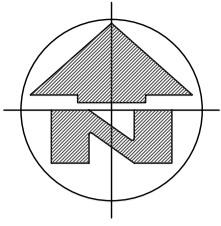


LEGEND

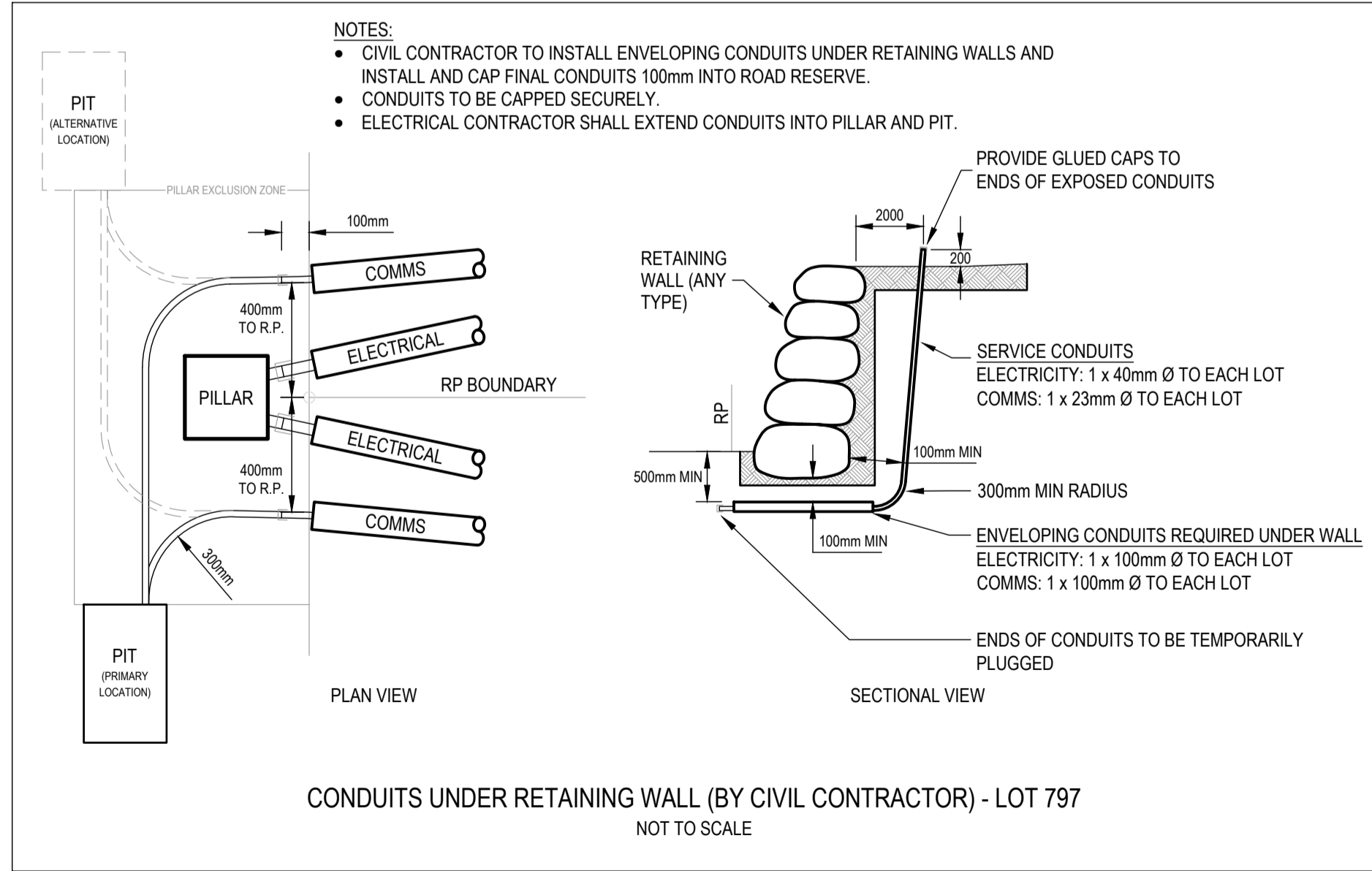
- EXISTING OVERHEAD CABLE
- PROPOSED OVERHEAD CABLE
- EXISTING UNDERGROUND CABLE
- PROPOSED UNDERGROUND CABLE
- E
- PROPOSED ELECTRICAL SERVICE CONDUIT
- ET
- PROPOSED ELECTRICAL & COMMUNICATION SERVICE CONDUITS
- POLE TRANSFORMER
- PADMOUNT TRANSFORMER
- HV POLE
- HV / LV POLE
- LV POLE
- HV UNDERGROUND POLE TERMINATION
- LV UNDERGROUND POLE TERMINATION
- AERIAL STAY
- GROUND STAY
- EARTH
- EXISTING PILLAR
- PROPOSED PILLAR
- LINK PILLAR
- 240LV
- CONDUIT / CABLE CROSS-SECTION
- WATER METER
- PROPOSED DRIVEWAY ENTRY
- PROPOSED ZERO LOT IDENTIFIER

LIGHTING LEGEND

- NOTE: NOT ALL SYMBOLS MAY BE USED
- LED STREET LIGHT
- S100 HPS STREET LIGHT
- S150 HPS STREET LIGHT
- S250 HPS STREET LIGHT
- EXISTING UNKNOWN STREET LIGHT

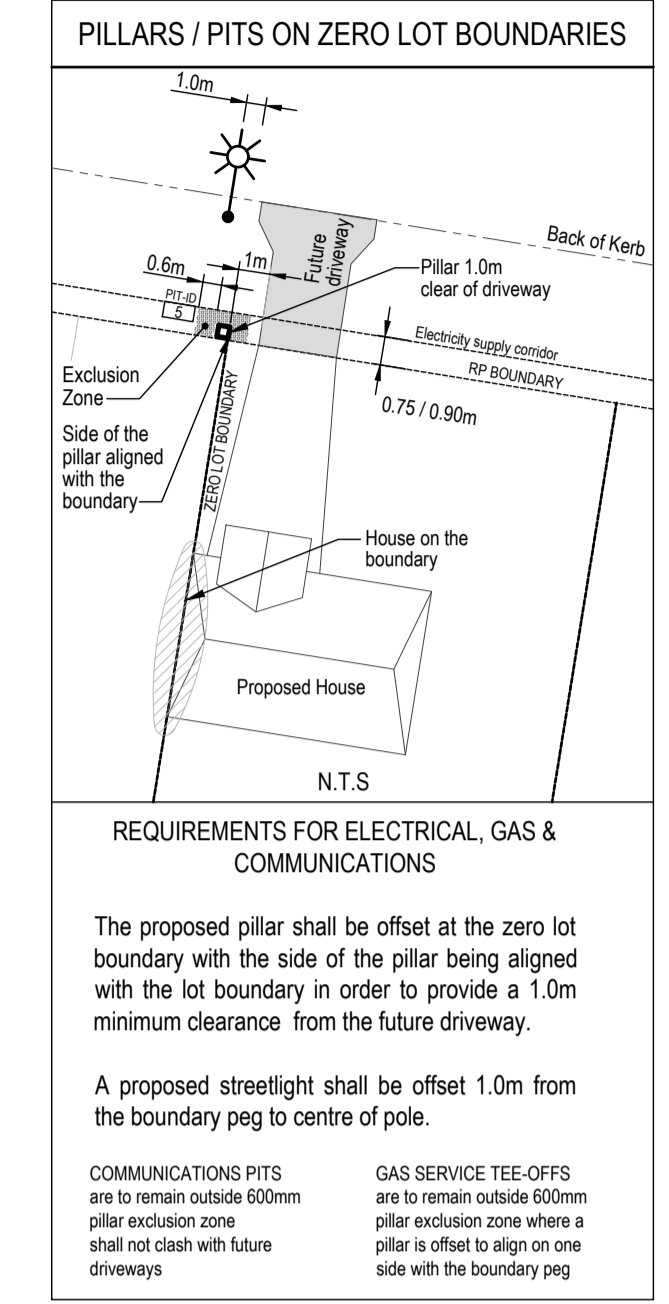


OVERALL WOODLINKS STAGING PLAN
SCALE N.T.S



CONDUITS UNDER RETAINING WALL (BY CIVIL CONTRACTOR) - LOT 797
NOT TO SCALE

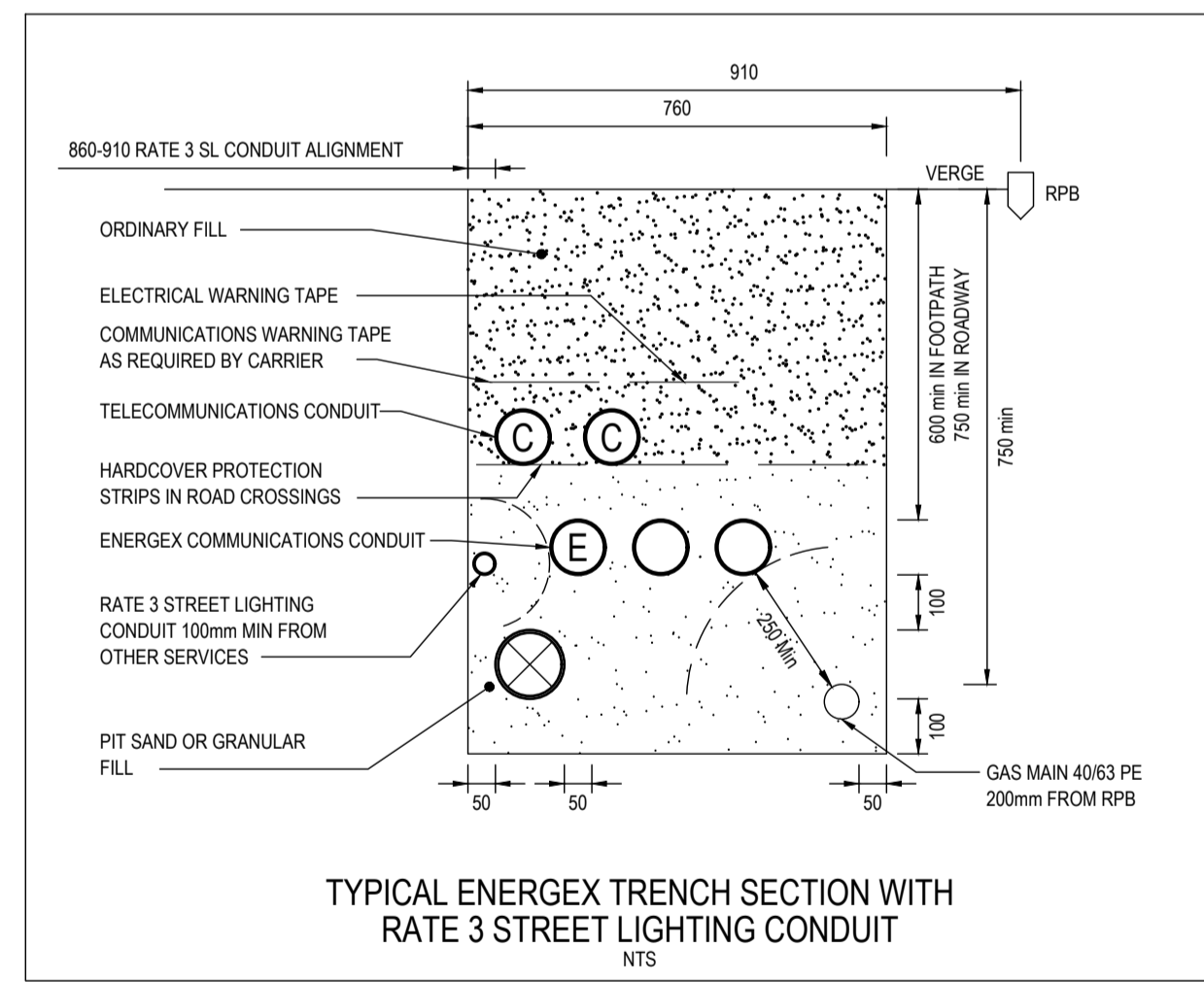
AS CONSTRUCTED
Garry Edwards Date: 18/05/25
INZ ELECTRICAL SERVICES PTY LTD
97 ZILLMERE ROAD
BOONDALL 4034 QLD
PH 3865 2122 FAX 3865 4475



MATERIALS SUMMARY - S2602842

UNDERGROUND			
MODEL No.	QTY	MODEL No.	QTY
LVSP4-6	3	LVSP4-6SL	2
LV4CMEN	4	LVSP12-6	4
LVSP1240	1	LVSP9-6SL	2
		LVSP2-6	3
TOTAL		SCS820364	271
TRENCH LENGTH		SCS820365	111

URD CONTRACTOR SHALL NOTE THAT THIS SUMMARY SHEET MUST NOT BE USED FOR TENDER PURPOSES. THE CONTRACTOR SHALL CHECK QUANTITIES AGAINST ACTUAL SCHEDULES ON THESE DRAWINGS.



TYPICAL ENERGETX TRENCH SECTION WITH RATE 3 STREET LIGHTING CONDUIT
N.T.S

QUU REQUIRE 1.1m CLEARANCE BETWEEN ELECTRICAL PILLARS AND WATER METERS. INSTALL WATER METERS MINIMUM 1.5m FROM BOUNDARY PEG WHERE WATER METERS SHARE A COMMON BOUNDARY WITH ELECTRICAL PILLARS.

GENERAL NOTES

1. NO OTHER SERVICES TO ENCRACH INTO THE STANDARD UNDERGROUND ELECTRICITY CORRIDOR.
2. ALL CABLES TO BE INSTALLED IN CONDUIT WITHIN THE STANDARD ELECTRICITY ALIGNMENT ALLOCATED BY THE LOCAL COUNCIL. WHERE CONDUITS VARY FROM THIS AND AT FOOTPATH CROSSING PROTECTIVE STRIP IS TO BE INSTALLED. WHERE PRACTICAL ELECTRICITY CABLES SHALL NOT BE CLOSER THAN 250mm TO THE REAL PROPERTY BOUNDARY.
3. A, B OR C WHEN SHOWN BESIDE LV PILLARS DENOTES SERVICE PHASING.
4. THE CONTRACTOR SHALL MEASURE ACTUAL CABLE LENGTHS REQUIRED ON SITE AFTER INSTALLATION OF CONDUITS THEN NOTIFY ENERGETX/SUPPLIER WHEN CONFIRMING CABLE ORDER.
5. ALL BENDS INSTALLED ON 80mm, 100mm AND 125mm RETICULATION CONDUITS MUST BE 1830mm RADIUS UNLESS OTHERWISE SPECIFIED.
6. CONTRACTOR TO SUPPLY ALL LABELS AND SITE ID NUMBERS TO ENERGETX SPECIFICATION.
7. WHEN CROSS ROAD CONDUIT FINISHES OPPOSITE A TRUNCATION PEG, PROPERTY SIDE OF TRENCH TO BE 300mm ALIGNMENT FROM PEG.
8. WHERE CROSS-ROAD ELECTRICITY CONDUITS RUN PARALLEL TO OTHER SERVICES OR CONDUITS, A MINIMUM SEPARATION OF 1.0m MUST BE MAINTAINED.
9. CIVIL CONTRACTOR TO INSTALL ALL CROSS ROAD CONDUITS.
10. CO-ORDINATE CONDUIT INSTALLATION WITH COMMUNICATIONS CARRIER CONTRACTORS.
11. ELECTRICITY PILLARS TO HAVE 600mm EXCLUSION ZONE. NO NON-ENERGETX ASSETS TO BE INSTALLED WITHIN THIS EXCLUSION ZONE.
12. ENERGETX REQUIRE 1.0m CLEARANCE BETWEEN SERVICE PILLARS AND DRIVEWAYS. IF LESS THAN 1.0m SEPARATION THEN PROTECTIVE BOLLARDS MUST BE INSTALLED.
13. DEVELOPMENTS WITH ONE OR MORE SEPARATE BUILDINGS SHARING A COMMON SLAB OR STRUCTURE & CONSTRUCTED ACROSS MULTIPLE FREEHOLD LOTS (E.G. UNITS, TOWNHOUSES) WILL NOT BE PROVIDED WITH MORE THAN ONE CONNECTION POINT. PER CLAUSE 5.3 (II) OF THE QUEENSLAND ELECTRICITY CONNECTION MANUAL (QECM), THE ELECTRICAL CONTRACTOR SHALL ENSURE THAT ONLY ONE SERVICE LINE AND ONE METERING POINT IS INSTALLED, AND THE SERVICE LINE MUST BE LOCATED WITHIN A SERVICES EASEMENT IN FAVOUR OF THE LOTS BEING SERVICED.
14. AS/NZS3000 CONSUMERS CONDUIT LOCATED WITHIN THE PUBLIC FOOTPATH MUST BE INSTALLED BY AN ELECTRICAL CONTRACTOR. THE CONSUMERS CONDUIT MUST BE 50mm DIA OR LARGER, HEAVY DUTY, HAVE A MINIMUM OF 600mm OF COVER, AND MUST BE PROTECTED BY PVC COVER STRIP.

CONSTRUCTION CONTRACTOR

- THE CONTRACTOR SHALL BE RATED BY ENERGETX FOR THE FOLLOWING PROCESS
- WCS 2 - UNDERGROUND CONSTRUCTION
 - WCS 31 - COMMISSIONING AND OPERATION OF THE NETWORK
 - WCS 34 - EARTHING SYSTEMS
 - WCS 61 - UNDERGROUND CIVIL CONSTRUCTION

STANDARDS AND SPECIFICATIONS

THIS WORKS PLAN IS TO BE READ IN CONJUNCTION AND COMPLY WITH THE FOLLOWING ENERGETX MANUALS AND SPECIFICATIONS

- UNDERGROUND DISTRIBUTION CONSTRUCTION MANUAL
- WCS 61.1 - UNDERGROUND TRENCHLESS TECHNOLOGY
- NETWORK LABELLING AND SIGNAGE MANUAL

CONSUMER'S INSTALLATION SHALL COMPLY WITH AS/NZS 3000:2018 - SAA WIRING RULES.

FOR DETAILS OF TRENCH CROSS-SECTIONS, REFER TO ENERGETX UNDERGROUND DISTRIBUTION CONSTRUCTION MANUAL.

ON SITE SERVICES CHECKS

UNDERGROUND SERVICES SHOWN ON THIS WORKS PLAN IN THE VICINITY OF PROPOSED EXCAVATION WORKS HAVE BEEN TAKEN FROM ASSET OWNER'S PAPER RECORDS AND ARE INDICATIVE ONLY.

THE CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OF DAMAGE TO ANY EXISTING UNDERGROUND ASSETS CAUSED BY HIS WORKS AND THE RE-ESTABLISHMENT OF ANY SURVEY MARKS DISLODGED.

