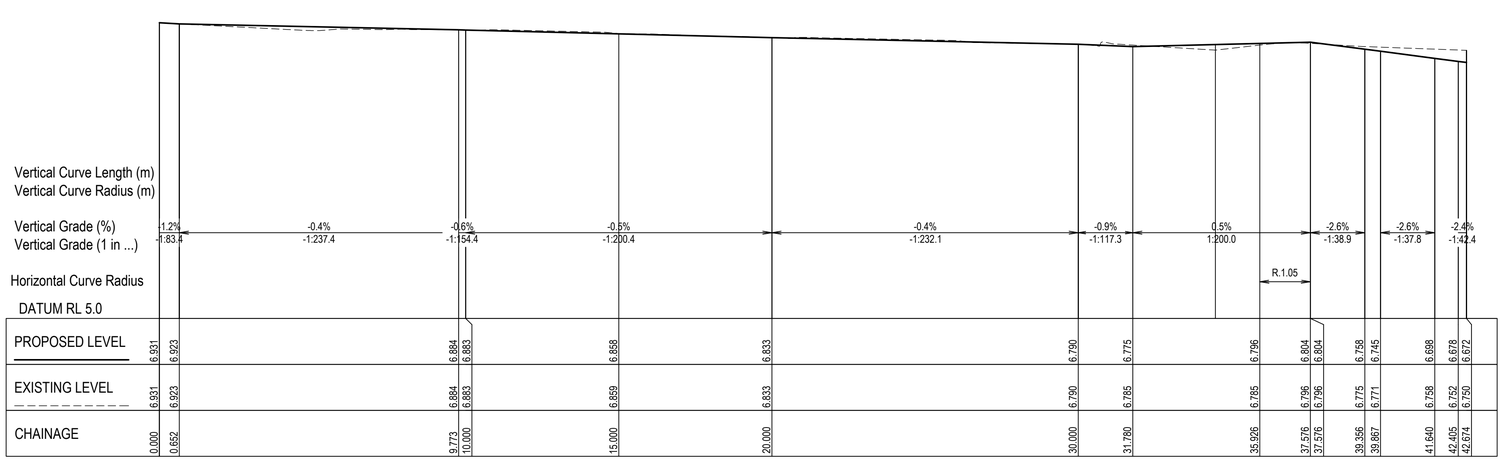
CONTROL LINE SETOUT MK03

	PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
L9	BP	0.000	315455.545	6256804.946	286° 08' 53.50"		0.652	
	EP	0.652	315454.918	6256805.127				
L10	BP	0.652	315454.918	6256805.127	294° 13' 18.94"		9.120	
	EP	9.773	315446.601	6256808.869				
L11	BP	9.773	315446.601	6256808.869	286° 10' 22.07"		24.704	
	EP	34.477	315422.874	6256815.750				
L12	BP	34.477	315422.874	6256815.750	16° 12' 34.13"		1.449	
	EP	35.926	315423.279	6256817.142				
C2	TC	35.926	315423.279	6256817.142	16° 12' 34.13"			
	IP	36.977	315423.572	6256818.151		R = 1.050	1.650	90°02'12.05"
	CT	37.576	315422.563	6256818.443	286° 10' 22.08"			
L13	BP	37.576	315422.563	6256818.443	286° 10' 22.08"		5.098	
	EP	42.674	315417.667	6256819.863				



MK02 LONGITUDINAL SECTION

SCALE 1:100 HORI.
1:20 VERT.



MK03 LONGITUDINAL SECTION

SCALE 1:100 HORI.
1:20 VERT.

Issue	Description	DR	CH	VE	Date
02	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
01	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	MK	10.09.2025

100mm on Original

Scales

0 1 2 4 6 8 10m
1 : 100
0 0.5 1 1.5 2m
1 : 20

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	L. CORSCADDEN	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK
PHILLIP STREET WORKS

Title: KERB RETURNS
SHEET 1

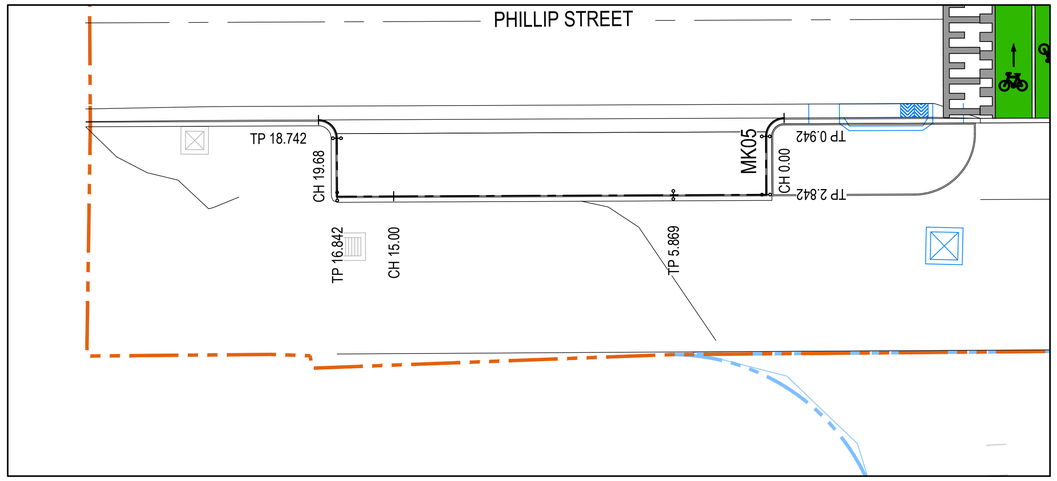
ARCADIS
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0311

Issue: 02

Date Plotted: 3 Oct 2025 - 06:01pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0311-KerbReturnsSheet1.dwg

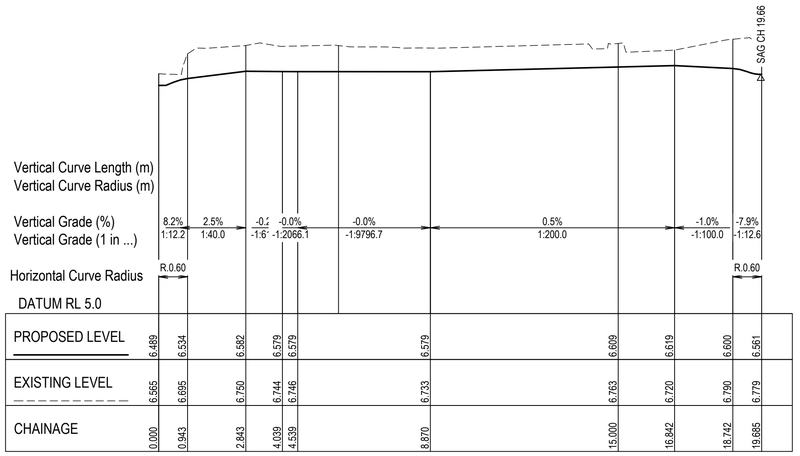


MK05
1 : 100

CONTROL LINE SETOUT MK05								
	PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
C3	TC IP CT	0.000 0.600 0.942	315400.635 315400.058 315399.891	6256824.334 6256824.501 6256823.925	286° 10' 22.43" 196° 10' 22.00"	R = 0.600	0.942	90°00'00.43"
L17	BP EP	0.942 2.842	315399.891 315399.362	6256823.925 6256822.100	196° 10' 21.97"		1.900	
L18	BP EP	2.842 5.869	315399.362 315396.455	6256822.100 6256822.943	286° 10' 22.09"		3.027	
L19	BP EP	5.869 16.842	315396.455 315385.916	6256822.943 6256826.000	286° 10' 22.07"		10.973	
C4	TC IP CT	16.842 18.742 19.342	315385.916 315386.446 315386.036	6256826.000 6256827.824 6256828.568	16° 10' 22.00" 286° 10' 22.07"	R = 0.600	1.900	90°00'00.00"

LEGEND

- HORWOOD PLACE WORKS SITE BOUNDARY
- PHILLIP STREET WORKS SITE BOUNDARY
- CH. 0.000 — CHAINAGE AND CONTROL LINE
- PROPOSED KERB INLET PIT
- PROPOSED JUNCTION PIT
- PROPOSED BUTTERFLY GRATED PIT
- EXISTING JUNCTION PIT
- EXISTING GRATED PIT



MK05 LONGITUDINAL SECTION
SCALE 1:100 HORI.
1:20 VERT.

Issue	Description	DR	CH	VE	Date
02	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
01	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	MK	10.09.2025

100mm on Original

Scales
0 1 2 4 6 8 10m
1 : 100
0 0.5 1 1.5 2m
1 : 20

Surveyor: surveyplus, DURKIN
Architect: OCULUS
Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	L. CORSCADDEN	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK
PHILLIP STREET WORKS

Title: KERB RETURNS
SHEET 2

ARCADIS
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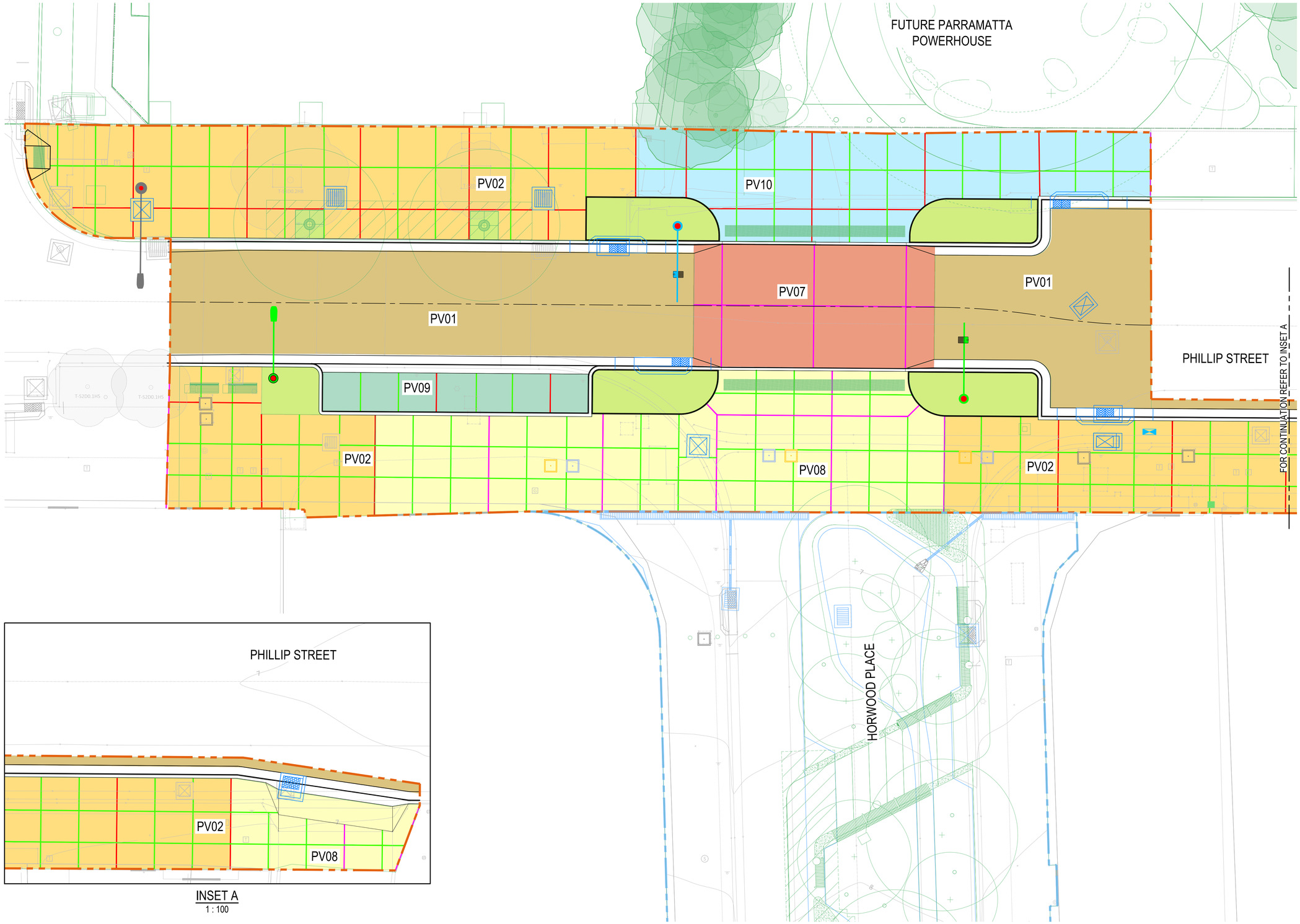
www.arcadis.com/au

Project Number: 30286862
Drawing No.: CL3-AAP-DD-PS-DRG-CI-0312
Issue: 02

Date Plotted: 3 Oct 2025 - 06:01pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0312-KerbReturnsSheet2.dwg



INSET A
1 : 100

LEGEND

- PHILLIP STREET WORKS SITE BOUNDARY
- HORWOOD PLACE WORKS SITE BOUNDARY
- ARCHITECTURAL WORKS
- PV01 — PAVEMENT TYPE PV01
- PV02 — PAVEMENT TYPE PV02
- PV07 — PAVEMENT TYPE PV07
- PV08 — PAVEMENT TYPE PV08
- PV09 — PAVEMENT TYPE PV09
- PV10 — PAVEMENT TYPE PV10
- PROPOSED LANDSCAPING
- EXPANSION JOINT (EJ)
- SAWN JOINT (SJ)
- DOWELLED EXPANSION JOINT (DEJ)

NOTES

1. REFER TO DRAWING CL3-AAP-DD-HP-DRG-CI-0361 FOR JOINTING DETAILS.
2. JOINTING LAYOUT PLAN IS INDICATIVE BASED ON AVAILABLE INFORMATION. ADJUSTMENTS ON SITE SHOULD MAINTAIN THE DESIGN INTENT AS NOTED IN THE DRAWINGS AND NOTES.
3. SHAPE RATIO TO BE MAXIMUM OF 3:2 WITH THE LONGEST LENGTH TO BE A MAXIMUM OF 3m.
4. EVERY THIRD JOINT TO BE AN EXPANSION JOINT (IN NON TRAFFICABLE AREAS) AND A DOWEL EXPANSION JOINT (IN TRAFFICABLE AREAS)
5. ALL PITS AND INTERFACES WITH STRUCTURES TO NEW PAVEMENT TO HAVE ISOLATION JOINTS. WHERE ADDITIONAL PITS ARE FOUND ON SITE, JOINTING PLAN TO BE ADJUSTED AS PER NOTE 2.
6. ALL PIT LIDS TO HAVE TRIMMER BARS AT CORNERS, REFER TO DETAIL ON CIVIL WORKS DETAILS DRAWING.
7. NOTIFY ENGINEER PRIOR OF CONSTRUCTION OF ADDITIONAL INTERFACES AND CONFIRM IF UPDATE IS REQUIRED.
8. CURRENT DESIGN ASSUMES NATURAL GRANITE PAVERS WITH MINIMUM 16.9MPa FLEXURAL STRENGTH SOAKED FOR PAVEMENTS EXPERIENCING VEHICULAR TRAFFIC LOADING. HOLD POINT, CONTRACTOR TO NOTIFY ENGINEER OF MINIMUM FLEXURAL STRENGTH AND RECEIVE APPROVAL PRIOR TO PROCUREMENT AND CONSTRUCTION.
9. ALLOWANCE FOR AN ADDITIONAL 10% OF PAVERS TO BE INCLUDED IN TENDERING, TO BE SUPPLIED TO ASSET OWNER FOR MAINTENANCE. FINAL QUANTITY TO BE CONFIRMED BY ASSET OWNER PRIOR TO PROCUREMENT.
10. FOR JOINT LAYOUT OF ALL KERB RAMPS AND ACCESS CROSSINGS REFER TO CITY OF PARRAMATTA COUNCIL STANDARD DRAWINGS

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

Scales

0 1 2 4 6 8 10m

1 : 100

100mm on Original

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	L. CORSCADDEN	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: PAVEMENT PLAN

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0341

Issue: 03

Date Plotted: 3 Oct 2025 - 06:00pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0341-PavementPlan.dwg

FUTURE PARRAMATTA POWERHOUSE

PHILLIP STREET

BL1

LEGEND

- HORWOOD PLACE WORKS SITE BOUNDARY
- PHILLIP STREET WORKS SITE BOUNDARY
- EXISTING SIGN POST
- PROPOSED SIGN POST
- LINEMARKING DELINEATION BL1

NOTES

1. PAVEMENT MARKINGS AS PER NSW DELINEATION GUIDELINES.
2. SIGNS AS PER TINSW GUIDELINES.

INSET A
1 : 100

Issue	Description	DR	CH	VE	Date
02	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	CR	GD	03.10.2025
01	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	CR	MK	03.10.2025

Scales
0 1 2 4 6 8 10m
1 : 100

100mm on Original

Surveyor: surveyplus, DURKIN
Architect: OCULUS
Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	L. CORSCADDEN	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: SIGNAGE AND LINE MARKING PLAN

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

Project Number: 30286862

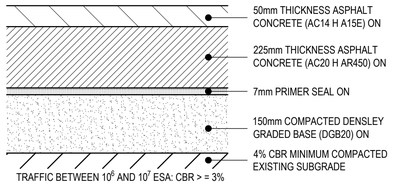
Drawing No.: CL3-AAP-DD-PS-DRG-CI-0351

Issue: 02

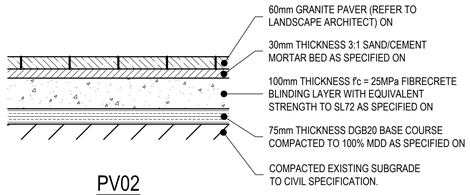
Date Plotted: 3 Oct 2025 - 06:00pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0351-SignageAndLinemarkingPlan.dwg

NOTES

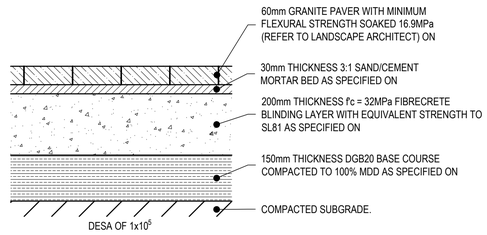
1. REFER TO DRAWING CL3-AAP-DD-HP-DRG-CI-0341 FOR PAVEMENT PLAN.



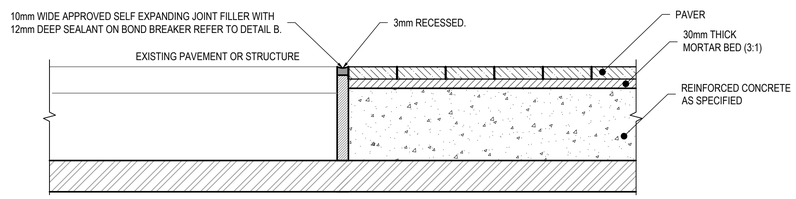
PV01
N.T.S.



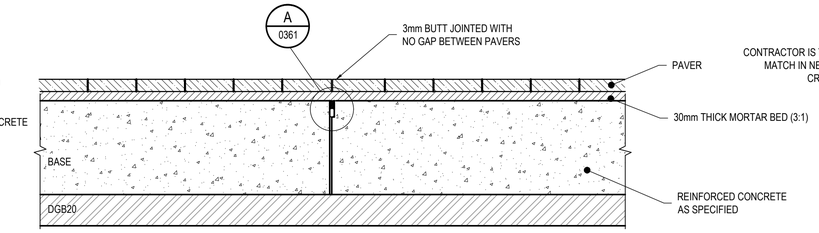
PV02
N.T.S.



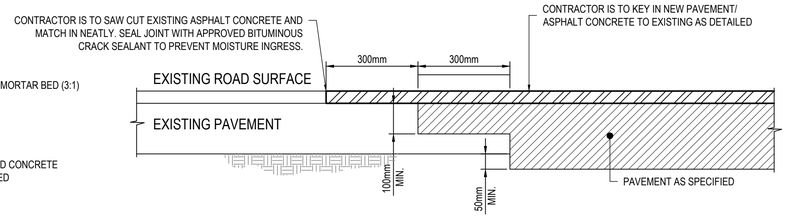
PV08 & PV09 & PV10
N.T.S.



