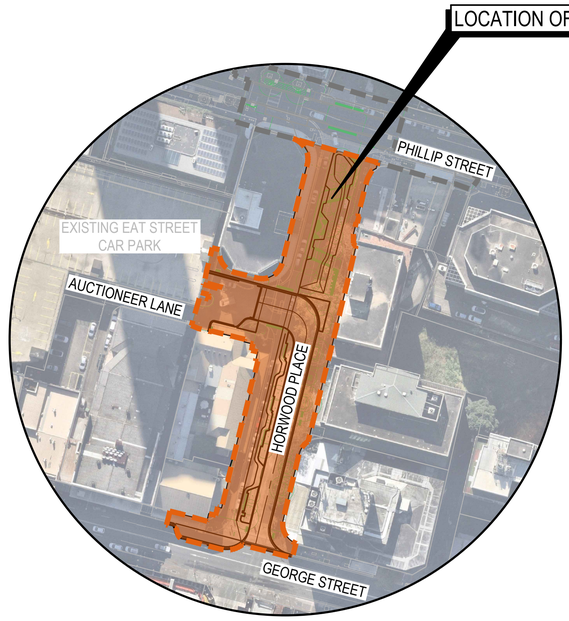
PARRAMATTA CIVIC LINK - HORWOOD PLACE WORKS

100% DETAILED DESIGN

CITY OF PARRAMATTA

DRAWING SCHEDULE

DRAWING NUMBER	DESCRIPTION
GENERAL	
CL3-AAP-DD-HP-DRG-CI-0001	COVER SHEET AND DRAWING LIST
CL3-AAP-DD-HP-DRG-CI-0021	GENERAL NOTES
CL3-AAP-DD-HP-DRG-CI-0061	GENERAL ARRANGEMENT PLAN
CL3-AAP-DD-HP-DRG-CI-0081	DEMOLITION PLAN SHEET 1
CL3-AAP-DD-HP-DRG-CI-0082	DEMOLITION PLAN SHEET 2
CL3-AAP-DD-HP-DRG-CI-0083	DEMOLITION PLAN SHEET 3
CL3-AAP-DD-HP-DRG-CI-0084	DEMOLITION PLAN SHEET 4
EARTHWORKS	
CL3-AAP-DD-HP-DRG-CI-0101	EARTHWORKS PLAN SHEET 1
CL3-AAP-DD-HP-DRG-CI-0102	EARTHWORKS PLAN SHEET 2
CL3-AAP-DD-HP-DRG-CI-0103	EARTHWORKS PLAN SHEET 3
CL3-AAP-DD-HP-DRG-CI-0104	EARTHWORKS PLAN SHEET 4
CL3-AAP-DD-HP-DRG-CI-0121	EARTHWORKS SITE SECTIONS
CL3-AAP-DD-HP-DRG-CI-0171	EROSION AND SEDIMENT CONTROL PLAN SHEET 1
CL3-AAP-DD-HP-DRG-CI-0172	EROSION AND SEDIMENT CONTROL PLAN SHEET 2
CL3-AAP-DD-HP-DRG-CI-0173	EROSION AND SEDIMENT CONTROL PLAN SHEET 3
CL3-AAP-DD-HP-DRG-CI-0174	EROSION AND SEDIMENT CONTROL PLAN SHEET 4
CL3-AAP-DD-HP-DRG-CI-0191	EROSION AND SEDIMENT CONTROL DETAILS
ROADWORKS AND DRAINAGE	
CL3-AAP-DD-HP-DRG-CI-0201	CIVIL WORKS PLAN SHEET 1
CL3-AAP-DD-HP-DRG-CI-0202	CIVIL WORKS PLAN SHEET 2
CL3-AAP-DD-HP-DRG-CI-0203	CIVIL WORKS PLAN SHEET 3
CL3-AAP-DD-HP-DRG-CI-0204	CIVIL WORKS PLAN SHEET 4
CL3-AAP-DD-HP-DRG-CI-0221	ROAD CONTROL SETOUT PLAN SHEET 1
CL3-AAP-DD-HP-DRG-CI-0222	ROAD CONTROL SETOUT PLAN SHEET 2
CL3-AAP-DD-HP-DRG-CI-0223	ROAD CONTROL SETOUT PLAN SHEET 3
CL3-AAP-DD-HP-DRG-CI-0224	ROAD CONTROL SETOUT PLAN SHEET 4
CL3-AAP-DD-HP-DRG-CI-0241	TYPICAL ROAD SECTIONS
CL3-AAP-DD-HP-DRG-CI-0251	ROAD LONGITUDINAL SECTIONS SHEET 1
CL3-AAP-DD-HP-DRG-CI-0252	ROAD LONGITUDINAL SECTIONS SHEET 2
CL3-AAP-DD-HP-DRG-CI-0281	ROAD CROSS SECTIONS SHEET 1
CL3-AAP-DD-HP-DRG-CI-0282	ROAD CROSS SECTIONS SHEET 2
CL3-AAP-DD-HP-DRG-CI-0283	ROAD CROSS SECTIONS SHEET 3
CL3-AAP-DD-HP-DRG-CI-0284	ROAD CROSS SECTIONS SHEET 4
CL3-AAP-DD-HP-DRG-CI-0285	ROAD CROSS SECTIONS SHEET 5
CL3-AAP-DD-HP-DRG-CI-0311	KERB RETURNS SHEET 1
CL3-AAP-DD-HP-DRG-CI-0312	KERB RETURNS SHEET 2
CL3-AAP-DD-HP-DRG-CI-0313	KERB RETURNS SHEET 3
CL3-AAP-DD-HP-DRG-CI-0314	KERB RETURNS SHEET 4
CL3-AAP-DD-HP-DRG-CI-0341	PAVEMENT PLAN SHEET 1
CL3-AAP-DD-HP-DRG-CI-0342	PAVEMENT PLAN SHEET 2
CL3-AAP-DD-HP-DRG-CI-0343	PAVEMENT PLAN SHEET 3
CL3-AAP-DD-HP-DRG-CI-0344	PAVEMENT PLAN SHEET 4
CL3-AAP-DD-HP-DRG-CI-0351	SIGNAGE AND LINEMARKING PLAN SHEET 1
CL3-AAP-DD-HP-DRG-CI-0352	SIGNAGE AND LINEMARKING PLAN SHEET 2
CL3-AAP-DD-HP-DRG-CI-0353	SIGNAGE AND LINEMARKING PLAN SHEET 3
CL3-AAP-DD-HP-DRG-CI-0354	SIGNAGE AND LINEMARKING PLAN SHEET 4
CL3-AAP-DD-HP-DRG-CI-0361	CIVIL WORKS DETAILS SHEET 1
CL3-AAP-DD-HP-DRG-CI-0362	CIVIL WORKS DETAILS SHEET 2
CL3-AAP-DD-HP-DRG-CI-0401	STORMWATER PLAN SHEET 1
CL3-AAP-DD-HP-DRG-CI-0402	STORMWATER PLAN SHEET 2
CL3-AAP-DD-HP-DRG-CI-0403	STORMWATER PLAN SHEET 3
CL3-AAP-DD-HP-DRG-CI-0404	STORMWATER PLAN SHEET 4
CL3-AAP-DD-HP-DRG-CI-0421	CATCHMENT PLAN
CL3-AAP-DD-HP-DRG-CI-0441	STORMWATER LONGITUDINAL SECTIONS AND PIT SCHEDULE
CL3-AAP-DD-HP-DRG-CI-0471	BIORETENTION GENERAL NOTES
CL3-AAP-DD-HP-DRG-CI-0472	BIORETENTION DETAILS
CL3-AAP-DD-HP-DRG-CI-0473	BIORETENTION SETOUT PLAN SHEET 1
CL3-AAP-DD-HP-DRG-CI-0474	BIORETENTION SETOUT PLAN SHEET 2
CL3-AAP-DD-HP-DRG-CI-0475	BIORETENTION SECTIONS SHEET 1
CL3-AAP-DD-HP-DRG-CI-0476	BIORETENTION SECTIONS SHEET 2
CL3-AAP-DD-HP-DRG-CI-0477	BIORETENTION SECTIONS SHEET 3
CL3-AAP-DD-HP-DRG-CI-0478	BIORETENTION SECTIONS SHEET 4
CL3-AAP-DD-HP-DRG-CI-0481	STORMWATER DETAILS SHEET 1
CL3-AAP-DD-HP-DRG-CI-0482	STORMWATER DETAILS SHEET 2
CL3-AAP-DD-HP-DRG-CI-0483	STORMWATER DETAILS SHEET 3
SERVICES	
CL3-AAP-DD-HP-DRG-CI-0501	COMBINED UTILITIES PLAN SHEET 1
CL3-AAP-DD-HP-DRG-CI-0502	COMBINED UTILITIES PLAN SHEET 2
CL3-AAP-DD-HP-DRG-CI-0503	COMBINED UTILITIES PLAN SHEET 3
CL3-AAP-DD-HP-DRG-CI-0504	COMBINED UTILITIES PLAN SHEET 4
CL3-AAP-DD-HP-DRG-CI-0511	UTILITIES REGISTER PLAN SHEET 1
CL3-AAP-DD-HP-DRG-CI-0512	UTILITIES REGISTER PLAN SHEET 2
CL3-AAP-DD-HP-DRG-CI-0513	UTILITIES REGISTER PLAN SHEET 3
CL3-AAP-DD-HP-DRG-CI-0514	UTILITIES REGISTER PLAN SHEET 4
CL3-AAP-DD-HP-DRG-CI-0521	UTILITIES REGISTER SHEET 1
CL3-AAP-DD-HP-DRG-CI-0522	UTILITIES REGISTER SHEET 2
CL3-AAP-DD-HP-DRG-CI-0711	LIGHTING DETAILS SHEET 1
CL3-AAP-DD-HP-DRG-CI-0712	LIGHTING DETAILS SHEET 2
CL3-AAP-DD-HP-DRG-CI-0713	LIGHTING DETAILS SHEET 3
CL3-AAP-DD-HP-DRG-CI-0714	LIGHTING DETAILS SHEET 4
CL3-AAP-DD-HP-DRG-CI-0715	LIGHTING DETAILS SHEET 5
CL3-AAP-DD-HP-DRG-CI-0716	LIGHTING DETAILS SHEET 6
CL3-AAP-DD-HP-DRG-CI-0717	LIGHTING DETAILS SHEET 7
CL3-AAP-DD-HP-DRG-CI-0721	LIGHTING SCHEDULE
CL3-AAP-DD-HP-DRG-CI-0731	ISOLUX PLAN SHEET 1
CL3-AAP-DD-HP-DRG-CI-0732	ISOLUX PLAN SHEET 2
CL3-AAP-DD-HP-DRG-CI-0733	ISOLUX PLAN SHEET 3
CL3-AAP-DD-HP-DRG-CI-0734	ISOLUX PLAN SHEET 4
STRUCTURAL	
CL3-AAP-DD-HP-DRG-CI-0741	STRUCTURAL NOTES SHEET 1
CL3-AAP-DD-HP-DRG-CI-0742	STRUCTURAL NOTES SHEET 2
CL3-AAP-DD-HP-DRG-CI-0743	STRUCTURAL NOTES SHEET 3
CL3-AAP-DD-HP-DRG-CI-0744	STRUCTURAL NOTES SHEET 4
CL3-AAP-DD-HP-DRG-CI-0751	STRUCTURAL DETAILS SHEET 1
CL3-AAP-DD-HP-DRG-CI-0752	STRUCTURAL DETAILS SHEET 2
CL3-AAP-DD-HP-DRG-CI-0753	STRUCTURAL DETAILS SHEET 3
CL3-AAP-DD-HP-DRG-CI-0754	STRUCTURAL DETAILS SHEET 4
CL3-AAP-DD-HP-DRG-CI-0755	STRUCTURAL DETAILS SHEET 5
CL3-AAP-DD-HP-DRG-CI-0756	STRUCTURAL DETAILS SHEET 6
CL3-AAP-DD-HP-DRG-CI-0757	STRUCTURAL DETAILS SHEET 7



Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RD	CN	GD	12.11.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RD	CN	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RD	CR	GD	18.07.2025