THE CONTRACTOR SHALL REQUEST ON-SITE IDENTIFICATION AND LOCATION OF EXISTING BURIED SERVICES FROM THE BEFORE YOU DIG AUSTRALIA SERVICE - WEB: www.byda.com.au (A MINIMUM OF TWO DAYS NOTICE IS REQUIRED)

SEWERAGE, STORMWATER, GAS AND WATER PLANS FOR THE SITE MAY BE OBTAINED ON REQUEST FROM THE PROJECT SERVICE SUPERVISOR.

REINSTATEMENT NOTES

BACKFILL & REINSTATEMENT OF FOOTPATH AND ROADWAY TO COUNCIL REQUIREMENTS. REFER STANDARD DRAWINGS:

- SR.43 - TRENCH RESTORATION - VERGES AND PATHS
- SR.44 - TRENCH RESTORATION - CARRIAGEWAYS

FOR CONSTRUCTION
12/11/2024 3:42 PM

PLOT: 27/11/2024 14:21:13 PM FILE: P:\216662 - 7001 COLLINGWOOD DR COLLINGWOOD PARK - WOODLINKS - STAGE 13 (E) WORKING\216662

REV	DATE	DETAILS	DRAWN	CHECKED	APPRVD
D	12.11.24	RE-ISSUED FOR CONSTRUCTION	AB	BK	BK
C	03.09.24	AMENDED ROAD CROSSING AT STN 4 AND MOVED STN 11L	AB	BK	BK
B	28.08.24	ISSUED FOR CONSTRUCTION	AB	BK	BK
A	28.08.24	ISSUED FOR APPROVAL	AB	BK	BK
i	28.08.24	PRELIMINARY ISSUE	AB	BK	BK

CLIENT

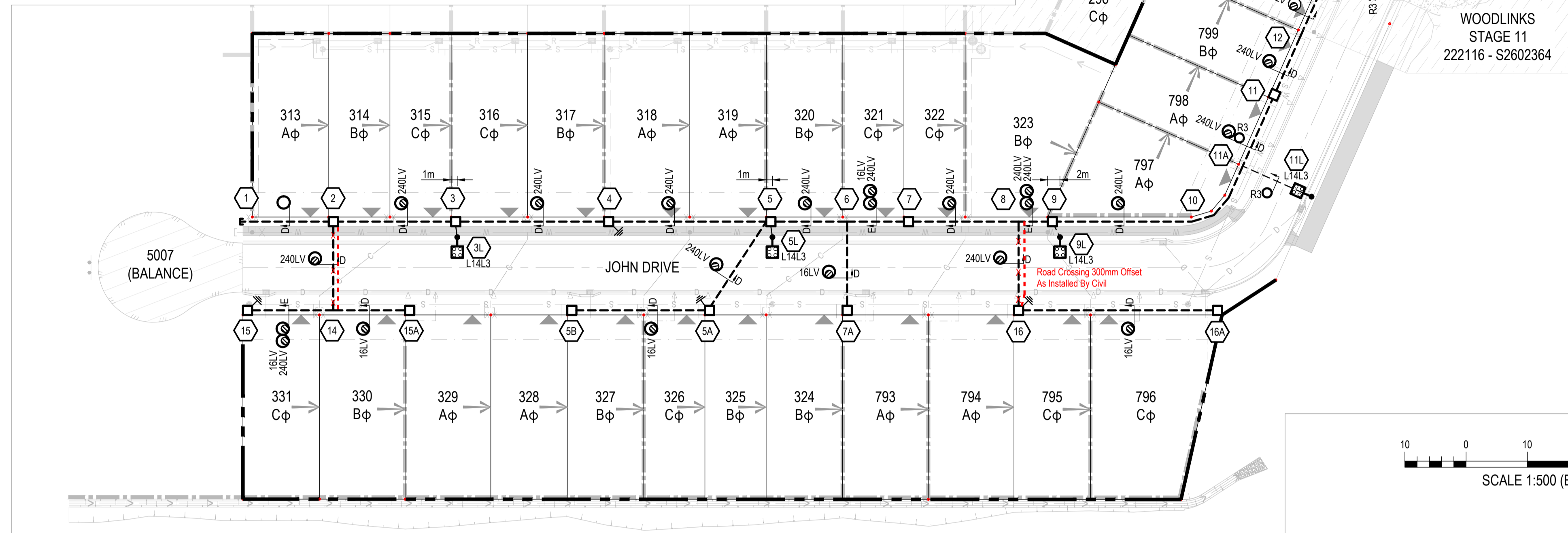
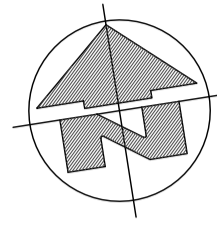
SITE CONTACT DETAILS		ALIGNMENTS		PROJECT / SUB PROJECT NO.	
NAME	BEC ASHBY	ENERGEX OH	0.7 FR KI	S2602842	
COMPANY	TELSTRA	ENERGEX UG	0-0.91	PARENT PROJECT NO. -	
VILLAGE BUILDING CO	GAS	TELSTRA	0.91-1.3	WORK REQUEST NO. -	
PHONE	-	GAS	3.41-3.81	PLANNER & PHONE -	
MOBILE	0421 078 630	HP GAS	3.41-3.81	LOTS	313 - 331, 793 - 799 & 806 & 5007 (BALANCE)
EMAIL	-	WATER	2.21-2.81	CANCELLING LOTS	5007 ON SP344888
		STORMWATER	IN ROAD	LOCAL AUTHORITY	IPSWICH CITY COUNCIL
		SEWERAGE	1.3-2.21	PEGGED?	ON REQUEST

ISO 9001 CERTIFIED QUALITY MANAGEMENT

Electrical and Telecommunications Consultants
ABN 28 111 423 842
Phone : (07) 3372 9280
Email : projects@ampflo.com.au
Website : ampflo.com.au

CERTIFICATION:	
APPROVED:	Brad Kunde
RPEQ No:	16286
DATE:	12/11/2024
CHECKED:	B. KUNDE
DESIGNER:	A. BUI
ISSUE DATE:	12.11.24

PROJECT		
27 LOT RESIDENTIAL SUBDIVISION WOODLINKS STAGE 13 OVERALL STAGING PLAN LEGEND, NOTES, MATERIALS SUMMARY & ZERO LOT, RETAINING WALL & RATE 3 DETAILS		
DRAWING:	A241660	D
PROJECT:	241660	
SHEET:	1 OF 3	



AS CONSTRUCTED
 Garry Edwards Date: 18/05/25
 INZ ELECTRICAL SERVICES PTY LTD
 97 ZILLMERE ROAD
 BOONDALL 4034 QLD
 PH 3865 2122 FAX 3865 4475

COMBINED RATE 3 & URD CONDUIT SCHEDULE - FOOTPATHS - BY ELECTRICAL CONTRACTOR

LOCATION	STATIONS FROM - TO	CONDUIT LENGTH (m)						X-SECTION (m)					REMARKS				
		RATE 3		50mm HD	No.	100mm LD	No.	125mm LD	No.	EQL 100mm COMMS MD	PVC CABLE PROTECTION (m)	EXCAV /TAPE		TRENCH DETAIL	DRAW WIRE	KERB MARKERS	
		50mm HD	No.														
JOHN DRIVE	1	2				15	1					15	D	17		CAP CONDUIT END	
	2	3				19	1					19	D	21			
	3	4				24	1					24	D	26			
	3	3L	3	1													REFER R241660 - S2602852 WORKS PLAN
	4	5				25	1					25	D	27			
	5	5L	3	1													REFER R241660 - S2602852 WORKS PLAN
	5A	5B				21	1					21	D	23			
	5	6				12	1					12	D	14			
	6	7				10	2					10	E	24			
	7	8				17	1					17	D	19			
	8	9				5	2					5	E	14			
	9	9L	3	1													REFER R241660 - S2602852 WORKS PLAN
	10	11				25	1					25	D	27			
	11	12				10	1					10	D	12			JOIN TO EXISTING AT STN 12
	11	11A	12	1													REFER R241660 - S2602852 WORKS PLAN
	12	13															EXISTING CONDUIT
15A	14				12	1					12	D	14				
14	15				13	2					13	E	30				
16	16A				31	1					31	D	33				
TOTAL											267m			239m		301m	

EQUIPMENT SCHEDULE

LOCATION	STN No.	SITE I.D.	EX	REC	IN	SIZE AND DESCRIPTION	COMP ID	CU CODE	QTY	REMARKS
JOHN DRIVE	2	U12719943			*	2 WAY PILLAR	PI1	LVSP4-6	1	2x240LV
	3	U12719944			*	2 WAY PILLAR + SL	PI1	LVSP4-6SL	1	2x240LV, 1x4SL
	4	U12719945			*	2 WAY PILLAR	PI1	LVSP4-6	1	2x240LV
					*	PILLAR MEN EARTHING		LV4CMEN	1	
	5	U12719946			*	3 WAY PILLAR + SL	PI1	LVSP9-6SL	1	3x240LV, 1x4SL
	5A	U12719947			*	1 WAY PILLAR	PI1	LVSP2-6	1	1x240LV, 1x16LV
					*	PILLAR MEN EARTHING		LV4CMEN	1	
	5B	U12719948			*	CROSS-ROAD PILLAR	PI1	LVSP12-6	1	1x16LV
	7	U12719949			*	2 WAY PILLAR	PI1	LVSP4-6	1	2x240LV, 1x16LV
	7A	U12719950			*	CROSS-ROAD PILLAR	PI1	LVSP12-6	1	1x16LV
	9	U12719951			*	3 WAY PILLAR + SL	PI1	LVSP9-6SL	1	3x240LV, 1x4SL
	11	U12719952			*	2 WAY PILLAR + SL	PI1	LVSP4-6SL	1	2x240LV, 1x4SL
	13	U12535060		*	*	1 WAY PILLAR + SL PILLAR MEN EARTHING 240mm² 4 CORE CABLE LV LUG SET	PI1	LVSP4-6SL LVSP240	1	CONVERT TO 2 WAY
	15	U12719953			*	1 WAY PILLAR PILLAR MEN EARTHING	PI1	LVSP2-6 LV4CMEN	1	1x240LV, 1x16LV
	15A	U12719954			*	CROSS-ROAD PILLAR	PI1	LVSP12-6	1	1x16LV
	16	U12719955			*	1 WAY PILLAR PILLAR MEN EARTHING	PI1	LVSP2-6 LV4CMEN	1	1x240LV, 1x16LV
16A	U12719956			*	CROSS-ROAD PILLAR	PI1	LVSP12-6	1	1x16LV	

COMBINED RATE 3 & URD CONDUIT SCHEDULE - FOOTPATHS - BY CIVIL CONTRACTOR

LOCATION	STATIONS FROM - TO	CONDUIT LENGTH (m)						X-SECTION (m)					REMARKS			
		RATE 3		50mm HD	No.	100mm LD	No.	125mm LD	No.	EQL 100mm COMMS MD	PVC CABLE PROTECTION (m)	EXCAV /TAPE		TRENCH DETAIL	DRAW WIRE	KERB MARKERS
		50mm HD	No.													
JOHN DRIVE	9	10				22	1					22	D	24		RETAINING WALL
TOTAL						22m						22m		24m		

COMBINED RATE 3 & URD CONDUIT SCHEDULE - ROADWAYS - BY CIVIL CONTRACTOR

LOCATION	STATIONS FROM - TO	CONDUIT LENGTH (m)						X-SECTION (m)					REMARKS				
		RATE 3		50mm HD	No.	100mm LD	No.	125mm LD	No.	EQL 100mm COMMS MD	PVC CABLE PROTECTION (m)	EXCAV /TAPE		TRENCH DETAIL	DRAW WIRE	KERB MARKERS	
		50mm HD	No.														
JOHN DRIVE	2	14				14	1					14	D	16	2		
	5	5A				17	1					17	D	19	2		
	6	7A				14	1					14	D	16	2		
	8	16				14	1					14	D	16	2		
	11A	11L	12	1													REFER R241660 - S2602852 WORKS PLAN
TOTAL						59m						59m		59m		67m	8

UNDERGROUND CABLE SCHEDULE

LOCATION	STATIONS FROM - TO	VOLTS	EX	REC	IN	CABLE SIZE/TYPE	CU CODE	CABLE LENGTH (m)	REMARKS	
								NEW REC		
JOHN DRIVE	2	3	LV		*	240mm² Al 4C XLPE/PVC	SCS820364	21		
	2	15	LV		*	240mm² Al 4C XLPE/PVC	SCS820364	31		
	3	4	LV		*	240mm² Al 4C XLPE/PVC	SCS820364	26		
	4	5	LV		*	240mm² Al 4C XLPE/PVC	SCS820364	27		
	5	5A	LV		*	240mm² Al 4C XLPE/PVC	SCS820364	21		
	5A	5B	LV		*	16mm² Cu 4C XLPE/PVC	SCS820365	23		
	5	7	LV		*	240mm² Al 4C XLPE/PVC	SCS820364	24		
	7	7A	LV		*	16mm² Cu 4C XLPE/PVC	SCS820365	28		
	7	9	LV		*	240mm² Al 4C XLPE/PVC	SCS820364	24		
	9	11	LV		*	240mm² Al 4C XLPE/PVC	SCS820364	49		
	9	16	LV		*	240mm² Al 4C XLPE/PVC	SCS820364	23		
	11	13	LV		*	240mm² Al 4C XLPE/PVC	SCS820364	25		
	15	15A	LV		*	16mm² Cu 4C XLPE/PVC	SCS820365	27		
	16	16A	LV		*	16mm² Cu 4C XLPE/PVC	SCS820365	33		
	TOTALS						240mm² Al 4C XLPE/PVC	SCS820364	271	
							16mm² Cu 4C XLPE/PVC	SCS820365	111	

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REV	DATE	DETAILS	DRAWN CHECKED APPRVD
D	12.11.24	RE-ISSUED FOR CONSTRUCTION	AB BK BK
C	03.09.24	AMENDED ROAD CROSSING AT STN 4 AND MOVED STN 11L	AB BK BK
B	28.08.24	ISSUED FOR CONSTRUCTION	AB BK BK
A	28.08.24	ISSUED FOR APPROVAL	AB BK BK
i	28.08.24	PRELIMINARY ISSUE	AB BK BK

CLIENT

Woodlinks Village

SITE CONTACT DETAILS	
NAME	BEC ASHBY
COMPANY	VILLAGE BUILDING CO
PHONE	0421 078 630
MOBILE	0421 078 630
EMAIL	
ALIGNMENTS	
ENERGEX OH	0.7 FR KI
ENERGEX UG	0-0.91
TELSTRA	0.91-1.3
GAS	3.41-3.81
HP GAS	3.41-3.81
WATER	2.21-2.81
STORMWATER	IN ROAD
SEWERAGE	1.3-2.21
PROJECT / SUB PROJECT NO.	
S2602842	
PROJECT NO.	313 - 331, 793 - 799 & 806 & 5007 (BALANCE)
PARENT PROJECT NO.	-
WORK REQUEST NO.	-
PLANNER & PHONE	-
LOCAL AUTHORITY	IPSWICH CITY COUNCIL
ON REQUEST	-

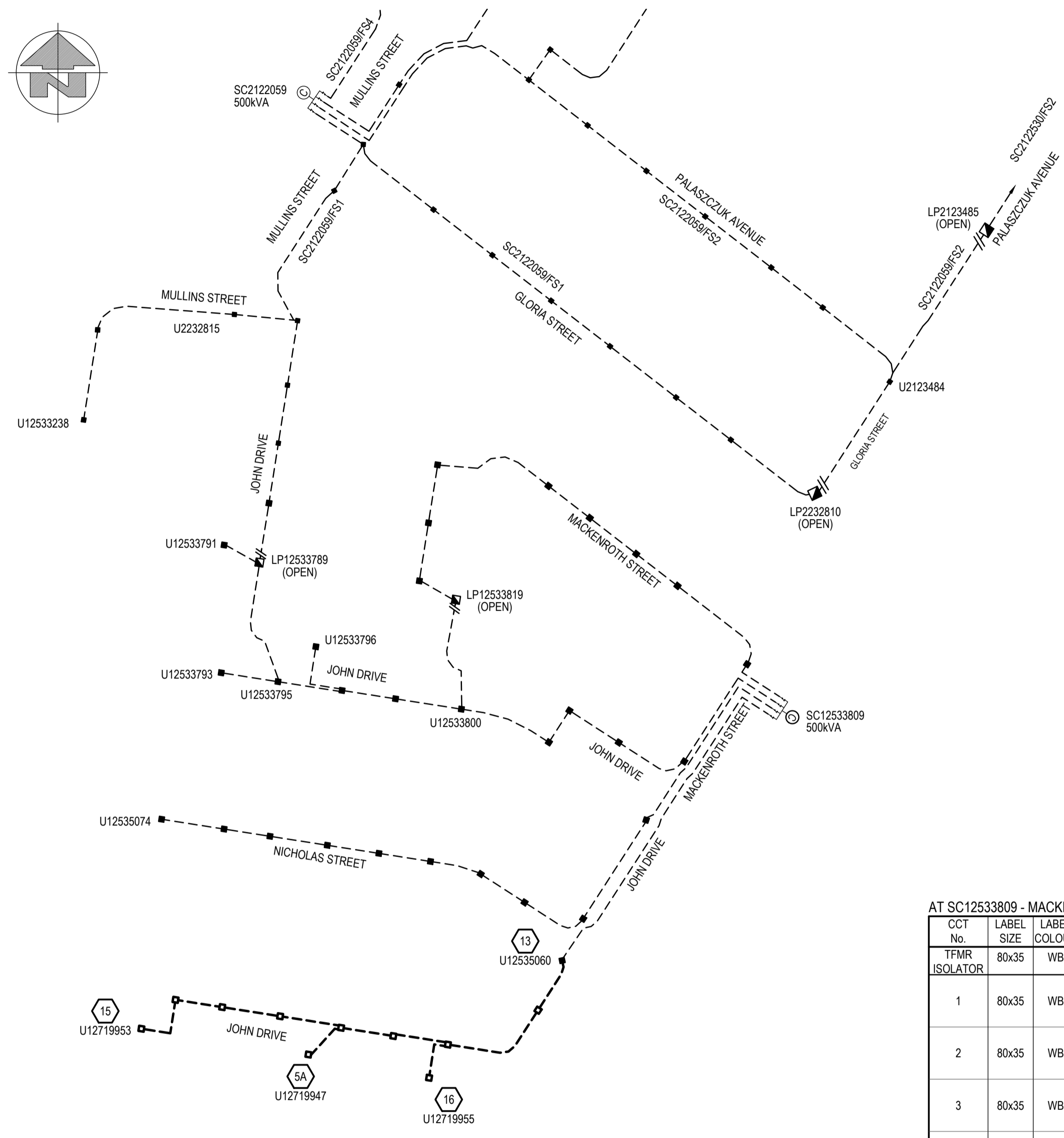
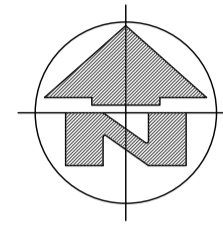
Electrical and Telecommunications Consultants