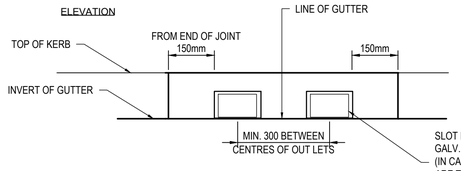
JOINT TYPE
FORMED ISOLATION JOINT (IJ)
SCALE 1:10



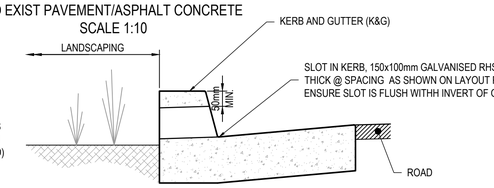
JOINT TYPE
SAWN JOINT (SJ)
SCALE 1:10



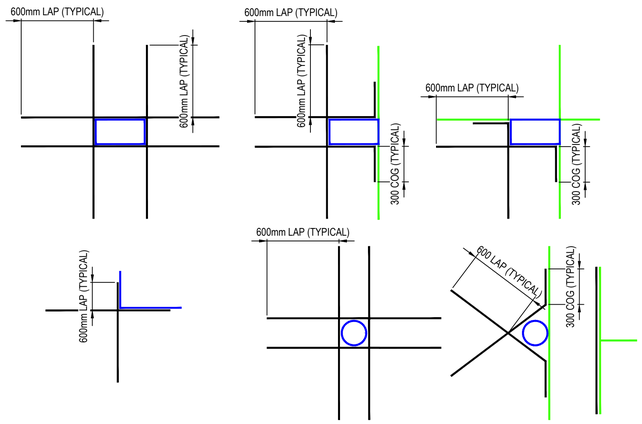
SAWCUT INTERFACE WITH EXISTING PAVEMENT
TYPICAL DETAIL SHOWING LONGITUDINAL CONSTRUCTION DETAIL FOR CONNECTION TO EXIST PAVEMENT/ASPHALT CONCRETE
SCALE 1:10



SLOTTED KERB ELEVATION
1 : 10



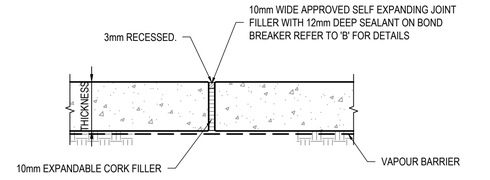
SLOTTED KERB SECTION
1 : 10



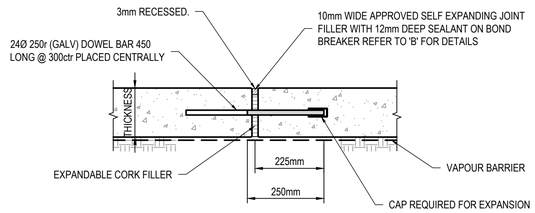
NOTES
1. PROVIDE TRIMMER BARS AT SLAB PENETRATIONS (COLUMNS, WALLS, PITS ETC)
2. ALL TRIMMER BARS TO BE 1N16 U.N.O
3. PROVIDE 50 COVER EACH FACE U.N.O
4. TRIMMER DETAILS ARE TO BE READ IN CONJUNCTION WITH GIVEN JOINTING DETAILS
5. TRIMMER BARS TO MAINTAIN A MINIMUM OFFSET OF 50mm FROM ALL JOINTS

LEGEND
- TRIMMER BAR
- SLAB PENETRATION WITH ISOLATION JOINT
- JOINT

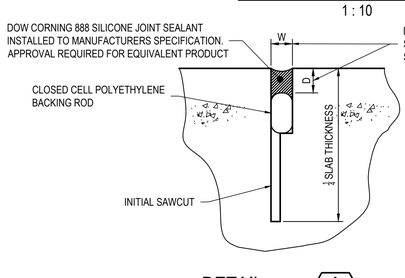
TYPICAL SLAB ON GROUND TRIMMER BAR DETAILS
SCALE N.T.S.



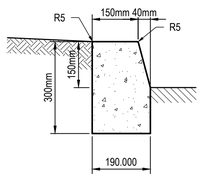
EXPANSION JOINT (EJ)
SCALE 1:10



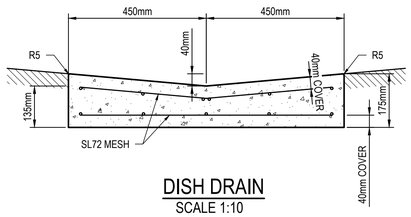
DOWELLED EXPANSION JOINT (DEJ)
SCALE 1:10



DETAIL A
N.T.S. 0361



KERB ONLY
SCALE 1:10



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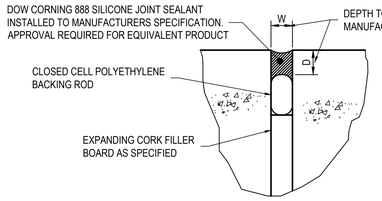

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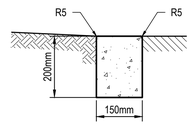

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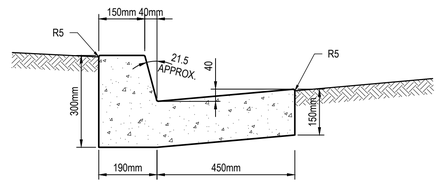
SCALE 1:10



KERB & GUTTER
SCALE 1:10

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

100mm on Original

Scales
0 100 200 400 600 800 1000mm
1 : 10

Surveyor: surveyplus DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	T. SUMMERSBY	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: CIVIL WORKS DETAILS SHEET 1

ARCADIS
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Level 16, 580 George Street
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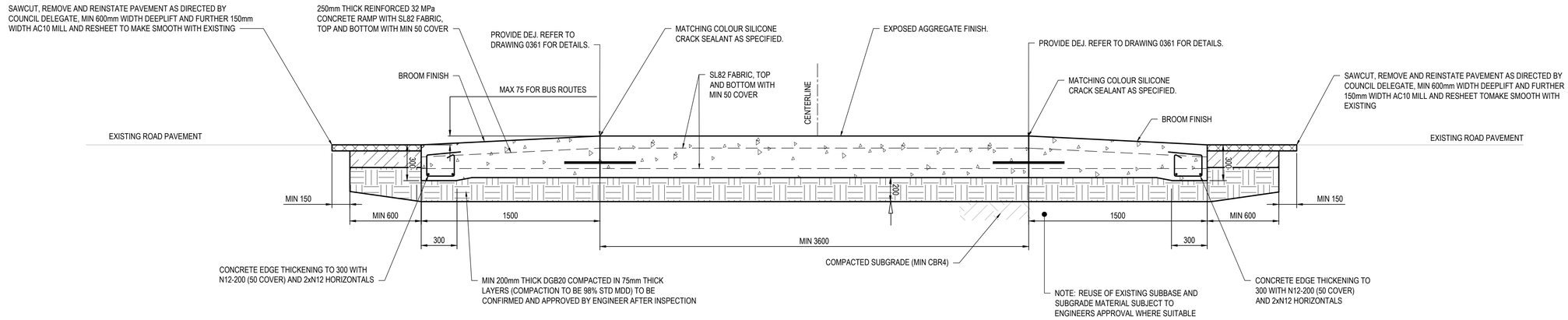
ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0361

Issue: 03

Date Plotted: 3 Oct 2025 - 05:59pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0361-CivilWorksDetailsSheet1.dwg



RAISED PEDESTRIAN CROSSING DETAIL (PV07)

NTS

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	10.09.2025

100mm on Original

Scales

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	T. SUMMERSBY	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: CIVIL WORKS DETAILS SHEET 2

ARCADIS
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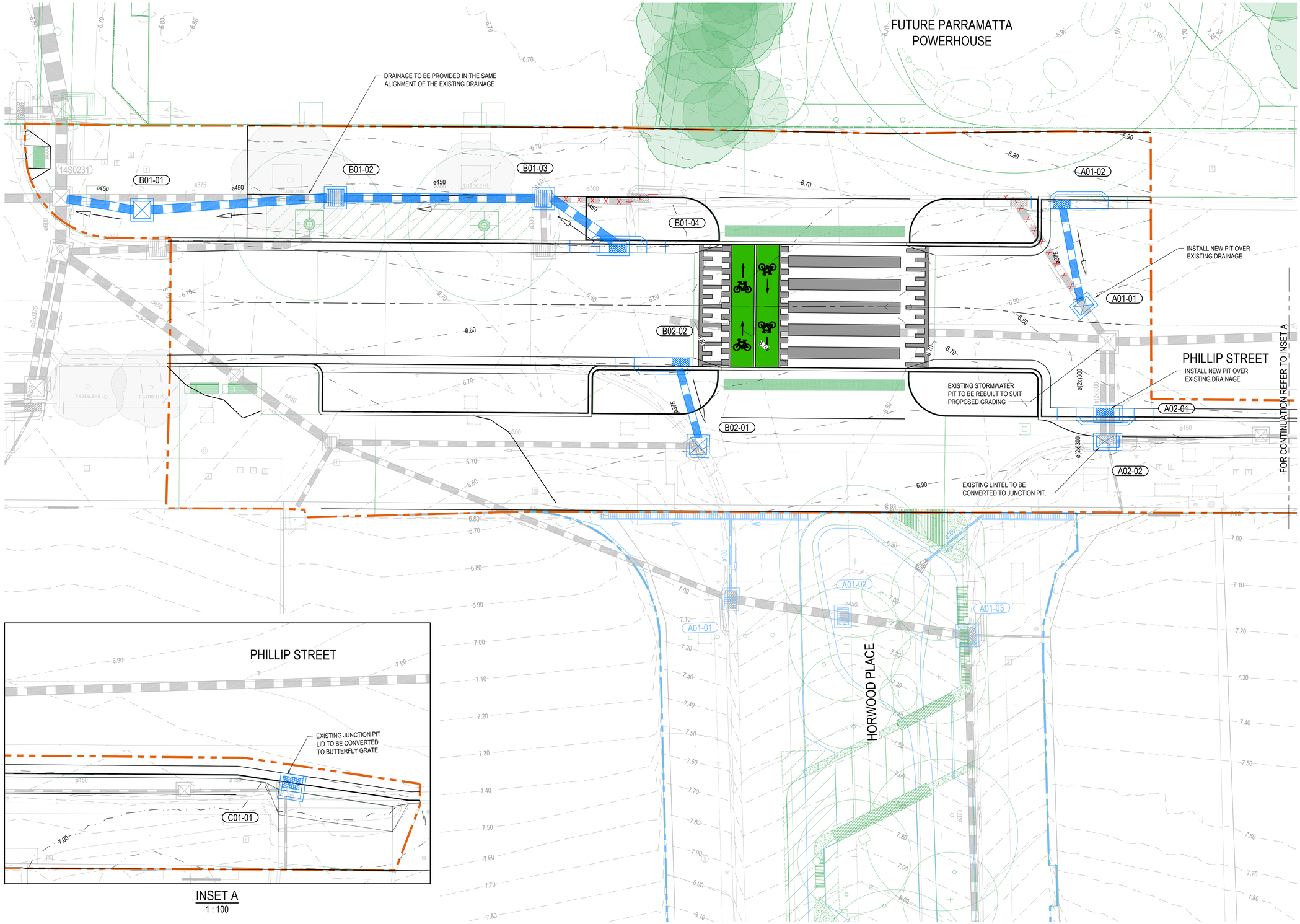
Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0362

Issue: 03

Date Plotted: 3 Oct 2025 - 05:58pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0362-CivilWorksDetailsSheet2.dwg



INSET A
1 : 100

LEGEND

- PHILLIP STREET WORKS SITE BOUNDARY
- HORWOOD PLACE WORKS SITE BOUNDARY
- EXISTING CONTOURS
- DESIGN CONTOURS
- ARCHITECTURAL WORKS
- PROPOSED KERB INLET PIT
- PROPOSED STORMWATER PIPE
- PROPOSED JUNCTION PIT
- PROPOSED BUTTERFLY GRATED PIT
- ø375 — PROPOSED PIPE LABEL
- B01-2 — PROPOSED PIT LABEL
- EXISTING KERB INLET PIT
- EXISTING JUNCTION PIT
- EXISTING GRATED PIT
- ø375 — EXISTING PIPE LABEL
- EX 14-02 — EXISTING PIT LABEL
- EXISTING STORMWATER PIPE
- FUTURE KERB INLET PIT
- FUTURE JUNCTION PIT
- FUTURE GRATED PIT
- FUTURE GRATED DRAIN
- ø375 — FUTURE PIPE LABEL
- A01-01 — FUTURE PIT LABEL
- FUTURE STORMWATER PIPE
- EXISTING DRAINAGE TO BE REMOVED

NOTES

1. AT ALL TIMES DURING STORMWATER PIPE INSTALLATION AND CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE UNDERTAKEN TO MITIGATE THE POTENTIAL FOR PERSONNEL FALLING DOWN TRENCHES AND PITS.
2. ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE NOMINATED AUTHORITY FOR FURTHER INSTRUCTION.
3. ALL CONSTRUCTED DRAINAGE LINES AND PITS SHALL BE FLUSHED AND CLEANED AT THE COMPLETION OF WORKS.
4. ALL PITS, GRATES AND STRUCTURES MUST CONFORM TO TfNSW AND PARRAMATTA CITY COUNCIL STANDARDS.
5. EXISTING DRAINAGE PIT AND PIPE LAYOUT SHOWN ON THE DRAWINGS ARE INDICATIVE ONLY. ALL LOCATIONS, ORIENTATION AND LEVELS OF EXISTING DRAINAGE MUST BE VERIFIED ON SITE PRIOR TO COMMENCING ANY WORK.

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

Scales

0 1 2 4 6 8 10m

1 : 100

100mm on Original

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	J. PEÑA	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK
PHILLIP STREET WORKS

Title: STORMWATER PLAN

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Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
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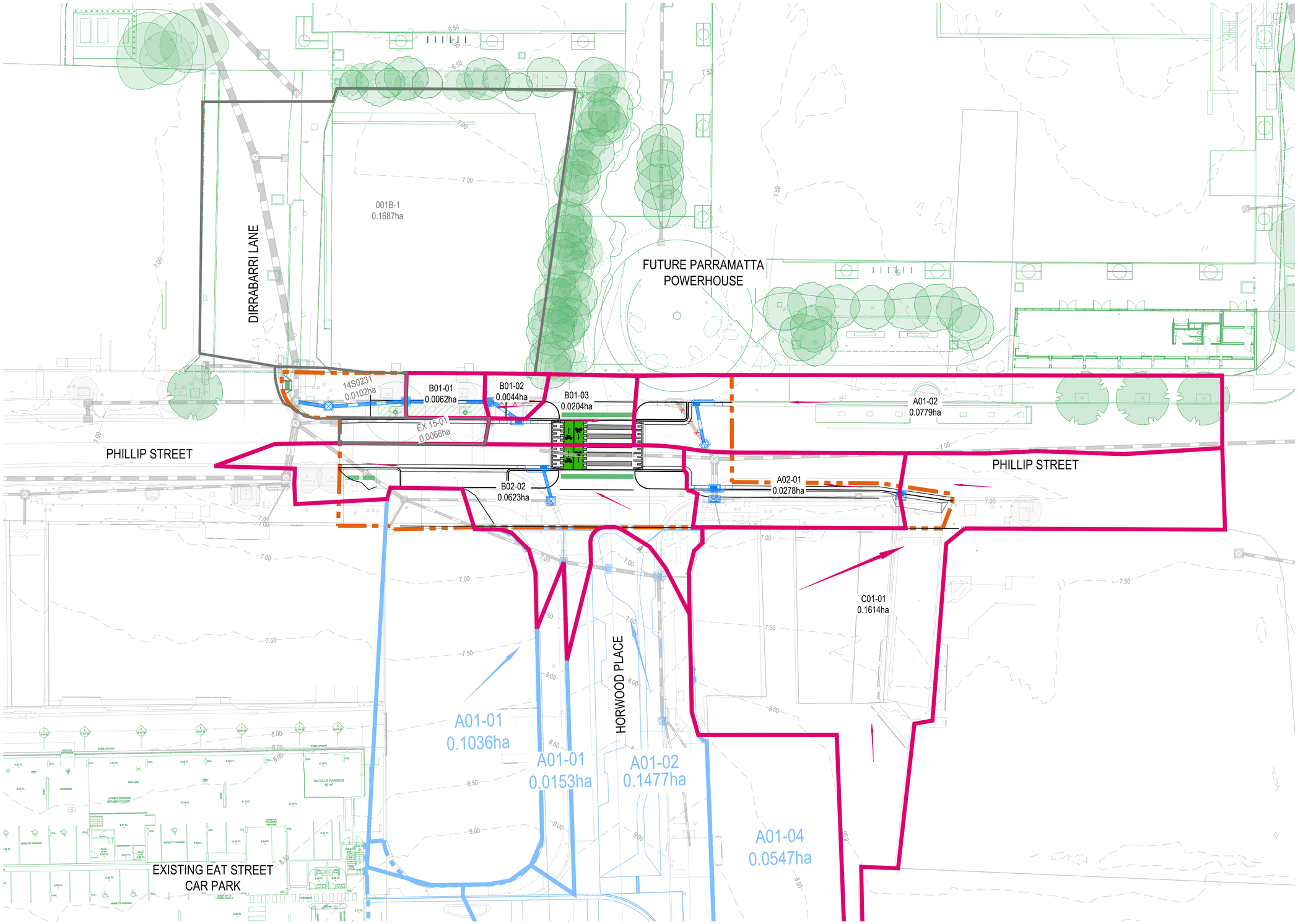
Tel No: +61 2 8907 9000
www.arcadis.com/au

Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0401

Issue: 03

Date Plotted: 3 Oct 2025 - 06:01pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0401-StormwaterPlan.dwg



LEGEND

- PHILLIP STREET WORKS SITE BOUNDARY
- HORWOOD PLACE WORKS SITE BOUNDARY
- DESIGN CONTOURS
- EXISTING CONTOURS
- DESIGN CONTOURS
- ARCHITECTURAL WORKS
- PROPOSED CATCHMENT BOUNDARY
- PROPOSED CATCHMENT FLOW
- B01-2 0.0277ha — PROPOSED CATCHMENT LABEL
- EXISTING CATCHMENT BOUNDARY
- PROPOSED CATCHMENT FLOW
- 001C-1 0.1958ha — EXISTING CATCHMENT LABEL
- FUTURE CATCHMENT BOUNDARY
- FUTURE CATCHMENT FLOW
- A01-03 0.076ha — FUTURE CATCHMENT LABEL
- PROPOSED KERB INLET PIT
- PROPOSED JUNCTION PIT
- PROPOSED BUTTERFLY GRATED PIT
- EXISTING INLET PIT
- EXISTING JUNCTION PIT
- EXISTING GRATED PIT
- FUTURE KERB INLET PIT
- FUTURE JUNCTION PIT
- FUTURE GRATED PIT
- FUTURE GRATED DRAIN
- EXISTING DRAINAGE TO BE REMOVED

NOTES

1. AT ALL TIMES DURING STORMWATER PIPE INSTALLATION AND CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE UNDERTAKEN TO MITIGATE THE POTENTIAL FOR PERSONNEL FALLING DOWN TRENCHES AND PITS.
2. ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE NOMINATED AUTHORITY FOR FURTHER INSTRUCTION.
3. ALL CONSTRUCTED DRAINAGE LINES AND PITS SHALL BE FLUSHED AND CLEANED AT THE COMPLETION OF WORKS.
4. ALL PITS, GRILLES AND STRUCTURES MUST CONFORM TO TINSW AND PARRAMATTA CITY COUNCIL STANDARDS.
5. EXISTING DRAINAGE PIT AND PIPE LAYOUT SHOWN ON THE DRAWINGS ARE INDICATIVE ONLY. ALL LOCATIONS, ORIENTATION AND LEVELS OF EXISTING DRAINAGE MUST BE VERIFIED ON SITE PRIOR TO COMMENCING ANY WORK.