Scales

0 10 20 40 60 80 100m

1 : 1000

100mm on Original

Surveyor: surveyplus, DURKIN

Landscape Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures

Drawn	R. DIESTA	Original Size	A1
Designed	L. CORSCADDEN	Height Datum	AHD
Project Manager	G. DUNSTAN	Grid	MGA/20-56
Verified	M. KURTZ		

Project: PARRAMATTA CIVIC LINK HORWOOD PLACE WORKS

Title: COVER SHEET AND DRAWING LIST

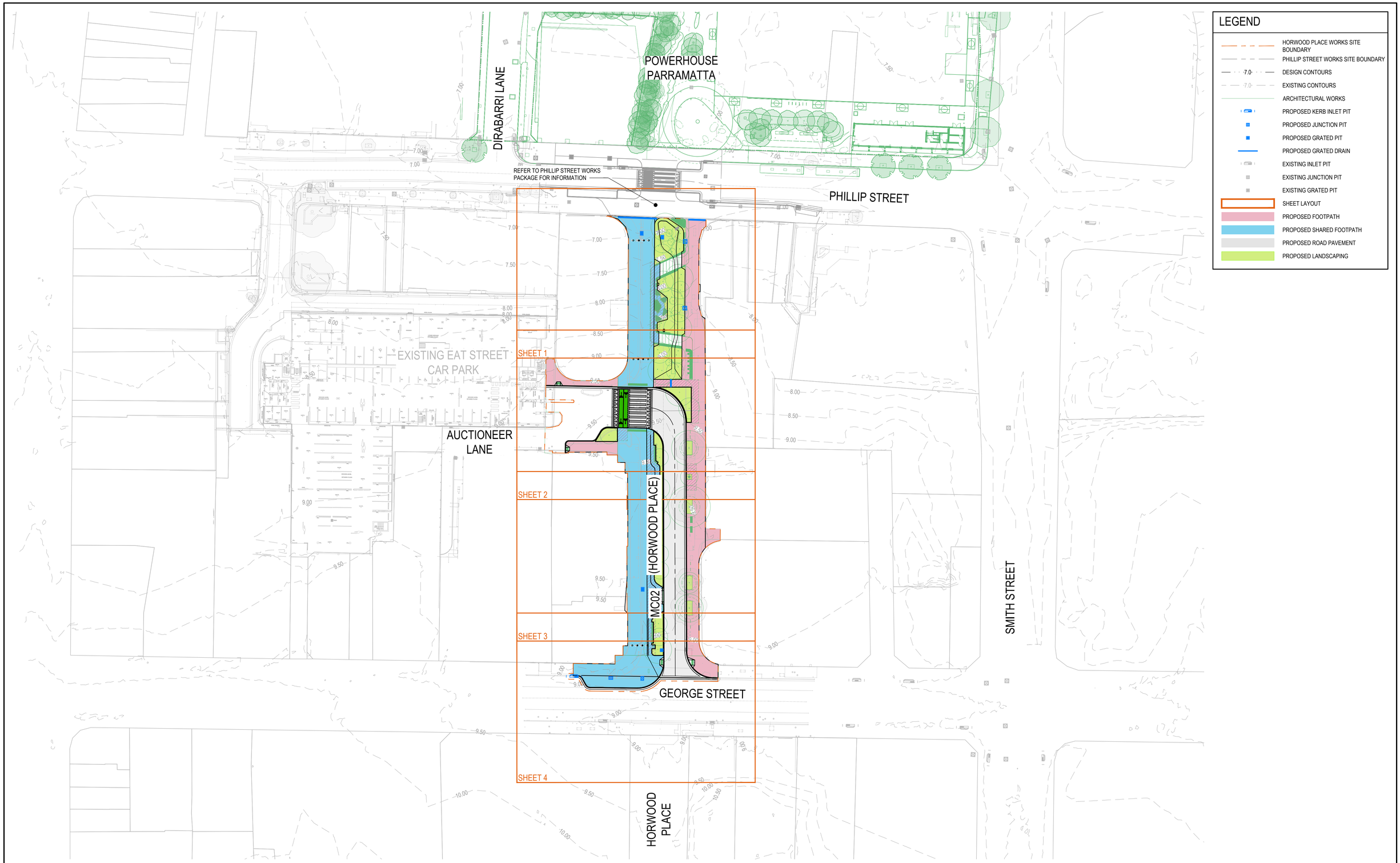
ARCADIS
Arcadis Australia Pacific Pty Limited
Level 15, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

Project Number: 30286862

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

Issue: 03

Date Plotted: 13 Nov 2025 - 02:41pm File Name: C:\Users\santosa4174\IDC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Horwood Place\DRG\CL3-AAP-DD-HP-DRG-CI-0001-CoverSheetAndDrawingList.dwg



Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RD	CN	GD	12.11.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RD	CN	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RD	CR	GD	18.07.2025

Scales

0 5 10 20 30 40 50m

1 : 500

100mm on Original

Surveyor: surveyplus, DURKIN

Landscape Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures

Drawn	R. DIESTA	Original Size	A1
Designed	L. CORSCADDEN	Height Datum	AHD
Project Manager	G. DUNSTAN	Grid	MGA/20-56
Verified	M. KURTZ		

Project: PARRAMATTA CIVIC LINK
HORWOOD PLACE WORKS

Title: GENERAL ARRANGEMENT PLAN

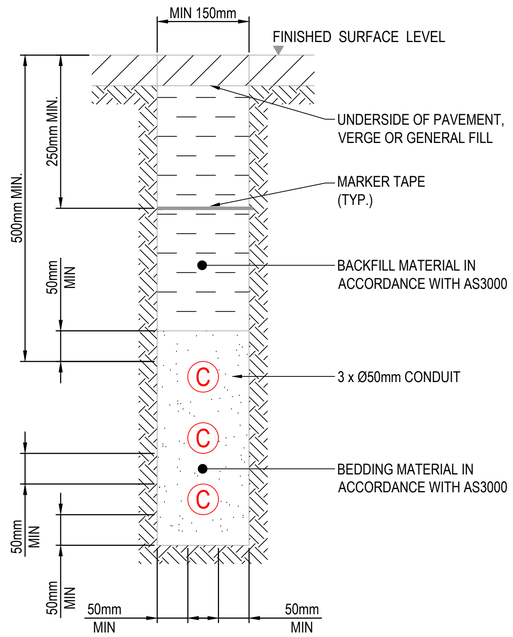
ARCADIS
Arcadis Australia Pacific Pty Limited
Level 15, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

Project Number: 30286862

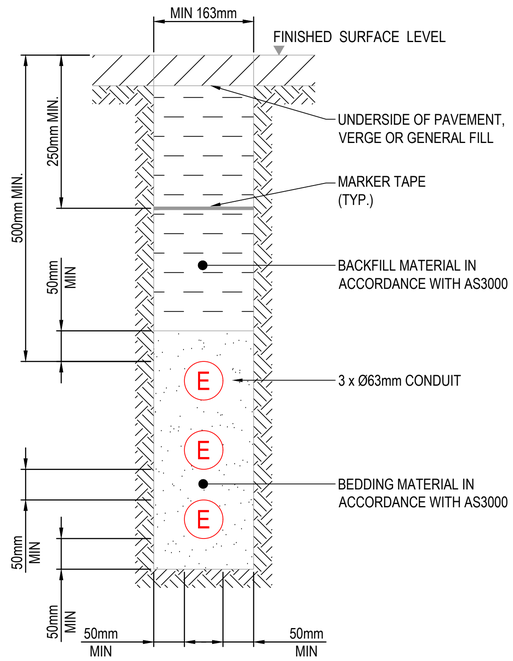
Drawing No.: CL3-AAP-DD-HP-DRG-CI-0061

Issue: 03

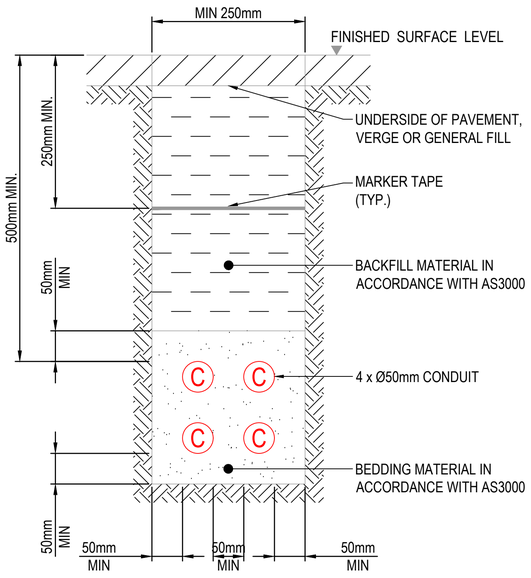
Date Plotted: 13 Nov 2025 - 02:42pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Horwood Place\DRG\CL3-AAP-DD-HP-DRG-CI-0061-GeneralArrangementPlan.dwg



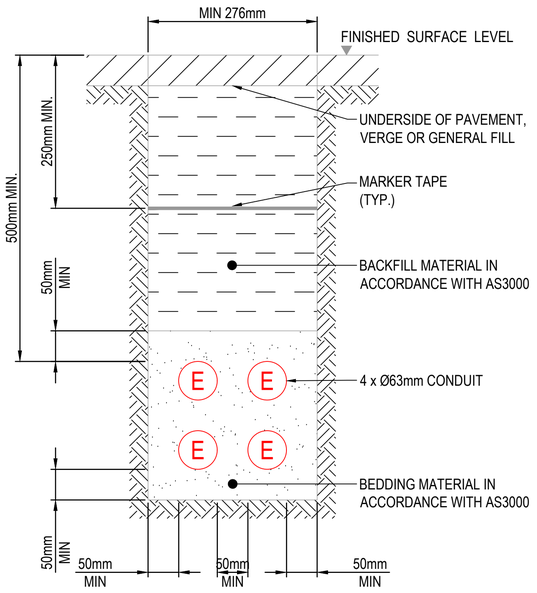
3C 3C



3E 3E



4C 4C



4E 4E

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

SCALE 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	RD	CN	GD	12.11.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RD	CN	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RD	CR	GD	18.07.2025

Scales

0 50 100 200 300 400 500mm

1 : 5

100mm on Original

Surveyor: surveyplus, DURKIN

Landscape Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

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

Project: PARRAMATTA CIVIC LINK HORWOOD PLACE WORKS

Title: LIGHTING DETAILS SHEET 1

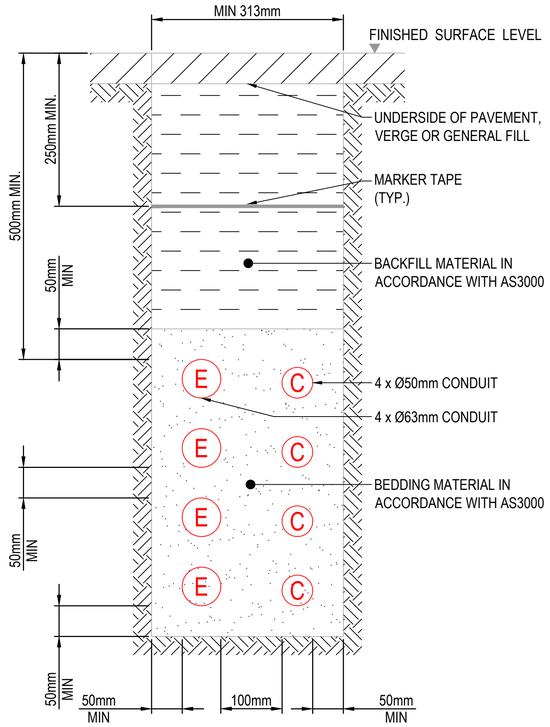
ARCADIS
Arcadis Australia Pacific Pty Limited
Level 15, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