ABN 28 111 423 842

Phone: (07) 3372 9280
 Email: projects@ampflo.com.au
 Website: ampflo.com.au

CERTIFICATION APPROVED: Brad Kunde	PROJECT
RPEP No: 16286	27 LOT RESIDENTIAL SUBDIVISION
DATE: 12/11/2024	WOODLINKS STAGE 13
	ELECTRICAL RETICULATION PLAN & SCHEDULES
CHECKED: B. KUNDE	DRAWING: A241660
DESIGNER: A. BUI	PROJECT: 241660
ISSUE DATE: 12.11.24	SHEET 2 OF 3

D



SWITCHING & COMMISSIONING PLAN - LV
 (subject to site conditions, amendments by switching co-ordinator and approval by LV outage co-ordinator)

SWITCHING

1. INSTALL LV NETWORK AS PER PLANS
2. OPEN FUSE SWITCH 4 AT SC12533809 - MACKENROTH STREET
3. MAKE NEW 240LV CONNECTION AT U12535060 (STN 13)
4. CLOSE FUSE SWITCH 4 AT SC12533809 - MACKENROTH STREET
5. TEST AND COMMISSION
6. PERFORM POST COMMISSIONING CHECKS

AT SC12533809 - MACKENROTH STREET

CCT No.	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION
TFMR ISOLATOR	80x35	WB	6mm	TRANSFORMER ISOLATOR
1	80x35	WB	5mm	EXISTING LABEL TO REMAIN
2	80x35	WB	5mm	EXISTING LABEL TO REMAIN
3	80x35	WB	5mm	EXISTING LABEL TO REMAIN
4	80x35	WB	5mm	LV CABLE TO JOHN DRIVE U12535060 DIRECT THEN JOHN DRIVE U12719953 AND SERVICES

EXISTING & PROPOSED LV SCHEMATIC DIAGRAM
 SCALE N.T.S
 ALL NEW LV CABLES TO BE 4c 240mm² Al XLPE UNO

AS CONSTRUCTED
 Garry Edwards *Garry Edwards* Date: 18/05/25
 INZ ELECTRICAL SERVICES PTY LTD
 97 ZILLMERE ROAD
 BOONDALL 4034 QLD
 PH 3865 2122 FAX 3865 4475

FILE: P:\10660 - 7001 COLLINGWOOD DR COLLINGWOOD PARK - WOODLINKS - STAGE 13\10 WORKING\A21660.DWG

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B	28.08.24	ISSUED FOR CONSTRUCTION	AB	BK	BK	
A	28.08.24	ISSUED FOR APPROVAL	AB	BK	BK	
i	28.08.24	PRELIMINARY ISSUE	AB	BK	BK	

CLIENT

Woodlinks Village

SITE CONTACT DETAILS		ALIGNMENTS		PROJECT / SUB PROJECT NO.	
NAME	BEC ASHBY	ENERGEX OH	0.7 FR KI	S2602842	
COMPANY	VILLAGE BUILDING CO	ENERGEX UG	0-0.91	PARENT PROJECT NO.	-
PHONE	-	TELSTRA	0.91-1.3	WORK REQUEST NO.	-
MOBILE	0421 078 630	GAS	3.41-3.81	PLANNER & PHONE	-
EMAIL	-	HP GAS	3.41-3.81	LOTS	313 - 331, 793 - 799 & 806 & 5007 (BALANCE)
		WATER	2.21-2.81	CANCELLING LOTS	5007 ON SP344888
		STORMWATER	IN ROAD	LOCAL AUTHORITY	IPSWICH CITY COUNCIL
		SEWERAGE	1.3-2.21	PEGGED?	ON REQUEST

Electrical and Telecommunications Consultants

ABN 28 111 423 842

Phone : (07) 3372 9280
 Email : projects@ampflo.com.au
 Website : ampflo.com.au

CERTIFICATION: APPROVED: Brad Kunde RPEQ No: 16286 DATE: 12/11/2024	PROJECT 27 LOT RESIDENTIAL SUBDIVISION WOODLINKS STAGE 13 LV SCHEMATIC, LV PMT LABEL & COMMISSIONING PLAN
CHECKED: B.KUNDE	DRAWING: A241660
DESIGNER: A.BUI	PROJECT: 241660
ISSUE DATE: 12.11.24	SHEET 3 OF 3

D

WOODLINKS VILLAGE - STAGE 13

COLLINGWOOD DRIVE, COLLINGWOOD PARK

FOR 'CANBERRA ESTATES CONSORTIUM NO. 36 PTY LTD'

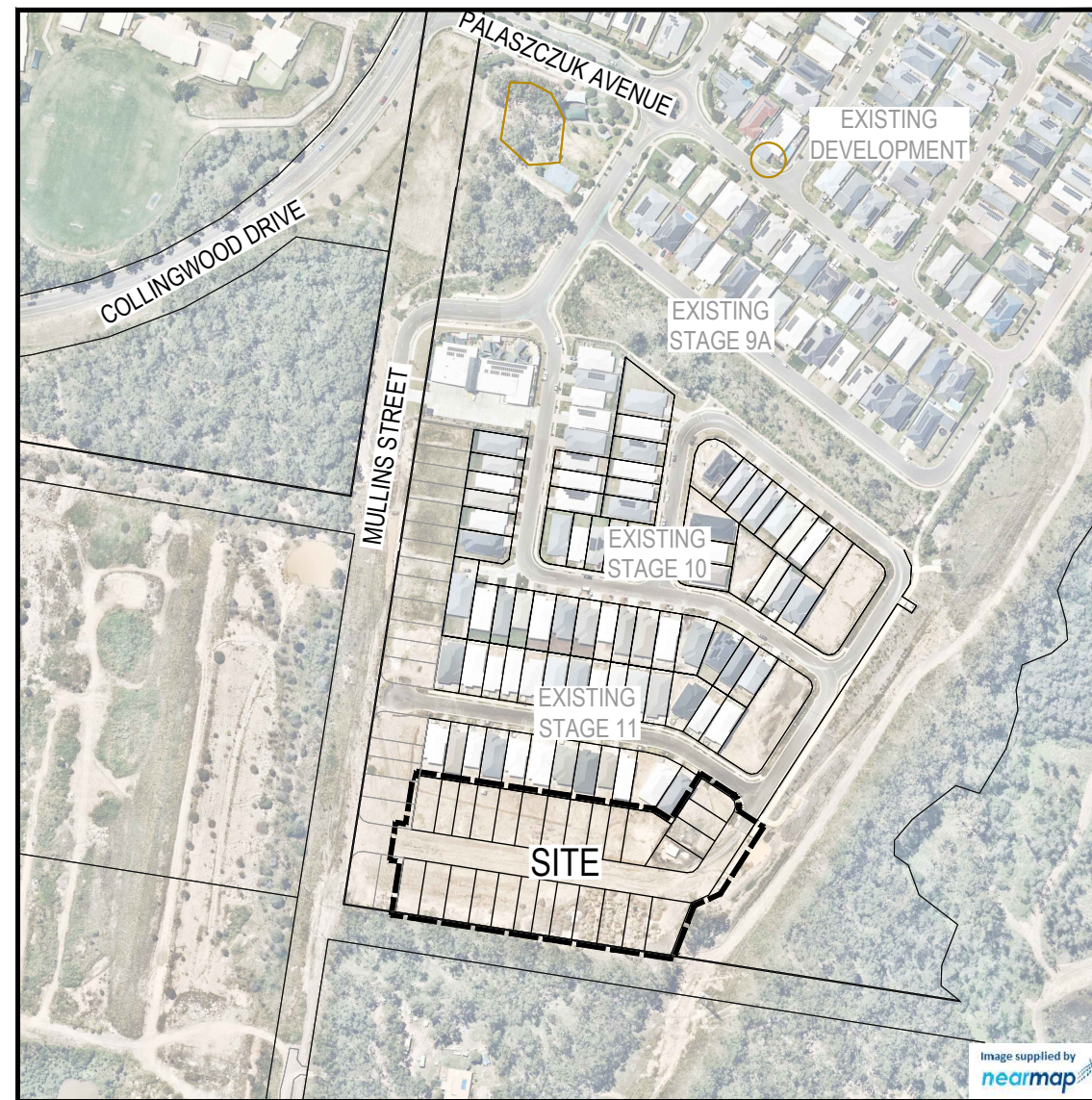
DRAWING LIST

EARTHWORKS, ROADWORKS AND DRAINAGE

- 24-0051-100 COVER PLAN
- 24-0051-101 GENERAL NOTES
- 24-0051-102 BULK EARTHWORKS LAYOUT PLAN
- 24-0051-103 BULK EARTHWORKS TYPICAL SECTIONS
- 24-0051-104 SWALE DETAILS PLAN
- 24-0051-105 ROADWORKS AND DRAINAGE LAYOUT PLAN
- 24-0051-106 SURVEY SETOUT AND KERB TYPES LAYOUT PLAN
- 24-0051-107 ROAD 12 LONGITUDINAL SECTION
- 24-0051-108 ROAD 12 CROSS SECTIONS
- 24-0051-109 SIGNS AND LINEMARKING LAYOUT PLAN
- 24-0051-110 STORMWATER DRAINAGE CATCHMENT LAYOUT PLAN
- 24-0051-111 STORMWATER DRAINAGE LONGITUDINAL SECTIONS
- 24-0051-112 STORMWATER DRAINAGE CALCULATIONS TABLE

SEWERAGE AND WATER RETICULATION

- 24-0051-300 SEWERAGE AND WATER RETICULATION COVER PLAN
- 24-0051-301 SEWERAGE AND WATER RETICULATION GENERAL NOTES
- 24-0051-302 SEWERAGE AND WATER RETICULATION LIVE WORKS DETAILS
- 24-0051-303 SEWERAGE LAYOUT PLAN
- 24-0051-304 SEWERAGE LONGITUDINAL SECTION
- 24-0051-305 WATER RETICULATION LAYOUT PLAN
- 24-0051-306 FIRE HYDRANT REACH LAYOUT PLAN



LOCALITY PLAN
SCALE 1:2000 (A1)
SCALE 1:4000 (A3)

PROJECT INFORMATION SUMMARY:	
No. OF LOTS =	27
AREA OF SITE =	1.45 ha
RP DESCRIPTION	LOT 5007 ON SP341921
DATUM LEVEL AND LOCATION	P.M. 110122 RL 40.320 AHD
LOCAL AUTHORITY:	IPSWICH CITY COUNCIL
COUNCIL REFERENCE NUMBER:	

NOTE:	
THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH:	
-	VEGETATION MANAGEMENT PLAN
-	LANDSCAPE ARCHITECT'S PLANS
-	ELECTRICAL, COMMUNICATIONS AND GAS CONSULTANT'S PLANS
-	SEDIMENT AND EROSION HAZARD ASSESSMENT
-	SAFETY IN DESIGN REPORT
-	SITE BASED MANAGEMENT PLAN
-	STORMWATER MANAGEMENT PLAN REPORT -

AS-CONSTRUCTED CERTIFICATION
Signature: _____ Date: 08/08/25
DANIEL COLLINS RPEQ No. 18631
For and on behalf of Colliers International engineering & design pty ltd

REV	DATE	DESIGN	DRAWN	REVISION DETAILS	DRAWN	STATUS	SCALE	CLIENT	PROJECT NAME	DRAWING TITLE	
0	21.11.24	CL	AK	ISSUED FOR CONSTRUCTION		AS CONSTRUCTED	SCALE 1:2000 20 0 20 40 60 80 100 A1 1:4000	CANBERRA ESTATES CONSORTIUM NO. 36 PTY LIMITED	WOODLINKS VILLAGE - STAGE 13	COVER PLAN	
1	04.04.25	CL	AK	MINOR AMENDMENTS							
2	08.08.25	CL	BP	AS CONSTRUCTED							
DESIGN APPROVED DATE 8.08.25 FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD									ASSOCIATED CONSULTANT SAUNDERS HAVILL GROUP 1300 123 744		
								PROJECT No. 24-0051 COOLINGWOOD DRIVE COOLINGWOOD PARK		DRAWING No. 100 REVISION 2	

GENERAL NOTES:

1. THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIALS, PLANT AND EQUIPMENT TO CONSTRUCT THE WORKS AS DOCUMENTED AND STRICTLY IN ACCORDANCE WITH THE RELEVANT AUTHORITY STANDARDS, SPECIFICATIONS AND REQUIREMENTS.
2. THE EXISTING SERVICES THAT ARE SHOWN ON THE DRAWINGS ARE PROVIDED FOR INFORMATION PURPOSES ONLY. NO RESPONSIBILITY IS TAKEN BY THE SUPERINTENDENT OR THE PRINCIPAL FOR INFORMATION THAT HAS BEEN SUPPLIED BY OTHERS, OR ANY EXISTING SERVICES THAT MAY BE PRESENT NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL VERIFY THE POSITION OF ANY UNDERGROUND SERVICES WITHIN THE AREAS OF WORKS AND SHALL BE RESPONSIBLE FOR MAKING GOOD ANY DAMAGE THERETO. ANY ALTERATION WORKS TO SERVICES WILL BE CARRIED OUT ONLY BY THE SERVICE OWNER AUTHORITY UNLESS APPROVED OTHERWISE.
3. ALL CONSTRUCTION ACTIVITIES UNDERTAKEN SHALL COMPLY WITH CURRENT WORKPLACE HEALTH AND SAFETY REQUIREMENTS AND LEGISLATION.
4. PRIOR TO COMMENCING WORK, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL RELEVANT LOCAL AUTHORITY PERMITS.
5. THE CONTRACTOR SHALL NOT COMMENCE THE DEMOLITION OF ANY EXISTING BUILDINGS AND/OR STRUCTURES WITHOUT APPROVAL FROM THE SUPERINTENDENT.
6. THE CONTRACTOR SHALL APPLY INDUSTRY BEST PRACTICE SO WORKS SHALL NOT DISTURB OR AFFECT NEARBY RESIDENTS EITHER BY DUST, NOISE, FLOODING OR DISCONNECTION OF SERVICES. CONTRACTOR TO ENSURE THAT ACCESS AND SERVICES TO EXISTING PROPERTIES ARE AVAILABLE AT ALL TIMES.
7. THE CONTRACTOR SHALL VERIFY LEVELS OF EXISTING SERVICE CROSSINGS AND CONNECTION POINTS PRIOR TO COMMENCEMENT OF WORKS AND NOTIFY SUPERINTENDENT OF ANY DISCREPANCIES BETWEEN ACTUAL AND PROPOSED DESIGN LEVELS.
8. THESE ENGINEERING DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE APPROVED VEGETATION MANAGEMENT PLAN, WHERE APPLICABLE. WHEN IN DOUBT, ALL EXISTING TREES ARE TO REMAIN UNLESS DIRECTED OTHERWISE.
9. **HOLD POINT:** ONCE THE BASE OF MANHOLES, INSPECTION PITS, GULLIES AND FIELD INLETS FOR STORMWATER DRAINAGE AND SEWER RETICULATION HAVE BEEN POURED, CONSTRUCTION SHALL ONLY RE-COMMENCE ONCE THE SUPERINTENDENT AND/OR ENGINEER HAVE INSPECTED THE WORKS.
10. THE CONTRACTOR SHALL NOTE DURING THE COURSE OF THE WORKS WHEN JOINT INSPECTIONS WITH THE AUTHORITY AND THE SUPERINTENDENT ARE REQUIRED. THESE INCLUDE PRE-STARTS, SUBGRADES, PRE-SEALS, CLEARING, AND OTHER SUCH INSPECTIONS AS NOMINATED IN THE APPROVAL AND THE SPECIFICATIONS. THE CONTRACTOR SHALL ENSURE NO WORKS PROCEED PAST THE INSPECTION POINT UNTIL THE JOINT INSPECTION HAS BEEN SUCCESSFULLY COMPLETED.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SAFE MOVEMENT OF TRAFFIC AND THE PROTECTION OF PERSON AND PROPERTY THROUGH AND AROUND THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC MANAGEMENT INCLUDING THE DESIGN, CONSTRUCTION, MAINTENANCE AND REMOVAL OF TEMPORARY ROADWAYS, DETOURS, SIGNS, LIGHTS AND BARRIER AS REQUIRED STRICTLY IN ACCORDANCE WITH THE RELEVANT AUTHORITY REQUIREMENTS.

BULK EARTHWORKS NOTES


1. NOTWITHSTANDING THE EXTENTS OF CUTTING AND FILLING SHOWN ON DRAWINGS, THE SUPERINTENDENT RESERVES THE RIGHT TO ADJUST THE FINISHED SURFACE LEVELS AND EARTHWORKS EXTENTS THROUGH WRITTEN DIRECTION.
2. THE CONTRACTOR SHALL UNDERTAKE ALL CLEARING USING INDUSTRY BEST PRACTICE INCLUDING CONSIDERATION OF FAUNA RELOCATION.
3. THE CONTRACTOR SHALL UNDERTAKE ALL EARTHWORKS IN ACCORDANCE WITH AS3798-2007 AND LOCAL AUTHORITY REQUIREMENTS. LEVEL 1 SUPERVISION IS REQUIRED.
4. THE CONTRACTOR SHALL CONSIDER LOADS GENERATED BY THE EARTHWORKS OPERATIONS SO AS TO AVOID DAMAGE TO ALL PIPES, SERVICES AND STRUCTURES.
5. THE EARTHWORKS DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT'S SEDIMENT AND EROSION CONTROL PLAN, WHERE APPLICABLE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLANNING, DESIGN, CERTIFICATION, IMPLEMENTATION AND MAINTENANCE OF AN EROSION AND SEDIMENT CONTROL PLAN THAT IS COMPLIANT WITH THE INTERNATIONAL EROSION CONTROL ASSOCIATION (IECA) GUIDELINE 'BEST PRACTICE EROSION AND SEDIMENT CONTROL' AND RELEVANT COUNCIL POLICIES.
7. ALLOTMENT FINISHED SURFACE LEVELS, SHOWN ON THE LAYOUT PLAN, INDICATE THE FINISHED SURFACE LEVEL AFTER TOPSOIL PLACEMENT.