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

Scales

0 5 10 15 20 25m

1 : 250

100mm on Original

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	J. PEÑA	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: CATCHMENT PLAN

ARCADIS
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Level 16, 580 George Street
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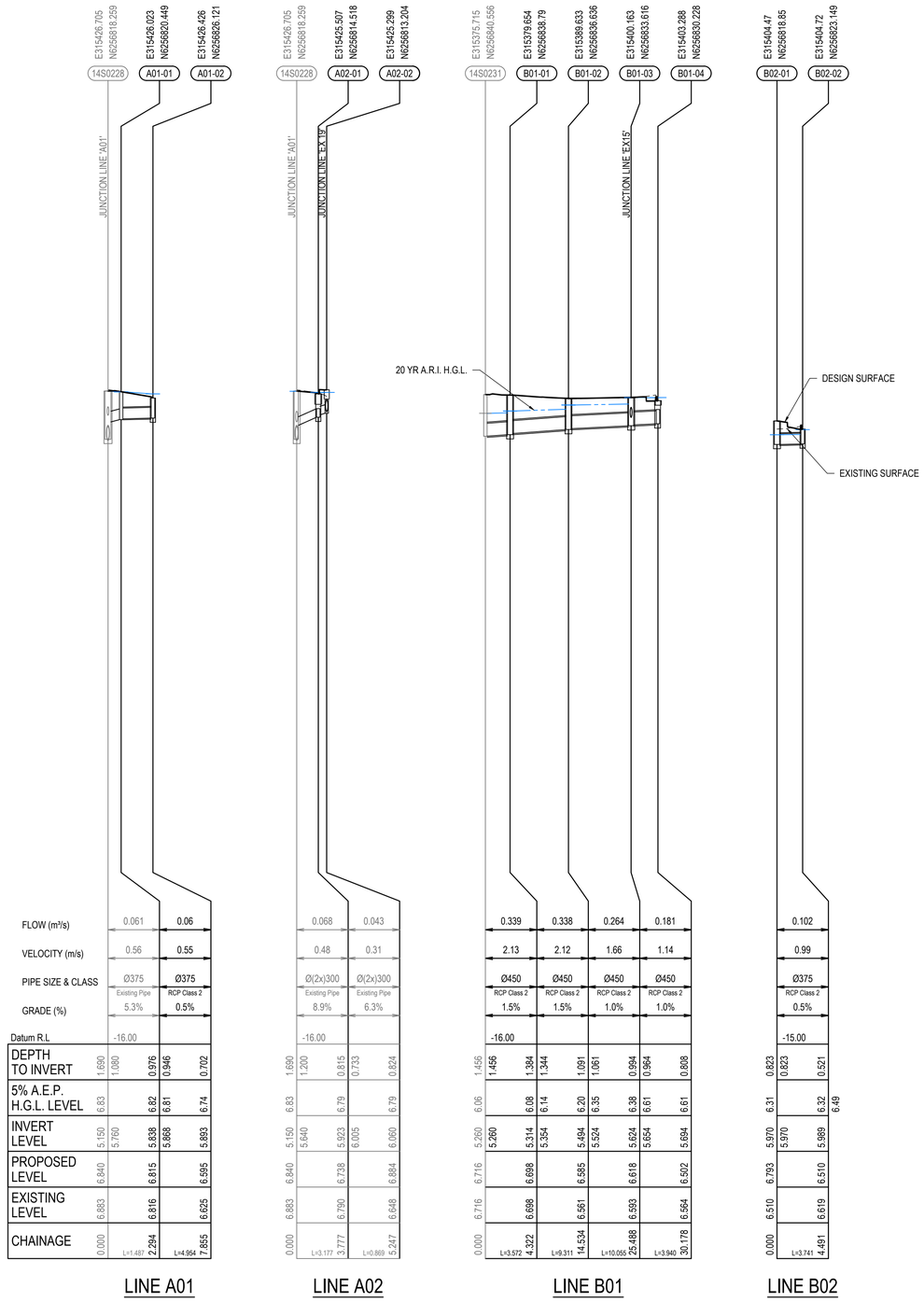
www.arcadis.com/au

Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0421

Issue: 03

Date Plotted: 3 Oct 2025 - 06:01pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0421-CatchmentPlan.dwg



	A01-01	A01-02	A02-01	A02-02	B01-01	B01-02	B01-03	B01-04	B02-01	B02-02
FLOW (m³/s)	0.061	0.06	0.068	0.043	0.339	0.338	0.264	0.181	0.102	
VELOCITY (m/s)	0.56	0.55	0.48	0.31	2.13	2.12	1.66	1.14	0.99	
PIPE SIZE & CLASS	Ø375 Existing Pipe	Ø375 RCP Class 2	Ø(2x)300 Existing Pipe	Ø(2x)300 Existing Pipe	Ø450 RCP Class 2	Ø450 RCP Class 2	Ø450 RCP Class 2	Ø450 RCP Class 2	Ø375 RCP Class 2	
GRADE (%)	5.3%	0.5%	8.9%	6.3%	1.5%	1.5%	1.0%	1.0%	0.5%	
Datum R.L	-16.00		-16.00		-16.00				-15.00	
DEPTH TO INVERT	1.690 1.080	0.976	0.946	0.702	1.690 1.200	0.815	0.733	0.824	1.456 1.456	1.384 1.344 1.091 1.061 0.994 0.964 0.808
5% A.E.P. H.G.L. LEVEL	6.83	6.82	6.81	6.74	6.83	6.79		6.79	6.06	6.08 6.14 6.20 6.35 6.38 6.61 6.61
INVERT LEVEL	5.150 5.760	5.838	5.868	5.893	5.150 5.640	5.923	6.005	6.060	5.260 5.260	5.314 5.354 5.494 5.524 5.624 5.654 5.694
PROPOSED LEVEL	6.840	6.815		6.595	6.840	6.738		6.884	6.716	6.698 6.585 6.618 6.502
EXISTING LEVEL	6.883	6.816		6.625	6.883	6.790		6.648	6.716	6.698 6.561 6.593 6.564
CHAINAGE	0.000 L=1.487	2.294	L=4.954	7.855	0.000	3.777	L=0.869	5.247	0.000 L=3.572	4.322 L=9.311 14.534 L=10.055 25.486 L=3.940 30.178
									0.000	0.823 0.823 0.521 6.31 5.970 5.970 5.989 6.32 6.49 6.793 6.510 6.619 6.510 L=3.741 4.491

LINE A01 LINE A02 LINE B01 LINE B02

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

Scales

0 0.5 1 2 3 4 5m

1 : 50

0 0.5 1 1.5 2 2.5m

1 : 25

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	J. PEÑA	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: STORMWATER LONGITUDINAL SECTIONS

ARCADIS
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Tel No: +61 2 8907 9000
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Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0441

Issue: 03

100mm on Original

Date Plotted: 3 Oct 2025 - 05:58pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0441-StormwaterLongitudinalSections.dwg

PIT SCHEDULE

PIT NAME	PIT WIDTH 'X' (mm)	PIT LENGTH 'Y' (mm)		COVER SPECIFICATION	DRAWING REFERENCE	COVER CLASS	COMMENTS
A01-01	600	900	JUNCTION	600x900 Concrete Infill Cover	CITY OF PARRAMATTA COUNCIL DRG DS26	D	PIT TO SUIT EXISTING PIPELINE
A01-02	600	900	LINTEL	2.4m Lintel with 450x900 Grate	CITY OF PARRAMATTA COUNCIL DRG DS21	D	
A02-01	600	1200	LINTEL	2.4m Lintel with 450x900 Grate	CITY OF PARRAMATTA COUNCIL DRG DS24	D	BUILD PIT ALONG EXISTING PIPELINE
A02-02	600	1200	JUNCTION	600x900 Infill Cover to Suit 60 mm Paver	CITY OF PARRAMATTA COUNCIL DRG DS26	B	EXISTING PIT TO BE REBUILT
B01-01	900	900	JUNCTION	900x900 Infill Cover to Suit 60 mm Paver	CITY OF PARRAMATTA COUNCIL DRG DS26	D	
B01-02	900	900	GRATE	900x900 Grate	CITY OF PARRAMATTA COUNCIL DRG DS25	D	EXISTING PIT AND PIPE TO BE REBUILT
B01-03	900	900	GRATE	900x900 Grate	CITY OF PARRAMATTA COUNCIL DRG DS25	D	EXISTING PIT AND PIPE TO BE REBUILT
B01-04	600	1400	LINTEL	2.4m Lintel with 450x900 Grate	CITY OF PARRAMATTA COUNCIL DRG DS24	D	
B02-01	900	900	JUNCTION	900x900 Infill Cover to Suit 60 mm Paver	CITY OF PARRAMATTA COUNCIL DRG DS26	B	EXISTING PIT TO BE REBUILT
B02-02	600	900	LINTEL	2.4m Lintel with 450x900 Grate	CITY OF PARRAMATTA COUNCIL DRG DS21	D	
C01-01	1050	1050	GRATE	600x900 V-Grate	CITY OF PARRAMATTA COUNCIL DRG DS29	D	PIT TO SUIT EXISTING INVERTS

NOTE:

1. SETOUT LEVEL AT FINISHED SURFACE OF PIT GRATE.

Issue	Description	DR	CH	VE	Date
02	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
01	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	MK	10.09.2025

Scales

100mm on Original

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	J. PEÑA	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: PIT SCHEDULE

ARCADIS
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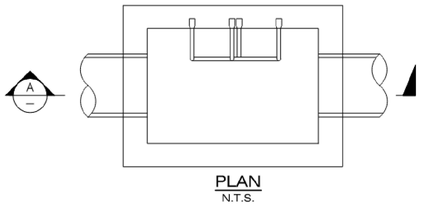
www.arcadis.com/au

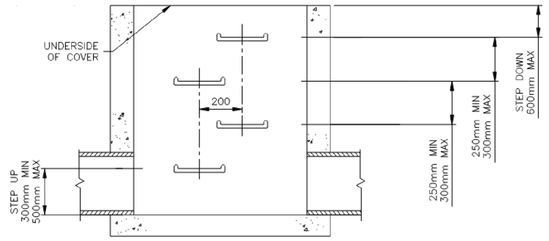
Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0471

Issue: 02

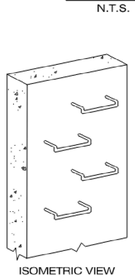
Date Plotted: 3 Oct 2025 - 05:59pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0471-PitSchedule.dwg

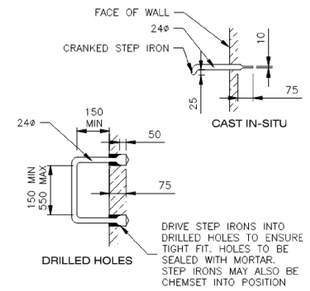




STEP IRON LADDER NOTES:

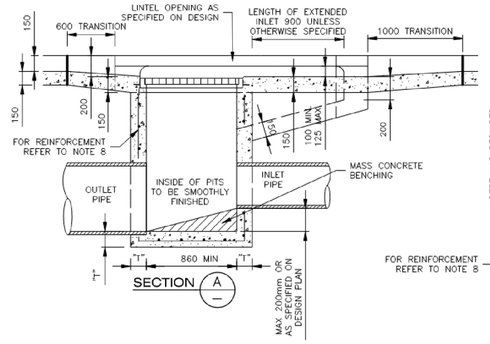
1. PITS DEEPER THAN 1200mm MUST BE FITTED WITH STEP IRONS.
2. VERTICAL RISE NOT TO EXCEED 6m.
3. STEP IRONS TO BE LOCATED DESIRABLY ON A WALL WITHOUT PIPE OPENINGS AND ON ONE OF THE LONG SIDES OF THE PIT AND ARE NOT TO OBSTRUCT MAIN FLOW.
4. STEEL FOR STEP IRONS SHALL BE STRUCTURAL GRADE 250 TO AS/NZS 3679.1:2016 MINIMUM 20mm ø DESIRABLY 24mm ø.
5. STEP IRONS SHALL HAVE SHARP EDGES ROUNDED AND HOT DIP GALVANISED AFTER FABRICATION TO AS/NZS 4680:2006 (R2017).
6. ALL BENDS TO BE FORMED AROUND 12mm ø PIN.
7. STEP IRONS TO COMPLY WITH AS 1657:2018 AND MANUFACTURERS SPECIFICATIONS EN 13101:2002.
8. TO AVOID SLIPS GALVANISED STEEL STEP IRONS MUST BE CRANKED. PLASTIC COATED STEP IRONS SHOULD BE TEXTURED FOR GRIP AND MUST HAVE FORMED RETURNS ON SIDES.
9. STEP IRONS SHALL BE PROVIDED WITH SUITABLE CORROSION PROTECTION (eg. PLASTIC ENCAPSULATION) IN ACCORDANCE WITH EN 13101:2002.
10. STEP IRONS TO BE SPACED EVENLY FROM TOP TO BOTTOM NOT LESS THAN 250mm OR MORE THAN 300mm.
11. THE TOP OF THE BOTTOM RUNG MUST NOT BE MORE THAN 500mm OR LESS THAN 300mm ABOVE THE INVERT OF THE PIT.
12. THE TOP OF THE UPPER MOST RUNG MUST NOT BE MORE THAN 600mm BELOW THE TOP OF THE PIT.
13. FOR PRECAST PITS, STEP IRONS SHALL BE LOAD TESTED TO AS 4198-1994.
14. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

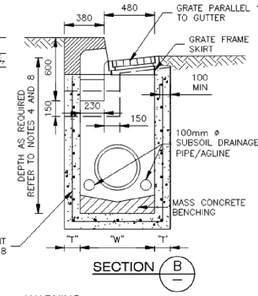




STEP IRON DETAILS
N.T.S. (in mm)

STEP IRONS
CITY OF PARAMATTA COUNCIL (DS19)





NOTES

1. ALL KERB INLET PITS (ON GRADE) SHALL BE PROVIDED WITH AN EXTENDED INLET 900mm (MIN) LONG ON THE HIGHER SIDE.
2. PITS DEEPER THAN 2500mm TO BE DESIGNED AND CERTIFIED BY A QUALIFIED EXPERIENCED PRACTICING STRUCTURAL ENGINEER. (PRECAST OR CAST IN-SITU)
3. PRE-CAST PITS CAN BE USED ONLY IF THEY ARE CONSISTENT WITH COUNCIL'S MINIMUM REQUIREMENTS AS SHOWN ON COUNCIL'S STANDARD DRAWINGS AND IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND AT THE DIRECTION OF THE SUPERINTENDENT.
4. STEP IRONS TO BE PROVIDED AT 300mm CENTRES FOR PITS GREATER THAN 1200mm DEEP AND PLACED ON A WALL CLEAR OF FLOW WHERE POSSIBLE IN ACCORDANCE WITH AS 1657:2018. REFER TO COUNCIL STANDARD DRAWING DS19.
5. CONCRETE TO BE A MINIMUM OF N32 IN ACCORDANCE WITH AS 1012, AS 1379-2007 (R2017) AND AS 3600:2018.
6. MINIMUM COVER TO ALL PIPES TO BE 600mm UNDER ROADS AND 450 ELSEWHERE.
7. ALL INTERNAL PIT CORNERS TO BE PROVIDED WITH BENCHING TO IMPROVE FLOW.
8. WHERE INTERNAL WIDTH EXCEEDS 750mm OR DEPTH EXCEEDS 1200mm WALLS TO BE REINFORCED. PROVIDE N16 REINFORCEMENT AT 250mm CENTRE/CENTRE BOTH WAYS OR MESH SL72 CENTRALLY PLACED.
9. MINIMUM WALL AND BASE THICKNESS MUST BE 150mm ("T") AND WHERE PIT DEPTH EXCEEDS 1200mm TO BE 200mm ("T") OR AS SPECIFIED ON THE DESIGN.
10. MINIMUM WIDTH OF "W" SHOULD BE OD (OUTER DIAMETER) OF LARGER PIPE + 200mm.
11. SELECTED GRANULAR MATERIAL BACKFILL SHALL BE PLACED TO FILL ALL EXCAVATED VOIDS. REFER TO AS / NZS 3725:2007.
12. ALL PIPES TO BE LAID SO THAT THEIR CENTRELINES INTERSECT AT THE CENTRE OF THE PIT.
13. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.

WARNING

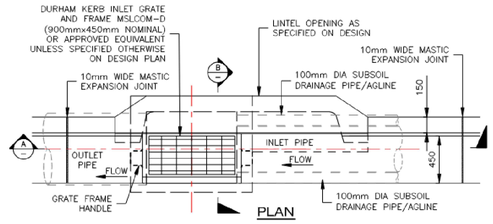
IN THE LIKELIHOOD THAT ASBESTOS OR OTHER CONTAMINATED CONTAINING MATERIALS MAY BE PRESENT, EXERCISE APPROPRIATE CAUTION AND TREAT IN ACCORDANCE WITH WHS REGULATIONS AND THE EPA CONTAMINATED LAND MANAGEMENT REGULATION.

PIT GRATE AND FRAME

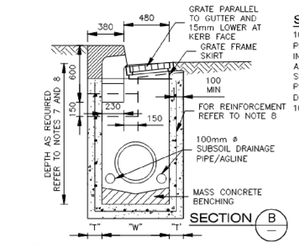
- PIT GRATE AND FRAME ARE TO BE DURHAM DRAINAGE PRODUCTS OR APPROVED EQUIVALENT AND COMPLY TO AS 3996:2019.
- CLASS OF GRATE AND FRAME ARE TO BE CLASS "D" FOR ROAD WAY. CLASS "C" ELSEWHERE.
- GRATE AND FRAME TO BE "MEDIUM/HEAVY TRAFFICABLE BIKE SAFE.

SUBSOIL DRAINAGE PIPE

100mm DIA. SUBSOIL DRAINAGE PIPE/AGLINE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PLACED ADJACENT TO INLET PIPES ON BOTH SIDES AND 100mm MINIMUM ABOVE PIT FLOOR. SURROUND SUBSOIL DRAINAGE PIPE/AGLINE WITH 10mm AGGREGATE.



KERB INLET PIT (ON GRADE)
CITY OF PARAMATTA COUNCIL (DS21)

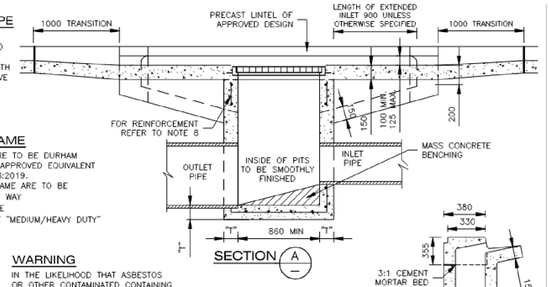


SUBSOIL DRAINAGE PIPE

100mm DIA. SUBSOIL DRAINAGE PIPE/AGLINE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PLACED ADJACENT TO INLET PIPES ON BOTH SIDES AND 100mm MINIMUM ABOVE PIT FLOOR. SURROUND SUBSOIL DRAINAGE PIPE/AGLINE WITH 10mm AGGREGATE.

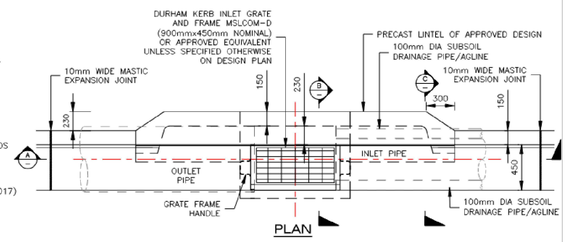
PIT GRATE AND FRAME

- PIT GRATE AND FRAME ARE TO BE DURHAM DRAINAGE PRODUCTS OR APPROVED EQUIVALENT AND COMPLY TO AS 3996:2019.
- CLASS OF GRATE AND FRAME ARE TO BE CLASS "D" FOR ROAD WAY. CLASS "C" ELSEWHERE.
- GRATE AND FRAME TO BE "MEDIUM/HEAVY TRAFFICABLE BIKE SAFE.



WARNING

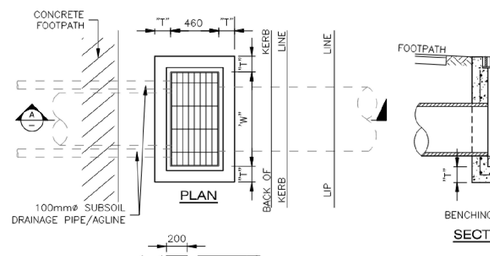
IN THE LIKELIHOOD THAT ASBESTOS OR OTHER CONTAMINATED CONTAINING MATERIALS MAY BE PRESENT, EXERCISE APPROPRIATE CAUTION AND TREAT IN ACCORDANCE WITH WHS REGULATIONS AND THE EPA CONTAMINATED LAND MANAGEMENT REGULATION.

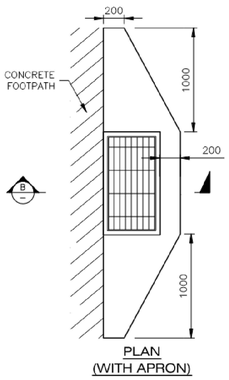


NOTES

1. MINIMUM COVER TO ALL PIPES TO BE 600mm UNDER ROADS AND 450mm ELSEWHERE.
2. ALL PIPES TO BE LAID SO THAT THEIR CENTRELINES INTERSECT AT THE CENTRE OF THE PIT.
3. PITS DEEPER THAN 2500mm TO BE DESIGNED AND CERTIFIED BY A QUALIFIED EXPERIENCED PRACTICING STRUCTURAL ENGINEER. (PRECAST OR CAST IN-SITU)
4. PRECAST PITS CAN BE USED ONLY IF THEY ARE CONSISTENT WITH COUNCIL'S MINIMUM REQUIREMENTS AS SHOWN ON COUNCIL'S STANDARD DRAWINGS AND IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND AT THE DIRECTION OF THE SUPERINTENDENT.
5. THE KERB/GUTTER APRON BETWEEN THE EXPANSION JOINTS INCORPORATING THE GRATE FRAME MUST BE POURED AS ONE.
6. ALL INTERNAL PIT CORNERS TO BE PROVIDED WITH BENCHING TO IMPROVE FLOW.
7. STEP IRONS TO BE PROVIDED AT 300mm CENTRES FOR PITS GREATER THAN 1200mm DEEP AND PLACED ON A WALL CLEAR OF FLOW WHERE POSSIBLE IN ACCORDANCE WITH AS 1657:2018. REFER TO COUNCIL STANDARD DS19.
8. WHERE INTERNAL WIDTH EXCEEDS 750mm OR DEPTH EXCEEDS 1200mm WALLS TO BE REINFORCED. PROVIDE N16 REINFORCEMENT AT 250mm CENTRE/CENTRE BOTH WAYS OR MESH SL72 CENTRALLY PLACED.
9. MINIMUM WALL AND BASE THICKNESS MUST BE 150mm ("T") AND WHERE PIT DEPTH EXCEEDS 1200mm TO BE 200mm ("T") OR AS SPECIFIED IN THE DESIGN.
10. MINIMUM WIDTH OF "W" SHOULD BE OD (OUTER DIAMETER) OF LARGER PIPE + 200mm.
11. CONCRETE TO BE A MINIMUM OF N32 IN ACCORDANCE WITH AS 1012, AS 1379-2007 (R2017) AND AS 3600:2018.
12. SELECTED GRANULAR MATERIAL BACKFILL SHALL BE PLACED TO FILL ALL EXCAVATED VOIDS. REFER TO AS / NZS 3725:2007.
13. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

GRATED SAG PIT USING PRECAST LINTEL
CITY OF PARAMATTA COUNCIL (DS24)





SUBSOIL DRAINAGE PIPE

100mm DIA. SUBSOIL DRAINAGE PIPE/AGLINE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PLACED ADJACENT TO INLET PIPES ON BOTH SIDES AND 100mm MINIMUM ABOVE PIT FLOOR. SURROUND SUBSOIL DRAINAGE PIPE/AGLINE WITH 10mm AGGREGATE.

PIT GRATE AND FRAME

- PIT GRATE AND FRAME ARE TO BE DURHAM DRAINAGE PRODUCTS OR APPROVED EQUIVALENT AND COMPLY TO AS 3996:2019.
- CLASS OF GRATE AND FRAME ARE TO BE CLASS "D" FOR ROAD WAY. CLASS "C" ELSEWHERE.
- HEEL PROOF GRATE AND FRAME WITH RELEVANT CLASS ARE TO BE USED AS SPECIFIED ON THE DESIGN AND WHERE USED IN HIGH PEDESTRIAN AREAS.