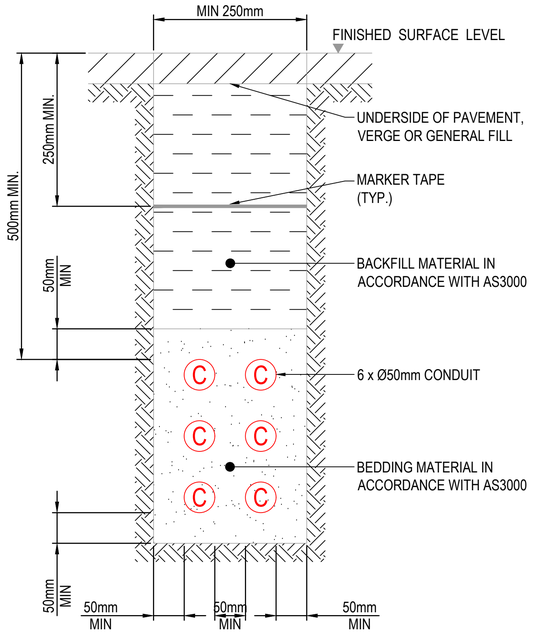
Project Number: 30286862

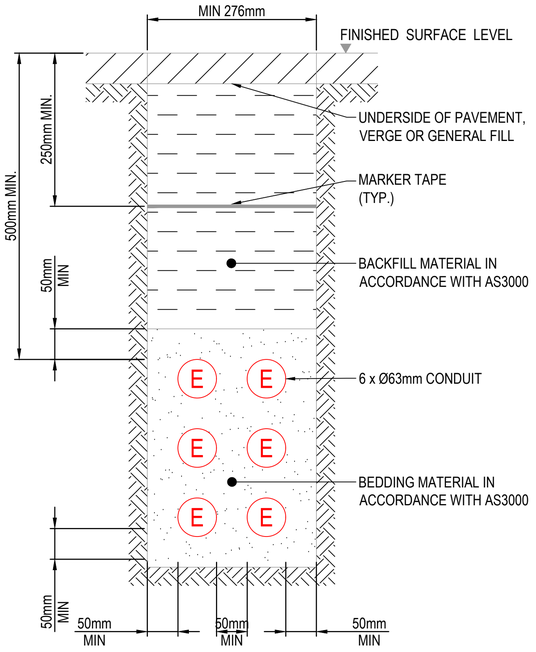
Drawing No.: CL3-AAP-DD-HP-DRG-CI-0711

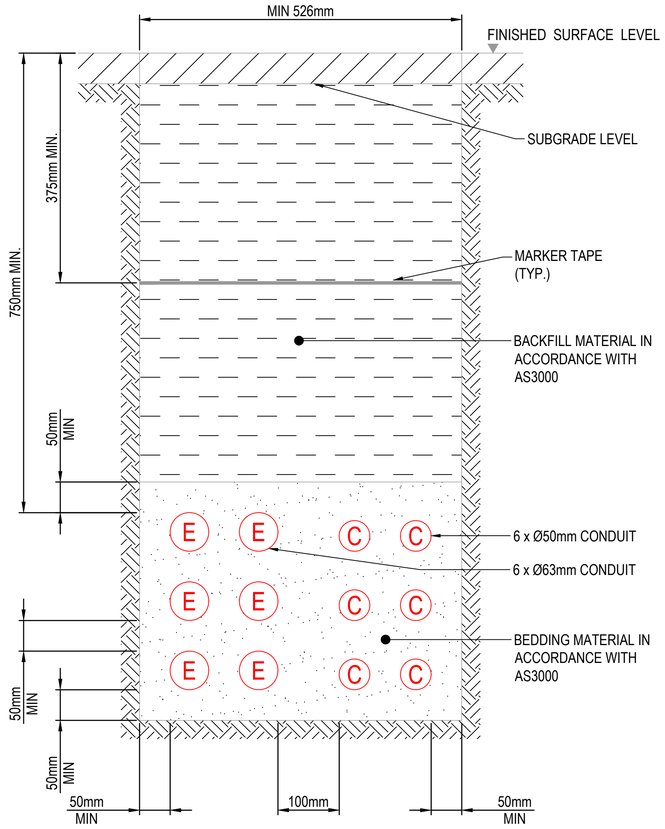
Issue: 03

Date Plotted: 13 Nov 2025 - 02:55pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Horwood Place\DRG\CL3-AAP-DD-HP-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	RD	CN	GD	12.11.2025
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01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RD	CR	GD	18.07.2025

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

100mm on Original

Surveyor: surveyplus, DURKIN

Landscape Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY — NOT TO BE USED FOR CONSTRUCTION

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

Project: PARRAMATTA CIVIC LINK HORWOOD PLACE WORKS

Title: LIGHTING DETAILS SHEET 2

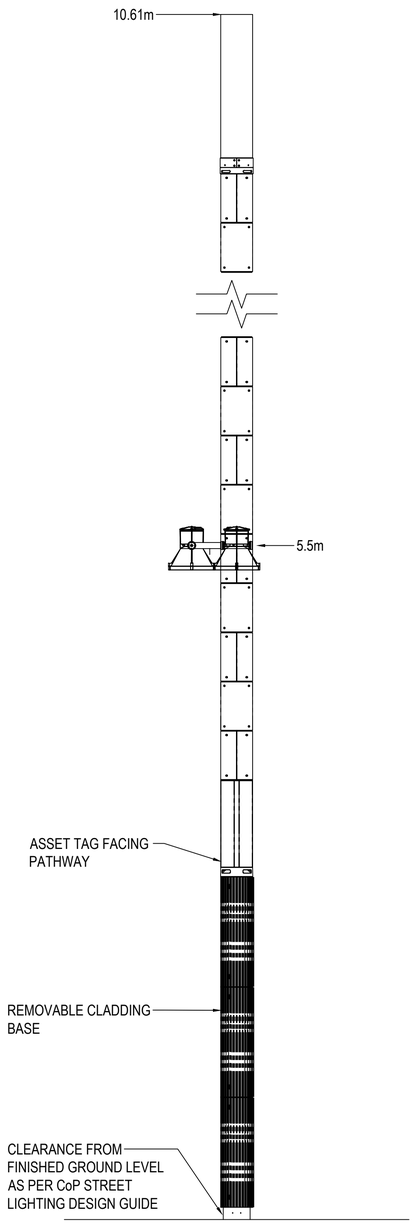
ARCADIS
Arcadis Australia Pacific Pty Limited
Level 15, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

Project Number: 30286862

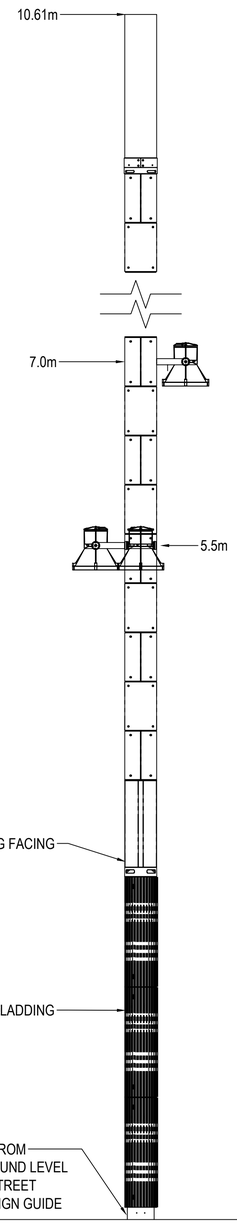
Drawing No.: CL3-AAP-DD-HP-DRG-CI-0712

Issue: 03

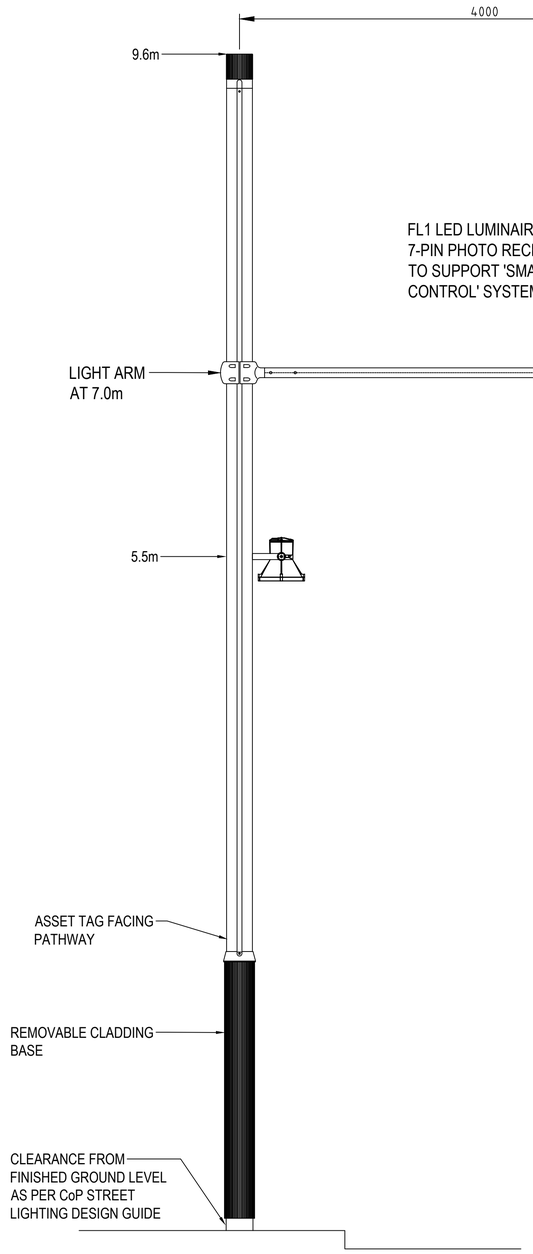
Date Plotted: 13 Nov 2025 - 02:55pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Horwood Place\DRG\CL3-AAP-DD-HP-DRG-CI-0712-LightingDetailsSheet2.dwg



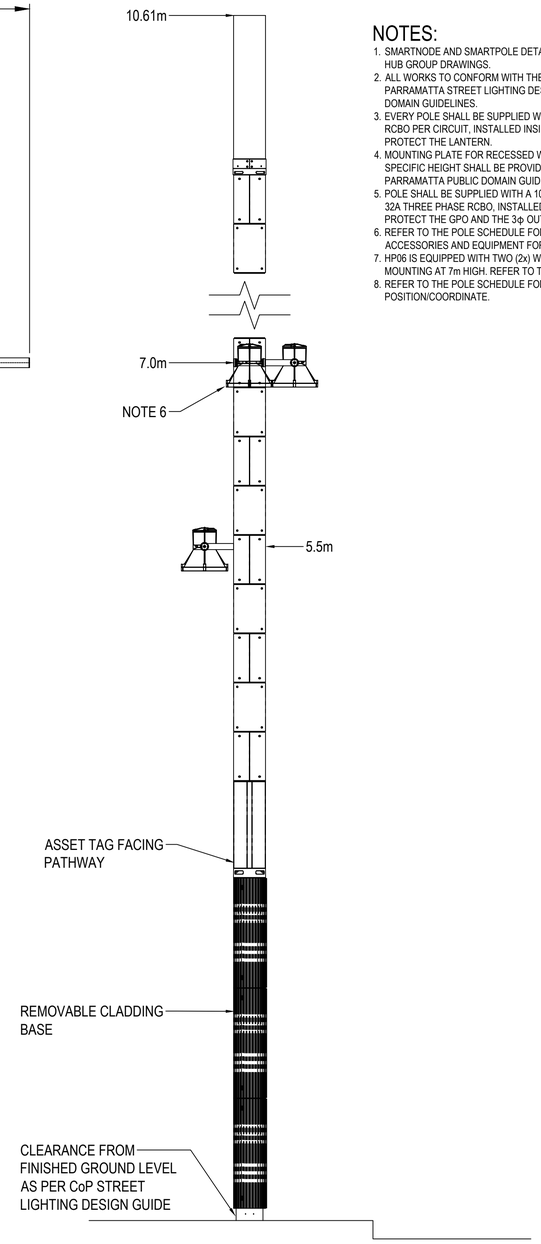
9.0m SMARTNODE WITH BEACON DETAILS
FOR POLE HP01 - HP03
(HUB GROUP)
SCALE NTS



9.0m SMARTNODE WITH BEACON DETAILS
FOR POLE HP05
(HUB GROUP)
SCALE NTS



S1B 9.6m SMARTPOLE DETAILS
FOR POLE HP04
(HUB GROUP)
SCALE NTS



9.0m SMARTNODE WITH BEACON DETAILS
FOR POLE HP06 - HP10
(HUB GROUP)
SCALE NTS

NOTES:

1. SMARTNODE AND SMARTPOLE DETAILS ARE 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 PER CIRCUIT, 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. POLE SHALL BE SUPPLIED WITH A 10A SINGLE PHASE RCBO AND 32A THREE PHASE RCBO, INSTALLED IN THE POLE BASE TO PROTECT THE GPO AND THE 3φ OUTLET.
6. REFER TO THE POLE SCHEDULE FOR THE REQUIRED ACCESSORIES AND EQUIPMENT FOR EACH POLE.
7. HP06 IS EQUIPPED WITH TWO (2x) WOODY FLOODLIGHT MOUNTING AT 7m HIGH. REFER TO THE LIGHTING LAYOUT PLAN.
8. REFER TO THE POLE SCHEDULE FOR THE EXACT POLE POSITION/COORDINATE.