ROADWORKS AND DRAINAGE NOTES

1. ALL WORKS SHALL BE IN ACCORDANCE WITH THE RELEVANT AUTHORITY'S STANDARD DRAWINGS, METHODS AND SPECIFICATIONS.
2. NOTWITHSTANDING THE EXTENTS OF CUTTING AND FILLING SHOWN ON DRAWINGS, THE SUPERINTENDENT RESERVES THE RIGHT TO ADJUST THE FINISHED SURFACE LEVELS AND EARTHWORKS EXTENTS THROUGH WRITTEN DIRECTION.
3. NEW CONSTRUCTION SHALL BE NEATLY JOINED TO EXISTING FORMATION. WHERE REQUIRED, THE EXISTING FORMATION SHALL BE SAW CUT IN ACCORDANCE WITH IPWEAQ STD DRG RS-170. LEVELS AND GRADIENTS AT CONNECTIONS WITH EXISTING WORKS MAY BE VARIED AS REQUIRED TO ACHIEVE A SMOOTH CONNECTION.
4. THE CONTRACTOR SHALL UNDERTAKE ALL EARTHWORKS IN ACCORDANCE WITH AS3798-2007 AND LOCAL AUTHORITY REQUIREMENTS. LEVEL 1 SUPERVISION IS REQUIRED.
5. THE CONTRACTOR SHALL SUPPLY THE SUPERINTENDENT WITH THE SUBGRADE TEST RESULTS NECESSARY FOR ALL PAVEMENT DESIGN.
6. THE CONTRACTOR SHALL ENSURE A MINIMUM OF 75mm TOPSOIL TO ALL VERGE AND BATTER AREAS (AND STABILISATION AS ORDERED)
7. THE CONTRACTOR SHALL INSTALL ALL FOOTPATH AND PRAM RAMPS IN COMPLIANCE WITH THE AUTHORITY'S STANDARD DRAWINGS. PRAM RAMPS ARE TO BE LOCATED CLEAR OF DRAINAGE GULLY PITS AND FUTURE DRIVEWAY POSITIONS INDICATED ON THE LAYOUT PLANS.
8. THE CONTRACTOR SHALL INSTALL SUBSOIL DRAINS UNDER ALL KERBS AS REQUIRED BY THE LOCAL AUTHORITY'S STANDARDS.
9. THE CONTRACTOR SHALL ENSURE THAT ALL RETAINING WALL SUBSOIL DRAINS ARE TO CONNECT TO EITHER KERB ADAPTORS, OR STORMWATER DRAINAGE STRUCTURES. CONTRACTOR TO DEMONSTRATE TO SUPERINTENDENT THAT SUITABLE CONNECTIONS HAVE BEEN PROVIDED FOR ALL WALLS.
10. ALL STORMWATER DRAINAGE MATERIALS, BEDDING, JOINTING AND STEP IRON REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE RELEVANT AUTHORITIES STANDARD DRAWINGS, METHODS AND SPECIFICATIONS.
11. THE STORMWATER PIPE CLASSES HAVE BEEN DESIGNED FOR SERVICE LOADS ONLY. THE CONTRACTOR SHALL ASSESS THE SUITABILITY OF MACHINERY USED ON SITE AND THE ANTICIPATED CONSTRUCTION LOADS, AND UPGRADE THE PIPE CLASSES IF NECESSARY IN ACCORDANCE WITH AS3725-2007.
12. THE TERM D₅₀ DOCUMENTED ON THE DRAWINGS, IN RELATION TO ROCK ARMORING, CORRESPONDS TO THE REQUIRED MEDIAN DIAMETER OF THE PLACED ROCKS. THE ROCKS USED SHALL NOT VARY IN SIZE BY +/- 30% OF THE PROPOSED D₅₀ SIZE.

ROOFWATER NOTES

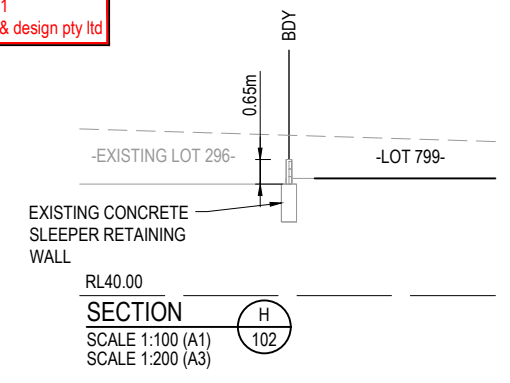
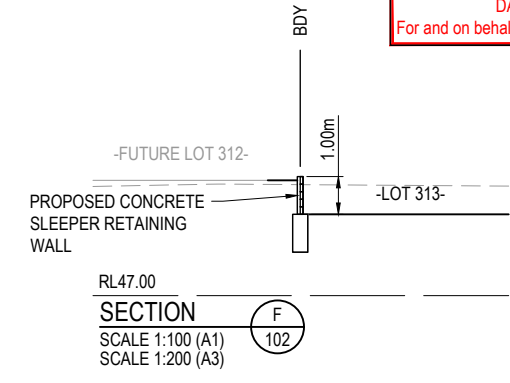
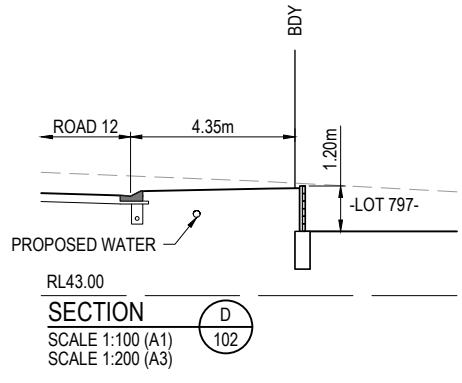
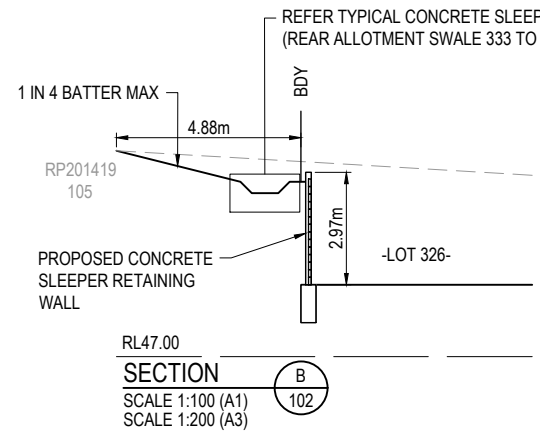
1. THE GEOMETRIC CENTRE SHALL BE TAKEN AS THE SETOUT POINT FOR ALL STRUCTURES, UNLESS DETAILED OTHERWISE.
2. ROOFWATER ALIGNMENT, COVER, MATERIALS, BEDDING, JOINTING AND STEP IRON REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE RELEVANT AUTHORITY'S STANDARD DRAWINGS, METHODS AND SPECIFICATIONS.
3. ALL PVC PIPES ARE TO BE MINIMUM CLASS SN8.
4. END CAPS SHALL BE INSTALLED ON ENDS OF ALL PIPES AND STUBS.
5. WHERE ROOFWATER PIPES ARE ALIGNED BEHIND PROPOSED RETAINING WALLS, THE CONTRACTOR IS TO REFER TO THE SPECIFIC PROJECT DESIGN DETAILS AND CONFIRM CLEARANCES WITH THE SUPERINTENDENT PRIOR TO LAYING OF THE PIPES.
6. PROPERTY CONNECTIONS SHALL BE 1500 UNLESS SHOWN OTHERWISE. THE CONTRACTOR SHALL EXTEND CONNECTIONS A MINIMUM OF 1.0m BEYOND ADJACENT SEWER LINES, WHERE APPLICABLE.
7. IN INSTANCES WHERE REAR ALLOTMENT DRAINAGE IS NOT PROVIDED, THE CONTRACTOR SHALL INSTALL A ROOFWATER CONNECTION TO EACH PROPERTY BY ONE OF THE FOLLOWING METHODS, AS SHOWN ON THE LAYOUT PLAN:
 - TWO ROOFWATER KERB ADAPTOR 500mm FROM THE DOWNSTREAM BOUNDARY (UNLESS SHOWN ON A DIFFERENT ALIGNMENT). WHERE THERE IS A CONCRETE FOOTPATH, A ROOFWATER PIPE SHALL BE INSTALLED FROM THE PROPERTY BOUNDARY CONNECTED TO THE KERB ADAPTOR AT 1.25% MINIMUM GRADE IN ACCORDANCE WITH COUNCIL'S STANDARDS.
 - ONE 1500 ROOFWATER PIPE CONNECTED TO PROPOSED STORMWATER GULLY PIT OR MANHOLE AT MINIMUM 1.0% GRADE WITH 1.0m COVER.

AS-CONSTRUCTED CERTIFICATION
 Signature:  Date: 08/08/25
 DANIEL COLLINS RPEQ No. 18631
 For and on behalf of Colliers International engineering & design pty ltd

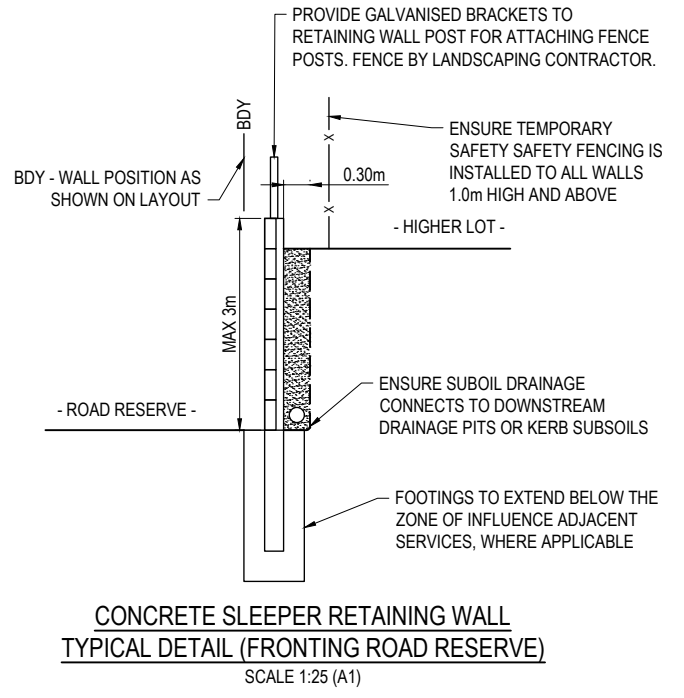
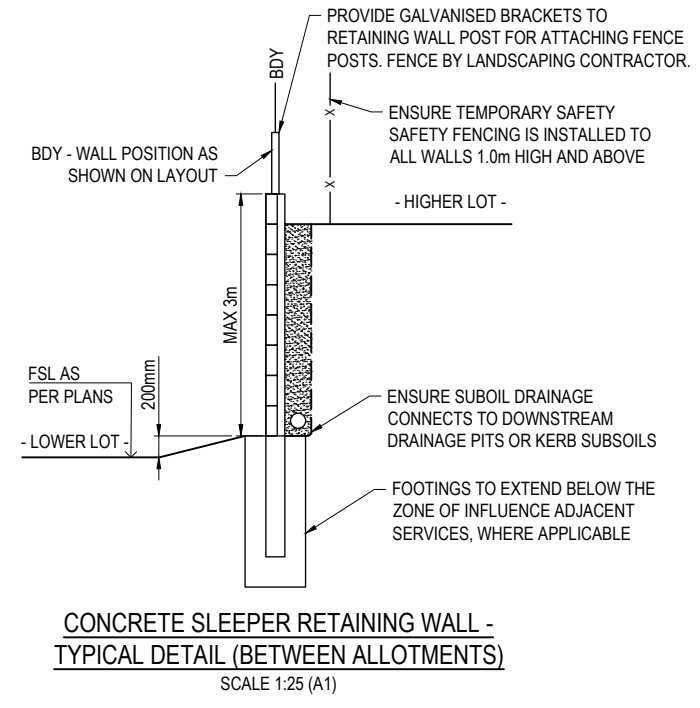
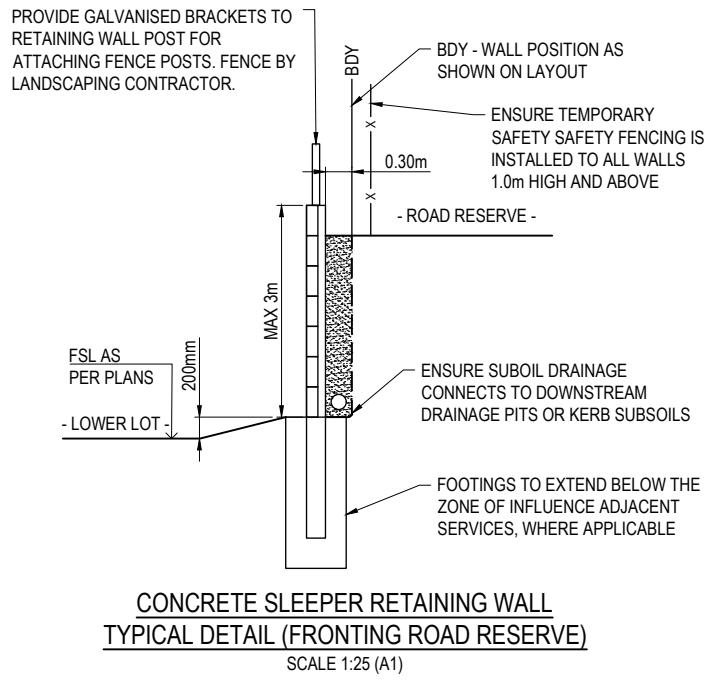
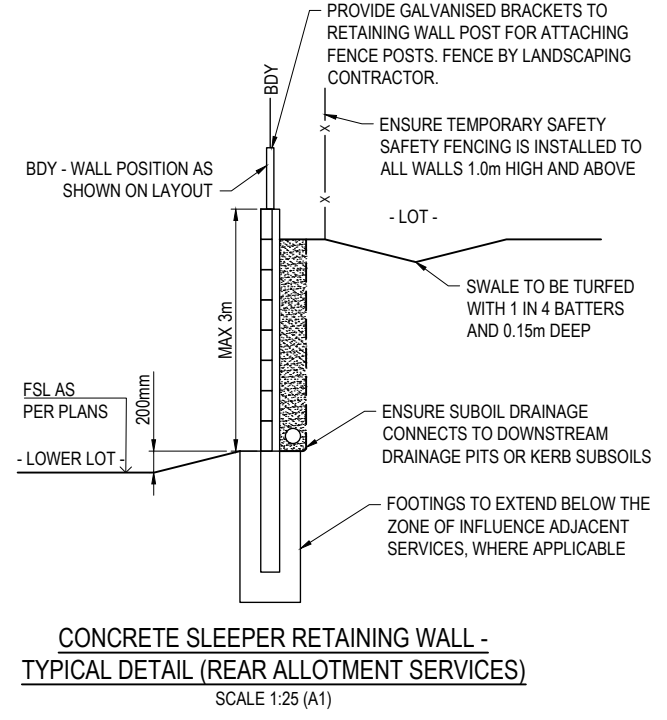
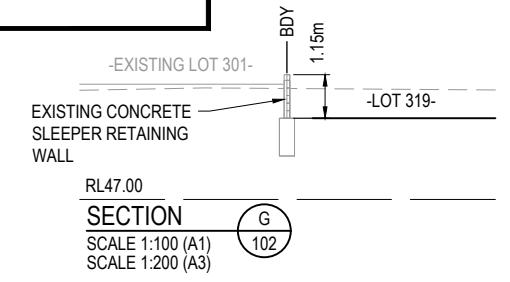
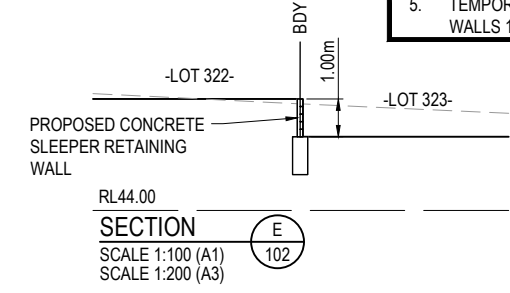
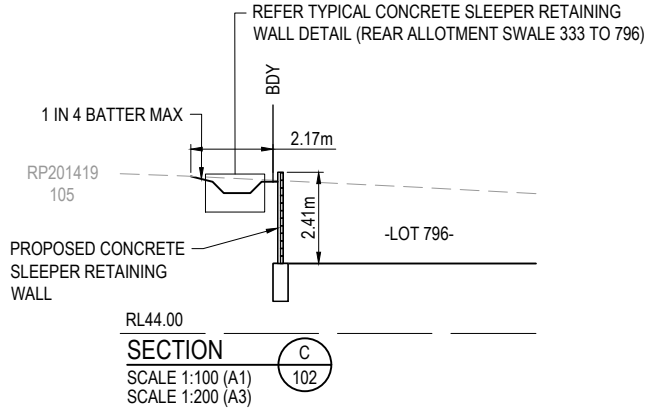
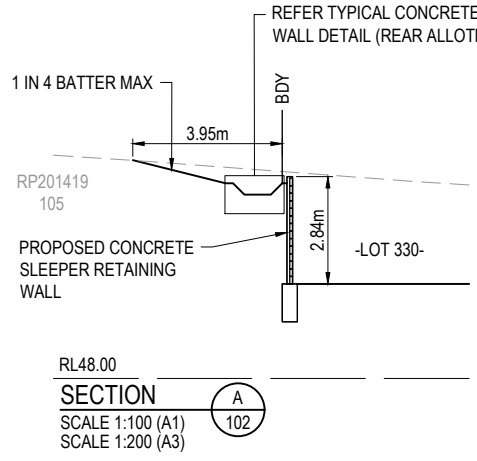
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0	21.11.24	CL	AK	ISSUED FOR CONSTRUCTION				CANBERRA ESTATES CONSORTIUM NO. 36 PTY LIMITED	WOODLINKS VILLAGE - STAGE 13	GENERAL NOTES				
1	04.04.25	CL	AK	MINOR AMENDMENTS			ASSOCIATED CONSULTANT				COOLINGWOOD DRIVE COOLINGWOOD PARK	PROJECT No. 24-0051	DRAWING No. 101	REVISION 2
2	08.08.25	CL	BP	AS CONSTRUCTED			SAUNDERS HAVILL GROUP 1300 123 744							
					DESIGN	APPROVED	DATE 8.08.25							
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD														



AS-CONSTRUCTED CERTIFICATION
 Signature:  Date: 08/08/25
 DANIEL COLLINS RPEQ No. 18631
 For and on behalf of Colliers International engineering & design pty ltd

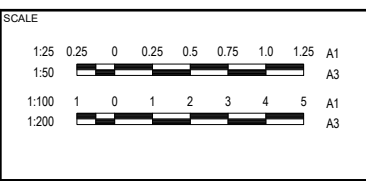


- RETAINING WALL NOTES:**
1. ALL RETAINING WALLS ARE TO BE DELIVERED UNDER DESIGN AND CONSTRUCTION ARRANGEMENT - FORMS 15 AND 12 CERTIFICATIONS ARE TO BE PROVIDED BY THE CONTRACTOR.
 2. DESIGN OF WALLS TO CONSIDER ALL LOADS (FENCES, DWELLINGS ETC) AS WELL AS ASSOCIATED IMPACTS FROM ANY ADJACENT SERVICES - FOOTING DEPTHS TO BE EXTENDED AS REQUIRED.
 3. GEOTECHNICAL CONDITIONS ARE TO BE CONFIRMED AND APPROPRIATELY CONSIDERED FOR ALL WALLS.
 4. REFER LANDSCAPE DRAWINGS FOR FURTHER INFORMATION ON RETAINING WALLS, PARTICULARLY RELATING TO FINISHES.
 5. TEMPORARY SAFETY FENCING TO BE INSTALLED BEHIND ALL WALLS 1.0m HIGH AND GREATER.