WARNING

IN THE LIKELIHOOD THAT ASBESTOS OR OTHER CONTAMINATED CONTAINING MATERIALS MAY BE PRESENT, EXERCISE APPROPRIATE CAUTION AND TREAT IN ACCORDANCE WITH WHS REGULATIONS AND THE EPA CONTAMINATED LAND MANAGEMENT REGULATION.

NOTES

1. SURFACE INLET PITS ARE TO BE CONSTRUCTED AS PER DESIGN.
2. CONCRETE APRONS ARE REQUIRED WHEN CONSTRUCTING ADJACENT TO CONCRETE FOOTPATHS.
3. MINIMUM COVER TO ALL PIPES TO BE 600mm UNDER ROADS AND 450mm ELSEWHERE.
4. ALL PIPES TO BE LAID SO THAT THEIR CENTRELINES INTERSECT AT THE CENTRE OF THE PIT.
5. PITS DEEPER THAN 2500mm TO BE DESIGNED AND CERTIFIED BY A QUALIFIED EXPERIENCED PRACTICING STRUCTURAL ENGINEER. (PRECAST OR CAST IN-SITU)
6. PRECAST PITS CAN BE USED ONLY IF THEY ARE CONSISTENT WITH COUNCIL'S MINIMUM REQUIREMENTS AS SHOWN ON COUNCIL'S STANDARD DRAWINGS AND IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND AT THE DIRECTION OF THE SUPERINTENDENT.
7. ALL INTERNAL PIT CORNERS TO BE PROVIDED WITH BENCHING TO IMPROVE FLOW.
8. STEP IRONS TO BE PROVIDED AT 300mm CENTRES FOR PITS GREATER THAN 1200mm DEEP AND PLACED ON A WALL CLEAR OF FLOW WHERE POSSIBLE IN ACCORDANCE WITH AS 1657:2018. REFER TO COUNCIL STANDARD DS19.
9. WHERE INTERNAL WIDTH EXCEEDS 750mm OR DEPTH EXCEEDS 1200mm WALLS TO BE REINFORCED. PROVIDE N16 REINFORCEMENT AT 250mm CENTRE/CENTRE BOTH WAYS OR MESH SL72 CENTRALLY PLACED.
10. MINIMUM WALL AND BASE THICKNESS MUST BE 150mm ("T") AND WHERE PIT DEPTH EXCEEDS 1200mm TO BE 200mm ("T") OR AS SPECIFIED IN THE DESIGN.
11. MINIMUM WIDTH OF "W" SHOULD BE OD (OUTER DIAMETER) OF LARGER PIPE + 200mm.
12. CONCRETE TO BE A MINIMUM OF N32 IN ACCORDANCE WITH AS 1012, AS 1379-2007 (R2017) AND AS 3600:2018.
13. SELECTED GRANULAR MATERIAL BACKFILL SHALL BE PLACED TO FILL ALL EXCAVATED VOIDS. REFER TO AS / NZS 3725:2007.
14. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

SURFACE INLET PIT
CITY OF PARAMATTA COUNCIL (DS25)

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

100mm on Original

Scales: NOT TO SCALE

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	J. PEÑA	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: STORMWATER DETAILS SHEET 1

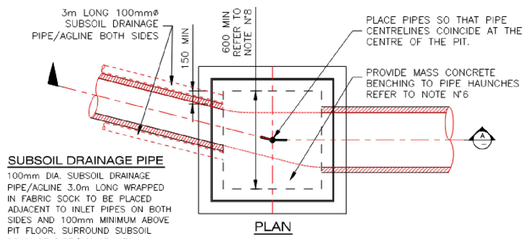
ARCADIS
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0481

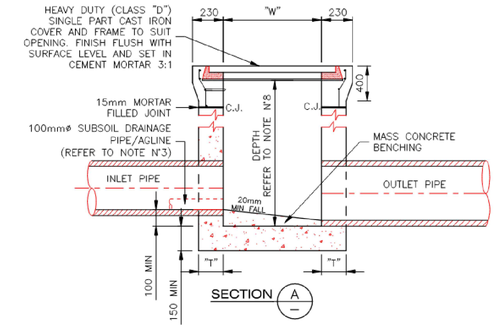
Issue: 03

Date Plotted: 3 Oct 2025 - 05:59pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AUAAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0481-StormwaterDetailsSheet1.dwg



SUBSOIL DRAINAGE PIPE

100mm DIA. SUBSOIL DRAINAGE PIPE/AGLINE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PLACED ADJACENT TO INLET PIPES ON BOTH SIDES AND 100mm MINIMUM ABOVE PIT FLOOR. SURROUND SUBSOIL DRAINAGE PIPE/AGLINE WITH 10mm AGGREGATE.



NOTES

1. MINIMUM COVER TO ALL PIPES TO BE 600mm UNDER ROADS AND 450mm ELSEWHERE.
2. ALL PIPES TO BE LAID SO THAT THEIR CENTRELINES INTERSECT AT THE CENTRE OF THE PIT.
3. PITS DEEPER THAN 2500mm TO BE DESIGNED AND CERTIFIED BY A QUALIFIED EXPERIENCED PRACTICING STRUCTURAL ENGINEER. (PRECAST OR CAST IN-SITU)
4. PRECAST PITS CAN BE USED ONLY IF THEY ARE CONSISTENT WITH COUNCIL'S MINIMUM REQUIREMENTS AS SHOWN ON COUNCIL'S STANDARD DRAWINGS AND IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND AT THE DIRECTION OF THE SUPERINTENDENT.
5. THE INLET PIPE IS TO BE NO HIGHER THAN THE OUTLET PIPE OBVERT.
6. PROVIDE CONCRETE BENCHING ACROSS PIT TO SUIT INLET AND OUTLET PIPES AS DETAILED.
7. STEP IRONS TO BE PROVIDED AT 300mm CENTRES FOR PITS GREATER THAN 1200mm DEEP AND PLACED ON A WALL CLEAR OF FLOW WHERE POSSIBLE IN ACCORDANCE WITH AS 1657:2018. REFER TO COUNCIL STANDARD DS19.
8. MINIMUM INTERNAL DIMENSIONS: 600mmx600mm FOR DEPTH LESS THAN 800 OR 900mmx600mm FOR DEPTH OF 800mm TO 1200mm. WHERE INTERNAL WIDTH EXCEEDS 750mm OR DEPTH EXCEEDS 1200mm WALLS TO BE REINFORCED. PROVIDE N16 REINFORCEMENT AT 250mm CENTRE/CENTRE BOTH WAYS OR MESH SL72 CENTRALLY PLACED.
9. MINIMUM WALL AND BASE THICKNESS MUST BE 150mm ("T") AND WHERE PIT DEPTH EXCEEDS 1200mm TO BE 200mm ("T") OR AS SPECIFIED IN THE DESIGN.
10. MINIMUM WIDTH OF "W" SHOULD BE OD (OUTER DIAMETER) OF LARGER PIPE + 200mm.
11. CONCRETE TO BE A MINIMUM OF N32 IN ACCORDANCE WITH AS 1012, AS 1379–2007 (R2107) AND AS 3600:2018.
12. SELECTED GRANULAR MATERIAL BACKFILL SHALL BE PLACED TO FILL ALL EXCAVATED VOIDS. REFER TO AS / NZS 3725:2007.
13. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

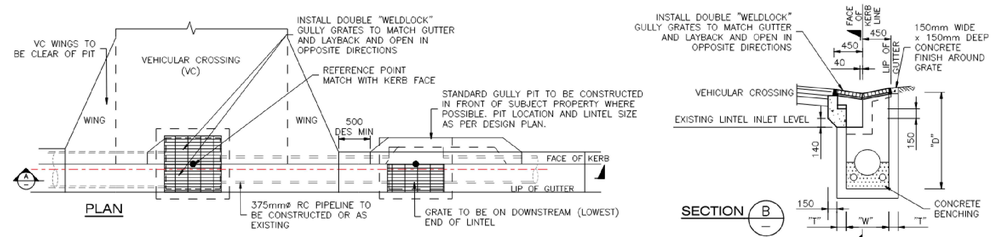
PIT GRATE AND FRAME

PIT GRATE AND FRAME ARE TO BE DURHAM DRAINAGE PRODUCTS OR APPROVED EQUIVALENT AND COMPLY TO AS 3996:2019.
- CLASS OF GRATE AND FRAME ARE TO BE CLASS "D" FOR ROAD WAY CLASS "C" ELSEWHERE
- HEEL PROOF GRATE AND FRAME WITH RELEVANT CLASS ARE TO BE USED AS SPECIFIED ON THE DESIGN AND WHERE USED IN HIGH PEDESTRIAN AREAS.

WARNING

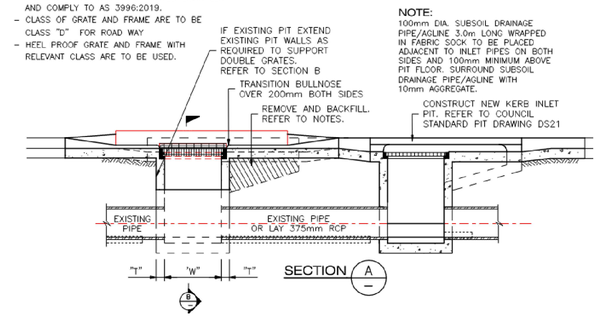
IN THE LIKELIHOOD THAT ASBESTOS OR OTHER CONTAMINATED CONTAINING MATERIALS MAY BE PRESENT, EXERCISE APPROPRIATE CAUTION AND TREAT IN ACCORDANCE WITH WHS REGULATIONS AND THE EPA CONTAMINATED LAND MANAGEMENT REGULATION.

JUNCTION PIT
CITY OF PARAMATTA COUNCIL (DS26)



PIT GRATE AND FRAME

- PIT GRATE AND FRAME ARE TO BE DURHAM DRAINAGE PRODUCTS OR APPROVED EQUIVALENT AND COMPLY TO AS 3996:2019.
- CLASS OF GRATE AND FRAME ARE TO BE CLASS "D" FOR ROAD WAY
- HEEL PROOF GRATE AND FRAME WITH RELEVANT CLASS ARE TO BE USED.

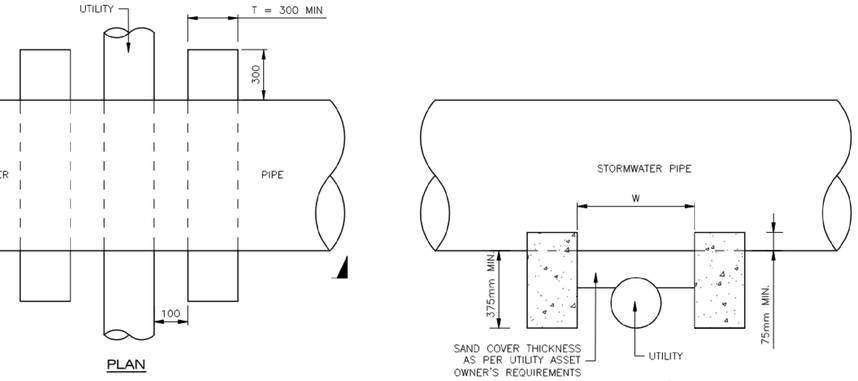


NOTE:
100mm DIA. SUBSOIL DRAINAGE PIPE/AGLINE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PLACED ADJACENT TO INLET PIPES ON BOTH SIDES AND 100mm MINIMUM ABOVE PIT FLOOR. SURROUND SUBSOIL DRAINAGE PIPE/AGLINE WITH 10mm AGGREGATE.

NOTES

1. MINIMUM COVER TO ALL PIPES TO BE 600mm UNDER ROADS AND 450mm ELSEWHERE.
2. ALL PIPES TO BE LAID SO THAT THEIR CENTRELINES INTERSECT AT THE CENTRE OF THE PIT.
3. PITS DEEPER THAN 2500mm TO BE DESIGNED AND CERTIFIED BY A QUALIFIED EXPERIENCED PRACTICING STRUCTURAL ENGINEER. (PRECAST OR CAST IN-SITU)
4. PRECAST PITS CAN BE USED ONLY IF THEY ARE CONSISTENT WITH COUNCIL'S MINIMUM REQUIREMENTS AS SHOWN ON COUNCIL'S STANDARD DRAWINGS AND IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND AT THE DIRECTION OF THE SUPERINTENDENT.
5. PIT LOCATION AND TOP OF LINTEL LEVEL SHOWN ON DRAWINGS REFER TO THIS POINT ●
6. ALL INTERNAL PIT CORNERS TO BE PROVIDED WITH BENCHING TO IMPROVE FLOW.
7. STEP IRONS TO BE PROVIDED AT 300mm CENTRES FOR PITS GREATER THAN 1200mm DEEP AND PLACED ON A WALL CLEAR OF FLOW WHERE POSSIBLE IN ACCORDANCE WITH AS 1657:2018. REFER TO COUNCIL STANDARD DS19.
8. WHERE INTERNAL WIDTH EXCEEDS 750mm OR DEPTH EXCEEDS 1200mm WALLS TO BE REINFORCED. PROVIDE N16 REINFORCEMENT AT 250mm CENTRE/CENTRE BOTH WAYS OR MESH SL72 CENTRALLY PLACED.
9. MINIMUM WALL AND BASE THICKNESS MUST BE 150mm ("T") AND WHERE PIT DEPTH EXCEEDS 1200mm TO BE 200mm ("T") OR AS SPECIFIED IN THE DESIGN.
10. MINIMUM WIDTH OF "W" SHOULD BE OD (OUTER DIAMETER) OF LARGER PIPE + 200mm.
11. CONCRETE TO BE A MINIMUM OF N32 IN ACCORDANCE WITH AS 1012, AS 1379–2007 (R2017) AND AS 3600:2018.
12. SELECTED GRANULAR MATERIAL BACKFILL SHALL BE PLACED TO FILL ALL EXCAVATED VOIDS. REFER TO AS / NZS 3725–2007.
13. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

SURFACE INLET PIT FOR DRIVEWAYS
CITY OF PARAMATTA COUNCIL (DS29)



NOTE:
SUBJECT TO APPROVAL OF RELEVANT SERVICE UTILITY AUTHORITY

NOTE:
CRADLE AND OR ANY OTHER ASSOCIATED WORKS TO BE CONSTRUCTED AS PER RELEVANT SERVICE UTILITY AUTHORITIES STANDARDS

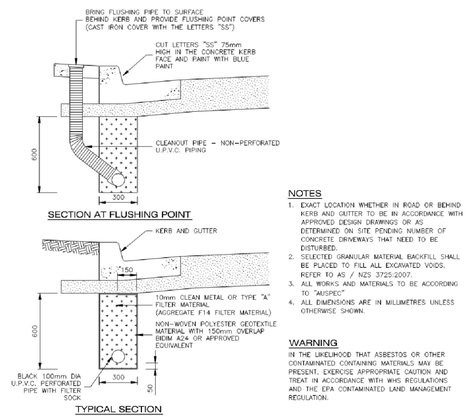
NOTES

1. CONCRETE FOR CRADLE TO BE N32 IN ACCORDANCE WITH AS 1012, AS 1379–2007 (R2017) AND AS 3600:2018
2. CONFIRMATION OF LOCATION OF THE CRADLE TO BE ADVISED BY THE SUPERINTENDENT.
3. T = 450 IF W > 750 ø
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.

WARNING

IN THE LIKELIHOOD THAT ASBESTOS OR OTHER CONTAMINATED CONTAINING MATERIALS MAY BE PRESENT, EXERCISE APPROPRIATE CAUTION AND TREAT IN ACCORDANCE WITH WHS REGULATIONS AND THE EPA CONTAMINATED LAND MANAGEMENT REGULATION.

CONCRETE SUPPORT CRADLE FOR USE ON PIPELINES IN CLOSE PROXIMITY
CITY OF PARAMATTA COUNCIL (DS34)



NOTES

1. EXACT LOCATION WHETHER IN ROAD OR BEHIND KERB AND GUTTER TO BE IN ACCORDANCE WITH APPROVED DESIGN DRAWINGS OR AS DETERMINED ON SITE PENDING NUMBER OF CONCRETE DRIVEWAYS THAT NEED TO BE DISTURBED.
2. SELECTED GRANULAR MATERIAL BACKFILL SHALL BE PLACED TO FILL ALL EXCAVATED VOIDS. REFER TO AS / NZS 3725:2007.
3. ALL WORKS AND MATERIALS TO BE ACCORDING TO "AUSPEC"
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

WARNING

IN THE LIKELIHOOD THAT ASBESTOS OR OTHER CONTAMINATED CONTAINING MATERIALS MAY BE PRESENT, EXERCISE APPROPRIATE CAUTION AND TREAT IN ACCORDANCE WITH WHS REGULATIONS AND THE EPA CONTAMINATED LAND MANAGEMENT REGULATION.

SUBSOIL DRAINAGE DETAILS
CITY OF PARAMATTA COUNCIL (DS33)

NOTE 1:
REINSTATE PAVEMENT – MATCH EXISTING PAVEMENT TYPE AND THICKNESS OR APPLY THE FOLLOWING MINIMUM THICKNESS, WHICHEVER IS THICKER UNLESS OTHERWISE INSTRUCTED BY COUNCIL'S ENGINEER:
- ASPHALT PAVEMENT: MINIMUM 150mm AC20 IN TWO LAYERS IN ACCORDANCE TO AUS SPEC 1144 (ROADWAYS) OR RMS SPEC R116 (HEAVY DUTY DENSE GRADED ASPHALT)
- STABILISED PAVEMENT: 225mm STABILISED MATERIAL CONSTRUCTED IN ONE LAYER (AUS SPEC 1141 FLEXIBLE PAVEMENT BASE AND SUBBASE) (UCS=1.5–3MPa)
- UNBOUND GRANULAR PAVEMENT: 250mm OF DGB20 IN TWO LAYERS (AUS SPEC 1141 FLEXIBLE PAVEMENT BASE AND SUBBASE)

WARNING

IN THE LIKELIHOOD THAT ASBESTOS OR OTHER CONTAMINATED CONTAINING MATERIALS MAY BE PRESENT, EXERCISE APPROPRIATE CAUTION AND TREAT IN ACCORDANCE WITH WHS REGULATIONS AND THE EPA CONTAMINATED LAND MANAGEMENT REGULATION.

INSTALLATION OF PIPELINES AND RESTORATION OF TRENCHES (SERVICES)
CITY OF PARAMATTA COUNCIL (DS37)

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SG	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SG	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

Scales: NOT TO SCALE

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	J. PEÑA	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: STORMWATER DETAILS SHEET 2

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

Project Number: 30286862

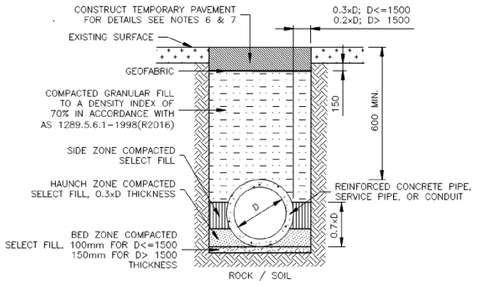
Drawing No.: CL3-AAP-DD-PS-DRG-CI-0482

Issue: 03

100mm on Original

Date Plotted: 3 Oct 2025 - 05:59pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0482-StormwaterDetailsSheet2.dwg

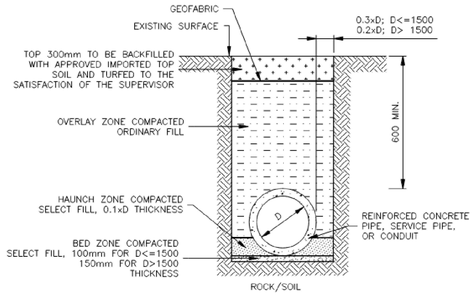
(PAVEMENT DETAILS SPECIFIED ON DESIGN)



INSTALLATION AND BACKFILL DETAILS FOR PIPES
- UNDER ROAD PAVEMENT, CONCRETE FOOTPAVING AND VEHICULAR CROSSINGS (DRIVEWAYS)

NOTES

1. INSTALLATION IS TO CONFORM WITH THE REQUIREMENT OF AS / NZS 3725:2007 FOR TYPE HS3 SUPPORT.
2. FOR CONCRETE PAVEMENTS BACKFILL IS TO BE LOW STRENGTH 5MPa CONCRETE OR 14:1 SAND:CEMENT MIX.
3. BEDDING IS TO COMPLY WITH THE REQUIREMENTS OF ANY APPROVAL GIVEN BY A PUBLIC UTILITY AUTHORITY.
4. MINIMUM COVER OF 600mm SHALL BE PROVIDED TO ALL PIPELINES, INCLUDING SERVICES CONDUITS. SPECIFIC APPROVAL WILL BE REQUIRED FROM COUNCIL TO VARY THIS REQUIREMENT.
5. CONCRETE VEHICULAR CROSSINGS SHALL BE SAWCUT ONCE ONLY (ALONG NEAREST JOINT) AND RESTORED TO LEAVE TWO SECTIONS ONLY.
6. TEMPORARY PAVEMENT FOR ROADWAY AND VEHICULAR CROSSING (DRIVEWAY) RESTORATION SHALL CONSIST OF 30-50mm BITUMINOUS COLD MIX OVER COMPACTED FINE CRUSHED ROCK (GRADED TO DGB20). TOTAL ROADWAY PAVEMENT THICKNESS IS TO BE EQUIVALENT TO THE EXISTING PAVEMENT THICKNESS PLUS 150mm (300mm MIN. THICKNESS SHALL APPLY).
7. TEMPORARY PAVEMENT FOR FOOTPAVING SHALL CONSIST OF 30-50mm BITUMINOUS COLD MIX OVER 100mm (MIN. THICKNESS) OF COMPACTED FINE CRUSHED ROCK (GRADED TO DGB20).
8. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.