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RD	CN	GD	12.11.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RD	CN	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RD	CR	GD	18.07.2025

100mm on Original

Scales

0 0.5 1 1.5 2 2.5m

1 : 25

Surveyor: surveyplus, DURKIN

Landscape Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

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

Project: PARRAMATTA CIVIC LINK
HORWOOD PLACE WORKS

Title: LIGHTING DETAILS
SHEET 3

ARCADIS
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SYDNEY NSW 2000
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Project Number: 30286862

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

Issue: 03

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NOTES:

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

POLE LOADING AND BASE REACTIONS TABLE

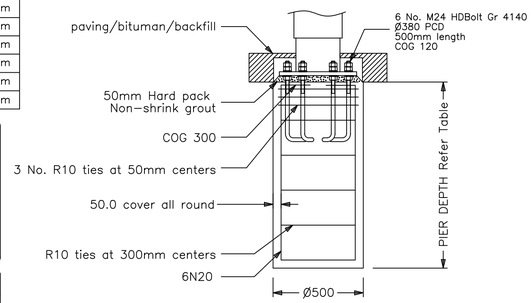
PART No.	POLE	LOAD CASE	MOMENT M*x(kNm	MOMENT M*y(kNm)	TORQUE T*x(kNm)	SHEAR V*x(kNm)	SHEAR V*y(kNm)	AXIAL P*(kN)
SAS–101	S1A 12.0m	A – Wind from side	96	13	27	0	15	10
		B – Wind from back	12	67	3	9	2	10
SAS–102	S1A 9.6m	A – Wind from side	96	13	27	0	15	10
		B – Wind from back	12	67	3	9	2	10
SAS–103	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

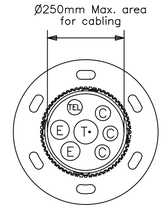
POLE Type	SQUARE Dim	PAD DEPTH	PAD REINFORCEMENT Top & Bottom	PIER DEPTH
S1A 12–9.6m	2.5m	0.75m	9N16	2.8m
S1B 9.6m	2.0m	0.7m	7N16	2.0m
S1B 7.2–4.8m	1.5m	0.8m	6N12	1.8m
S2B 7.2m	1.5m	0.6m	N16–200	2.0m
S2C 7.2m	1.5m	0.6m	N16–200	2.0m
S2C 4.8m	1.2m	0.45m	N16–250	1.3m
S2D 5.0m	1.2m	0.45m	N16–250	1.3m
S2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

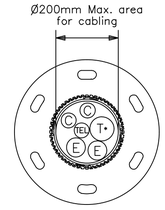
ISSUED FOR
INFORMATION ONLY



PIER FOOTING

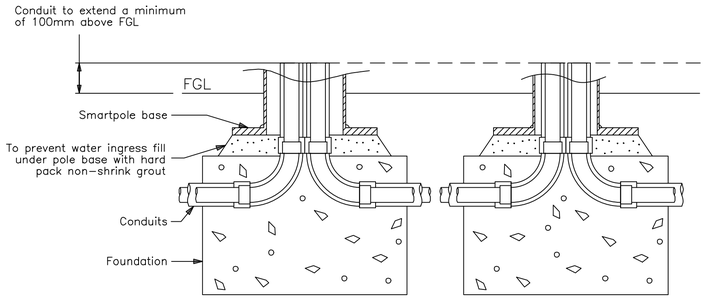


7 Conduits



6 Conduits

FOOTING PLAN VIEW



Type S1A

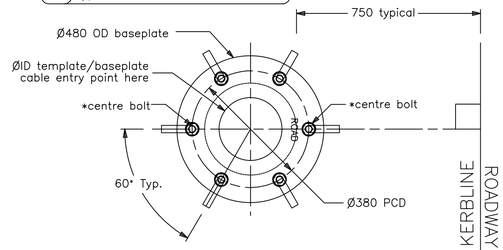
Type S1B, S2B

FOOTING SECTION VIEW

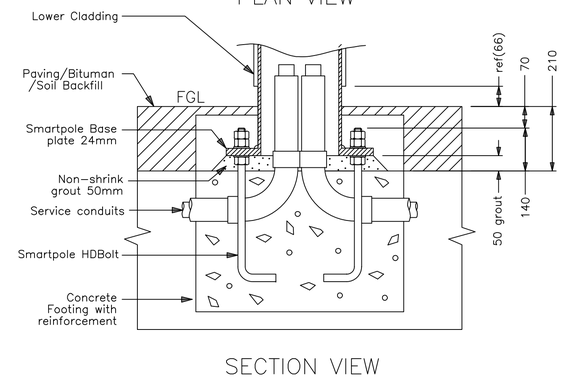
SYMBOLS	
TEL	–Ø50 Teleco.
C	–Ø50 Council
E	–Ø63 Electricity
T•	–Ø80 Traffic Signal

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 discrection 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.

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 SMARTPOLE FOOTING DETAILS
(HUB GROUP)

TYPICAL SMARTPOLE CONDUIT ARRANGEMENT
(HUB GROUP)

TYPICAL SMARTPOLE HDBOLT SETUP
(HUB GROUP)

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RD	CN	GD	12.11.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RD	CN	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	GD	18.07.2025

Scales: NOT TO SCALE

Surveyor: surveyplus, DURKIN

Landscape 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	G. DUNSTAN	Grid	MGA/20-56
Verified	S. ASHMAN		

Project: PARRAMATTA CIVIC LINK HORWOOD PLACE WORKS

Title: LIGHTING DETAILS SHEET 4

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Project Number: 30286862

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

Issue: 03

100mm on Original

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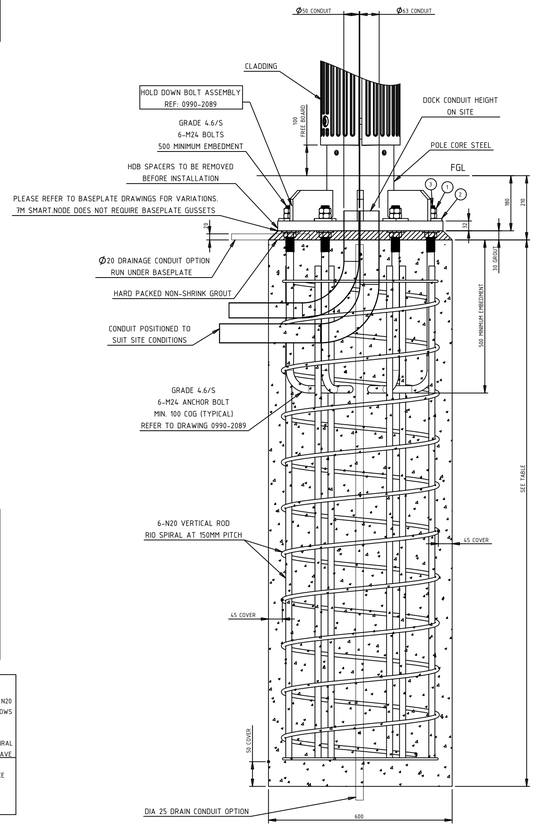
NOTES:

1. SMARTNODE FOOTING DETAILS, CONDUIT ARRANGEMENT AND HD BOLT SETUP ARE EXTRACTED FROM HUB GROUP DRAWINGS.

SMART.NODE + M.BEACON + MAX LOAD	
POLE OA HEIGHT	FOOTING DEPTH
PL-SN-260-260-07-001-A	2400d
PL-SN-260-260-09-001-A	2400d
PL-SN-260-260-11-001-A	2800d

NOTE:
HDB'S FOR PIER FOOTING, USE HDB ASSEMBLY 0990-2089. NEED TO HAVE MINIMUM 500 EMBEDMENT, AND MINIMUM 100MM COG AT ENDS



FOOTING NOTES:

1. CONCRETE COVER TO ALL REINFORCING AND EMBEDDED STEELWORK TO BE 45mm AT SIDE, 50mm BELOW AND ABOVE
2. CONCRETE GRADE N32-100-20 (32 MPa)
3. SOIL PARAMETERS:
   1. NATURAL FIRM TO STIFF CLAY, OR DENSE SAND
   2. BORED PIERS – CU = 50
   3. PAD FOOTINGS – MIN BEARING CAPACITY = 150kPa
   4. ENGINEER TO BE CONSULTED IF SITE CONDITIONS VARY
4. A GEOTECHNICALSURVEY IS REQUIRED TO DETERMINE SITE SPECIFIC CONDITIONS
5. 50 YEAR DESIGN LIFE.
6. SOIL EXPOSURE CLASSIFICATION: "NON-AGGRESSIVE" SOIL.

REBAR CONSTRUCTION NOTES:

1. MIN. REBAR FSY = 500MPa
2. THE OUTER DIAMETER OF THE R10 SPIRAL CAN BE DIAM 510. THE N20 VERTICAL RODS SIT INSIDE THE SPIRAL. OUTER SPIRAL DIAM ALLOWS 45mm COVER.
3. THE INNER DIAMETER IS 490mm. THIS WILL ALLOW THE OUTER DIAMETER OF THE ANCHOR BOLTS (484mm) TO SIT INSIDE THE SPIRAL
4. BENT ANCHOR BOLTS NEEDS EMBEDMENT OF 500mm AND MUST HAVE 100MM COG AT ENDS
5. TOP OF CAGE MUST NOT BE TACK WELDED. TIE TOP SPIRALS ONCE ANCHOR BOLTS INSTALLED FOR EASE OF INSTALLATION.
6. N20 TO BE ORIENTATED AROUND INNER PERIMETER OF SPIRAL, LOCATED NEXT TO M24 ANCHOR BOLTS

CONDUITS

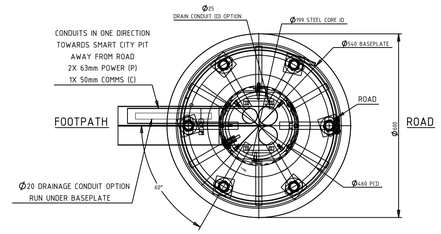
P - POWER (IN/OUT) Ø63
C - COMMS (IN/OUT) Ø50
D - DRAIN Ø25/ Ø20 OPTION

NOTE:
SITE SPECIFIC CONDUIT REQUIREMENTS TO BE CONFIRMED PRIOR TO FOOTING INSTALLATION

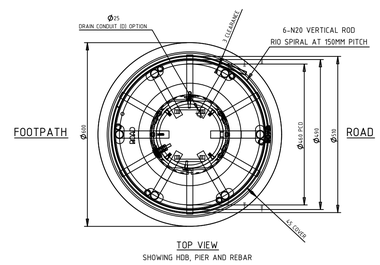
FASTENERS LIST				
NO	TITLE	MATERIAL	DRAWING	QTY
1	M24 HEX NUT	STEEL GRADE 4.6/S HDG		18
2	SQUARE WASHER – 60 X 60 X 8	STEEL GRADE 4.6/S HDG	0990-3928	6
3	M24 ANCHOR BOLT – PAD AND PIER FOOTING 7M-12M	STEEL GRADE 4.6/S HDG	0990-3920	6

FASTENERS NOTE:

1. NUTS/BOLTS TO COMPLY WITH AS 1111-2015
2. TIGHTENING NUTS/BOLTS COMPLY WITH AS 4100-1998. GRADE 4.6/S TO BE TENSIONED SO THEY ARE 'SNUG' TIGHT



TOP VIEW
SHOWING CONDUIT AND ROAD ORIENTATION



TOP VIEW
SHOWING HDB, PIER AND REBAR

TYPICAL SMARTNODE FOOTING DETAILS, CONDUIT ARRANGEMENT AND HDBOLT SETUP (HUB GROUP)

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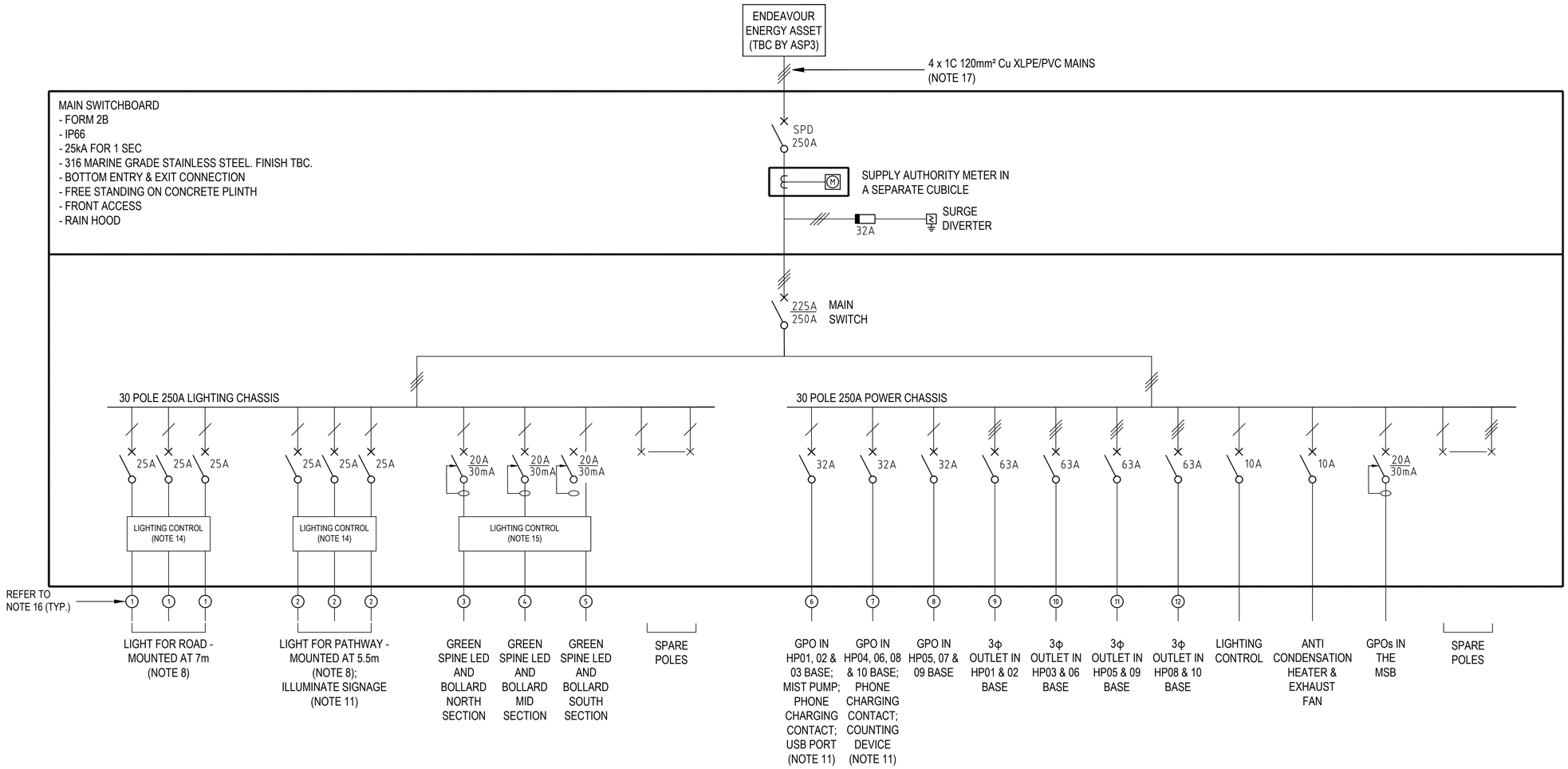
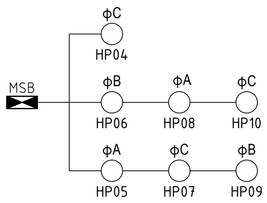


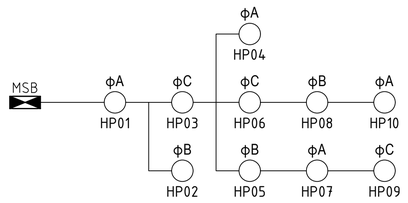
SINGLE LINE DIAGRAM

NOT TO SCALE



ROAD LIGHTING AND PHASE CONNECTION CIRCUIT DIAGRAM

NOT TO SCALE



PATHWAY LIGHTING AND PHASE CONNECTION CIRCUIT DIAGRAM

NOT TO SCALE

LEGEND

- CIRCUIT BREAKER (xA)
- CIRCUIT BREAKER RCD TYPE (20A)
- CONTACTOR
- FUSE
- EARTH
- SURGE PROTECTION DEVICE
- SUPPLY AUTHORITY METER
- PHOTO CELL (PE)
- TIME CLOCK (TC)
- MAIN SWITCHBOARD
- PHASE CONNECTION (ϕ)
- LIGHTING COLUMN

NOTES:

1. THE INFORMATION EXTRACTED FROM COUNCIL'S GUIDELINE ARE TYPICAL AND FOR GUIDANCE ONLY.
2. THE CONTRACTOR SHALL REFER TO COUNCIL'S STREET LIGHTING DESIGN GUIDE FOR THE MAIN SWITCHBOARD LOCK AND ASSET TAGGING DETAILS.
3. THE DETAILS ON SCHEMATIC ARE APPLICABLE TO THE NEW SWITCHBOARD FEEDING THE LIGHTING WORK ON HORWOOD PLACE.
4. **THIS NEW SWITCHBOARD SHOULD BE CONSTRUCTED DURING THE PHILLIP STREET PROJECT STAGING AND NO CABLING REQUIRED, AS PART OF PHILLIP STREET SCOPE OF WORK. THE PHILLIP STREET PROJECT STAGE COMMENCES PRIOR THE HORWOOD PLACE PROJECT TAKES PLACE.**
5. SPARE 1x ϕ80mm ELECTRICAL HDuPVC CONDUIT AND 1x ϕ50mm COMMUNICATION HDuPVC CONDUIT, CAPPED OFF 1m DISTANCE FROM MSB CONCRETE PLINTH SHALL BE PROVIDED.
6. SPARE 1x ϕ63mm ELECTRICAL HDuPVC CONDUIT AND 1x ϕ50mm COMMUNICATION HDuPVC CONDUIT, CAPPED OFF 1m DISTANCE FROM COLUMN OR FOOTING SHALL BE PROVIDED.
7. THE PVC/PVC CABLE SHALL BE V-90 TYPE OF INSULATION.
8. A COMMON NEUTRAL IS USED FOR THE ROAD AND PATHWAY LIGHTING.
9. A LABEL STATING **'A COMMON NEUTRAL IS USED FOR THE ROAD AND PATHWAY LIGHTING'** IS TO BE LOCATED IN A POSITION AND OF A TYPE TO BE PROMINENT TO ANY PERSON PREPARING TO WORK ON THE SWITCHBOARD.
10. THE CABLING METHOD SHALL FOLLOW CITY OF PARRAMATTA INSTALLATION GUIDELINE, WHICH IS LOOP IN LOOP OUT. THE CABLE CONNECTION BRANCHES OUT TO A MULTIPLE DIRECTION IS PERMITTED INSIDE THE PIT USING **SICAME PIRANHA** SERIES MULTI-PORT WATERPROOF CONNECTORS.
11. THE BELOW EQUIPMENT SHALL BE CONNECTED AS STATED.
    - POWER SUPPLY FOR PHONE CHARGING CONTACT AT POLE HP02, HP03 AND HP06 SHALL BE CONNECTED TO THE RESPECTIVE POLE'S GPO CIRCUIT.
    - POWER SUPPLY FOR USB PORTS AT BAR TABLE SHALL BE CONNECTED TO HP03 GPO CIRCUIT.
    - POWER SUPPLY FOR BICYCLE/SCOOTER/PEDESTRIAN COUNTING DEVICE AT HP04 SHALL BE CONNECTED TO HP04 GPO CIRCUIT.
    - POWER SUPPLY FOR MISTING PUMP SHALL BE CONNECTED TO HP02 GPO CIRCUIT WITH A DEDICATED 20A RCBO.
    - POWER SUPPLY FOR FUTURE ILLUMINATE SIGNAGE SHALL BE CONNECTED TO HP10 PATHWAY LIGHTING CIRCUIT.
12. THE POWER SUPPLY FOR USB PORTS AT BAR TABLE SHALL BE CONNECTED TO HP03 GPO CIRCUIT.
13. THE POWER SUPPLY FOR BICYCLE/SCOOTER/PEDESTRIAN COUNTING DEVICE AT HP04 SHALL BE CONNECTED TO HP04 GPO CIRCUIT.
14. THE ROAD AND PATHWAY LIGHTING ARE CONTROLLED THROUGH EXEDRA TALQ OWLET SLCs SMART LIGHTING CONTROLLER FROM SCS-SCHREDER AS PER CITY OF PARRAMATTA REQUIREMENT.
15. THE FEATURE LIGHTING ARE CONTROLLED THROUGH DALI SYSTEM AS SHOWN IN THE FEATURE LIGHTING CONTROL BLOCK DIAGRAM IN SHEET CL3-AAP-DD-HP-DRG-CI-0717, INTERFACED WITH COUNCIL'S EXEDRA NETWORK.
16. REFER TO TABLE FOR CABLE SCHEDULE.
17. CABLE SIZE MAY CHANGE SUBJECT TO WHICH ENDEAVOUR ENERGY ASSET THE MAIN SWITCHBOARD IS CONNECTED TO.

CABLE SCHEDULE

No.	DESIGNATION
1	4x 1C 16mm² XLPE/PVC Cu + 6mm² E
2	4x 1C 16mm² XLPE/PVC Cu + 6mm² E
3	1x 2C 6mm² PVC/PVC Cu + 2.5mm² E
4	1x 2C 6mm² PVC/PVC Cu + 2.5mm² E
5	1x 2C 6mm² PVC/PVC Cu + 2.5mm² E
6	1x 2C 16mm² XLPE/PVC Cu + 6mm² E
7	1x 2C 25mm² XLPE/PVC Cu + 6mm² E
8	1x 2C 25mm² XLPE/PVC Cu + 6mm² E
9	1x 4C 25mm² XLPE/PVC Cu + 6mm² E
10	1x 4C 25mm² XLPE/PVC Cu + 6mm² E
11	1x 4C 25mm² XLPE/PVC Cu + 6mm² E
12	1x 4C 25mm² XLPE/PVC Cu + 6mm² E