REV	DATE	DESIGN	DRAWN	ISSUED FOR CONSTRUCTION	REVISION DETAILS
0	21.11.24	CL	AK	ISSUED FOR CONSTRUCTION	
1	04.04.25	CL	AK	MINOR AMENDMENTS	
2	08.08.25	CL	BP	AS CONSTRUCTED	

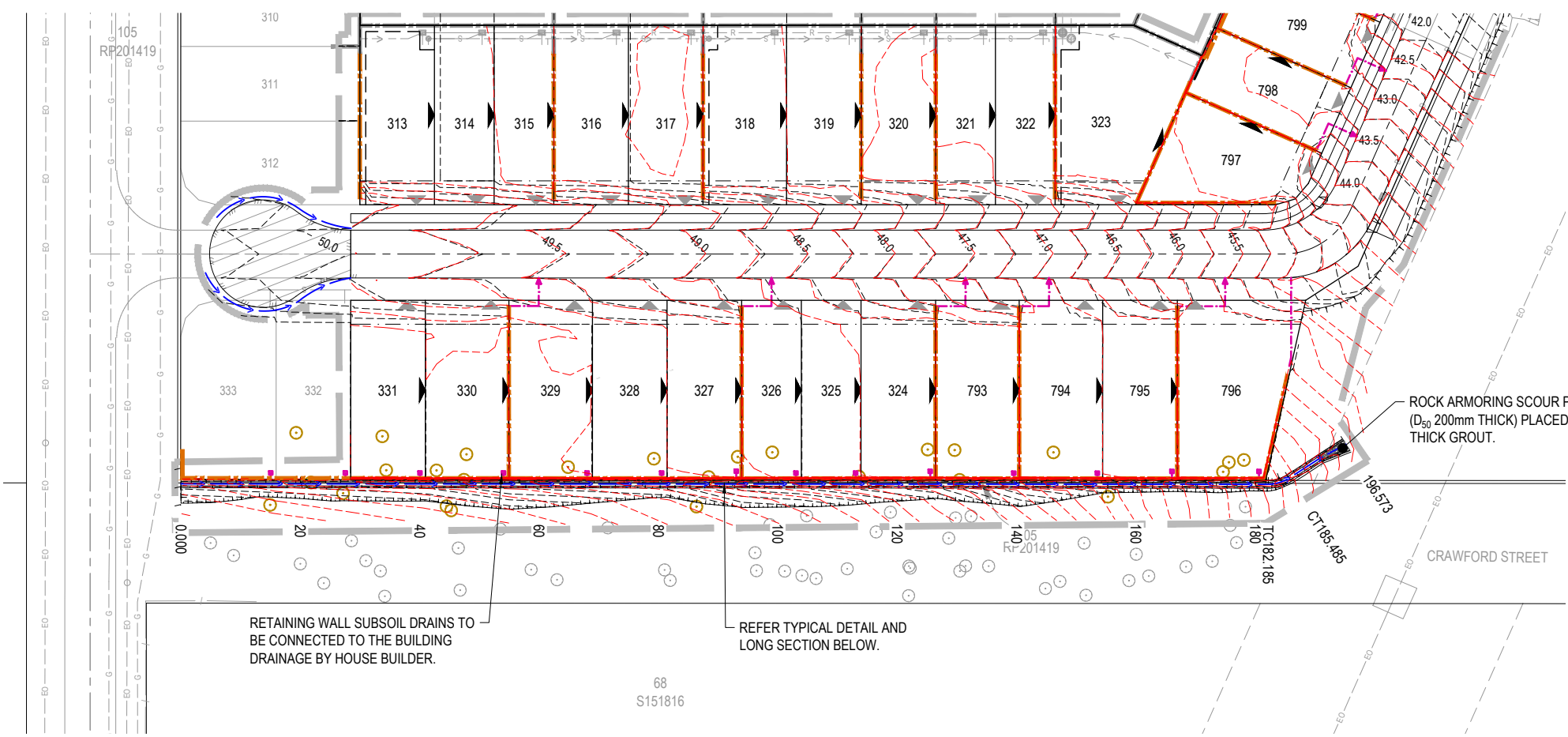
DRAWN	STATUS
	AS CONSTRUCTED
DESIGN	APPROVED
	DATE: 02.08.24



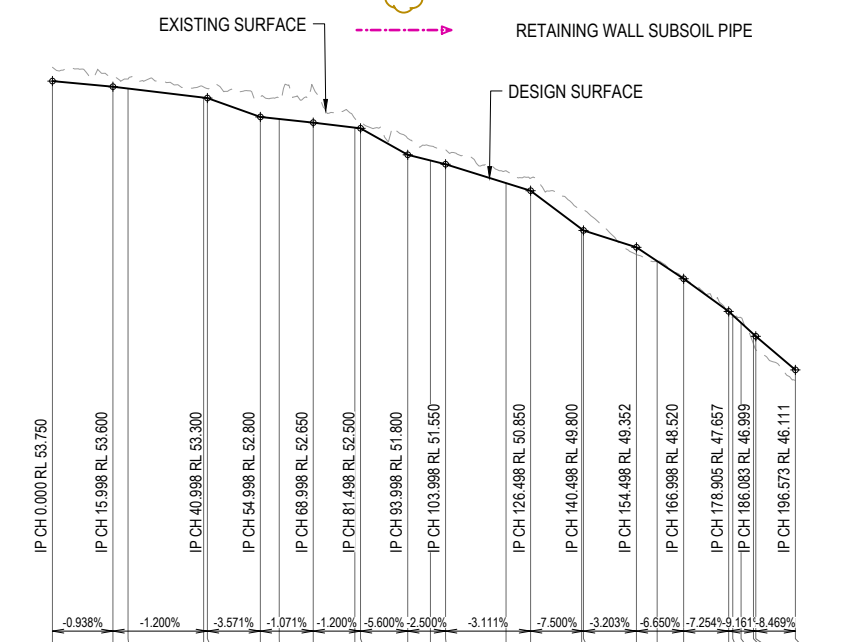
CLIENT: **CANBERRA ESTATES CONSORTIUM NO. 36 PTY LIMITED**
 ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP
 1300 123 744

PROJECT NAME: **WOODLINKS VILLAGE - STAGE 13**
 COOLINGWOOD DRIVE
 COOLINGWOOD PARK

DRAWING TITLE		
BULK EARTHWORKS TYPICAL SECTIONS		
PROJECT No.	DRAWING No.	REVISION
24-0051	103	2

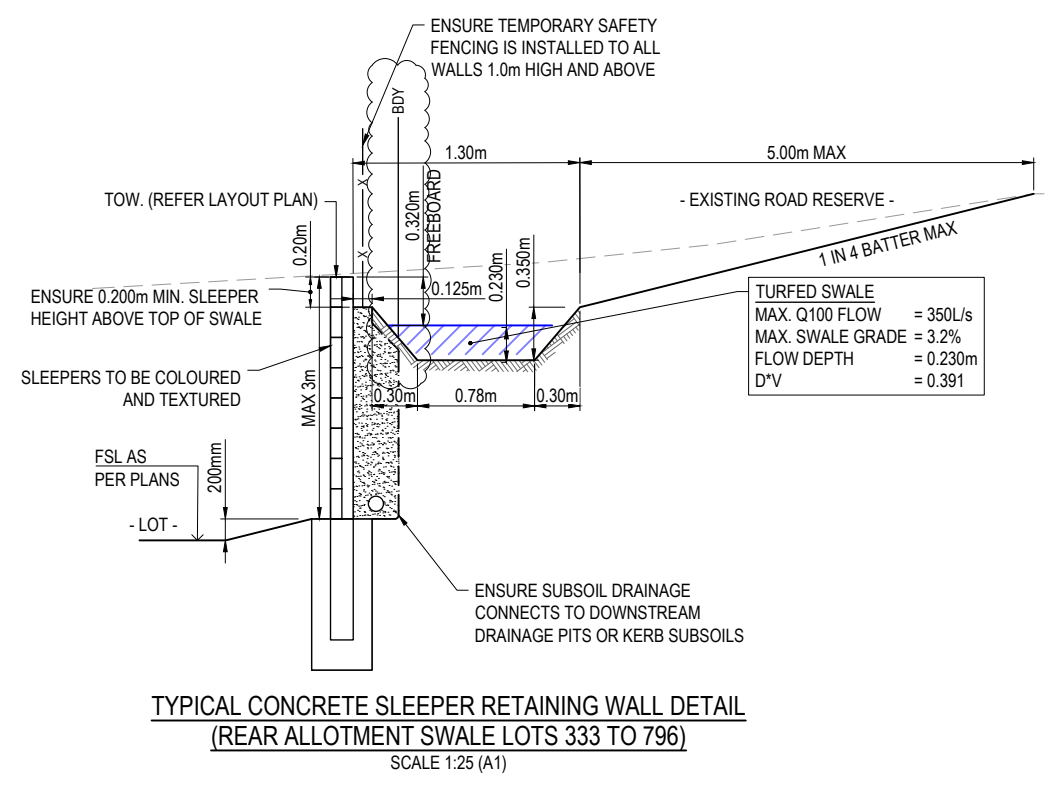


- LEGEND**
- PROPOSED AREA OF WORKS
 - PROPOSED SURFACE CONTOUR
 - PROPOSED EARTHWORKS PAD SETBACK LINE
 - PROPOSED CONCRETE SLEEPER RETAINING WALL
 - EXISTING CONCRETE SLEEPER RETAINING WALL
 - INDICATIVE DRIVEWAY LOCATIONS
 - ZERO LOT BOUNDARY
 - EXISTING STORMWATER DRAINAGE PIPE
 - EXISTING ROOFWATER DRAINAGE PIPE
 - EXISTING SEWER MAIN
 - EXISTING WATER MAIN
 - EXISTING ELECTRICAL CABLE U/G
 - EXISTING ELECTRICAL CABLE O/H
 - EXISTING TELECOMMUNICATION CABLE U/G
 - PROPOSED SWALE DRAIN
 - EXISTING DRAIN
 - EXISTING GAS MAIN
 - EXISTING TREE TO REMAIN - REFER VMP
 - EXISTING TREE TO BE REMOVED - REFER VMP
 - RETAINING WALL SUBSOIL PIPE



DATUM RL 38.0

CUT (-) / FILL	BASE OF SWALE	TOP OF SWALE	EXISTING SURFACE	CHAINAGES
-0.365	53.400	53.750	54.115	0.000
-0.253	53.250	53.600	53.853	15.998
-0.252	53.202	53.552	53.804	20.000
-0.280	52.962	53.312	53.592	40.000
-0.252	52.950	53.300	53.552	40.998
-0.542	52.450	52.800	53.342	54.998
-0.545	52.396	52.746	53.291	60.000
-0.930	52.300	52.650	53.580	68.998
-0.245	52.168	52.518	52.763	80.000
-0.151	52.150	52.500	52.651	81.498
-0.435	51.450	51.800	52.235	93.998
-0.383	51.300	51.650	52.033	100.000
-0.383	51.200	51.550	51.933	103.998
-0.327	50.702	51.052	51.379	120.000
-0.332	50.500	50.850	51.182	126.498
-0.900	49.487	49.837	50.337	140.000
-0.542	49.450	49.800	50.342	140.498
0.189	49.002	49.352	49.163	154.498
0.009	48.636	48.986	49.977	160.000
-0.014	48.170	48.520	48.535	166.998
0.168	47.307	47.657	47.489	178.905
0.045	47.206	47.556	47.511	180.000
-0.133	47.006	47.356	47.490	182.185
0.280	46.704	47.054	46.794	186.485
0.354	46.649	46.999	46.645	186.083
0.278	46.111	46.461	46.832	196.573



AS-CONSTRUCTED CERTIFICATION
 Signature: _____ Date: 08/08/25
DANIEL COLLINS RPEQ No. 18631
 For and on behalf of Colliers International engineering & design pty ltd

WARNING! - EXISTING SERVICES
 EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

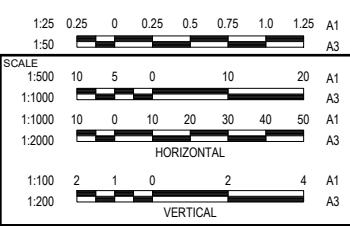
THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

REV	DATE	DESIGN	DRAWN	ISSUED FOR CONSTRUCTION	REVISION DETAILS	DRAWN	STATUS
0	21.11.24	CL	AK	ISSUED FOR CONSTRUCTION			
1	29.11.24	CL	CL	BOUNDARY SHIFT ON DETAIL			
2	04.04.25	CL	AK	MINOR AMENDMENTS			
3	08.08.25	CL	BP	AS CONSTRUCTED			

AS CONSTRUCTED

DATE 02.08.24

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD



CLIENT **CANBERRA ESTATES CONSORTIUM NO. 36 PTY LIMITED**

ASSOCIATED CONSULTANT SAUNDERS HAVILL GROUP 1300 123 744

PROJECT NAME **WOODLINKS VILLAGE - STAGE 13**

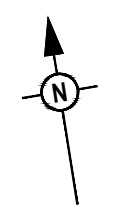
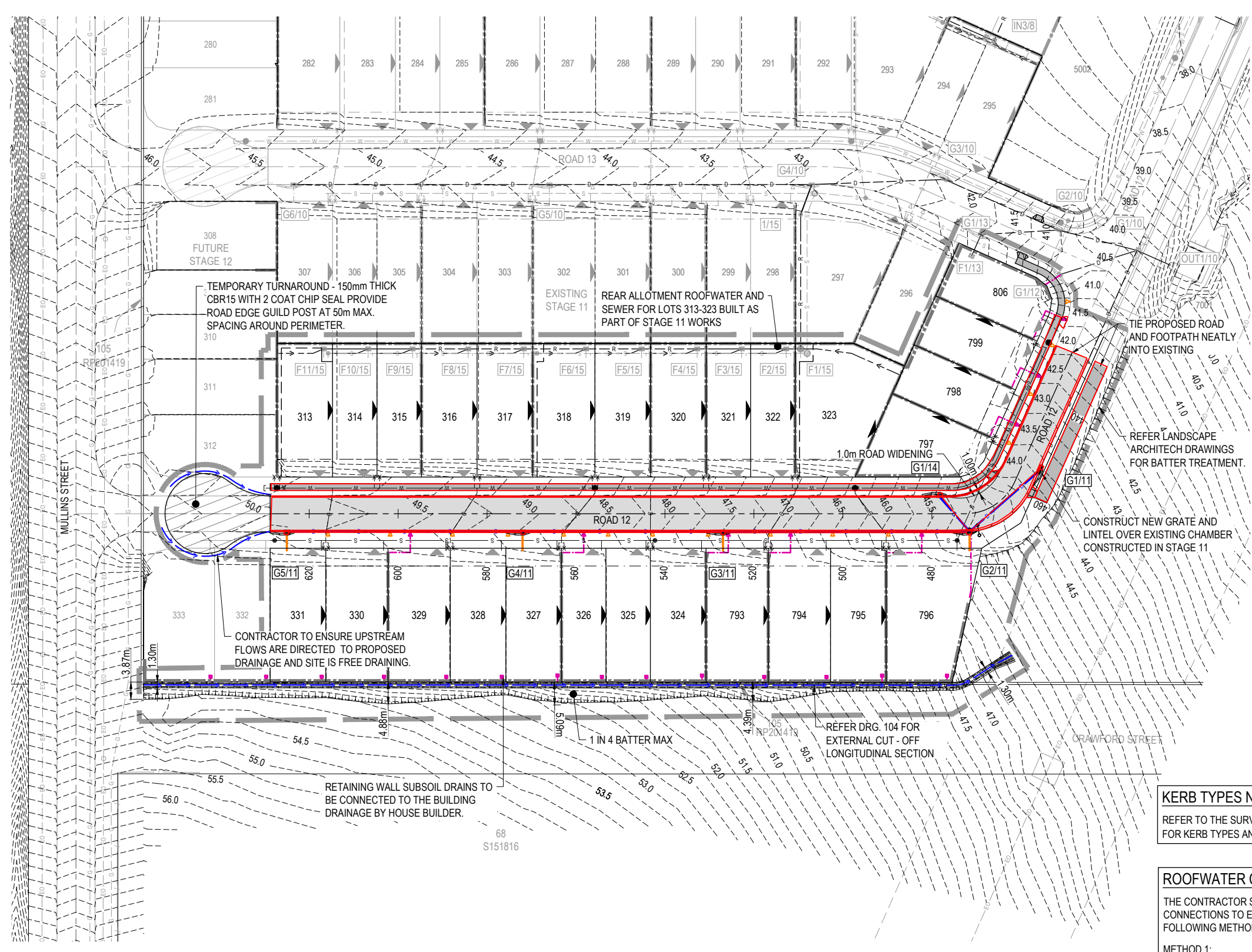
COOLINGWOOD DRIVE COOLINGWOOD PARK

DRAWING TITLE **SWALE DETAILS PLAN**

PROJECT No. **24-0051**

DRAWING No. **104**

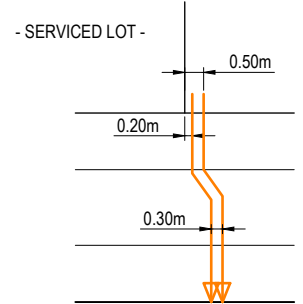
REVISION **3**



- LEGEND**
- PROPOSED AREA OF WORKS
 - PROPOSED ROAD CONTROL LINE
 - EXISTING ROAD CROWN
 - PROPOSED KERB INVERT LINE
 - PROPOSED KERB TRANSITION LOCATION
 - PROPOSED CONCRETE PATH AND PRAM RAMP
 - PROPOSED NEW ROAD PAVEMENT
 - INDICATIVE DRIVEWAY LOCATION
 - ZERO LOT BOUNDARY
 - FINISHED SURFACE CONTOUR
 - PROPOSED STORMWATER DRAINAGE PIPE
 - EXISTING STORMWATER DRAINAGE PIPE
 - EXISTING ROOFWATER DRAINAGE PIPE
 - PROPOSED DRAINAGE SWALE
 - EXISTING DRAIN
 - PROPOSED ROOFWATER KERB ADAPTOR
 - PROPOSED ROOFWATER KERB ADAPTOR WITH PIPE CONNECTION TO ALLOTMENT
 - RETAINING WALL SUBSOIL PIPE
 - PROPOSED SLEEPER RETAINING WALL
 - EXISTING SLEEPER RETAINING WALL
 - PROPOSED SEWERAGE MAIN
 - EXISTING SEWERAGE MAIN
 - PROPOSED WATER MAIN
 - EXISTING WATER MAIN
 - PROPOSED WATER CONDUIT
 - EXISTING ELECTRICAL CABLE O/H
 - EXISTING GAS MAIN

ASCON LEGEND

- STORMWATER DRAINAGE PIPE
- STORMWATER MANHOLE
- STORMWATER PIT
- EDGE OF ROAD
- FOOTPATH



KERB TYPES NOTE:
REFER TO THE SURVEY SETOUT ENGINEERING DRAWING FOR KERB TYPES AND TRANSITION LOCATIONS

ROOFWATER CONNECTION NOTE:
THE CONTRACTOR SHALL INSTALL ROOFWATER CONNECTIONS TO EACH PROPERTY BY ONE OF THE FOLLOWING METHODS, AS SHOWN ON THE LAYOUT PLAN:

METHOD 1:
ONE ROOFWATER KERB ADAPTOR 500mm FROM THE DOWNSTREAM BOUNDARY PLUS ONE ROOFWATER KERB ADAPTOR 6.0m FROM DOWNSTREAM BOUNDARY.