INSTALLATION AND BACKFILL DETAILS FOR PIPES
- UNDER UNPAVED AREAS IN PARKS / RESERVES / FOOTWAYS

NOTES

1. INSTALLATION IS TO CONFORM WITH THE REQUIREMENT OF AS / NZS 3725:2007 FOR TYPE HS1 SUPPORT.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

WARNING

IN THE LIKELIHOOD THAT ASBESTOS OR OTHER CONTAMINATED CONTAINING MATERIALS MAY BE PRESENT, EXERCISE APPROPRIATE CAUTION AND TREAT IN ACCORDANCE WITH WHS REGULATIONS AND THE EPA CONTAMINATED LAND MANAGEMENT REGULATION.

INSTALLATION OF PIPELINES AND RESTORATION OF TRENCHES (DRAINAGE)
CITY OF PARAMATTA COUNCIL (DS37)

Issue	Description	DR	CH	VE	Date
01	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	CR	MK	29.09.2025

Scales: NOT TO SCALE

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	J. PEÑA	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK
PHILLIP STREET WORKS

Title: STORMWATER DETAILS SHEET 3

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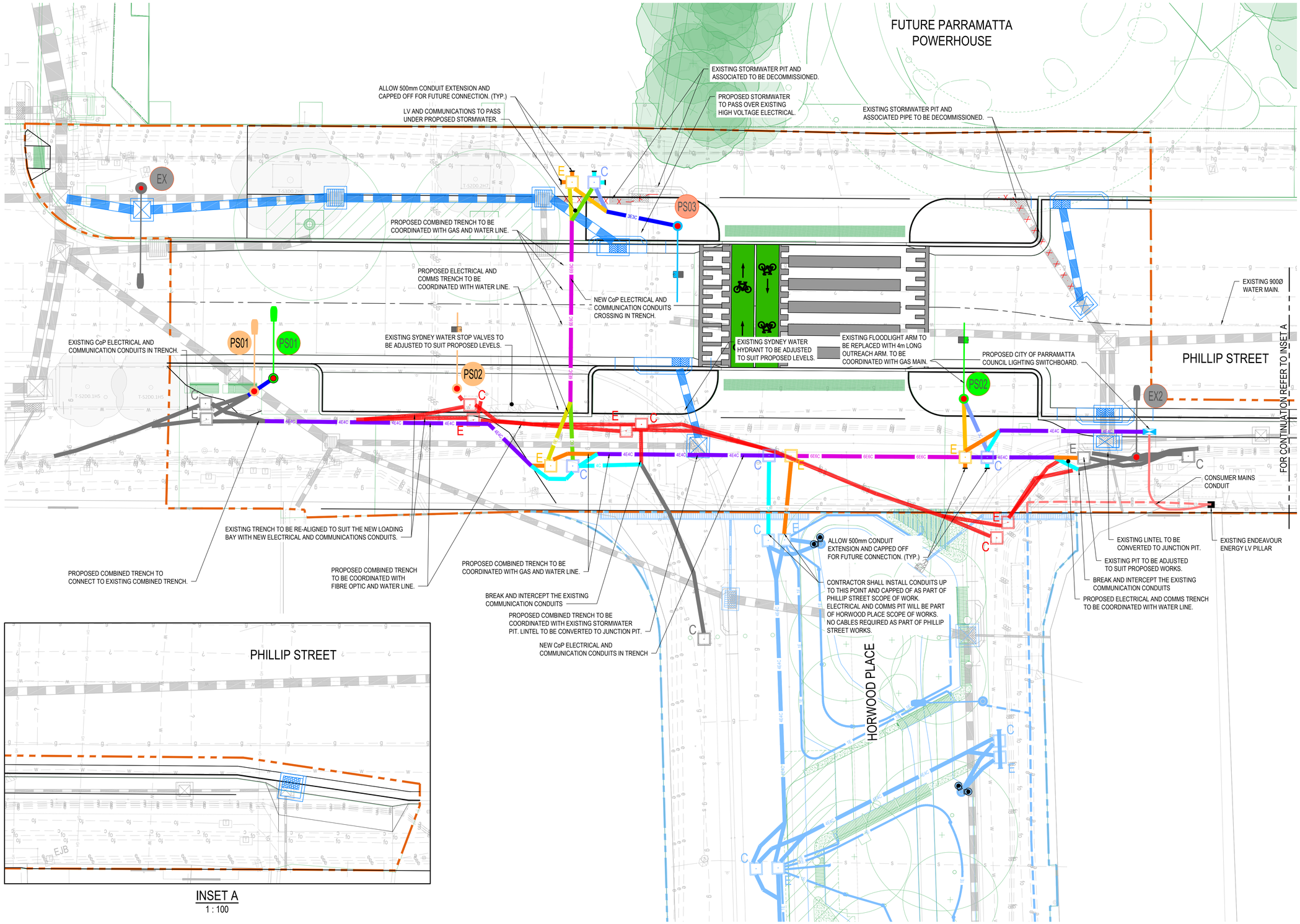
Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0483

Issue: 01

100mm on Original

Date Plotted: 3 Oct 2025 - 05:58pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0483-StormwaterDetailsSheet3.dwg



INSET A
1 : 100

LEGEND

- PHILLIP STREET WORKS SITE BOUNDARY
- HORWOOD PLACE WORKS SITE BOUNDARY
- ARCHITECTURAL WORKS
- PROPOSED KERB INLET PIT
- PROPOSED STORMWATER PIPE
- EXISTING KERB INLET PIT
- EXISTING JUNCTION PIT
- EXISTING GRATED PIT
- FUTURE KERB INLET PIT
- FUTURE JUNCTION PIT
- FUTURE GRATED PIT
- FUTURE GRATED DRAIN
- EXISTING ENDEAVOUR ENERGY CONDUIT TO BE DECOMMISSIONED AND REMAIN IN SITU. REFER TO ASP3 DRAWING
- CONSUMER MAINS CONDUIT
- CoP NEW 3x ELECTRICAL CONDUITS
- CoP NEW3x COMMUNICATION CONDUITS
- CoP NEW 3x ELECTRICAL & COMMUNICATION CONDUITS
- CoP NEW 4x ELECTRICAL CONDUITS
- CoP NEW 4x COMMUNICATION CONDUITS
- CoP NEW 4x ELECTRICAL & COMMUNICATION CONDUITS
- CoP NEW 6x ELECTRICAL CONDUITS
- CoP NEW 6x COMMUNICATION CONDUITS
- CoP NEW 6x ELECTRICAL & COMMUNICATION CONDUITS
- CoP EXISTING CONDUITS TO BE REUSED
- CoP EXISTING CONDUITS TO BE DEMOLISHED
- CoP EXISTING CONDUITS TO BE DECOMMISSIONED AND REMAIN IN SITU
- EXISTING DRAINAGE TO BE REMOVED
- CoP NEW 600x600 ELECTRICAL PIT
- CoP EXISTING ELECTRICAL PIT TO REMAIN
- CoP EXISTING ELECTRICAL PIT TO BE DEMOLISHED
- CoP NEW 600x600 COMMUNICATION PIT
- CoP EXISTING COMMUNICATION PIT TO REMAIN
- CoP EXISTING COMMUNICATION PIT TO BE DEMOLISHED
- CoP PROPOSED MAIN SWITCHBOARD
- CoP NEW MFP WITH NEW FLOODLIGHT
- CoP EXISTING MFP AND FLOODLIGHT RELOCATED
- CoP EXISTING MFP RELOCATED
- CoP EXISTING MFP AND FLOODLIGHT TO BE RELOCATED
- CoP EXISTING MFP TO BE RELOCATED
- CoP EXISTING MFP TO REMAIN
- ENDEAVOUR ENERGY EXISTING LIGHT POLE TO REMAIN

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	CN	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	CN	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

100mm on Original

Scales

0 1 2 4 6 8 10m

1 : 100

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	C. NUGPO	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: COMBINED UTILITIES PLAN

ARCADIS
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Level 16, 580 George Street
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www.arcadis.com/au

Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0501

Issue: 03

Date Plotted: 3 Oct 2025 - 06:00pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0501-CombinedUtilitiesPlan.dwg

FUTURE PARRAMATTA POWERHOUSE

PHILLIP STREET

HORWOOD PLACE

FOR CONTINUATION REFER TO INSET A

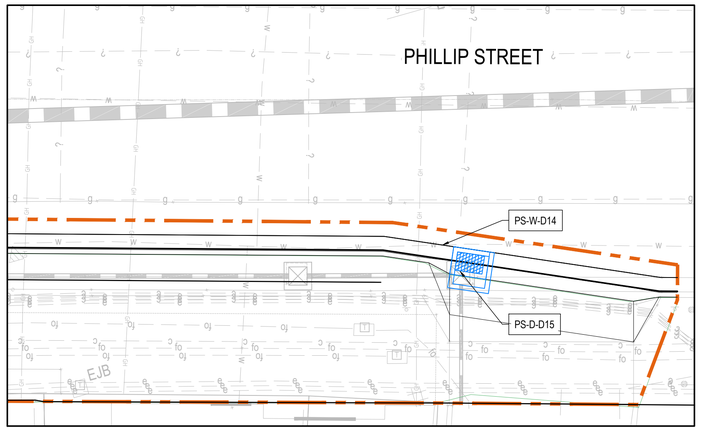
CONSUMER MAINS CONDUIT

EXISTING ENDEAVOUR ENERGY LV PILLAR

PS01

PS02

PS-G-D21 PS-U-D20 PS-E-D19 PS-U-D18 PS-C-D17 PS-W-D16 PS-D-E01 PS-D-D01 PS-D-C01 PS-E-E02 PS-E-D03 PS-D-CW01 PS-G-D04 PS-U-D05 PS-D-D07 PS-W-D22 PS-C-E12 PS-W-D13 PS-D-D12 PS-D-D23 PS-W-R12 PS-W-E31 PS-C-C10 PS-C-E28 PS-C-C11 PS-W-C13 PS-G-E29 PS-G-E30 PS-C-E26 PS-W-C09 PS-W-E27 PS-G-E03 PS-U-E04 PS-W-E05 PS-W-E21 PS-C-E20 PS-W-C05 PS-E-C06 PS-C-C07 PS-W-D09 PS-W-CW02 PS-W-E07 PS-D-E06 PS-W-R03 PS-D-E11 PS-C-E12 PS-W-R02 PS-C-R01 PS-E-E13 PS-E-E14 PS-E-E19 PS-C-E18 PS-G-E22 PS-W-E23 PS-D-C08 PS-D-E24 PS-S-D06 PS-S-E32 PS-E-C17 PS-E-E35 PS-C-E34 PS-G-E25 PS-E-C15 PS-C-C16 PS-E-E33 PS-R-E07 PS-W-R09 PS-W-R08 PS-C-E15 PS-D-E16 PS-W-E17 PS-C-C04 PS-D-C03 PS-G-C08 PS-W-C14 PS-C-R04 PS-D-R05 PS-E-R06 PS-C-R11 PS-E-R10



INSET A
1 : 100

LEGEND

- PHILLIP STREET WORKS SITE BOUNDARY
- HORWOOD PLACE WORKS SITE BOUNDARY
- ARCHITECTURAL WORKS
- PROPOSED KERB INLET PIT
- PROPOSED STORMWATER PIPE
- EXISTING KERB INLET PIT
- EXISTING JUNCTION PIT
- EXISTING GRATED PIT
- FUTURE KERB INLET PIT
- FUTURE JUNCTION PIT
- FUTURE GRATED PIT
- FUTURE GRATED DRAIN
- EXISTING ENDEAVOUR ENERGY CONDUIT TO BE DECOMMISSION AND REMAIN IN SITU. REFER TO ASP3 DRAWING
- CONSUMER MAINS CONDUIT
- CoP NEW 3x ELECTRICAL CONDUITS
- CoP NEW 3x COMMUNICATION CONDUITS
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- CoP NEW 4x ELECTRICAL CONDUITS
- CoP NEW 4x COMMUNICATION CONDUITS
- CoP NEW 4x ELECTRICAL & COMMUNICATION CONDUITS
- CoP NEW 6x ELECTRICAL CONDUITS
- CoP NEW 6x COMMUNICATION CONDUITS
- CoP NEW 6x ELECTRICAL & COMMUNICATION CONDUITS
- CoP FUTURE ELECTRICAL CONDUITS
- CoP FUTURE 3x ELECTRICAL CONDUITS
- CoP FUTURE 3x COMMUNICATION CONDUITS
- CoP FUTURE 3x ELECTRICAL & COMMUNICATION CONDUITS
- CoP FUTURE 4x ELECTRICAL CONDUITS
- CoP FUTURE 4x COMMUNICATION CONDUITS
- CoP FUTURE 4x ELECTRICAL & COMMUNICATION CONDUITS
- CoP FUTURE 6x ELECTRICAL CONDUITS
- CoP FUTURE 6x COMMUNICATION CONDUITS
- CoP FUTURE 6x ELECTRICAL & COMMUNICATION CONDUITS
- CoP EXISTING CONDUITS TO BE REUSED
- CoP EXISTING CONDUITS TO BE DEMOLISHED
- CoP EXISTING CONDUITS TO BE DECOMMISSIONED AND REMAIN IN SITU
- EXISTING DRAINAGE TO BE REMOVED
- CoP NEW 600x600 ELECTRICAL PIT
- CoP EXISTING ELECTRICAL PIT TO REMAIN
- CoP EXISTING ELECTRICAL PIT TO BE DEMOLISHED
- CoP NEW 600x600 COMMUNICATION PIT
- CoP EXISTING COMMUNICATION PIT TO REMAIN
- CoP EXISTING COMMUNICATION PIT TO BE DEMOLISHED
- CoP PROPOSED MAIN SWITCHBOARD
- CoP NEW MFP WITH NEW FLOODLIGHT
- CoP EXISTING MFP AND FLOODLIGHT RELOCATED
- CoP EXISTING MFP RELOCATED
- CoP EXISTING MFP AND FLOODLIGHT TO BE RELOCATED
- CoP EXISTING MFP TO BE RELOCATED
- CoP EXISTING MFP TO REMAIN
- ENDEAVOUR ENERGY EXISTING LIGHT POLE TO REMAIN

NOTES

1. REFER TO THE UTILITIES REGISTER ON DRAWING CL3-AAP-DD-PS-DRG-CI-0521 FOR MORE INFORMATION.
2. REFER TO GENERAL NOTES & EXISTING UNDERGROUND SERVICES NOTES ON DRAWING CL3-AAP-DD-PS-DRG-CI-0021.

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	CN	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	CN	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

100mm on Original

Scales

0 1 2 4 6 8 10m

1 : 100

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	C. NUGPO	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: UTILITIES REGISTER PLAN

ARCADIS
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www.arcadis.com/au

Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0511

Issue: 03

Date Plotted: 3 Oct 2025 - 06:01pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0511-UtilitiesRegisterPlan.dwg

EXISTING UNDERGROUND UTILITIES - PHILLIP STREET (EARLY WORKS)

Clash ID (Phillip Street- Existing Asset- Proposed Asset [Interface Number])	Existing Asset Classification	Existing Asset Information	Asset Owner	Clash Description	Criticality	Proposed Action
PS-G-D21	Gas	Unknown	Jemena	Proposed drainage will cross existing gas with approx. 850mm cover.	Medium	Coordinate
PS-U-D20	Unknown	TBC	TBC	Proposed drainage will cross existing unknown with approx. 800mm cover.	Low	Identify
PS-E-D19	Electrical	Unknown	Endeavour Energy	Proposed drainage will cross existing electrical.	Low	Coordinate
PS-U-D18	Unknown	TBC	TBC	Proposed drainage will cross existing unknown with approx. 500mm cover.	Low	Identify
PS-C-D17	Communications	TBC	TBC	Proposed drainage will cross existing communications with approx. 900mm cover.	Low	Coordinate
PS-W-D16	Potable water	Property connection	Sydney Water	Proposed drainage will cross existing potable water with approx. 600mm cover.	Low	Protect
PS-D-E01	Drainage	DN375	Council	Proposed electrical will cross existing drainage.	Low	Remove
PS-D-D01	Drainage	DN375	Council	Proposed drainage will cross existing drainage.	Low	Remove
PS-D-C01	Drainage	DN375	Council	Proposed communications will cross existing drainage.	Low	Remove
PS-E-E02	Electrical	"1 x 2 DN50 PVC 2 x 3 DN140 Fibro Conduit (Asbestos)"	Endeavour Energy	Proposed electrical will cross existing electrical with approx. 900mm cover.	High	Coordinate
PS-E-D03	Electrical	"1 x 2 DN50 PVC 2 x 3 DN140 Fibro Conduit (Asbestos)"	Endeavour Energy	Proposed drainage pit will be adjacent to existing electrical with approx. 900mm cover.	High	Coordinate
PS-D-CW01	Drainage	Kerb inlet pit and DN375	Council	Proposed civil works clash with existing drainage.	Low	Relocate
PS-G-D04	Gas	"DN50 NY 7kPa low pressure"	Jemena	Proposed drainage will cross existing gas with approx. 600mm cover.	Medium	Coordinate
PS-U-D05	Unknown	TBC	TBC	Proposed drainage will cross existing unknown with approx. 1.08m cover.	Low	Identify
PS-D-D07	Drainage	DN375	Council	Proposed drainage pit clashes with existing drainage.	Low	Coordinate
PS-G-E03	Gas	7kPa low pressure	Jemena	Proposed electrical will cross existing gas with approx. 500mm cover.	Medium	Coordinate
PS-U-E04	Unknown	TBC	TBC	Proposed electrical will cross existing unknown with approx. 1m cover.	Low	Identify
PS-W-E05	Potable water	DN900 CICL	Sydney Water	Proposed electrical will cross existing potable water with approx. 1.3m cover.	High	Protect
PS-W-E07	Potable water	DN200 oPVC	Sydney Water	Proposed light pole footing will be adajcent to existing potable water with approx. 900m cover.	Medium	Protect
PS-D-E06	Drainage	DN450	Council	Proposed light pole footing will be adajcent to existing drainage.	Low	Coordinate
PS-D-E11	Drainage	DN450	Council	Proposed electrical will cross existing drainage.	Low	Coordinate
PS-C-E12	Communications	TBC	TBC	Proposed electrical will run along ajacent to existing communications with approx. 400mm cover.	Low	Coordinate
PS-E-E13	Electrical	Unknown	Council (TBC)	Proposed electrical will run along adjacent to existing electrical with approx. 400mm cover.	Low	Coordinate
PS-W-R03	Potable water	Abandoned	Sydney Water	Existing communications pit to be demolished crosses existing potable water.	Low	Identify
PS-W-R02	Potable water	Abandoned	Sydney Water	Existing conduits to be removed cross existing potable water.	Low	Identify
PS-C-R01	Communications	TBC	TBC	Existing conduits to be removed cross existing communications with approx. 1m cover.	Low	Protect
PS-E-E14	Electrical	Electrical pit	Council (TBC)	Proposed electrical clashes with existing electrical pit. Existing pit to be demolished.	Low	Remove
PS-C-E15	Communications	TBC	TBC	Proposed electrical will cross existing communications with approx. 900mm cover.	Low	Coordinate
PS-D-E16	Drainage	DN300	Council	Proposed electrical will cross existing drainage.	Low	Coordinate
PS-W-E17	Potable water	Property connection	Sydney Water	Proposed electrical will cross existing potable water with approx. 500mm cover.	Low	Protect
PS-C-C04	Communications	TBC	TBC	Proposed communications will cross existing communications with approx. 1.3m cover.	Low	Coordinate
PS-D-C03	Drainage	DN300	Council	Proposed communications will cross existing drainage.	Low	Coordinate
PS-G-C08	Gas	7kPa low pressure	Jemena	Proposed communications will cross existing gas with approx. 600mm cover.	Medium	Coordinate
PS-W-C14	Potable water	Property connection	Sydney Water	Proposed communications will cross existing potable water with approx. 850mm cover.	Low	Protect
PS-W-E21	Potable water	DN150 CICL	Sydney Water	Proposed electrical will cross existing potable water with approx. 900mm cover.	Medium	Protect
PS-C-E20	Communications	TBC	TBC	Proposed electrical will cross existing communications with approx. 500mm cover. Existing communications conduit to be demolished.	Low	Remove
PS-E-E19	Electrical	Unknown	Endeavour Energy / Council (TBC)	Proposed electrical will cross existing electrical with approx. 500mm cover. Existing electrical conduit to be demolished.	Low	Remove
PS-C-E18	Communications	TBC	TBC	Proposed electrical will cross existing communications with approx. 1.3m cover.	Low	Coordinate
PS-W-C05	Potable water	DN150 CICL	Sydney Water	Proposed communications will cross existing potable water with approx. 900mm cover.	Medium	Protect
PS-E-C06	Electrical	Unknown	Endeavour Energy / Council (TBC)	Proposed communications will cross existing electrical with approx. 500mm cover. Existing electrical conduit to be demolished.	Low	Remove
PS-C-C07	Communications	TBC	TBC	Proposed communications will cross existing communications with approx. 500mm cover. Existing communications conduit to be demolished.	Low	Remove
PS-W-D09	Potable water	DN150 CICL	Sydney Water	Proposed drainage will cross existing potable water with approx. 800mm cover.	Medium	Protect
PS-W-CW02	Potable water	Hydrant	Sydney Water	Proposed civil works clash with existing potable water hydrant.	High	Coordinate
PS-G-E22	Gas	7kPa low pressure	Jemena	Proposed electrical will cross existing gas with approx. 600mm cover.	Medium	Coordinate