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Verified	S. ASHMAN		

Project: PARRAMATTA CIVIC LINK HORWOOD PLACE WORKS

Title: LIGHTING DETAILS SHEET 6

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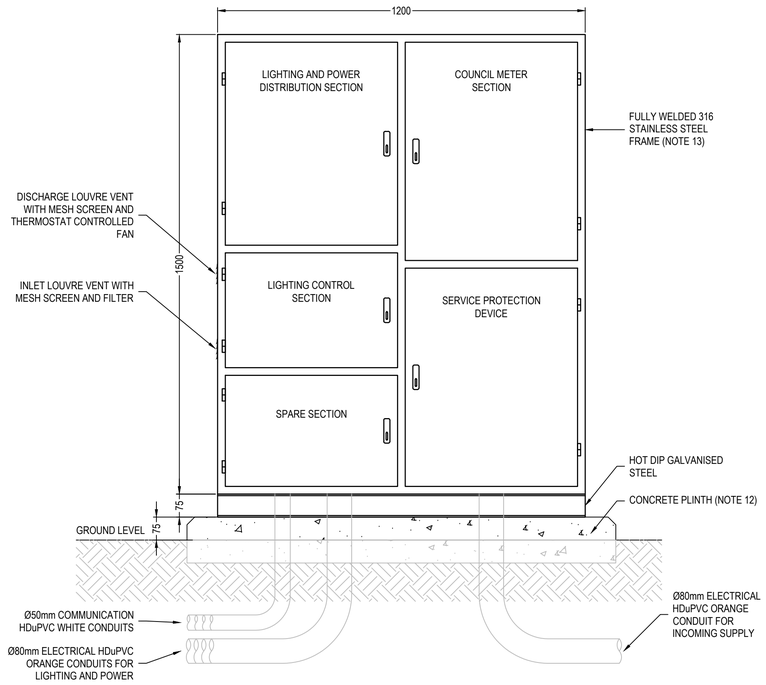
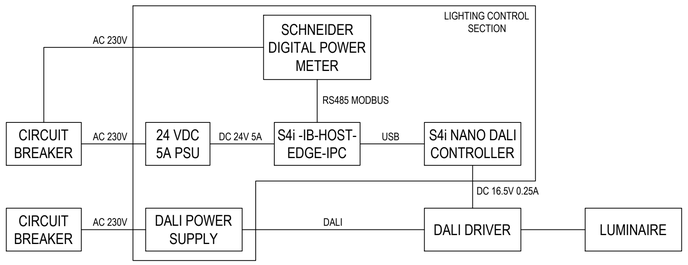


MAIN SWITCHBOARD GENERAL ARRANGEMENT

NOT TO SCALE



FEATURE LIGHTING CONTROL BLOCK DIAGRAM

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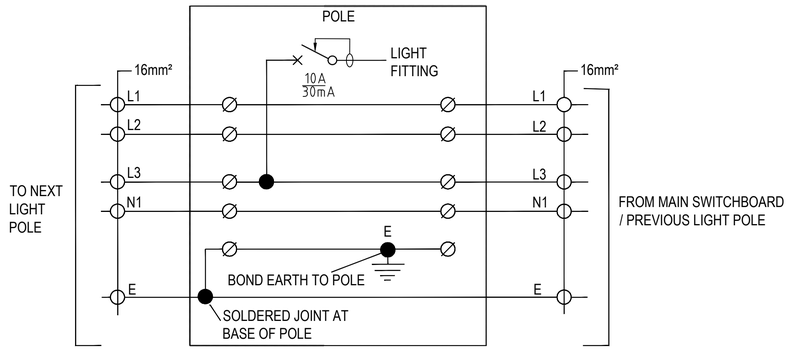
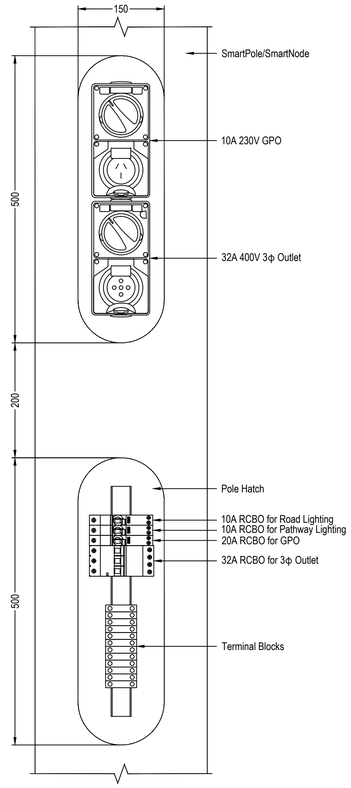


TYPICAL POLE WIRING

NOT TO SCALE



TYPICAL POLE BASE DETAILS

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3. REFER TO SHEET CL3-AAP-DD-HP-DRG-CI-0716 FOR THE MAIN SWITCHBOARD SINGLE LINE DIAGRAM.
4. THE MAIN SWITCHBOARD (MSB) SHALL BE PROVIDED WITH EARTHING SYSTEM AND BONDING OF ALL EXPOSED METAL STRUCTURE IN ACCORDANCE WITH AS3000. MAIN EARTHING CABLE SHALL RUN INSIDE A HDuPVC CONDUIT BETWEEN EARTH PIT AND THE BASE OF MSB.
5. DOUBLE GPO SHALL BE PROVIDED IN ALL SECTIONS ON THE OUTGOING SIDE.
6. THE LIGHTING CONTROL SECTION SHALL BE PROVIDED WITH A DIN RAIL TO HOUSE THE EQUIPMENT SHOWN IN THE FEATURE LIGHTING CONTROL BLOCK DIAGRAM. THE COMPARTMENT SHALL HAVE MINIMUM DEPTH OF 200mm FROM THE DIN RAIL TRACK TO THE IN SIDE OF THE COMPARTMENT DOOR.
7. ALL INCOMING AND OUTGOING CONDUITS TO BE COMPLETELY SEALED AFTER INSTALLATION.
8. THE QUANTITY OF OUTGOING CONDUITS SHOWN IS INDICATIVE. CONTRACTOR TO ALLOW SPARE CONDUIT FOR FUTURE USE AS STATED IN THE NOTES OF SHEET CL3-AAP-DD-HP-DRG-CI-0716.
9. A COMMON NEUTRAL IS USED FOR THE ROAD AND PATHWAY LIGHTING.
10. A LABEL STATING '**A COMMON NEUTRAL IS USED FOR THE ROAD AND PATHWAY LIGHTING**' IS TO BE LOCATED IN A POSITION AND OF A TYPE TO BE PROMINENT TO ANY PERSON PREPARING TO WORK ON THE SWITCHBOARD.
11. 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.
12. CONCRETE PLINTH BY BUILDER. IT SHALL BE DETERMINED AFTER THE SWITCHBOARD MANUFACTURER DEVELOPS THE SHOP DRAWING AND INDICATE THE WEIGHT.
13. MAIN SWITCHBOARD COLOUR/FINISH IS TO BE CONFIRMED BY CITY OF PARRAMATTA.

Issue	Description	DR	CH	VE	Date
03	ISSUED FOR INFORMATION - 100% DETAILED DESIGN	RD	CN	GD	12.11.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RD	CN	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RS	CR	GD	18.07.2025

100mm on Original

Scales: NOT TO SCALE

Surveyor: surveyplus, DURKIN

Landscape 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	G. DUNSTAN	Grid	MGA/20-56
Verified	S. ASHMAN		

Project: PARRAMATTA CIVIC LINK HORWOOD PLACE WORKS

Title: LIGHTING DETAILS SHEET 7

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Project Number: 30286862

Drawing No.: CL3-AAP-DD-HP-DRG-CI-0717

Issue: 03

Date Plotted: 13 Nov 2025 - 02:55pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Horwood Place\DRG\CL3-AAP-DD-HP-DRG-CI-0717-LightingDetailsSheet7.dwg

LUMINAIRE SCHEDULE

POLE NUMBER	CODE	DESCRIPTION	PRODUCT CODE AND NAME	FINISH	CONTROL GEAR	OPTICS	SUPPLIER
HP01 - HP03	L1	POLE MOUNTED SPOTLIGHT - WOODY 36W, 3000K, IP67, IK08 WITH ZHAGA SOCKET. MOUNTED AT 5.5m HIGH	EH36 MEDIUM BODY SPOTLIGHT WITH BRACKET	TO MATCH WITH POLE FINISH	INTEGRAL DRIVER	ST1	iGuzzini
HP04	FL1	POLE MOUNTED FLOODLIGHT - SASTA LED MAXIMUS 110W, 4000K, IP66, IK07 WITH 7 PIN NEMA BASE. MOUNTED AT 7.0m HIGH.	SL99Z43L110 - SLED2 110W 4K XT PES7 CO 9007	TO MATCH WITH POLE FINISH	INTEGRAL DALI-2 DRIVER	ASYMMETRIC	SYLVANIA SCHREDER
	L2	POLE MOUNTED SPOTLIGHT - WOODY 56W, 3000K, IP67, IK08 WITH ZHAGA SOCKET. MOUNTED AT 7.0m HIGH	EH40 MEDIUM BODY SPOTLIGHT WITH BRACKET	TO MATCH WITH POLE FINISH	INTEGRAL DRIVER	ST1.2	iGuzzini
HP05	L1	POLE MOUNTED SPOTLIGHT - WOODY 36W, 3000K, IP67, IK08 WITH ZHAGA SOCKET. MOUNTED AT 5.5m HIGH	EH36 MEDIUM BODY SPOTLIGHT WITH BRACKET	TO MATCH WITH POLE FINISH	INTEGRAL DRIVER	ST1	iGuzzini
	L2	POLE MOUNTED SPOTLIGHT - WOODY 56W, 3000K, IP67, IK08 WITH ZHAGA SOCKET. MOUNTED AT 7.0m HIGH	EH40 MEDIUM BODY SPOTLIGHT WITH BRACKET	TO MATCH WITH POLE FINISH	INTEGRAL DRIVER	ST1.2	iGuzzini
HP06, HP08 & HP10	L2	POLE MOUNTED SPOTLIGHT - WOODY 56W, 3000K, IP67, IK08 WITH ZHAGA SOCKET. MOUNTED AT 5.5m HIGH	EH40 MEDIUM BODY SPOTLIGHT WITH BRACKET	TO MATCH WITH POLE FINISH	INTEGRAL DRIVER	ST1.2	iGuzzini
	L2	POLE MOUNTED SPOTLIGHT - WOODY 56W, 3000K, IP67, IK08 WITH ZHAGA SOCKET. MOUNTED AT 7.0m HIGH (2x)	EH40 MEDIUM BODY SPOTLIGHT WITH BRACKET	TO MATCH WITH POLE FINISH	INTEGRAL DRIVER	ST1.2	iGuzzini
HP07 & HP09	L1	POLE MOUNTED SPOTLIGHT - WOODY 36W, 3000K, IP67, IK08 WITH ZHAGA SOCKET. MOUNTED AT 5.5m HIGH	EH36 MEDIUM BODY SPOTLIGHT WITH BRACKET	TO MATCH WITH POLE FINISH	INTEGRAL DRIVER	ST1	iGuzzini
	L2	POLE MOUNTED SPOTLIGHT - WOODY 56W, 3000K, IP67, IK08 WITH ZHAGA SOCKET. MOUNTED AT 7.0m HIGH	EH40 MEDIUM BODY SPOTLIGHT WITH BRACKET	TO MATCH WITH POLE FINISH	INTEGRAL DRIVER	ST1.2	iGuzzini
N/A	LED	LINEAR LED - UNDERSCORE INOUT 6.7W/m, 2900K, IP68, IK10. MOUNTED UNDER THE PEBBLE, SEATING AND BAR TABLE	SIDE BEND 10mm WITH BRACKET. CUSTOM LENGTH TO SUIT STREET FURNITURE	WHITE	REMOTE DALI-2 DRIVER	GENERAL	iGuzzini
N/A	BOLLARD	BOLLARD LIGHTING - iWAY ROUND 13.1W, 3000K, IP66, IK10.	EN97 BOLLARD 610mm HIGH (EN97.15+EP15.15+B513.00)	BLACK	INTEGRAL DALI-2 DRIVER	360° SYMMETRICAL	iGuzzini

NOTE:

1. CONTRACTOR SHALL SUPPLY AND INSTALL THE REQUIRED ACCESSORIES IN ORDER TO ENABLE COMPLETE INSTALLATION.
2. CONTRACTOR SHALL PROVIDE LED LINEAR DRIVER FROM FROM MEANWELL ELG-240 SERIES WITH DALI FUNCTION TO FIT IN FIBOX PC-203615 DRIVER BOX.