WHERE THERE IS A CONCRETE FOOTPATH, A ROOFWATER PIPE SHALL BE INSTALLED FROM THE PROPERTY BOUNDARY CONNECTED TO THE KERB ADAPTOR AT 1.25% MINIMUM GRADE.

METHOD 2:
ONE 150Ø ROOFWATER PIPE CONNECTED TO PROPOSED STORMWATER GULLY PIT OR MANHOLE AT MINIMUM 1.0% GRADE WITH 1.0m COVER.

TYPICAL KERB ADAPTOR SETOUT DETAIL
SCALE 1:100 (A1)

WARNING! - EXISTING SERVICES
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS



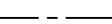


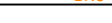


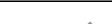
THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

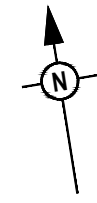
AS-CONSTRUCTED CERTIFICATION
Signature: Date: 08/08/25
DANIEL COLLINS RPEQ No. 18631
For and on behalf of Colliers International engineering & design pty ltd

REV	DATE	DESIGN	DRAWN	ISSUED FOR CONSTRUCTION	REVISION DETAILS	DRAWN	STATUS
0	21.11.24	CL	AK	ISSUED FOR CONSTRUCTION			
1	29.11.24	CL	CL	FOOTPATH ADDED TO LHS OF ROAD			
2	04.04.25	CL	AK	MINOR AMENDMENTS			
3	08.08.25	CL	BP	AS CONSTRUCTED			

AS CONSTRUCTED			SCALE	CLIENT	PROJECT NAME	DRAWING TITLE
			1:500 10 5 0 10 20 A1 1:1000	CANBERRA ESTATES CONSORTIUM NO. 36 PTY LIMITED	WOODLINKS VILLAGE - STAGE 13	ROADWORKS AND DRAINAGE LAYOUT PLAN
			1:100 1 0 1 2 3 4 5 A1 1:200	ASSOCIATED CONSULTANT SAUNDERS HAVILL GROUP 1300 123 744	COOLINGWOOD DRIVE COOLINGWOOD PARK	PROJECT No. 24-0051
						DRAWING No. 105
						REVISION 3

LEGEND

-  PROPOSED AREA OF WORKS
-  PROPOSED NEW ROAD PAVEMENT
-  PROPOSED ROAD CONTROL LINE
-  PROPOSED MOUNTABLE KERB AND CHANNEL 'TYPE M1'
-  PROPOSED BARRIER KERB AND CHANNEL 'TYPE B1'
-  PROPOSED KERB TRANSITION LOCATION
-  PROPOSED CONCRETE PATH AND PRAM RAMP
-  INDICATIVE DRIVEWAY LOCATION
-  ZERO LOT BOUNDARY

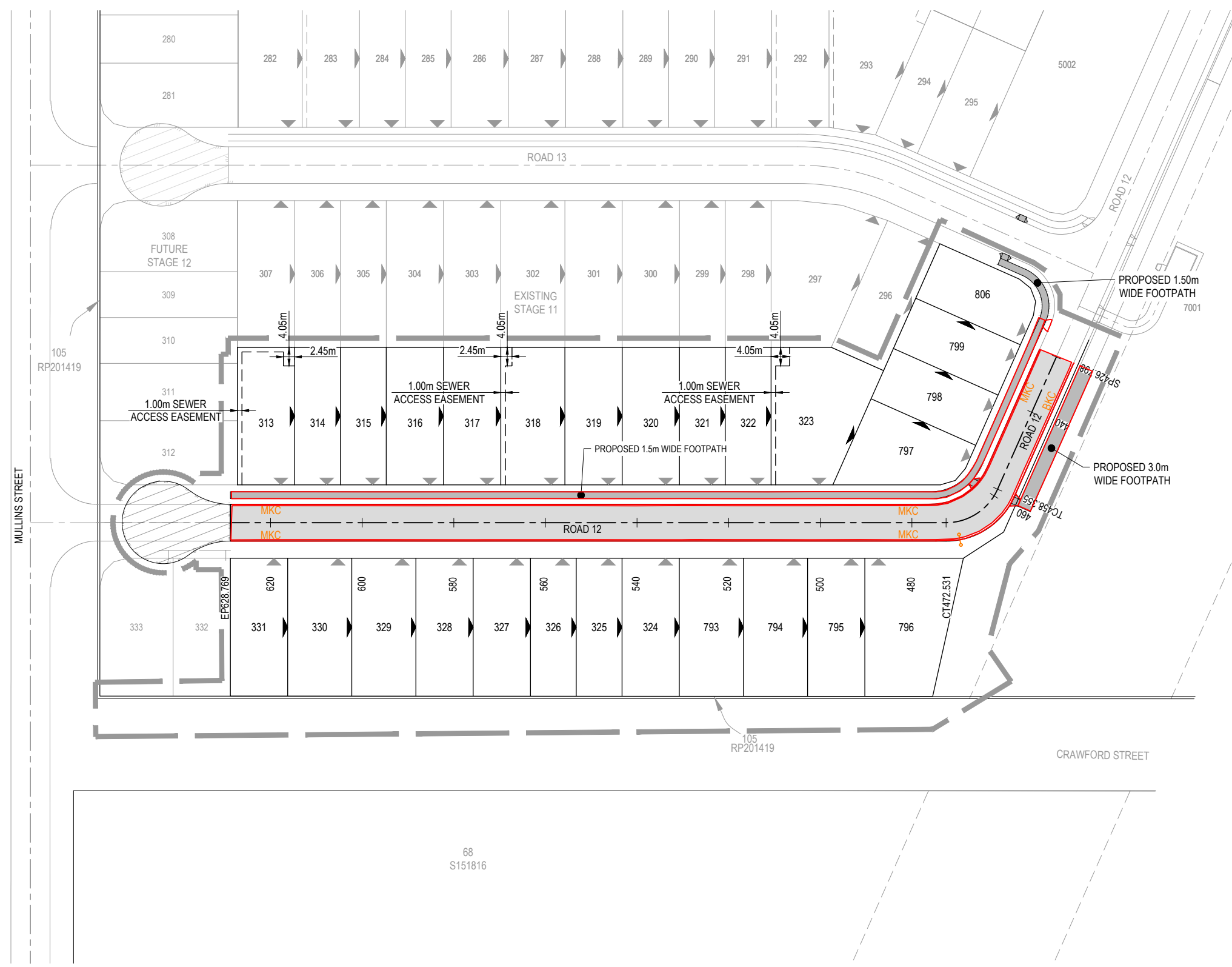


CONTROL LINE SETOUT - ROAD 12

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
TC	322.234	6006.431	3347.163	122°53'01.07"			
CT	340.298	6009.845	3331.262	212°53'01.07"			
TC	458.355	5945.748	3232.121	212°53'01.07"			
IP 6	465.443	5941.408	3225.409		R = 12.300	14.176	66°01'59.01"
CT	472.531	5933.512	3226.648	278°55'00.08"			
IP 7	672.408	5736.050	3257.628	278°55'00.08"			

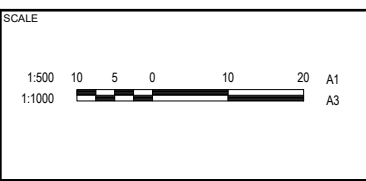
ASCON LEGEND

-  EDGE OF ROAD
-  FOOTPATH



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**CANBERRA ESTATES
 CONSORTIUM NO. 36 PTY
 LIMITED**

ASSOCIATED CONSULTANT
 SAUNDERS HAVILL GROUP
 1300 123 744

PROJECT NAME
WOODLINKS VILLAGE - STAGE 13

COOLINGWOOD DRIVE
 COOLINGWOOD PARK

DRAWING TITLE		
SURVEY SETOUT AND KERB TYPES LAYOUT PLAN		
PROJECT No.	DRAWING No.	REVISION
24-0051	106	3

AS CONSTRUCTED

DESIGN APPROVED DATE 02.08.24
 FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

ASSUMED PAVEMENT DETAILS (SUBJECT TO CBR TESTING)

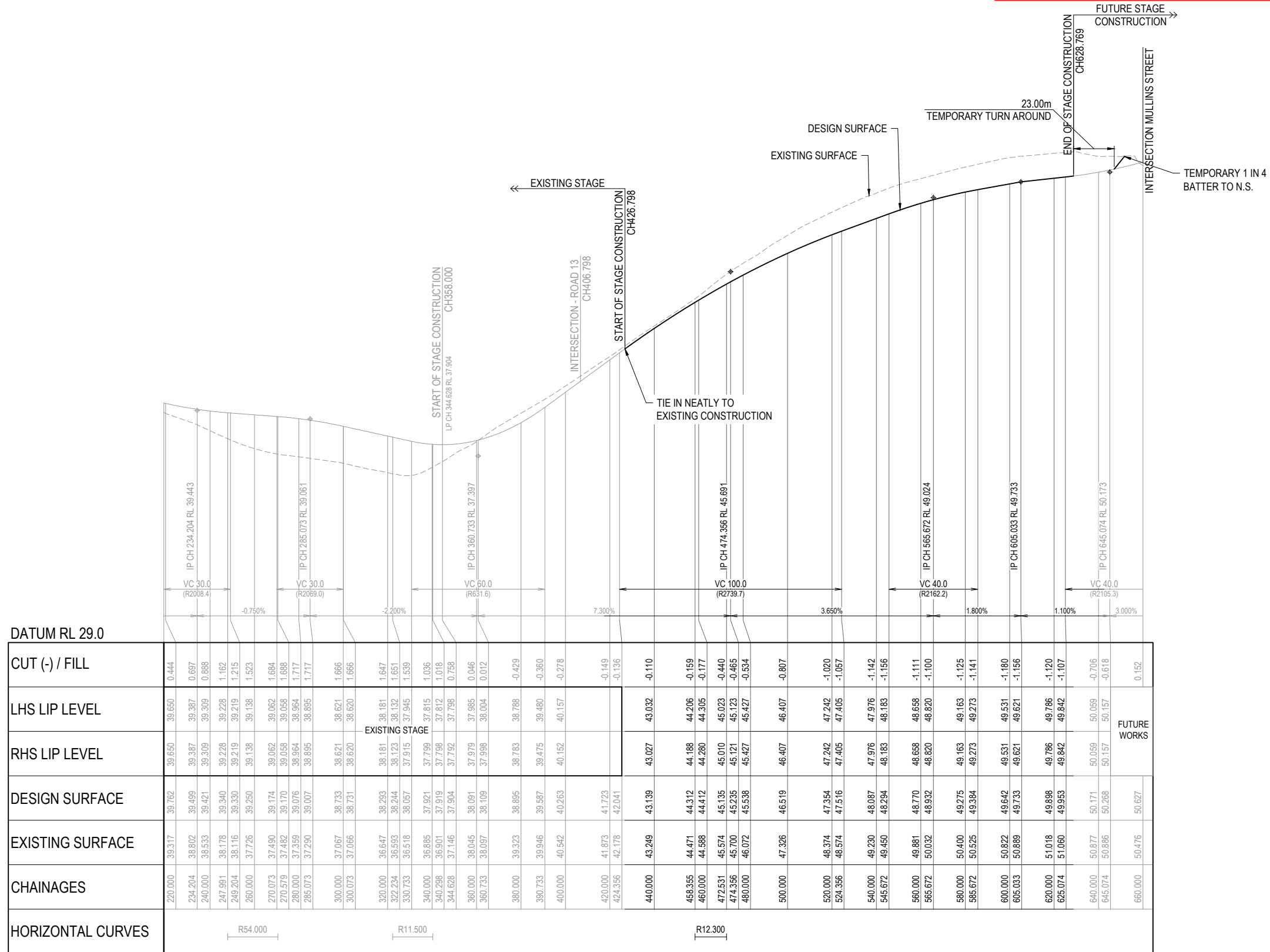
ROAD	ROAD CLASSIFICATION	DESIGN ESAS	ASSUMED CBR	SURFACING	BASE	SUB BASE	LOWER SUB BASE	TOTAL DEPTH
ROAD 12	ACCESS STREET	1.0 x 10 ⁵	3	35mm	125mm	100mm	160mm	420mm

NOTE: THIS PAVEMENT DESIGN IS PRELIMINARY ONLY BASED ON AN ASSUMED CBR. THE CONTRACTOR SHALL SUPPLY THE SUPERINTENDENT WITH SUBGRADE TEST RESULTS NECESSARY FOR FINAL PAVEMENT DESIGN

PAVEMENT DESIGN SUBJECT TO COUNCIL APPROVAL FOLLOWING INSITU CBR TESTING.

AS-CONSTRUCTED PAVEMENT DETAILS

LOCATION	SECTION	ESA	DESIGN CBR	TOTAL PAVEMENT DEPTH	A C	BASE COURSE TYPE (2.1)	UPPER SUB-BASE TYPE (2.3)	LOWER SUB-BASE TYPE (2.5)	SUBGRADE TREATMENT
JOHN DRIVE	CH426.798 - CH480	1.0x10 ⁵ ACCESS STREET	4.0%	380mm	35mm	125mm	100mm	120mm	-
JOHN DRIVE	CH480 - CH628.769	1.0x10 ⁵ ACCESS STREET	3.5%	400mm	35mm	125mm	100mm	140mm	-

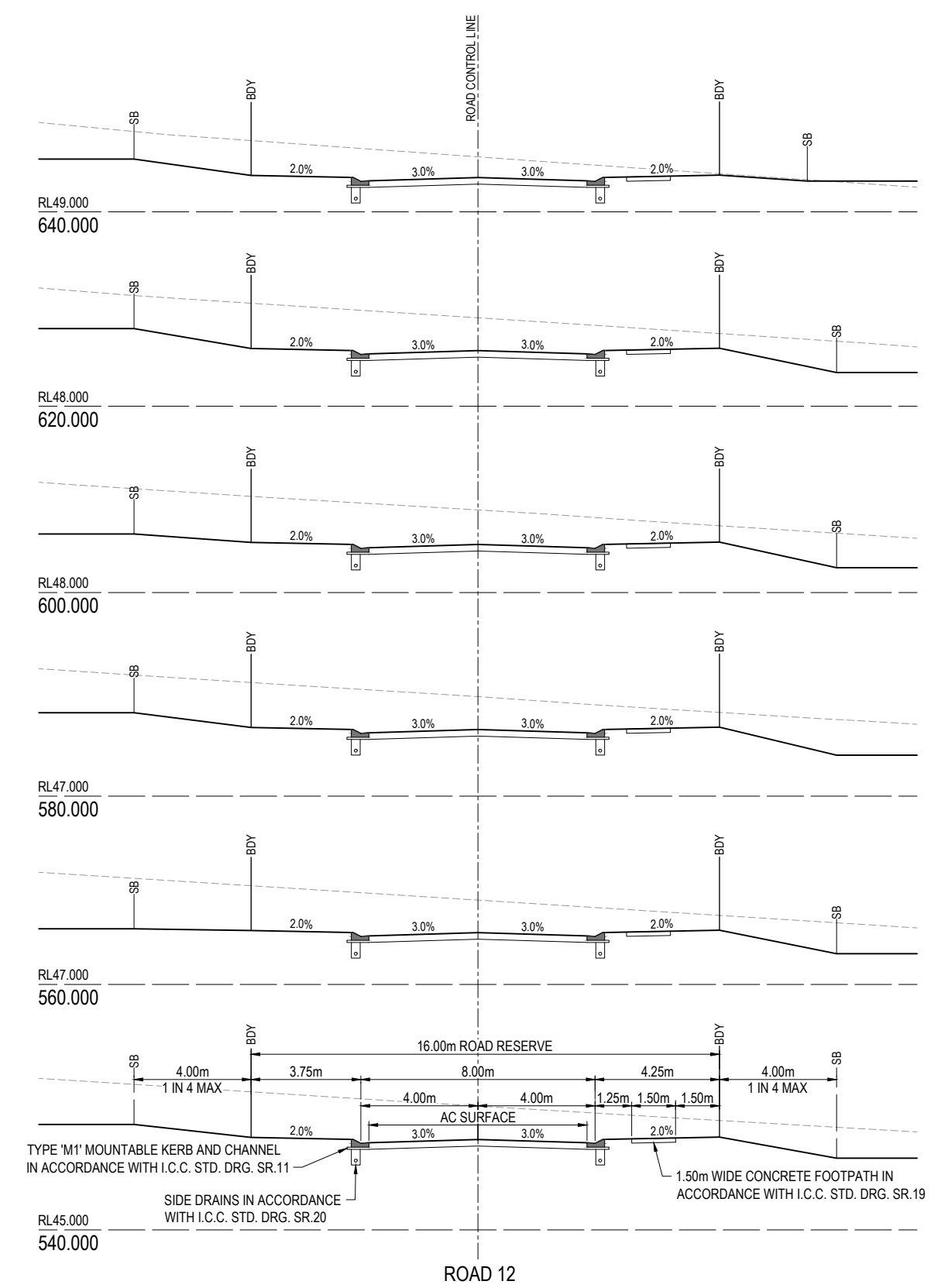
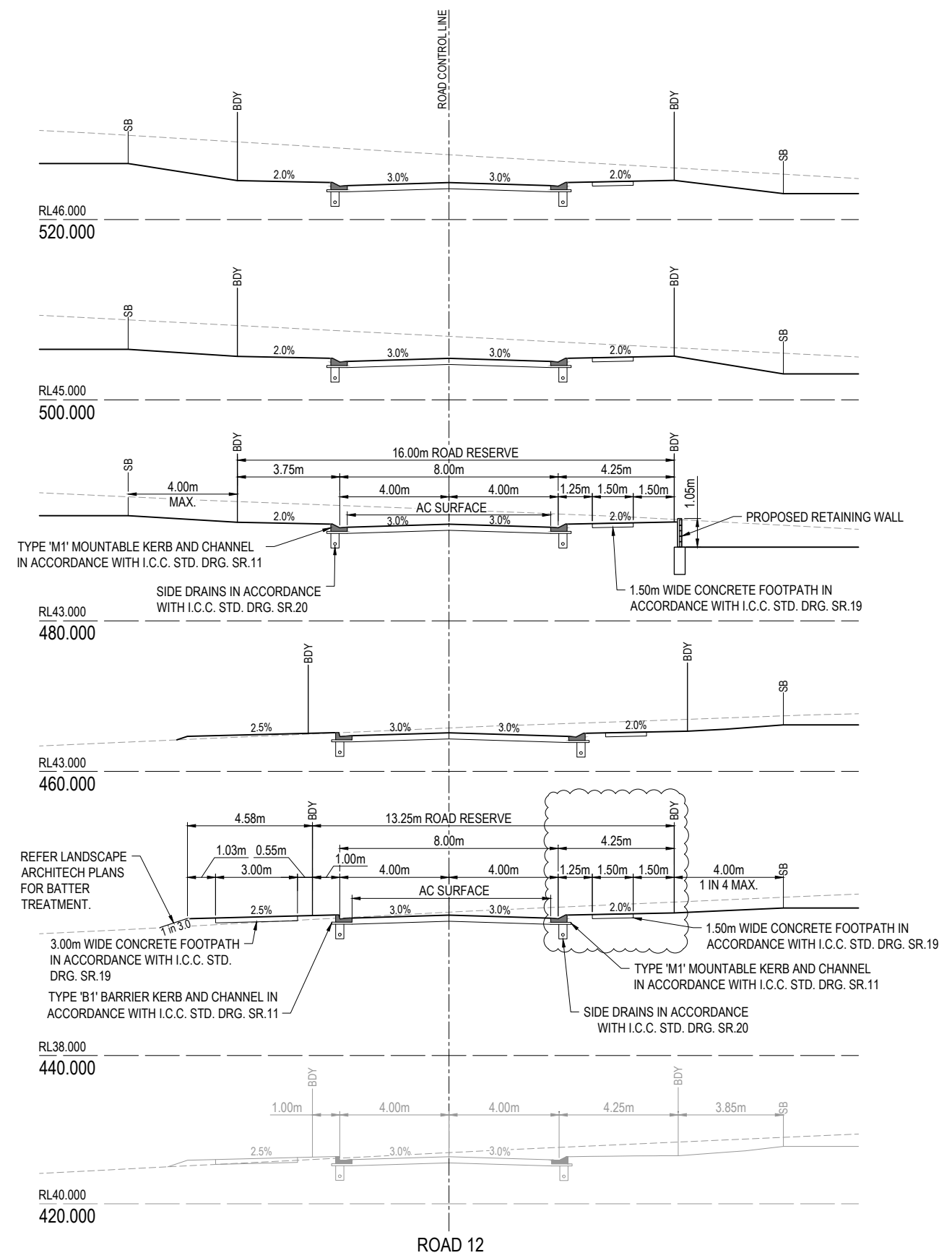