EXISTING UNDERGROUND UTILITIES - PHILLIP STREET (EARLY WORKS)

Clash ID (Phillip Street- Existing Asset- Proposed Asset [Interface Number])	Existing Asset Classification	Existing Asset Information	Asset Owner	Clash Description	Criticality	Proposed Action
PS-W-E23	Potable water	Property connection	Sydney Water	Proposed electrical will cross existing potable water with approx. 850mm cover.	Low	Protect
PS-C-R04	Communications	TBC	TBC	Existing communications pit and electrical pit to be removed cross existing communications with approx. 650mm cover.	Low	Protect
PS-D-R05	Drainage	DN300	Council	Existing conduits to be removed cross existing drainage.	Low	Protect
PS-E-R06	Electrical	"1 x 2 DN50 PVC 2 x 3 DN140 Fibro Conduit (Asbestos)"	Endeavour Energy	Existing electrical pit to be removed is adjacent to existing electrical with approx. 900mm cover.	High	Protect
PS-C-D08	Communications	TBC	TBC	Proposed drainage will cross existing communications with approx. 450mm cover.	Low	Coordinate
PS-D-E24	Drainage	Kerb inlet pit	Council	New pit to replace existing. Proposed electrical clashes with new drainage pit.	Medium	Coordinate
PS-S-E32	Sewer	DN225 VC	Sydney Water	Proposed electrical will cross existing sewer.	Low	Protect
PS-S-D06	Sewer	DN225 VC	Sydney Water	Proposed stormwater pit will cross existing sewer.	Medium	Protect
PS-G-E25	Gas	"DN110 PE 7kPa low pressure"	Jemena	Proposed electrical will cross existing gas with approx. 700mm cover.	Medium	Coordinate
PS-E-C15	Electrical	"1 x 1 DN50 PVC 3 x 2 DN140 Fibro Conduit (Asbestos)"	Endeavour Energy	Proposed communications will cross existing electrical with approx. 1.1m cover.	High	Protect
PS-E-E33	Electrical	"1 x 1 DN50 PVC 3 x 2 DN140 Fibro Conduit (Asbestos)"	Endeavour Energy	Proposed electrical will cross existing electrical with approx. 1.1m cover.	High	Protect
PS-E-C17	Electrical	Unknown	Council (TBC)	New communications pit proposed. Existing electrical conduit to be demolished.	Low	Remove
PS-E-E35	Electrical	Unknown	Council (TBC)	New electrical pit proposed. Existing electrical conduit to be demolished.	Low	Remove
PS-C-E34	Communications	TBC	TBC	New electrical pit proposed. Existing communications conduit to be demolished.	Low	Remove
PS-C-C16	Communications	TBC	TBC	New communications pit proposed. Existing communications conduit to be demolished.	Low	Remove
PS-W-C09	Potable water	DN150 CICL	Sydney Water	Proposed communications will cross existing potable water with approx. 800mm cover.	Medium	Protect
PS-W-E27	Potable water	DN150 CICL	Sydney Water	Proposed electrical will cross existing potable water with approx. 800mm cover.	Medium	Protect
PS-C-E26	Communications	TBC	TBC	Proposed electrical will cross existing communications with approx. 650mm cover.	Low	Coordinate
PS-W-R09	Potable water	Property connection	Sydney Water	Existing conduits to be removed crosses existing potable water with approx. 700mm cover.	Low	Protect
PS-W-R08	Potable water	Property connection	Sydney Water	Existing communications pit to be removed crosses existing potable water with approx. 700mm cover.	Low	Protect
PS-E-R07	Electrical	"1 x 1 DN50 PVC 3 x 2 DN140 Fibro Conduit (Asbestos)"	Endeavour Energy	Existing conduits to be removed cross existing electrical with approx. 1.1m cover.	High	Protect
PS-W-D22	Potable water	Property connection	Sydney Water	Proposed drainage pit will clash with existing potable water with approx. 500mm cover.	Low	Protect
PS-W-E31	Potable water	Property connection	Sydney Water	Proposed electrical will cross existing potable water with approx. 400mm cover.	Low	Protect
PS-C-C10	Communications	TBC	TBC	Proposed communications will cross existing communications with approx. 650mm cover.	Low	Coordinate
PS-C-E28	Communications	TBC	TBC	Proposed electrical will cross existing communications with approx. 650mm cover.	Low	Coordinate
PS-C-C11	Communications	TBC	TBC	Proposed communications will cross existing communications with approx. 650mm cover.	Low	Coordinate
PS-G-E29	Gas	Property connection	Jemena	Proposed electrical will cross existing gas with approx. 500mm cover.	Low	Coordinate
PS-G-E30	Gas	Property connection	Jemena	Proposed electrical will cross existing gas with approx. 500mm cover.	Low	Coordinate
PS-W-C13	Potable water	Property connection	Sydney Water	Proposed communications will cross existing potable water with approx. 400mm cover.	Low	Protect
PS-W-R12	Potable water	Property connection	Sydney Water	Existing conduits to be removed cross existing potable water with approx. 400mm cover.	Low	Protect
PS-E-C12	Electrical	Unknown	Council (TBC)	Proposed communications will cross existing electrical with approx. 600mm cover.	Low	Coordinate
PS-C-R11	Communications	TBC	TBC	Existing conduits to be removed cross existing communications with approx. 560mm cover.	Low	Protect
PS-E-R10	Electrical	"1 x 1 DN50 PVC 3 x 2 DN140 Fibro Conduit (Asbestos)"	Endeavour Energy	Existing conduits to be removed cross existing electrical with approx. 640mm cover.	High	Protect
PS-W-D13	Potable water	DN150 CICL	Sydney Water	Proposed drainage pit clashes with existing potable water with approx. 600mm cover.	High	Protect
PS-D-D12	Drainage	2 x DN300	Council	Proposed drainage pit will clash with existing drainage pipes.	Low	Adjust
PS-D-D23	Drainage	Kerb inlet pit	Council	Existing drainage pit to be replaced.	Low	Remove
PS-W-D14	Potable water	DN150 CICL	Sydney Water	Proposed drainage pit will be adjacent to existing potable water with approx. 900mm cover.	Medium	Protect
PS-D-D15	Drainage	Pit with concrete infill cover	Council	Existing drainage pit to be replaced.	Low	Remove
PS-G-R13	Gas	"DN110 PE 7kPa low pressure"	Jemena	Existing conduits to be removed cross existing gas.	Low	Protect

NOTE:

1. THE CONTRACTOR SHALL LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION AND SHALL MAKE ALL NECESSARY ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE, ADJUST OR PROTECT AS REQUIRED.
2. ALL COSTS TO BE BORNE BY THE APPLICANT. ADDITIONALLY WHERE DIRECTED BY AUTHORITY, CCTV (OR OTHER INVESTIGATIVE ACTIONS) SHOULD BE COMPLETED TO ASSESS CURRENT CONDITION OF ASSETS AND ALLOW AUTHORITY AN OPPORTUNITY TO INCLUDE REPLACEMENT AS A PART OF SCOPE.
3. UTILITIES REGISTER IS INDICATIVE AND BASED ON PLAN VIEW CLASHES BETWEEN EXISTING AND PROPOSED UTILITIES. CLASHES BETWEEN DESIGN LEVEL CHANGES, PAVEMENT, KERB/GUTTER, STRUCTURES, LANDSCAPE ETC. HAVE NOT BEEN NOTED. CONTRACTOR TO SPATIALLY PROOF ALL EXISTING AND PROPOSED UTILITIES IN ACCORDANCE WITH RELEVANT AUTHORITIES' GUIDELINES. APPROVAL FROM RELEVANT AUTHORITIES MUST BE OBTAINED PRIOR TO CONSTRUCTION.
4. REFER TO GENERAL NOTES & EXISTING UNDERGROUND SERVICES NOTES ON DRAWING CL3-AAP-DD-PS-DRG-CI-0021

Issue	Description	DR	CH	VE	Date
01	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	CN	GD	03.10.2025

Scales

100mm on Original

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	C. NUGPO	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	G. DUNSTAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: UTILITIES REGISTER

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Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0521

Issue: 01

Date Plotted: 3 Oct 2025 - 05:59pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0521-UtilitiesRegister.dwg

FUTURE PARRAMATTA POWERHOUSE

PHILLIP STREET

HORWOOD PLACE

ALLOW 500mm CONDUIT EXTENSION AND CAPPED OFF FOR FUTURE CONNECTION. (TYP.)

NEW CoP ELECTRICAL AND COMMUNICATION CONDUITS CROSSING IN TRENCH

EXISTING FLOODLIGHT ARM TO BE REPLACED WITH 4m LONG OUTREACH ARM.

EXISTING CoP ELECTRICAL AND COMMUNICATION CONDUITS IN TRENCH.

BREAK AND INTERCEPT THE EXISTING COMMUNICATION CONDUITS

ELECTRICAL CONDUIT IN THIS TRENCH IS Ø80mm

ELECTRICAL CONDUIT BETWEEN PITS SHALL HAVE 4x Ø80mm AND 2x Ø63mm

PROPOSED CITY OF PARRAMATTA COUNCIL LIGHTING SWITCHBOARD.

CONSUMER MAINS CONDUIT

EXISTING ENDEAVOUR ENERGY LV PILLAR

FOR CONTINUATION REFER TO INSET A

EXISTING TRENCH TO BE RE-ALIGNED TO SUIT THE NEW LOADING BAY WITH NEW ELECTRICAL AND COMMUNICATIONS CONDUITS

BREAK AND INTERCEPT THE EXISTING COMMUNICATION CONDUITS

NEW CoP ELECTRICAL AND COMMUNICATION CONDUITS IN TRENCH

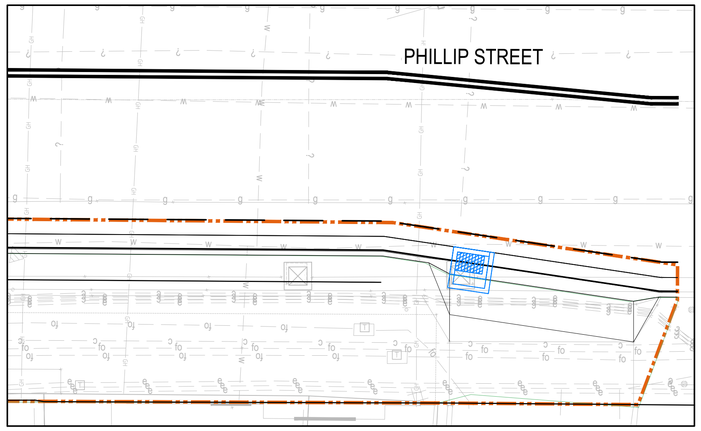
CONTRACTOR SHALL INSTALL CONDUITS UP TO THIS POINT AND CAPPED OF AS PART OF PHILLIP STREET SCOPE OF WORK

ALLOW 500mm CONDUIT EXTENSION AND CAPPED OFF FOR FUTURE CONNECTION. (TYP.)

PS01 PS01 PS02 PS03 PS02 EX EX2

LEGEND

- PHILLIP STREET WORKS SITE BOUNDARY
- HORWOOD PLACE WORKS SITE BOUNDARY
- EXISTING CONTOURS
- DESIGN CONTOURS
- ARCHITECTURAL WORKS
- EXISTING ENDEAVOUR ENERGY CONDUIT TO BE DECOMMISSIONED AND REMAIN IN SITU. REFER TO ASP3 DRAWING
- CONSUMER MAINS CONDUIT
- 3E — CoP NEW 3x ELECTRICAL CONDUITS
- 3C — CoP NEW 3x COMMUNICATION CONDUITS
- 4E — CoP NEW 4x ELECTRICAL CONDUITS
- 4C — CoP NEW 4x COMMUNICATION CONDUITS
- 4E4C — CoP NEW 4x ELECTRICAL & COMMUNICATION CONDUITS
- 6E — CoP NEW 6x ELECTRICAL CONDUITS
- 6C — CoP NEW 6x COMMUNICATION CONDUITS
- 6E6C — CoP NEW 6x ELECTRICAL & COMMUNICATION CONDUITS
- CoP CoP EXISTING CONDUITS TO BE REUSED
- CoP EXISTING CONDUITS TO BE DEMOLISHED
- CoP EXISTING CONDUITS TO BE DECOMMISSIONED AND REMAIN IN SITU
- EXISTING DRAINAGE TO BE REMOVED
- E — CoP NEW 600x600 ELECTRICAL PIT
- E — CoP EXISTING ELECTRICAL PIT TO REMAIN
- E — CoP EXISTING ELECTRICAL PIT TO BE DEMOLISHED
- C — CoP NEW 600x600 COMMUNICATION PIT
- C — CoP EXISTING COMMUNICATION PIT TO REMAIN
- C — CoP EXISTING COMMUNICATION PIT TO BE DEMOLISHED
- PSXX — CoP NEW MFP WITH NEW FLOODLIGHT
- PSXX — CoP EXISTING MFP AND FLOODLIGHT RELOCATED
- PSXX — CoP EXISTING MFP RELOCATED
- PSXX — CoP EXISTING MFP AND FLOODLIGHT TO BE RELOCATED
- PSXX — CoP EXISTING MFP TO BE RELOCATED
- EXX — CoP EXISTING MFP TO REMAIN
- EX — ENDEAVOUR ENERGY EXISTING LIGHT POLE TO REMAIN



INSET A
1 : 100

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SA	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SA	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

100mm on Original

Scales

0 1 2 4 6 8 10m

1 : 100

Surveyor: surveyplus DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	H.THIAUW	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	S. ASHMAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: LIGHTING PLAN

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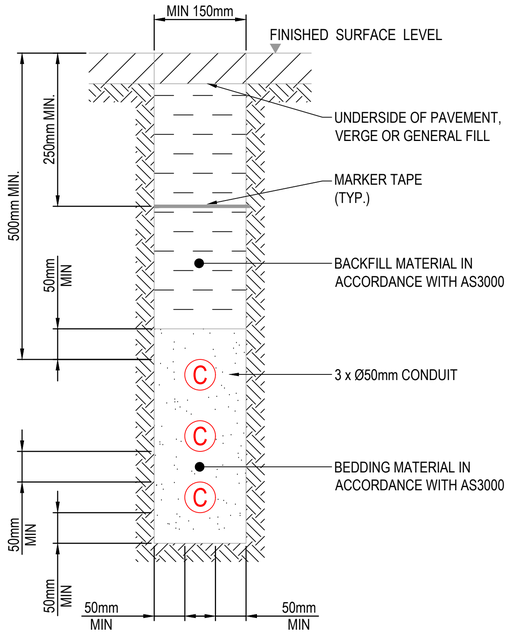
www.arcadis.com/au

Project Number: 30286862

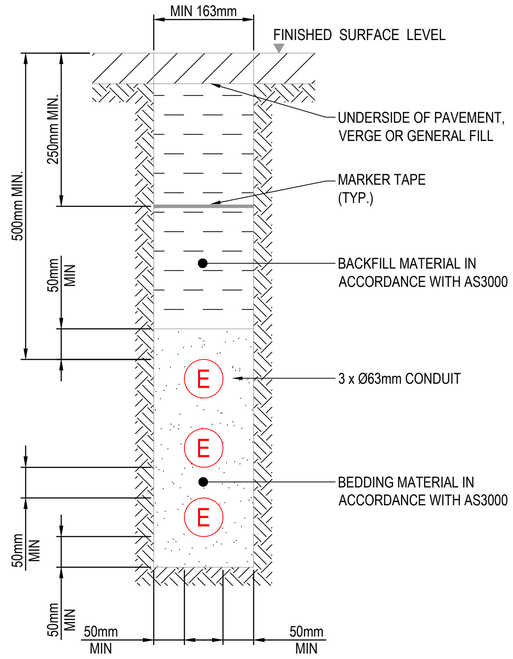
Drawing No.: CL3-AAP-DD-PS-DRG-CI-0701

Issue: 03

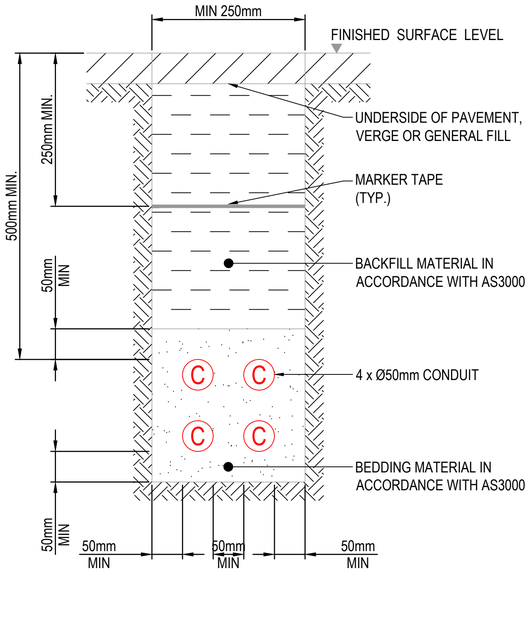
Date Plotted: 3 Oct 2025 - 06:00pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0701-LightingPlan.dwg



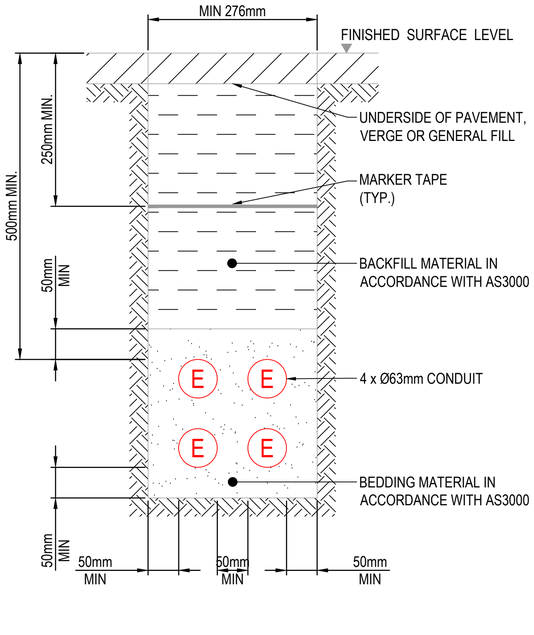
3C 3C



3E 3E



4C 4C



4E 4E

TYPICAL ELECTRICAL & COMMUNICATION CONDUIT TRENCH DETAILS (UNDER FOOTPATH PAVEMENT, IN VERGE OR GENERAL FILL)

1 : 5

LEGEND:

E — ELECTRICAL CONDUIT
63mm DIAMETER

C — COMMUNICATION CONDUIT
50mm DIAMETER

NOTES:

1. CONTRACTOR TO CHECK THE EXISTING CONDUITS RUN PRIOR COMMENCING WORK.
2. THE ELECTRICAL CONTRACTOR SHALL UNDERTAKE A "BEFORE YOU DIG AUSTRALIA" SEARCH FOR EXISTING IN-GROUND SERVICES PRIOR TO EXCAVATION ON SITE. ANY DAMAGE TO EXISTING IN-GROUND SERVICES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
3. ALL WORKS TO CONFORM WITH THE LATEST CITY OF PARRAMATTA STREET LIGHTING DESIGN GUIDE AND PUBLIC DOMAIN GUIDELINES.
4. THE CONDUIT TYPE SHALL BE HDuPVC.
5. THE TRENCH WIDTH AND CLEARANCE BETWEEN CONDUITS SHALL BE ADJUSTED ACCORDINGLY FOR OTHER CONDUIT SIZE. REFER TO THE PLAN FOR OTHER SIZE OF ELECTRICAL CONDUIT

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SA	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SA	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

Scales

0 50 100 200 300 400 500mm

1 : 5

100mm on Original

Surveyor: surveyplus DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	H.THIAUW	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	S. ASHMAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: LIGHTING DETAILS SHEET 1

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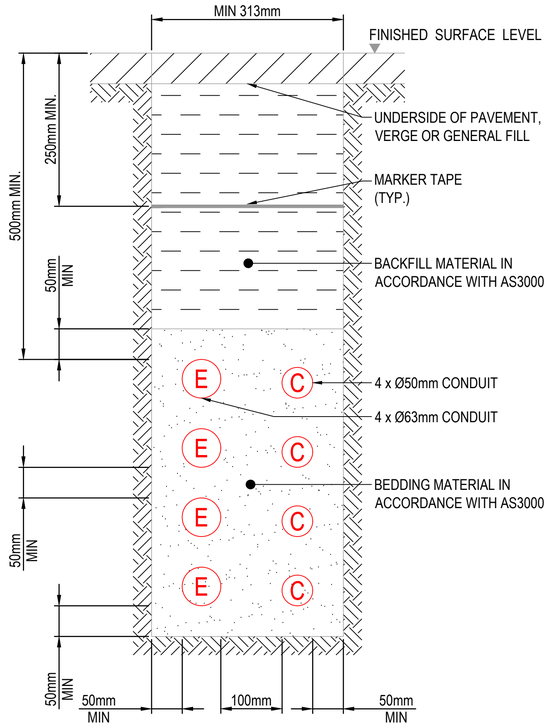
www.arcadis.com/au