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 2x1.5mm2	-
DRIVER BOX	FIBOX PC-203615	IP ENCLOSURES
ELECTRICAL CONNECTOR	SICAME PIRANHA SERIES MULTIPORT WATERPROOF CONNECTOR	SICAME
USB PORT	SOLIROC USB PORT - SURFACE MOUNT. CONSIST OF: - ARTEOR USB FEMALE SOCKET - ADAPTOR WITH COVER - SURFACE MOUNTING BOX	LEGRAND

NOTE:

1. CONTRACTOR SHALL COORDINATE THE PIT LID PAVERS WITH LANDSCAPE ARCHITECTS.
2. CONTRACTOR SHALL SUPPLY AND INSTALL THE REQUIRED ACCESSORIES IN ORDER TO ENABLE COMPLETE INSTALLATION.
3. CONTRACTOR SHALL PROVIDE APPROPRIATE SEALING METHOD ON THE DRIVER BOX HOLE OPENING FOR THE CONDUIT ENTRY.
4. THE PIT LID SHALL HAVE 'CoPC ELECTRICAL' AND 'CoPC COMMUNICATION' WORDING IMPRESSED ON THE LID.

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 (°)	FUTURE FEATURE LIGHTING	SMART LIGHTING CONTROLLER	3Ø OUTLET	GPO	CCTV (PTZ)	BICYCLE/SCOOTER/ PEDESTRIAN COUNTER	Wi-Fi	BEACON 260	WAYFINDING SIGNAGE BRACKETS	PHONE CHARGING CONTACT PLATE
	EASTING	NORTHING																		
HP01 (MW01)	315409.287	6256812.135	WITH BEACON = 10.61m	N/A	SMARTNODE WITH 260 BASE, 260 UPPER FROM HUB GROUP PL-SN-260-260-09-001-A	DULUX DURATEC NATURAL - BRONZE KINETIC FLAT	STANDARD HUB	L1	5.5	- 0° FACING PED CROSSING ON PHILLIP ST - 5° FACING WEST PATHWAY	✓	✓	✓	✓	N/A	N/A	✓	✓	✓	N/A
HP02 (MW02)	315412.874	6256797.552	WITH BEACON = 10.61m	N/A	SMARTNODE WITH 260 BASE, 260 UPPER FROM HUB GROUP PL-SN-260-260-09-001-A	DULUX DURATEC NATURAL - BRONZE KINETIC FLAT	STANDARD HUB	L1	5.5	- 0° FACING GREEN SPINE BRIDGE - 5° FACING EAST PATHWAY	✓	✓	✓	✓	N/A	N/A	✓	✓	N/A	✓
HP03 (MW03)	315402.651	6256783.054	WITH BEACON = 10.61m	N/A	SMARTNODE WITH 260 BASE, 260 UPPER FROM HUB GROUP PL-SN-260-260-09-001-A	DULUX DURATEC NATURAL - BRONZE KINETIC FLAT	STANDARD HUB	L1	5.5	- 0° FACING GREEN SPINE BRIDGE - 5° FACING WEST PATHWAY	✓	✓	✓	✓	M/A	N/A	✓	✓	N/A	✓
HP04 (MW04)	315386.635	6256770.320	9.6m	4	SMARTPOLE S1B FROM HUB GROUP	TO MATCH WITH SMARTPOLE FINISH AT PHILLIP STREET	STANDARD HUB	FL1 & L2	FL1 = 7 L2 = 5.5	FL1 = 0° L2 = 10°	N/A	✓	N/A	✓	✓	✓	✓	N/A	✓	N/A
HP05 (MW05)	315405.013	6256764.281	WITH BEACON = 10.61m	N/A	SMARTNODE WITH 260 BASE, 260 UPPER FROM HUB GROUP PL-SN-260-260-09-001-A	DULUX DURATEC NATURAL - BRONZE KINETIC FLAT	STANDARD HUB	L1 & L2	L1 = 5.5 L2 = 7	0°	✓	✓	✓	✓	N/A	N/A	✓	✓	N/A	N/A
HP06 (MW06)	315393.614	6256753.501	WITH BEACON = 10.61m	N/A	SMARTNODE WITH 260 BASE, 260 UPPER FROM HUB GROUP PL-SN-260-260-09-001-A	DULUX DURATEC NATURAL - BRONZE KINETIC FLAT	STANDARD HUB	L2	5.5 & 7	- 0° FACING ROADWAY (2x) - 10° FACING WEST PATHWAY	✓	✓	✓	✓	N/A	N/A	✓	✓	N/A	✓
HP07 (MW07)	315399.514	6256736.884	WITH BEACON = 10.61m	N/A	SMARTNODE WITH 260 BASE, 260 UPPER FROM HUB GROUP PL-SN-260-260-09-001-A	DULUX DURATEC NATURAL - BRONZE KINETIC FLAT	STANDARD HUB	L1 & L2	L1 = 5.5 L2 = 7	0°	✓	✓	N/A	✓	✓	N/A	✓	✓	N/A	N/A
HP08 (MW08)	315388.319	6256725.209	WITH BEACON = 10.61m	N/A	SMARTNODE WITH 260 BASE, 260 UPPER FROM HUB GROUP PL-SN-260-260-09-001-A	DULUX DURATEC NATURAL - BRONZE KINETIC FLAT	STANDARD HUB	L2	5.5 & 7	- 0° FACING ROADWAY - 10° FACING WEST PATHWAY	✓	✓	✓	✓	N/A	N/A	✓	✓	N/A	N/A
HP09 (MW09)	315391.869	6256706.725	WITH BEACON = 10.61m	N/A	SMARTNODE WITH 260 BASE, 260 UPPER FROM HUB GROUP PL-SN-260-260-09-001-A	DULUX DURATEC NATURAL - BRONZE KINETIC FLAT	STANDARD HUB	L1 & L2	L1 = 5.5 L2 = 7	0°	✓	✓	✓	✓	N/A	N/A	✓	✓	N/A	N/A
HP10 (MW10)	315377.760	6256689.246	WITH BEACON = 10.61m	N/A	SMARTNODE WITH 260 BASE, 260 UPPER FROM HUB GROUP PL-SN-260-260-09-001-A	DULUX DURATEC NATURAL - BRONZE KINETIC FLAT	STANDARD HUB	L2	5.5 & 7	- 0° FACING ROADWAY - 10° FACING WEST PATHWAY	✓	✓	✓	✓	✓	N/A	✓	✓	N/A	N/A
(MW11)	315360.154	6256688.627	N/A	N/A	S1A FROM HUB GROUP	N/A	STANDARD HUB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	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. THE LUMINAIRE MOUNTING HEIGHT OF 5.5m IS FACING THE PATHWAY AND/OR GREEN SPINE, EXCEPT FOR HP04 WHICH IS FACING THE ROADWAY. THE MOUNTING HEIGHT OF 7m IS FACING THE ROADWAY.
3. REFER TO THE LIGHTING LAYOUT PLAN FOR THE LUMINAIRE ORIENTATION.
4. CONTRACTOR SHALL PROVIDE THE REQUIRED ACCESSORIES AND EQUIPMENT FOR EACH POLE AS SHOWN IN THE ABOVE TABLE.
5. CONTRACTOR SHALL LIAISE WITH HUB GROUP, COUNTCULTURE, CCTV AND WIFI SUPPLIER FOR THE REQUIRED OUTREACH ARM.
6. CONTRACTOR SHALL LIAISE WITH HUB GROUP FOR THE PHONE CHARGING CONTACT PLATE.
7. CONTRACTOR SHALL LIAISE WITH SCHREDER FOR THE EXEDRA TALQ OWLET SLCs SMART LIGHTING CONTROLLER.
8. THE NEW CCTV CAMERA FOR HP04 IS **HANWHA PNM-C34404RQPZ.** THE HP07 AND HP10 WILL BE EQUIPPED WITH **AXIS P3827-PVE PANORAMIC CAMERA**.
9. THE FUTURE PEDESTRIAN CROSSING LIGHT POLE (MW11) IS NOT PART OF THE HORWOOD PLACE SCOPE OF WORK, EXCEPT THE CONDUIT AND POLE FOOTING FOR FUTUREPROOF.
10. THE EXISTING COMMUNICATION CABLES HAVE TO BE RE-ROUTED THROUGH THE NEW CONDUITS AND PITS THEN RECONNECTED TO THE EXISTING EQUIPMENTS.
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.

Issue	Description	DR	CH	VE	Date
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100mm on Original

Scales

Surveyor: surveyplus, DURKIN

Landscape Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures

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

Project: PARRAMATTA CIVIC LINK HORWOOD PLACE WORKS

Title: LIGHTING SCHEDULE

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www.arcadis.com/au

Project Number: 30286862

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

Issue: 03

Date Plotted: 13 Nov 2025 - 02:55pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Horwood Place\DRG\CL3-AAP-DD-HP-DRG-CI-0721-LightingSchedule.dwg

LEGEND

- HORWOOD PLACE WORKS SITE BOUNDARY
- PHILLIP STREET WORKS SITE BOUNDARY
- CoP PROPOSED MFP WITH CIRCULAR AND RECTANGULAR FLOODLIGHT (HPXX)
- CoP PROPOSED MFP WITH CIRCULAR FLOODLIGHT (HPXX)
- ISOLUX 15 LX
- ISOLUX 7.5 LX

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.
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5. VERIFY ALL DIMENSIONS ON SITE.
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7. THE CONDUIT ROUTE IS DIAGRAMMATIC ONLY. THE ELECTRICAL CONTRACTOR SHALL FOLLOW THE MOST APPROPRIATE ROUTE TO RETICULATE THE CONDUITS AFTER COORDINATE WITH OTHER SERVICES. THE EXISTING UNDERGROUND SERVICES ARE TO BE REALIGNED BY OTHER, 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.

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Scales

0 1 2 4 6 8 10m

1 : 100

100mm on Original

Surveyor: surveyplus, DURKIN

Landscape Architect: OCULUS

Client: CITY OF PARRAMATTA

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Original Issue Signatures

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

Project: PARRAMATTA CIVIC LINK HORWOOD PLACE WORKS

Title: ISOLUX PLAN SHEET 1

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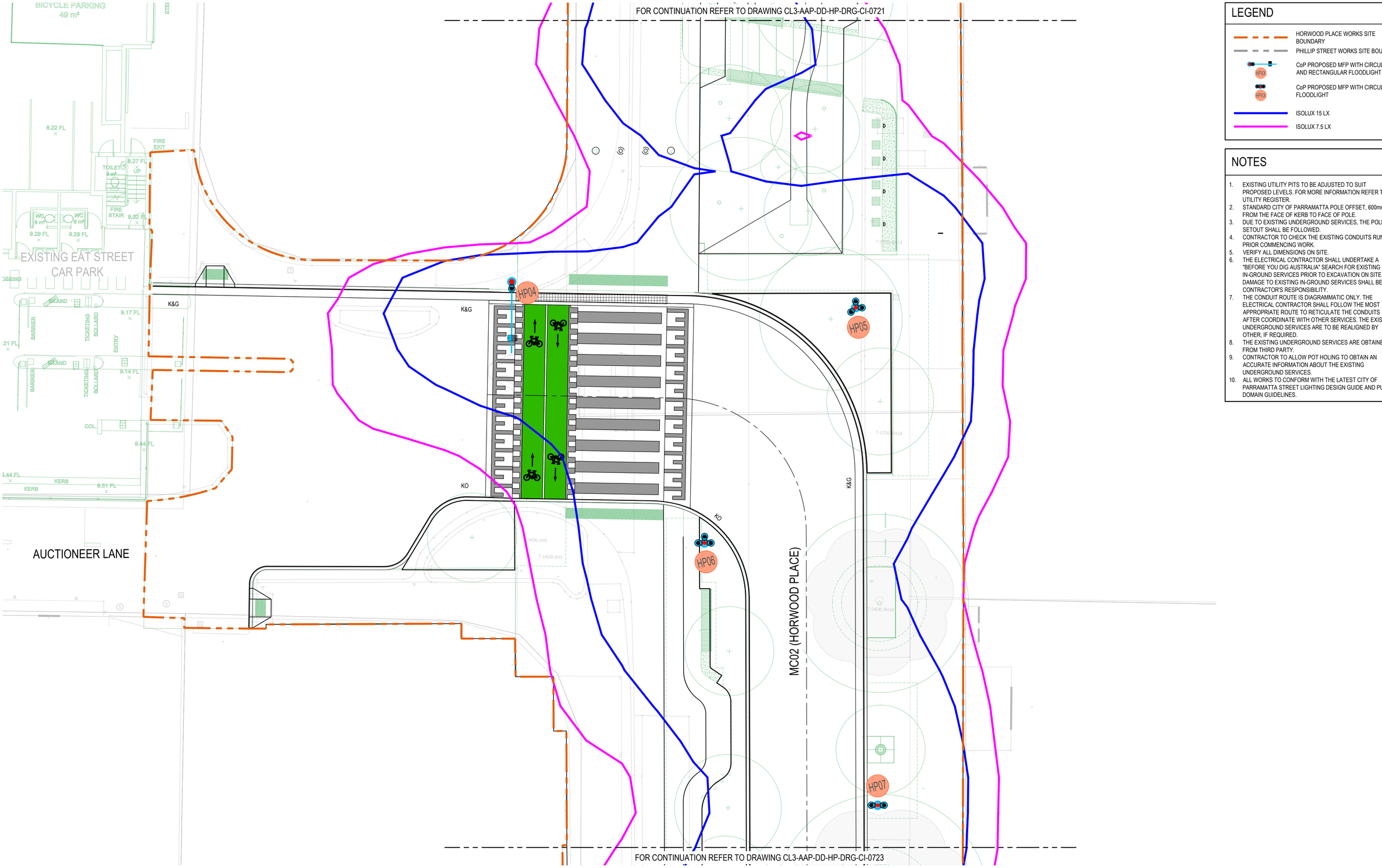
Project Number: 30286862