ROAD 12

AS-CONSTRUCTED CERTIFICATION
 Signature: _____ Date: 08/08/25
 DANIEL COLLINS RPEQ No. 18631
 For and on behalf of Colliers International engineering & design pty ltd

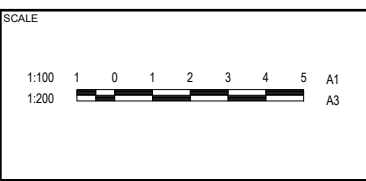
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AS-CONSTRUCTED CERTIFICATION
 Signature:  Date: 08/08/25
 DANIEL COLLINS RPEQ No. 18631
 For and on behalf of Colliers International engineering & design pty ltd



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DRAWN	STATUS	DATE
	AS CONSTRUCTED	
DESIGN	APPROVED	02.08.24



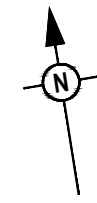
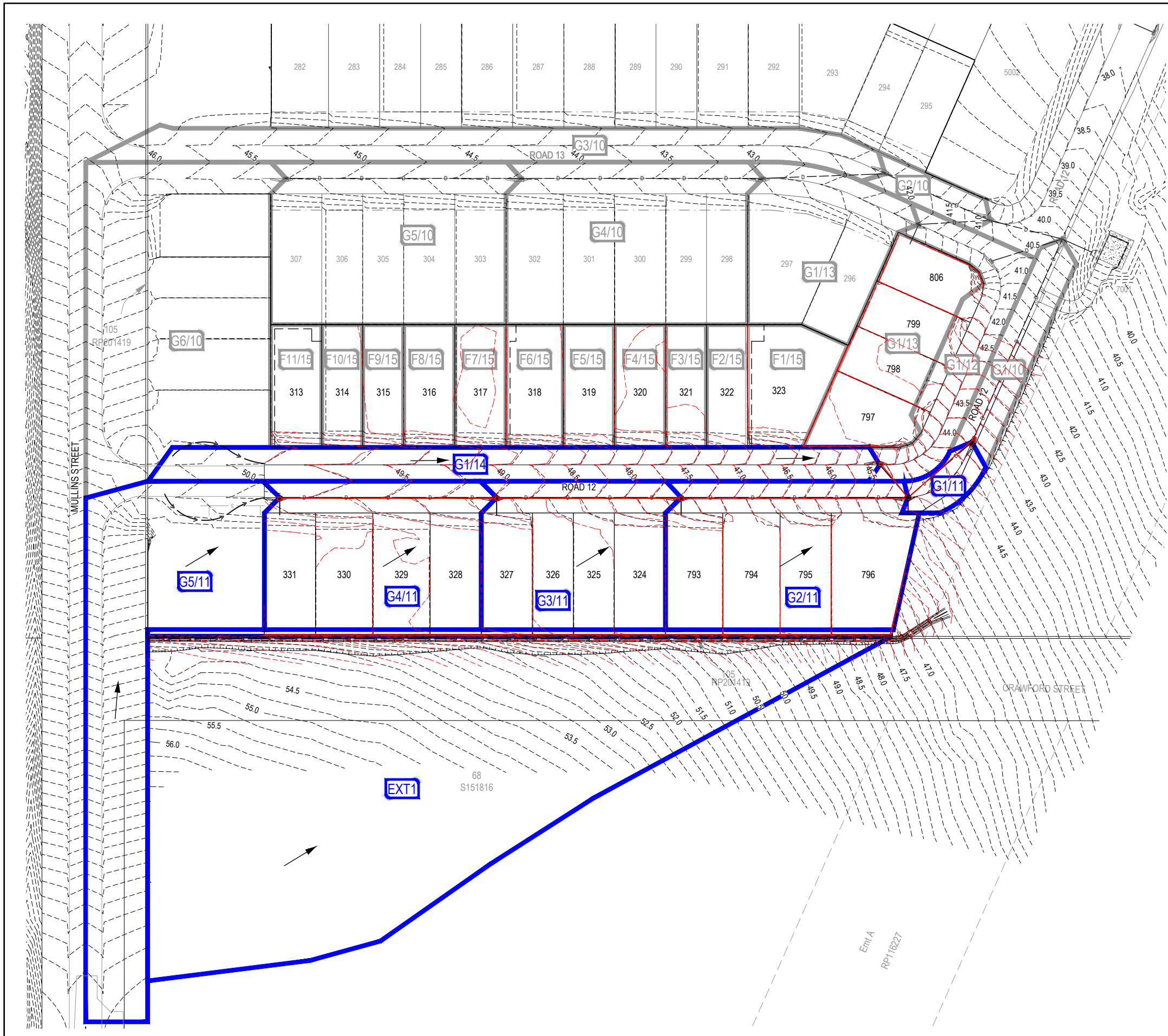
CLIENT
CANBERRA ESTATES CONSORTIUM NO. 36 PTY LIMITED

ASSOCIATED CONSULTANT
 SAUNDERS HAVILL GROUP
 1300 123 744

PROJECT NAME
WOODLINKS VILLAGE - STAGE 13

COOLINGWOOD DRIVE
 COOLINGWOOD PARK

DRAWING TITLE		
ROAD 12 CROSS SECTIONS		
PROJECT No.	DRAWING No.	REVISION
24-0051	108	3



LEGEND

- 1 CATCHMENT NAME
- CATCHMENT BOUNDARY
- EXISTING STAGE CATCHMENT BOUNDARY
- PROPOSED STORMWATER DRAINAGE PIPE
- EXISTING STORMWATER DRAINAGE PIPE
- PROPOSED ROOFWATER DRAINAGE PIPE
- EXISTING ROOFWATER DRAINAGE PIPE
- PROPOSED SWALE DRAIN
- EXISTING SWALE DRAIN
- FINISHED SURFACE CONTOUR
- CATCHMENT FLOW DIRECTION ARROW

CATCHMENT TABLE

CATCHMENT NAME	CATCHMENT AREA (ha)	RUNOFF COEFF MINOR	RUNOFF COEFF MAJOR	IMPERVIOUS CATCHMENT AREA MINOR (ha)	IMPERVIOUS CATCHMENT AREA MAJOR (ha)
G5/11	0.302	0.72	1	0.217	0.302
G4/11	0.192	0.72	1	0.138	0.192
G3/11	0.163	0.72	1	0.117	0.163
G2/11	0.212	0.72	1	0.152	0.212
G1/11	0.02	0.73	1	0.014	0.02
G1/14	0.144	0.73	1	0.105	0.144

ASCEN LEGEND

- AS CONSTRUCTED CONTOUR
- STORMWATER DRAINAGE PIPE
- STORMWATER MANHOLE
- STORMWATER PIT

AS-CONSTRUCTED CERTIFICATION

Signature: Date: 08/08/25

DANIEL COLLINS RPEQ No. 18631

For and on behalf of Colliers International engineering & design pty ltd

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DRAWN	STATUS
	AS CONSTRUCTED
DESIGN	APPROVED
	DATE: 02.08.24



SCALE

1:500 10 5 0 10 20 A1

1:1000

CLIENT

**CANBERRA ESTATES
CONSORTIUM NO. 36 PTY
LIMITED**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP
1300 123 744

PROJECT NAME

WOODLINKS VILLAGE - STAGE 13

COOLINGWOOD DRIVE
COOLINGWOOD PARK

DRAWING TITLE

**STORMWATER DRAINAGE
CATCHMENT LAYOUT PLAN**

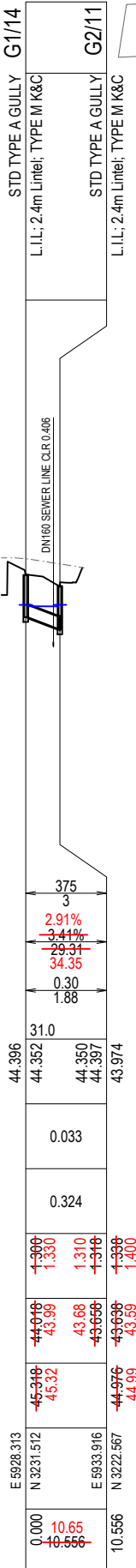
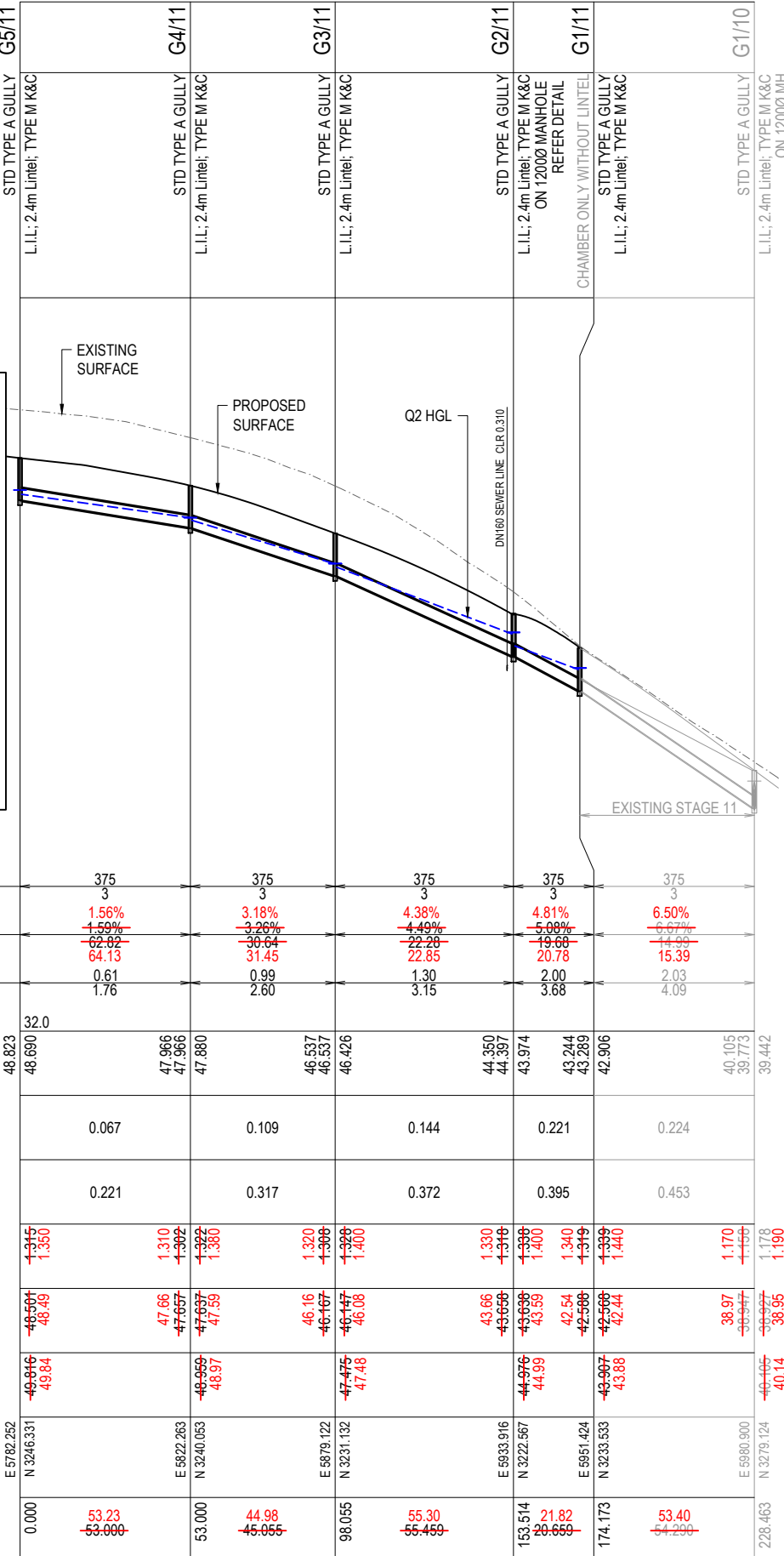
PROJECT No.	DRAWING No.	REVISION
24-0051	110	2

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

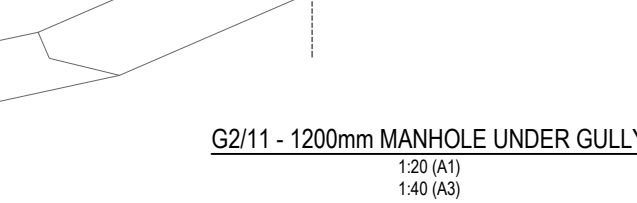
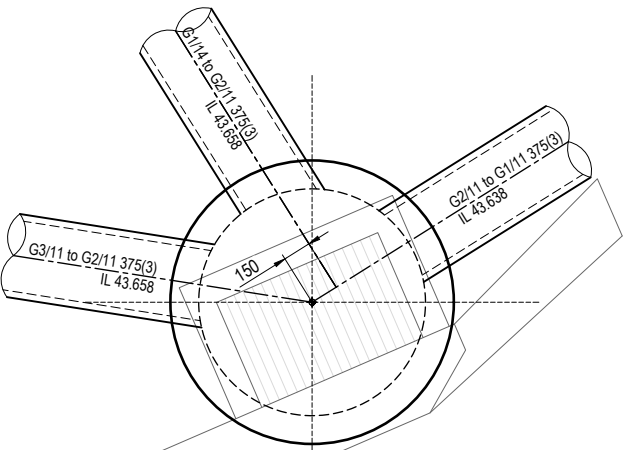
STRUCTURE NAME
STRUCTURE DESCRIPTION

STORMWATER STRUCTURE NOTE:
 STANDARD ROUND MANHOLES LESS THAN 3.0m DEEP:
 CONSTRUCT IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS.
 STANDARD ROUND MANHOLES 3.0m > 5.3m DEEP:
 CONSTRUCT IN ACCORDANCE WITH TMR STD DRAWINGS 1307 AND 1308.
 STANDARD ROUND MANHOLES GREATER THAN 5.3m DEEP:
 SHALL BE STRUCTURALLY DESIGNED (CERTIFIED) AND CONSTRUCTED BY CONTRACTOR ON A CASE BY CASE BASIS.
 ROUND EXTENDED (900mm MAX) MANHOLES:
 CONSTRUCT IN ACCORDANCE WITH PEAK URBAN STD DRAWINGS S-101 & S-102.
 RECTANGULAR STRUCTURE (SPECIAL):
 SHALL BE STRUCTURALLY DESIGNED (CERTIFIED) AND CONSTRUCTED BY CONTRACTOR ON A CASE BY CASE BASIS.

PIPE SIZE (mm)	375	375	375	375	375	375	375	375	375
PIPE CLASS	3	3	3	3	3	3	3	3	3
PIPE GRADE (%)	1.56%	3.18%	4.38%	4.81%	6.50%	2.91%	2.91%	2.91%	2.91%
PIPE SLOPE (1 in X)	1.59%	3.26%	4.49%	5.08%	6.77%	3.41%	3.41%	3.41%	3.41%
PIPE VELOCITY (m/s)	0.61	0.99	1.30	2.00	2.03	0.30	0.30	0.30	0.30
FULL PIPE VELOCITY (m/s)	1.76	2.60	3.15	3.68	4.09	1.88	1.88	1.88	1.88
PART FULL VELOCITY (m/s)									
DATUM RL	32.0								
H.G.L IN PIPE & W.S.E IN STRUCTURE	48.823	47.966	46.537	43.974	40.105	44.396	44.352	44.350	43.974
PIPE FLOW (Cumecs)	0.067	0.109	0.144	0.221	0.224	0.033	0.033	0.033	0.033
PIPE CAPACITY AT GRADE (Cumecs)	0.221	0.317	0.372	0.395	0.453	0.324	0.324	0.324	0.324
DEPTH TO INVERT	1.345	1.310	1.320	1.330	1.330	1.330	1.330	1.330	1.330
INVERT LEVEL OF DRAIN	48.501	47.66	46.16	43.66	38.97	44.046	43.99	43.68	43.68
DESIGN SURFACE LEVEL	49.846	49.99	47.475	44.976	40.14	45.316	45.32	44.976	44.99
SETOUT COORDINATES	E 5782.252	E 5822.263	E 5879.122	E 5933.916	E 5951.424	E 5928.313	E 5933.512	E 5933.916	E 5928.313
RUNNING CHAINAGE	0.000	53.000	98.055	153.514	174.173	228.463	10.556	10.556	10.556



AS-CONSTRUCTED CERTIFICATION
 Signature: Daniel Collins Date: 08/08/25
 DANIEL COLLINS RPEQ No. 18631
 For and on behalf of Colliers International engineering & design pty ltd



STRUCTURE SETOUT REFERENCE POINT		
STRUCTURE TYPE	HORIZONTAL	VERTICAL
MANHOLE	MAIN SHAFT	FINISHED SURFACE LEVEL
GULLY PIT	INTERSECTION OF PIT AND KERB INVERT LINE # (INCLUDING MANHOLES UNDER GULLIES)	KERB INVERT LEVEL
HEADWALL	INTERSECTION OF HEADWALL FACE & PIPE CENTRE LINE	TOP OF HEADWALL

NOTE:
 WITHIN GULLY PIT CHAMBER, CONTRACTOR TO ENSURE STORMWATER PIPES ARE OFFSET AS REQUIRED SO THAT PIPES ENTER WHOLLY WITHIN A SIDE WALL

TYPICAL MANHOLE UNDER GULLY SETOUT - MOUNTABLE K&C - STANDARD TYPE A GULLY
 1:20 (A1)
 1:40 (A3)

NOTE:
 THE CENTRE OF 1050, 1200 & 1350 DIA MANHOLES ARE THE SAME SETOUT POINTS AS THEIR RESPECTIVE GULLY PITS.