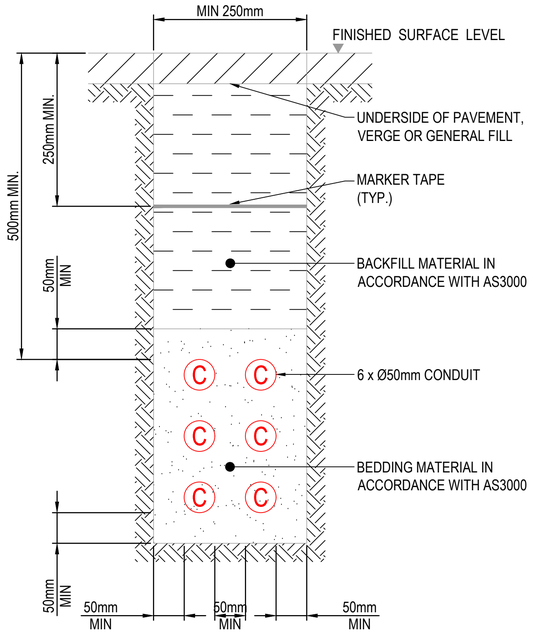
Project Number: 30286862

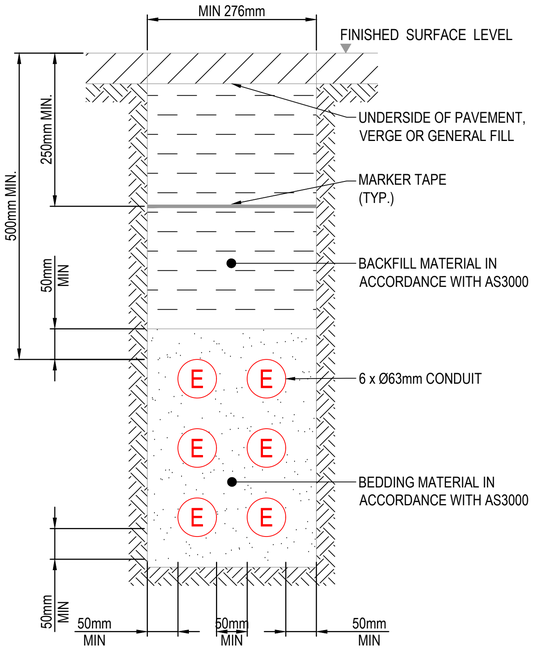
Drawing No.: CL3-AAP-DD-PS-DRG-CI-0711

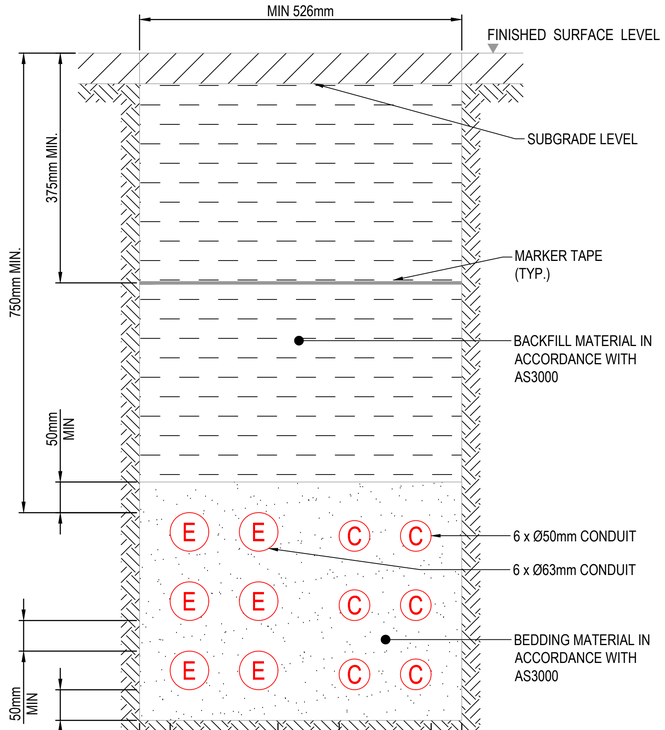
Issue: 03

Date Plotted: 3 Oct 2025 - 05:59pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0711-LightingDetailsSheet1.dwg









TYPICAL ELECTRICAL & COMMUNICATION CONDUIT TRENCH DETAILS (UNDER FOOTPATH PAVEMENT, IN VERGE OR GENERAL FILL)

1 : 5

TYPICAL ELECTRICAL & COMMUNICATION CONDUIT TRENCH DETAILS (CROSSING OF ROAD)

1 : 5

LEGEND:

- E — ELECTRICAL CONDUIT 63mm DIAMETER
- C — COMMUNICATION CONDUIT 50mm DIAMETER

NOTES:

1. CONTRACTOR TO CHECK THE EXISTING CONDUITS RUN PRIOR COMMENCING WORK.
2. THE ELECTRICAL CONTRACTOR SHALL UNDERTAKE A "BEFORE YOU DIG AUSTRALIA" SEARCH FOR EXISTING IN-GROUND SERVICES PRIOR TO EXCAVATION ON SITE. ANY DAMAGE TO EXISTING IN-GROUND SERVICES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
3. ALL WORKS TO CONFORM WITH THE LATEST CITY OF PARRAMATTA STREET LIGHTING DESIGN GUIDE AND PUBLIC DOMAIN GUIDELINES.
4. THE CONDUIT TYPE SHALL BE HDuPVC.
5. THE TRENCH WIDTH AND CLEARANCE BETWEEN CONDUITS SHALL BE ADJUSTED ACCORDINGLY FOR OTHER CONDUIT SIZE. REFER TO THE PLAN FOR OTHER SIZE OF ELECTRICAL CONDUIT.

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SA	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SA	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

Scales: 0 50 100 200 300 400 500mm — 1 : 5

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY — NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	H.THIAUW	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	S. ASHMAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: LIGHTING DETAILS SHEET 2

ARCADIS
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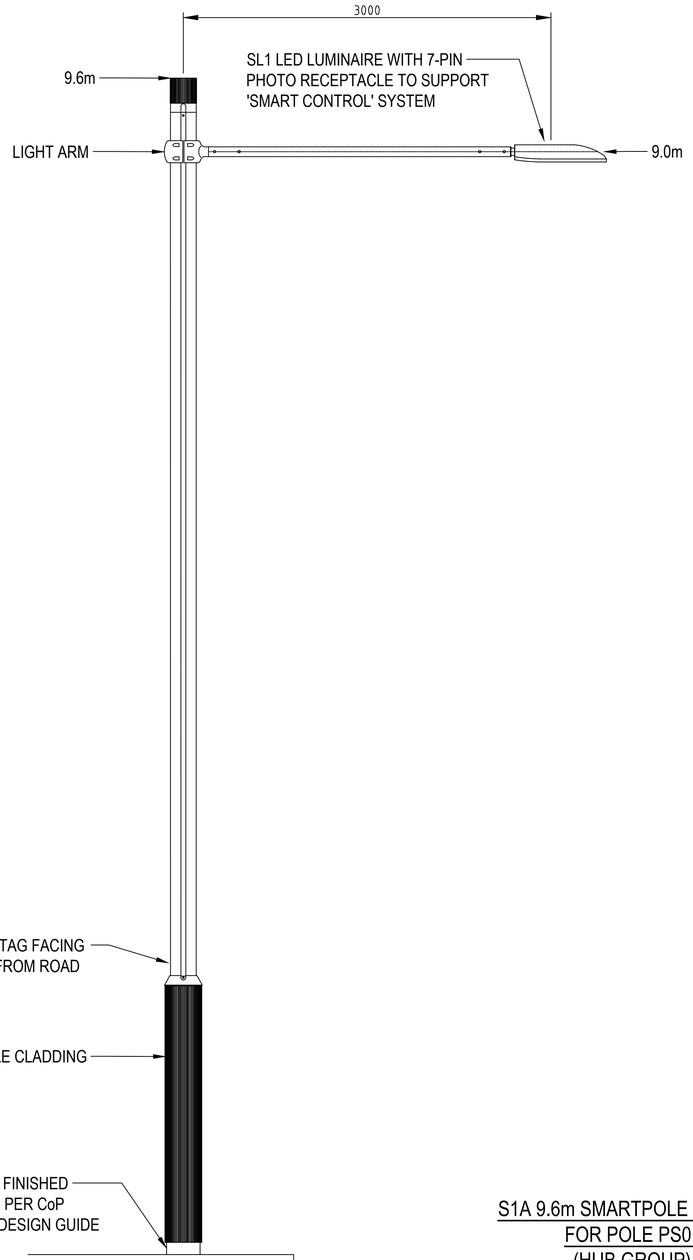
Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0712

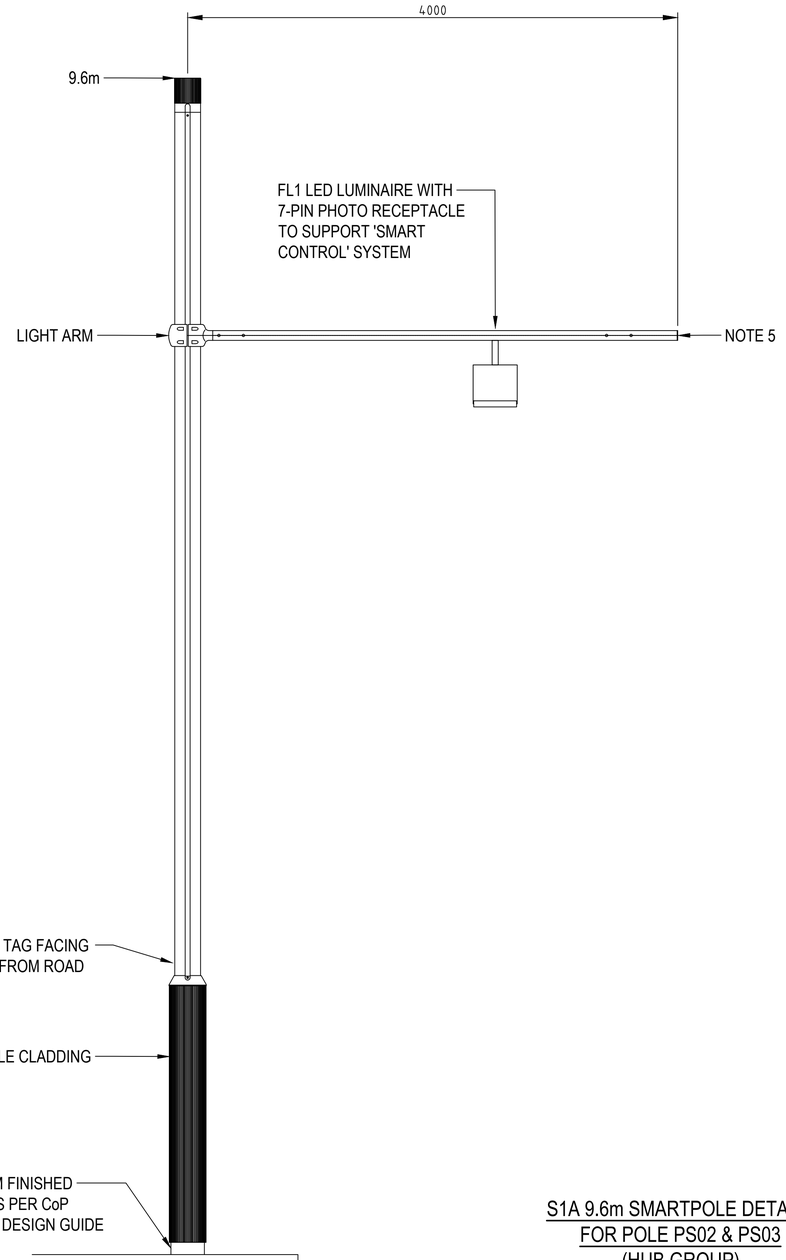
Issue: 03

100mm on Original

Date Plotted: 3 Oct 2025 - 05:59pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0712-LightingDetailsSheet2.dwg



S1A 9.6m SMARTPOLE DETAILS
FOR POLE PS01
(HUB GROUP)
SCALE NTS



S1A 9.6m SMARTPOLE DETAILS
FOR POLE PS02 & PS03
(HUB GROUP)
SCALE NTS

NOTES:

1. SMARTPOLE DETAILS IS EXTRACTED FROM HUB GROUP DRAWINGS.
2. ALL WORKS TO CONFORM WITH THE LATEST CITY OF PARRAMATTA STREET LIGHTING DESIGN GUIDE AND PUBLIC DOMAIN GUIDELINES.
3. EVERY POLE SHALL BE SUPPLIED WITH A 10A SINGLE PHASE RCBO, INSTALLED INSIDE THE POLE BASE, TO PROTECT THE LANTERN.
4. MOUNTING PLATE FOR RECESSED WATERPROOF GPO AT SPECIFIC HEIGHT SHALL BE PROVIDED AS PER CITY OF PARRAMATTA PUBLIC DOMAIN GUIDELINES, SECTION 2.2.
5. REFER TO THE POLE SCHEDULE FOR THE REQUIRED ACCESSORIES AND EQUIPMENT FOR EACH POLE.
6. SMARTPOLE PS01 AND PS02 ARE THE EXISTING TO BE RELOCATED TO A NEW POSITION. REFER TO THE LIGHTING LAYOUT AND SCHEDULES.
7. SMARTPOLE PS01 AND PS02 HAVE TO BE ASSESSED BY A QUALIFIED STRUCTURAL ENGINEER FOR ITS LONGEVITY AND SUITABILITY TO BE RE-USED OTHERWISE NEW SMARTPOLE SHOULD BE INSTALLED.
8. SMARTPOLE PS01 AND PS02 SHOULD BE EQUIPPED WITH NEW BASE PLATE AND RAG BOLT ASSEMBLIES.
9. SMARTPOLE PS02 SHOULD BE EQUIPPED WITH NEW 4m OUTREACH ARM. THE OUTREACH ARM SHALL BE MOUNTED ACCORDINGLY TO MAINTAIN THE FLOODLIGHT FL1 AT 7.0m HIGH FROM THE GROUND LEVEL.
10. REFER TO THE POLE SCHEDULE FOR THE EXACT POLE POSITION/COORDINATE.
11. THE EXISTING COMMUNICATION CABLES HAVE TO BE RE-ROUTED THROUGH NEW CONDUITS AND PITS THEN RECONNECTED TO THE EXISTING EQUIPMENTS (CCTV CAMERAS AND WI-FI).
12. THE EXISTING COMMUNICATION CABLES HAVE TO BE REPLACED WITH NEW IF THE LENGTH IS INSUFFICIENT TO REACH THE EQUIPMENT AFTER RE-ROUTING. APPROVAL FROM CITY OF PARRAMATTA ASSET TEAM IS REQUIRED IF CONTRACTOR PROPOSES TO EXTEND THE EXISTING COMMUNICATION CABLES BY JOINING WITH NEW.

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SA	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SA	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

Scales

0 0.5 1 1.5 2 2.5m

1 : 25

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	H.THIAUW	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	S. ASHMAN		

Project: PARRAMATTA CIVIC LINK
PHILLIP STREET WORKS

Title: LIGHTING DETAILS
SHEET 3

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Tel No: +61 2 8907 9000
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Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0713

Issue: 03

100mm on Original

Date Plotted: 3 Oct 2025 - 05:59pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0713-LightingDetailsSheet3.dwg

NOTES:

1. SMARTPOLE FOOTING DETAILS, CONDUIT ARRANGEMENT AND HD BOLT SETUP ARE EXTRACTED FROM HUB GROUP DRAWINGS.
2. LIGHTPOLE BASE PLATE MUST BE VERIFIED AND CHECKED BY THE MANUFACTURER.

POLE LOADING AND BASE REACTIONS TABLE

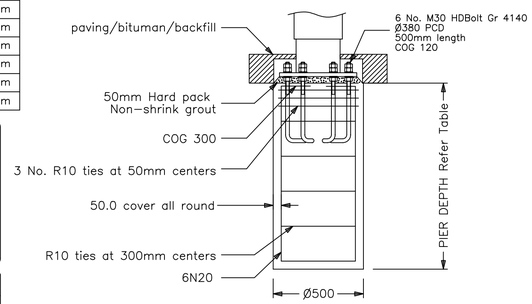
PART No.	POLE	LOAD CASE	MOMENT M*x(kNm)	MOMENT M*y(kNm)	TORQUE T*x(kNm)	SHEAR V*x(kNm)	SHEAR V*y(kNm)	AXIAL P*(kN)
SAS–101	S1A 12.0m	A – Wind from side	96	13	27	0	15	10
		B – Wind from back	12	67	3	9	2	10
SAS–102	S1A 9.6m	A – Wind from side	96	13	27	0	15	10
		B – Wind from back	12	67	3	9	2	10
SAS–103	S1B 9.6m	A – Wind from side	58	0	2	0	11	5
		B – Wind from back	0	38	0	7	0	5
SAS–104	S1B 7.2m	A – Wind from side	37	0	1	0	7	5
		B – Wind from back	0	37	1	7	0	5
SAS–105	S1B 4.8m	A – Wind from side	18	0	1	0	5	5
		B – Wind from back	0	18	1	5	0	5
SAS–106	S2B 7.2m	A – Wind from side	46	5	3	1	10	4
		B – Wind from back	3	23	1	5	1	4
SAS–107	S2C 7.2m	A – Wind from side	44	5	3	1	10	4
		B – Wind from back	2	21	1	5	1	4
SAS–108	S2C 4.8m	A – Wind from side	18	2	1.5	1	6	3
		B – Wind from back	2	18	1.5	6	1	3
SAS–109	S2D 5.0m	A – Wind from side	13	1	1	0	4	2
		B – Wind from back	1	13	1	4	0	2

FOUNDATION TABLE

POLE Type	SQUARE Dim	PAD DEPTH	PAD REINFORCEMENT Top & Bottom	PIER DEPTH
S1A 12–9.6m	2.5m	0.75m	9N16	2.8m
S1B 9.6m	2.0m	0.7m	7N16	2.0m
S1B 7.2–4.8m	1.5m	0.8m	6N12	1.8m
S2B 7.2m	1.5m	0.6m	N16–200	2.0m
S2C 7.2m	1.5m	0.6m	N16–200	2.0m
S2C 4.8m	1.2m	0.45m	N16–250	1.3m
S2D 5.0m	1.2m	0.45m	N16–250	1.3m
S2 4.75m	1.2m	0.5m	N16–200	1.2m

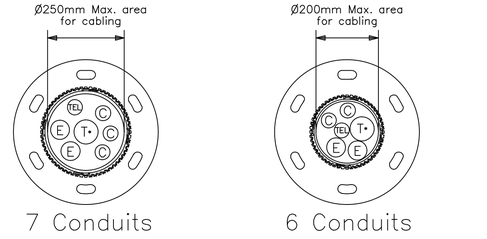
NOTE
1. Design based on following conditions.
2. Concrete cover to reinforcement 50mm
3. Concrete strength f'c=32MPa
4. Soil Parameters:
   peirs – Cu = 40kPa
   pad – minimum bearing capacity 150kPa
5. A Geo Technical survey is required to determine each specific sites conditions.
6. The following is for comparison only.
7. Refer to Fully Loaded Dwg's for detailed pole configuration.

ISSUED FOR
INFORMATION ONLY

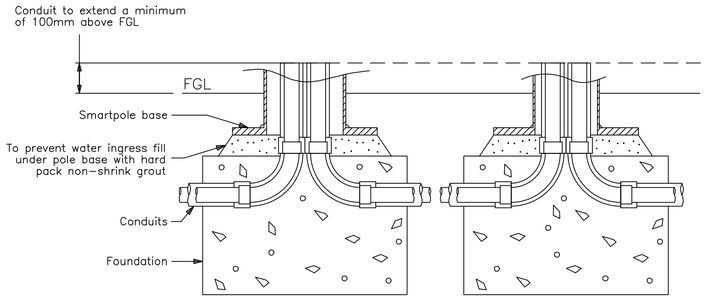


PIER FOOTING

TYPICAL FOOTING DETAILS
(HUB GROUP)



FOOTING PLAN VIEW



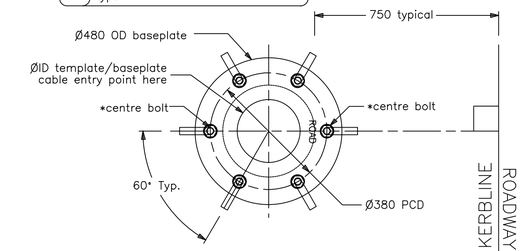
FOOTING SECTION VIEW

SYMBOLS
- (TEL) – Ø50 Teleco.
- (C) – Ø50 Council
- (E) – Ø63 Electricity
- (T•) – Ø80 Traffic Signal

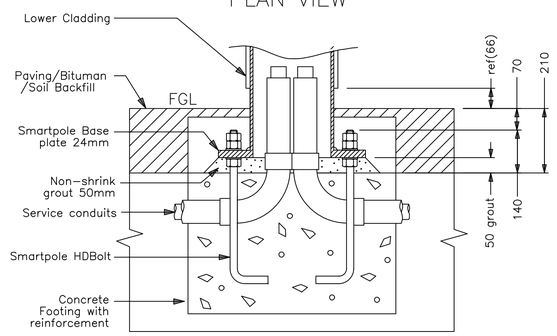
NOTE
All conduits as shown in the plan views shall be placed in all Smartpoles.
Where the Ø80 Traffic conduit is not used for traffic signals then the use of this conduit is at the discretion of the council.
Microcell's – Where fitted to Smartpole the Ø50 Telecommunications conduit shall be segregated from the other services. This is to be achieved by running the conduit from the base of the pole to the underside of the mounted unit. Approx. 5m.