Drawing No.: CL3-AAP-DD-HP-DRG-CI-0731

Issue: 03

Date Plotted: 13 Nov 2025 - 02:56pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Horwood Place\DRG\CL3-AAP-DD-HP-DRG-CI-0731-IsoluxPlanSheet1.dwg



LEGEND

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100mm on Original

Scales

0 1 2 4 6 8 10m

1 : 100

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Landscape Architect: OCULUS

Client: CITY OF PARRAMATTA

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Project Manager	G. DUNSTAN	Grid	MGA/20-56
Verified	S. ASHMAN		

Project: PARRAMATTA CIVIC LINK
HORWOOD PLACE WORKS

Title: ISOLUX PLAN
SHEET 2

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Tel No: +61 2 8907 9000
www.arcadis.com/au

Project Number: 30286862

Drawing No.: CL3-AAP-DD-HP-DRG-CI-0732

Issue: 03

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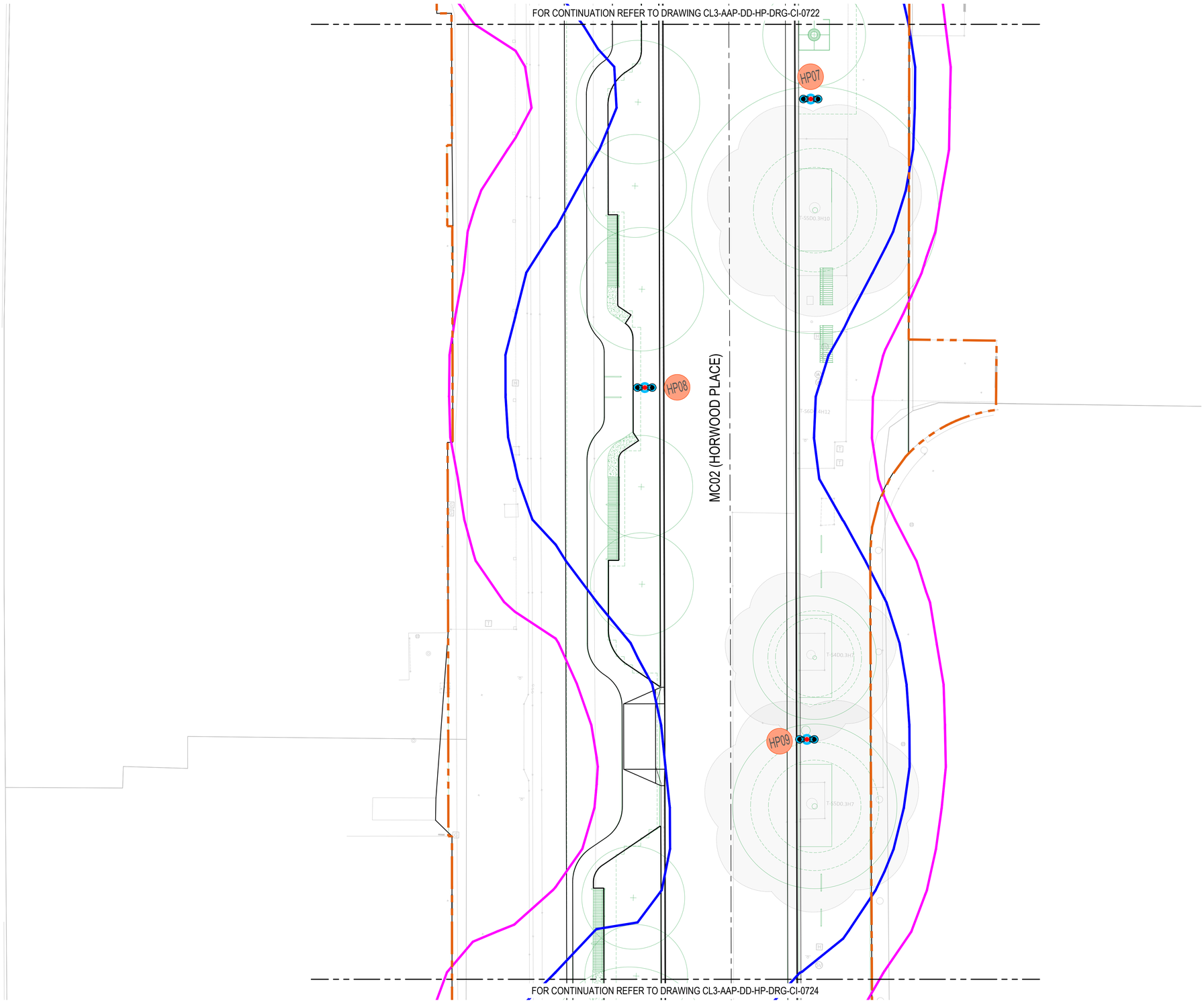

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- ISOLUX 7.5 LX

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0 1 2 4 6 8 10m

1 : 100

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Project Manager	G. DUNSTAN	Grid	MGA/20-56
Verified	S. ASHMAN		

Project: PARRAMATTA CIVIC LINK
HORWOOD PLACE WORKS

Title: ISOLUX PLAN
SHEET 3

ARCADIS
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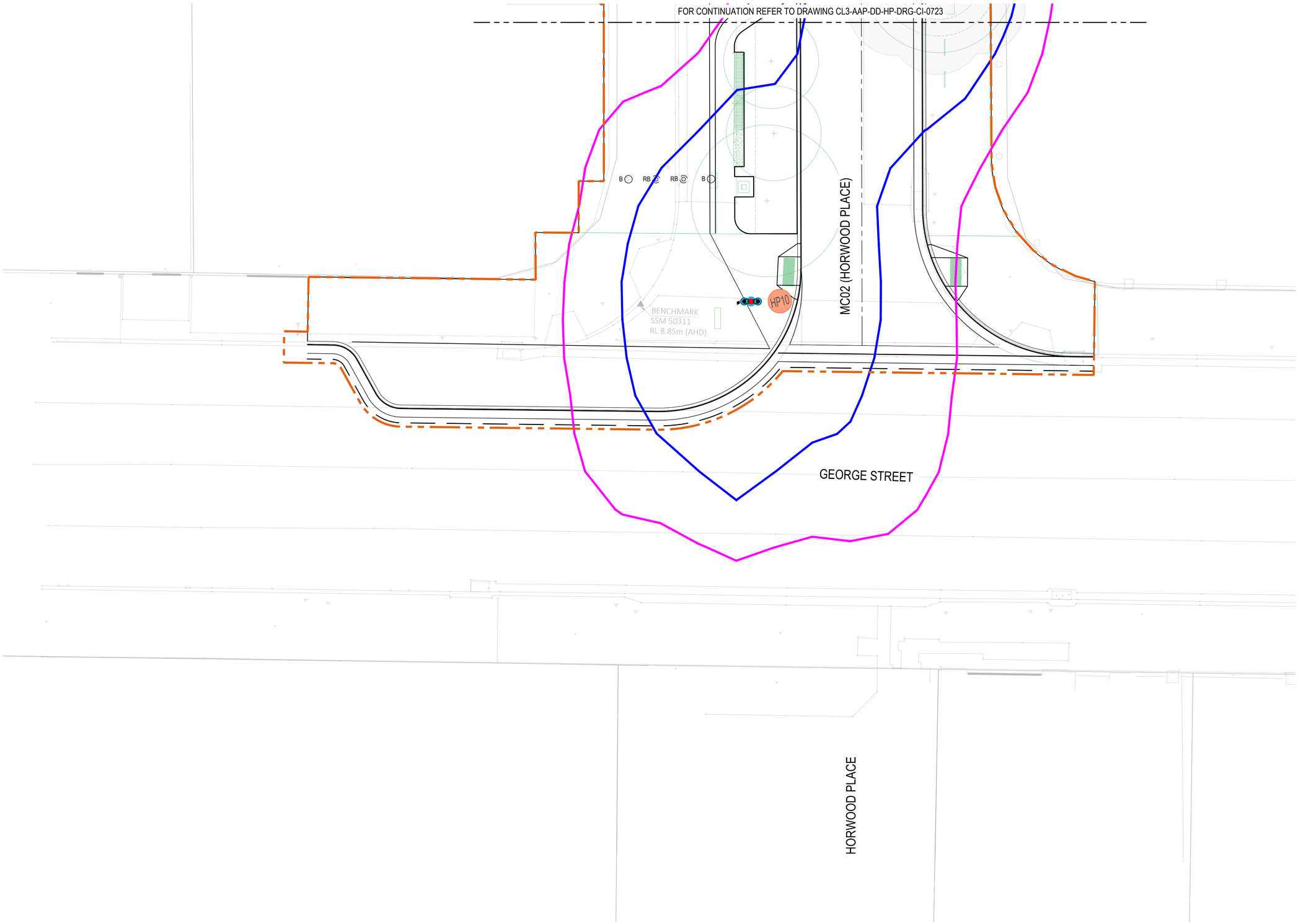
Project Number: 30286862

Drawing No.: CL3-AAP-DD-HP-DRG-CI-0733

Issue: 03

Date Plotted: 13 Nov 2025 - 02:56pm File Name: C:\Users\santosa4174\DC\ACCDocs\Arcadis ACC AU\AAU-30286862-Parramatta Civic Link Block 3\Project Files\10_WIP\10_Civil\STG_Horwood Place\DRG\CL3-AAP-DD-HP-DRG-CI-0733-IsoluxPlanSheet3.dwg



LEGEND

- HORWOOD PLACE WORKS SITE BOUNDARY
- PHILLIP STREET WORKS SITE BOUNDARY
- CoP PROPOSED MFP WITH CIRCULAR AND RECTANGULAR FLOODLIGHT (HPXX)
- CoP PROPOSED MFP WITH CIRCULAR FLOODLIGHT (HPXX)
- ISOLUX 15 LX
- ISOLUX 7.5 LX

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 COORDINATE WITH OTHER SERVICES. THE EXISTING UNDERGROUND SERVICES ARE TO BE REALIGNED BY OTHER, 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	RD	CN	GD	12.11.2025
02	ISSUED FOR INFORMATION - 95% DETAILED DESIGN	RD	CN	GD	10.09.2025
01	ISSUED FOR INFORMATION - 80% DETAILED DESIGN	RD	CR	GD	18.07.2025

100mm on Original

Scales

0 1 2 4 6 8 10m

1 : 100

Surveyor: surveyplus, DURKIN

Landscape Architect: OCULUS

Client: CITY OF PARRAMATTA

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Original Issue Signatures

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

Project: PARRAMATTA CIVIC LINK
HORWOOD PLACE WORKS

Title: ISOLUX PLAN
SHEET 4

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Project Number: 30286862

Drawing No.: CL3-AAP-DD-HP-DRG-CI-0734

Issue: 03

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