TYPICAL CONDUIT ARRANGEMENT
(HUB GROUP)

NOTE
*Center bolts must be set perpendicular the the roadway. Failure to do this will result in the light arm of the pole being skewed over the road.
*Ensure template ØID matches pole type.



PLAN VIEW



SECTION VIEW

TYPICAL HDBOLT SETUP
(HUB GROUP)

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SA	GD	03.10.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RS	SA	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

Scales: NOT TO SCALE

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	H.THIAUW	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	S. ASHMAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: LIGHTING DETAILS SHEET 4

ARCADIS
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www.arcadis.com/au

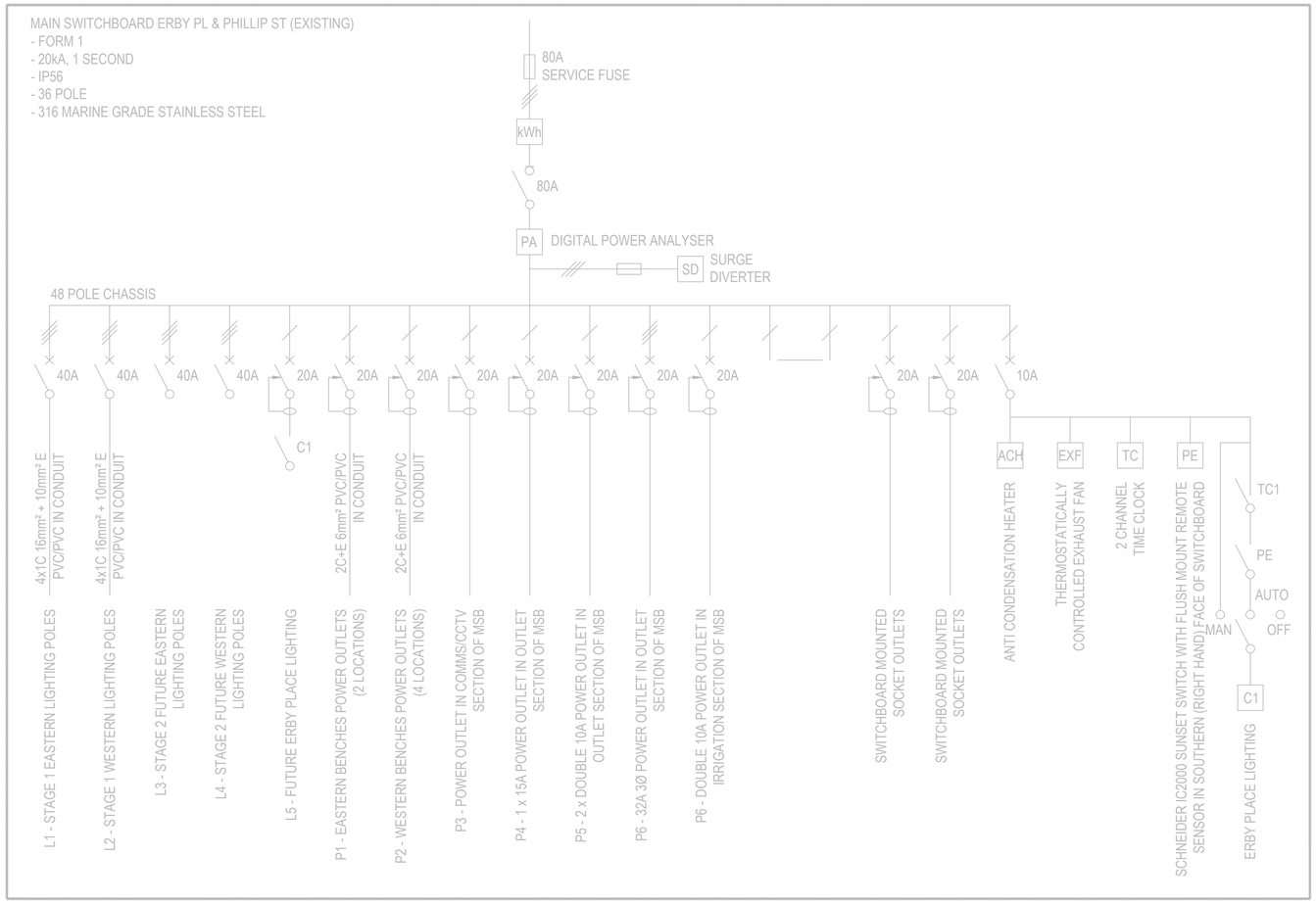
Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0714

Issue: 03

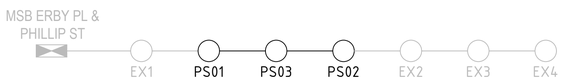
100mm on Original

Date Plotted: 3 Oct 2025 - 05:59pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0714-LightingDetailsSheet4.dwg



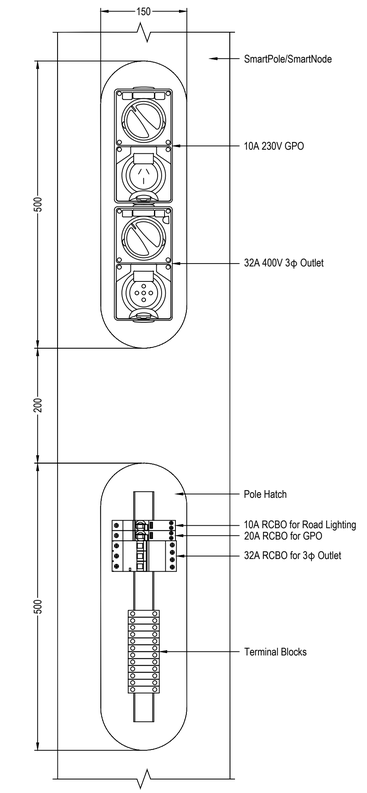
EXISTING ERBY PLACE AND PHILLIP STREET MAIN SWITCHBOARD SINGLE LINE DIAGRAM

NOT TO SCALE



ROAD LIGHTING CIRCUIT DIAGRAM

NOT TO SCALE



TYPICAL DETAILS - POLE BASE

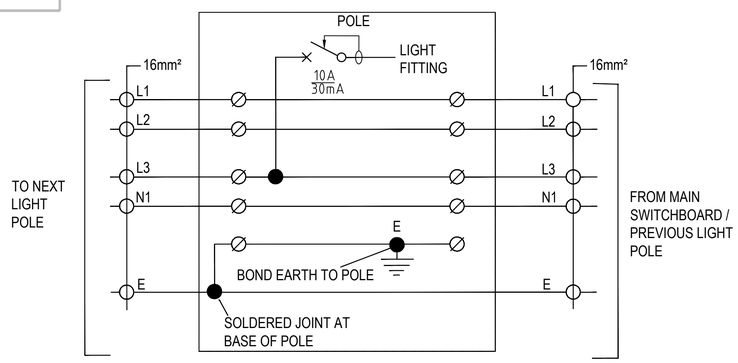
NOT TO SCALE

LEGEND

- CIRCUIT BREAKER
- CIRCUIT BREAKER RCD TYPE
- ISOLATOR
- CONTACTOR
- EARTH
- SD — SURGE PROTECTION DEVICE
- kWh — SUPPLY AUTHORITY METER
- PE — PHOTO CELL
- TC — TIME CLOCK
- MAIN SWITCHBOARD
- Φ — PHASE CONNECTION
- LIGHTING COLUMN

NOTES:

1. THE SINGLE LINE DIAGRAM FOR ERBY PL & PHILLIP ST MAIN SWITCHBOARD IS EXTRACTED FROM LIGHTING, ART & SCIENCE (LAS) ELECTRICAL DRAWING DOCUMENTATION, ISSUE C1-CONSTRUCTION ISSUE DATED ON 25/05/20, PROVIDED BY CITY OF PARRAMATTA.
2. THE CONTRACTOR SHALL CONDUCT A COMPULSORY SITE VISIT PRIOR TENDER TO CONFIRM THAT THE SWITCHGEAR, CIRCUITS AND CABLING INSTALLED ARE THE SAME AS LAS CONSTRUCTION ISSUE DOCUMENTATION. IF THERE IS A DEVIATION OR ADDITION FROM THE LAS CONSTRUCTION ISSUE DOCUMENTATION, CONTRACTOR SHALL RAISE IT TO THE CITY OF PARRAMATTA PRIOR TENDER.
3. THE DETAILS ON SCHEMATIC IS APPLICABLE FOR THE LIGHTING WORK ON PHILLIP STREET.
4. CONTRACTOR TO INSPECT THE ORIGIN OF THE RELOCATED ROAD LIGHT (PS01) AND PEDESTRIAN FLOODLIGHT (PS02) CIRCUIT'S THEN ALLOCATE THE PHASE CONNECTION FOR POLE PS03 ACCORDINGLY.
5. CONTRACTOR SHOULD USE A NEW CABLING FROM THE FIRST ROAD LIGHT (EX1) TO THE RELOCATED PS01.
6. CONTRACTOR SHOULD USE A NEW CABLING FROM POLE PS01 TO EX2.
7. THE CABLING METHOD SHALL FOLLOW CITY OF PARRAMATTA INSTALLATION GUIDELINE, WHICH IS LOOP IN LOOP OUT.
8. THE POWER SUPPLY FOR BICYCLE/SCOOTER/PEDESTRIAN COUNTING DEVICE AT PS02 SHALL BE CONNECTED TO PS02 GPO CIRCUIT.
9. THE EQUIPMENT SHOWN IN THE 'TYPICAL DETAILS - POLE BASE' ARE VARY BETWEEN POLE. CONTRACTOR SHALL REFER TO THE POLE SCHEDULE FOR THE REQUIRED EQUIPMENT ON EACH POLE THEN PROVIDE THE AMOUNT OF CIRCUIT BREAKERS AND TERMINAL BLOCKS ACCORDINGLY.



TYPICAL POLE WIRING

NOT TO SCALE

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SA	GD	03.10.2025
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01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

100mm on Original

Scales: NOT TO SCALE

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
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Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	H.THIAUW	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	S. ASHMAN		

Project: PARRAMATTA CIVIC LINK PHILLIP STREET WORKS

Title: LIGHTING DETAILS SHEET 5

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www.arcadis.com/au

Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0715

Issue: 03

Date Plotted: 3 Oct 2025 - 05:59pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Phillip Street\DRG\CL3-AAP-DD-PS-DRG-CI-0715-LightingDetailsSheet5.dwg

LUMINAIRE SCHEDULE

POLE NUMBER	CODE	DESCRIPTION	PRODUCT CODE AND NAME	FINISH	CONTROL GEAR	OPTICS	SUPPLIER
PS03	FL1	POLE MOUNTED FLOODLIGHT - SASTA LED MAXIMUS 150W, 4000K, IP66, IK07 WITH 7 PIN NEMA BASE. MOUNTED AT 7.0m HIGH	SL99Z43L150 - SLED2 150W 4K XT PES7 CO 9007	TO MATCH WITH EXISTING	INTEGRAL DALI-2 DRIVER	ASYMMETRIC	SYLVANIA SCHREDER

NOTE:

1. CONTRACTOR SHALL SUPPLY AND INSTALL THE REQUIRED ACCESSORIES IN ORDER TO ENABLE COMPLETE INSTALLATION.

POLE SCHEDULE

POLE NUMBER	POLE SETOUT (CENTRE OF POLE)		POLE HEIGHT (m)	OUTREACH LENGTH (m)	POLE TYPE	FINISH	STANDARD HUB PIER FOOTING	LUMINAIRE TYPE	LUMINAIRE MOUNTING HEIGHT (m)	LUMINAIRE UPCAST (°)	SMART LIGHTING CONTROLLER	3Ø OUTLET	GPO	CCTV (PTZ)	BICYCLE/SCOOTER/ PEDESTRIAN COUNTER	Wi-Fi	WAYFINDING SIGNAGE BRACKETS
	EASTING	NORTHING															
PS01 (EW01)	315383.902	6256828.370	9.6	3	EXISTING	EXISTING	STANDARD HUB	EXISTING	9	0	✓	N/A	✓	N/A	N/A	N/A	✓
PS02 (EW02)	315418.614	6256817.443	9.6	4	EXISTING	EXISTING	STANDARD HUB	EXISTING	7	0	✓	✓	✓	✓	✓	✓	✓
PS03 (EW03)	315406.580	6256830.298	9.6	4	S1A FROM HUB GROUP	TO MATCH WITH EXISTING	STANDARD HUB	FL1	7	0	✓	N/A	✓	✓	N/A	N/A	✓

NOTE:

1. THE PROPOSED POLES LOCATION HAVE BEEN COORDINATED WITH OTHER SERVICES AND AVOID THE EXISTING UNDERGROUND SERVICES. THEREFORE, THE POLE SETOUT SHALL BE FOLLOWED.
2. PS01 AND PS02 ARE AN EXISTING SMARTPOLE TO BE REUSED AND RELOCATED TO THE NEW POSITION AS PER POLE SETOUT. CONTRACTOR SHALL PERFORM CONDITION ASSESSMENT OF EXISTING POLES AND CONFIRM THEY ARE SUITABLE TO BE REUSED PRIOR TO START OF CONSTRUCTION
3. THE EXISTING FLOODLIGHT FOR POLE PS02 IS TO BE MOUNTED AT COORDINATE X = 315419.476; Y = 6256820.421
4. THE NEW FLOODLIGHT FL1 FOR POLE PS03 IS TO BE MOUNTED AT COORDINATE X = 315405.873; Y = 6256827.847
5. CONTRACTOR SHALL PROVIDE THE REQUIRED ACCESSORIES AND EQUIPMENT FOR EACH POLE AS SHOWN IN THE ABOVE TABLE.
6. CONTRACTOR SHALL LIAISE WITH HUB GROUP, COUNTCULTURE, CCTV AND WIFI SUPPLIER FOR THE REQUIRED OUTREACH ARM.
7. CONTRACTOR SHALL LIAISE WITH SCHREDER FOR THE EXEDRA TALQ OWLET SLCs SMART LIGHTING CONTROLLER.
8. THE EXISTING FIXED 4 WAY CCTV CAMERA ON POLE PS01 (EW01) SHALL BE RETAINED.
9. THE EXISTING CCTV CAMERA ON POLE PS02 (EW02) SHALL BE DECOMMISSIONED AND RETURNED TO CITY OF PARRAMATTA. IT SHALL BE REPLACED WITH A NEW MODEL FROM **HANWHA PNM-C34404RQPZ.** THE POLE PS03 SHALL BE EQUIPPED WITH THE SAME CCTV CAMERA MODEL AS POLE PS02.
10. THE EXISTING COMMUNICATION CABLES HAVE TO BE RE-ROUTED THROUGH THE NEW CONDUITS AND PITS THEN RECONNECTED TO THE EXISTING EQUIPMENTS (CCTV CAMERAS AND WI-FI).
11. THE EXISTING COMMUNICATION CABLES HAVE TO BE REPLACED WITH NEW IF THE LENGTH IS INSUFFICIENT TO REACH THE EQUIPMENT AFTER RE-ROUTING. APPROVAL FROM CITY OF PARRAMATTA ASSET TEAM IS REQUIRED IF CONTRACTOR PROPOSES TO EXTEND THE EXISTING COMMUNICATION CABLES BY JOINING WITH NEW.
12. THE GPO AND 3Ø OUTLET IN THE POLE BASE SHALL BE LOCKABLE TYPE.

EQUIPMENT SCHEDULE

ITEM	DESCRIPTION	SUPPLIER
PIT	600x600 ELECTRICAL AND COMMUNICATION PIT WITH PAVING INFILL LID (CLASS D)	ACO CABLEMATE OR MASCOT ENGINEERING
CONTROL CABLE	DALI LIGHTING CONTROL CABLE 2x1.5mm^2	-

NOTE:

1. CONTRACTOR SHALL COORDINATE THE PIT LID PAVERS WITH LANDSCAPE ARCHITECTS.
2. THE PIT LID SHALL HAVE 'CoP ELECTRICAL' AND 'CoP COMMUNICATION' WORDING IMPRESSED ON THE LID.

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Scales

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	H.THIAUW	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	S. ASHMAN		

Project: PARRAMATTA CIVIC LINK
PHILLIP STREET WORKS

Title: LIGHTING SCHEDULE

ARCADIS
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Project Number: 30286862

Drawing No.: CL3-AAP-DD-PS-DRG-CI-0721

Issue: 03

100mm on Original

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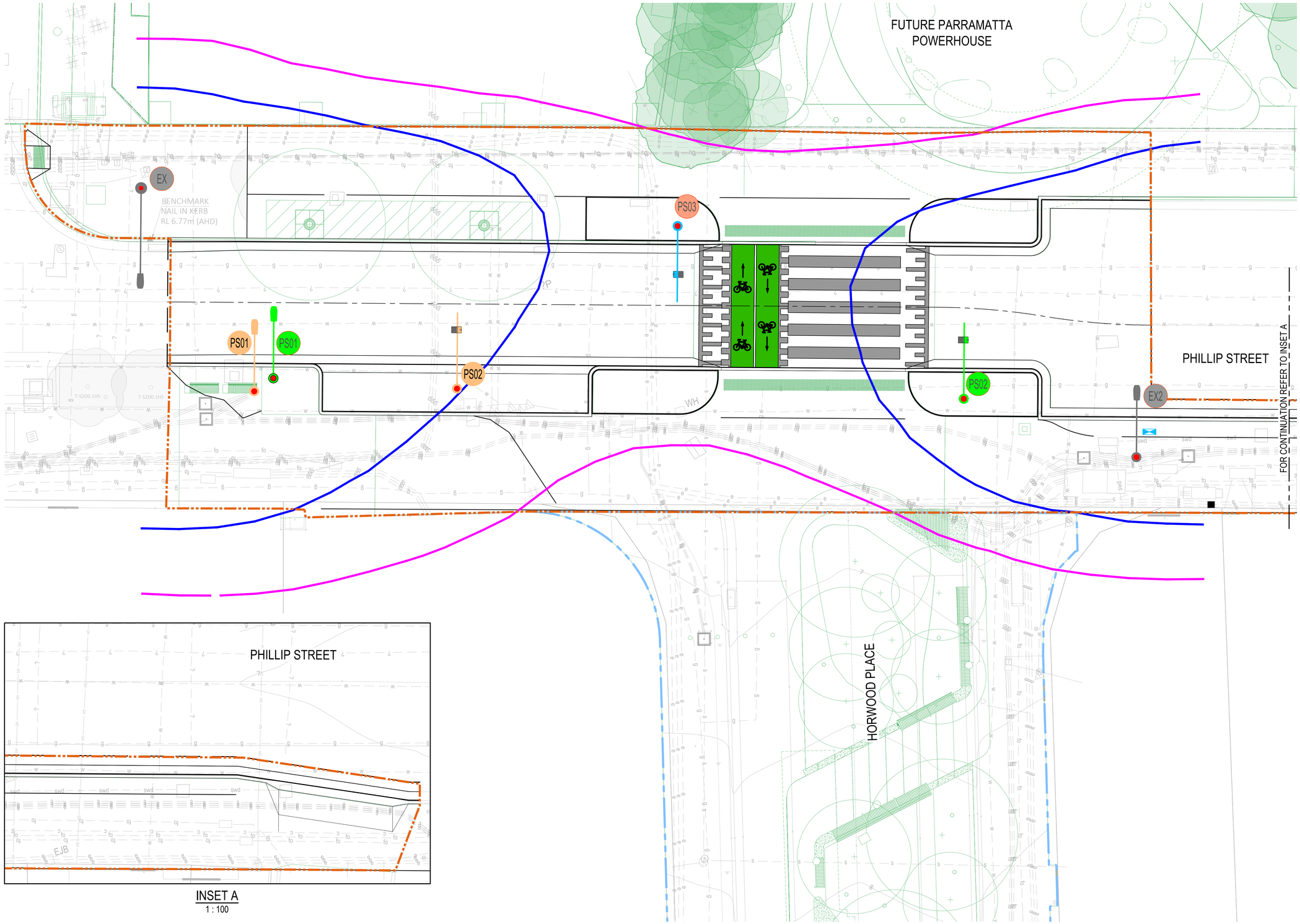

LEGEND

- PHILLIP STREET WORKS SITE BOUNDARY
- HORWOOD PLACE WORKS SITE BOUNDARY
- ARCHITECTURAL WORKS
- PSXX — CoP PROPOSED MFP WITH NEW FLOODLIGHT
- PSXX — CoP EXISTING MFP AND FLOODLIGHT RELOCATED
- PSXX — CoP EXISTING MFP RELOCATED
- PSXX — CoP EXISTING MFP AND FLOODLIGHT TO BE RELOCATED
- PSXX — CoP EXISTING MFP TO BE RELOCATED
- EXX — CoP EXISTING MFP TO REMAIN
- EX — ENDEAVOUR ENERGY EXISTING LIGHT POLE TO REMAIN
- ISOLUX 15 LX
- ISOLUX 7.5 LX

INSET A
1 : 100

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RS	SA	GD	03.10.2025
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01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	MK	18.07.2025

100mm on Original

Scales

0 1 2 4 6 8 10m

1 : 100

Surveyor: surveyplus, DURKIN

Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
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Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	H.THIAUW	Height Datum	AHD
Project Manager	S. GEERDINK	Grid	MGA/20-56
Verified	S. ASHMAN		

Project: PARRAMATTA CIVIC LINK
PHILLIP STREET WORKS

Title: ISOLUX PLAN

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Issue: 03

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