<table border="1"> <tr><th>REV</th><th>DATE</th><th>DESIGN</th><th>DRAWN</th><th>ISSUED FOR CONSTRUCTION</th></tr> <tr><td>0</td><td>21.11.24</td><td>CL</td><td>AK</td><td>ISSUED FOR CONSTRUCTION</td></tr> <tr><td>1</td><td>04.04.25</td><td>CL</td><td>AK</td><td>MINOR AMENDMENTS</td></tr> <tr><td>2</td><td>08.08.25</td><td>CL</td><td>BP</td><td>AS CONSTRUCTED</td></tr> </table>	REV	DATE	DESIGN	DRAWN	ISSUED FOR CONSTRUCTION	0	21.11.24	CL	AK	ISSUED FOR CONSTRUCTION	1	04.04.25	CL	AK	MINOR AMENDMENTS	2	08.08.25	CL	BP	AS CONSTRUCTED	<table border="1"> <tr><th>REVISION DETAILS</th><th>DRAWN</th><th>STATUS</th></tr> <tr><td>AS CONSTRUCTED</td><td></td><td>AS CONSTRUCTED</td></tr> </table>	REVISION DETAILS	DRAWN	STATUS	AS CONSTRUCTED		AS CONSTRUCTED		<table border="1"> <tr><th>SCALE</th><th>DETAIL</th><th>HORIZONTAL</th><th>VERTICAL</th></tr> <tr><td>1:20</td><td>0 0.2 0.4 0.6 0.8 1</td><td>10 0 10 20 30 40 50</td><td>2 1 0 2 4</td></tr> <tr><td>1:40</td><td></td><td></td><td></td></tr> <tr><td>1:1000</td><td></td><td></td><td></td></tr> <tr><td>1:2000</td><td></td><td></td><td></td></tr> <tr><td>1:100</td><td></td><td></td><td></td></tr> <tr><td>1:200</td><td></td><td></td><td></td></tr> </table>	SCALE	DETAIL	HORIZONTAL	VERTICAL	1:20	0 0.2 0.4 0.6 0.8 1	10 0 10 20 30 40 50	2 1 0 2 4	1:40				1:1000				1:2000				1:100				1:200				<table border="1"> <tr><th>CLIENT</th><td>CANBERRA ESTATES CONSORTIUM NO. 36 PTY LIMITED</td></tr> <tr><th>ASSOCIATED CONSULTANT</th><td>SAUNDERS HAVILL GROUP 1300 123 744</td></tr> </table>	CLIENT	CANBERRA ESTATES CONSORTIUM NO. 36 PTY LIMITED	ASSOCIATED CONSULTANT	SAUNDERS HAVILL GROUP 1300 123 744	<table border="1"> <tr><th>PROJECT NAME</th><td>WOODLINKS VILLAGE - STAGE 13</td></tr> <tr><th>PROJECT No.</th><td>24-0051</td></tr> <tr><th>DRAWING No.</th><td>111</td></tr> <tr><th>REVISION</th><td>2</td></tr> </table>	PROJECT NAME	WOODLINKS VILLAGE - STAGE 13	PROJECT No.	24-0051	DRAWING No.	111	REVISION	2	<table border="1"> <tr><th>DRAWING TITLE</th><td>STORMWATER DRAINAGE LONGITUDINAL SECTIONS</td></tr> <tr><th>PROJECT No.</th><td>24-0051</td></tr> <tr><th>DRAWING No.</th><td>111</td></tr> <tr><th>REVISION</th><td>2</td></tr> </table>	DRAWING TITLE	STORMWATER DRAINAGE LONGITUDINAL SECTIONS	PROJECT No.	24-0051	DRAWING No.	111	REVISION	2
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Woodlinks Stage 13

7001 Collingwood Dr Collingwood Park QLD

NBN Co PIT AND PIPE DESIGN

Pit types

Type	Symbol	Description
P2		Service Drop Access Pit (650mmX280mmX565mm)
P5		Network Boundary/Local Network Pit (Single Lid) (700mmX450mmX650mm)
P6		Distribution/Local Network Connection Pit (Dual Lid) (1360mmX555mmX650mm)
P8		Distribution/Local Network Connection Pit (Dual Lid) (1360mmX555mmX860mm)
P9		Fibre Distribution Hub (FDH) Pit (2000mmX555mmX900mm)
Manhole		Distribution Network manhole (2600mmX1240mmX1490mm)

Conduit depths and cover

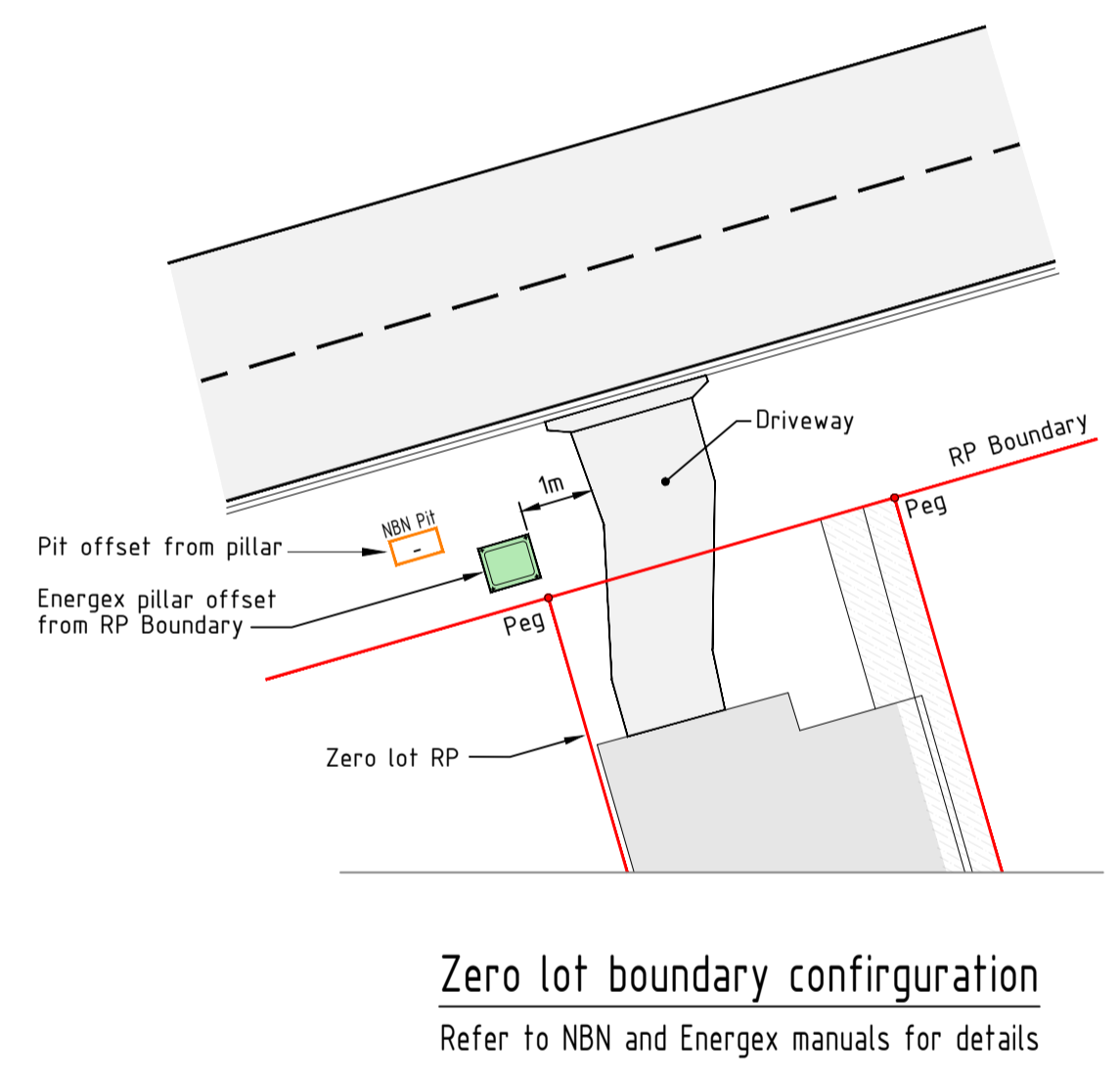
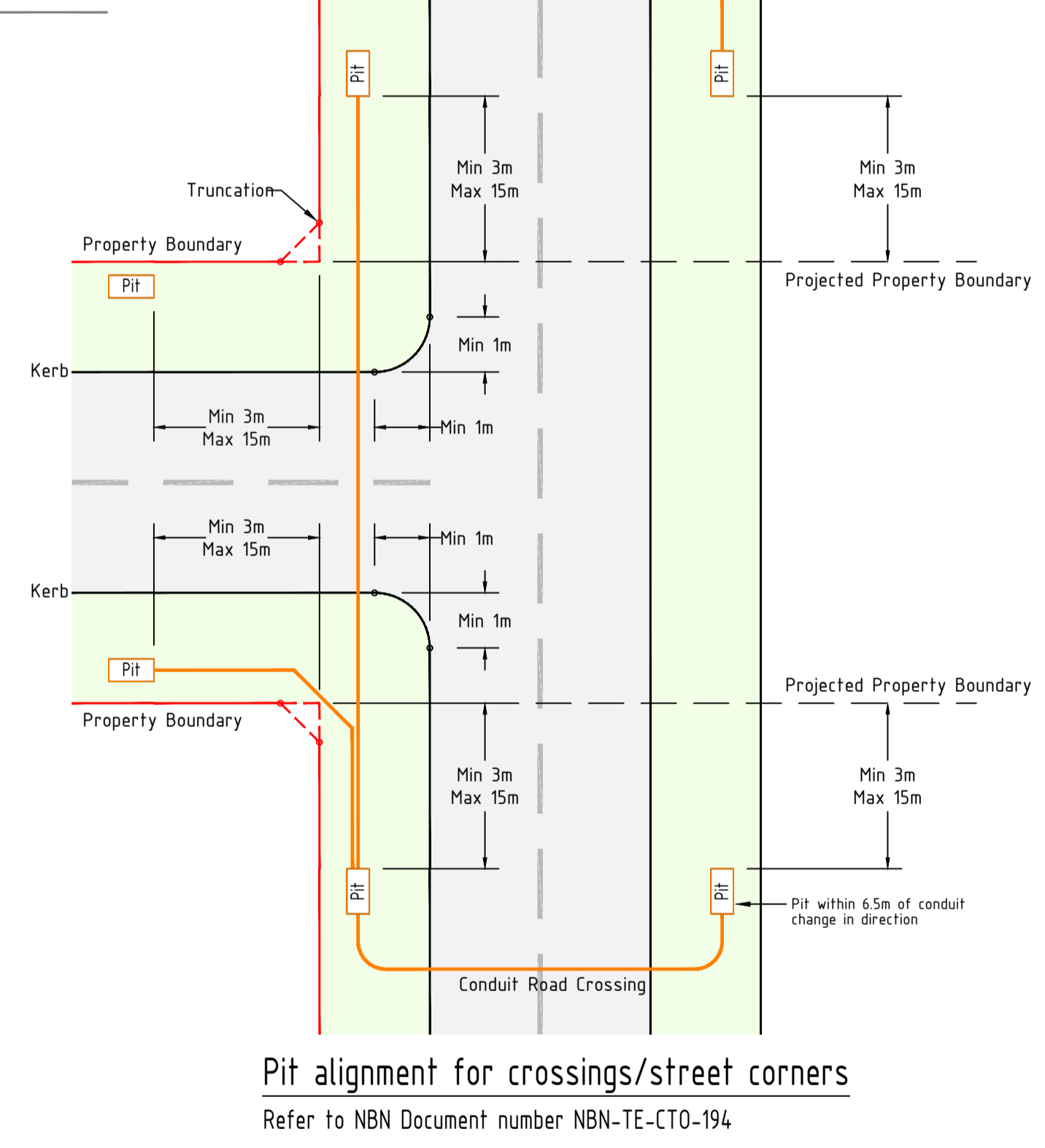
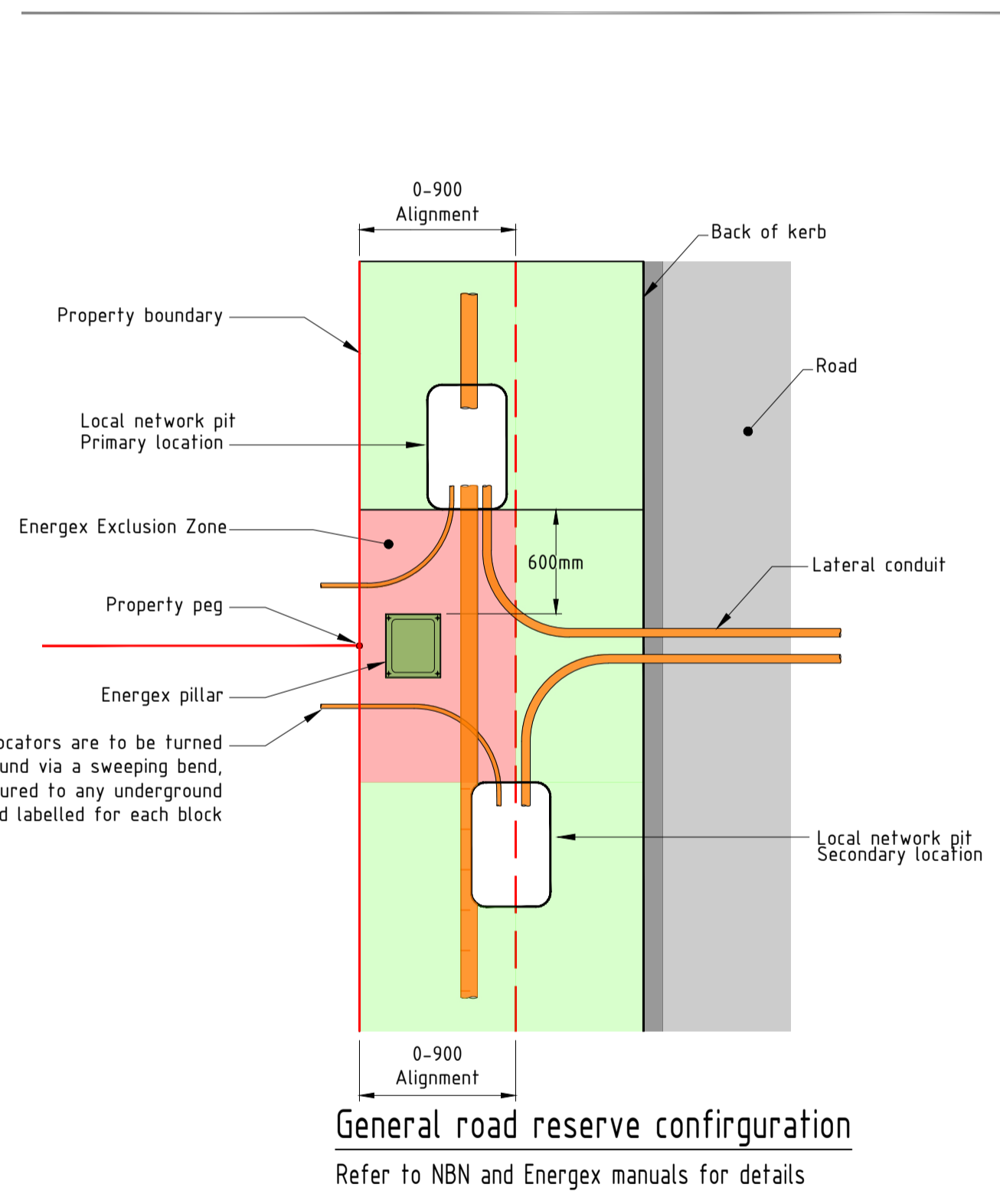
Location	Minimum Cover
Service Drop conduit - less than 3m from Pit to Boundary	300 mm
Service Drop conduit - more than 3m from Pit to Boundary	450 mm
Verge (walkways, footpaths)	450 mm
Road (non-state or territory)	600 mm
Road crossing	800 mm to 1200mm (typically)

Clearances from other carriers and services

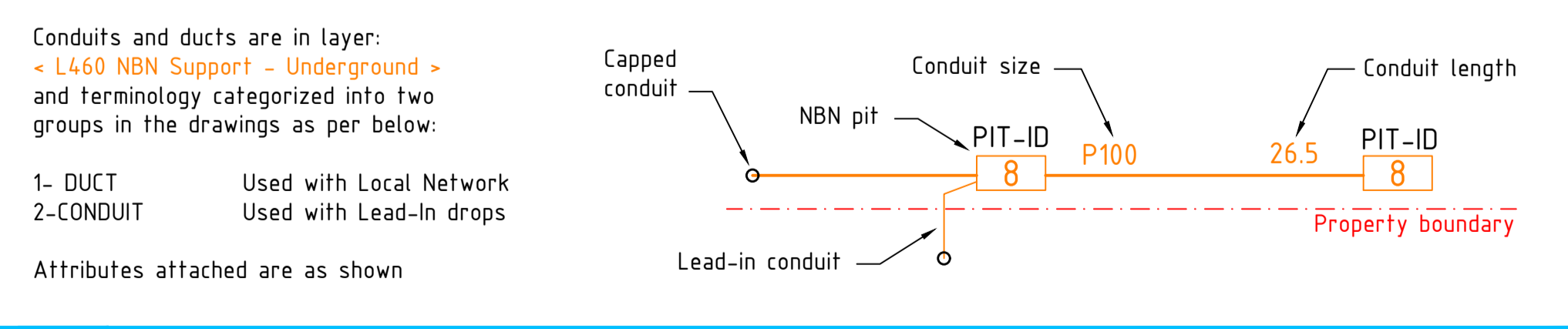
Service item	Minimum radial clearances*	
Gas pipe	over 110 mm	300 mm
	110 mm or less	150 mm
Power	high voltage	300 mm
	low voltage	100 mm (with protection barrier)
Water mains	high pressure/capacity	300 mm
	local reticulation	150 mm
Sewer	main	300 mm
	connection pipe	150 mm
Other Telecommunications	100 mm without reduced separation agreement	

General Notes

- NBN conduits supplied and installed by telecommunication contractor. Trenching and backfilling by electrical contractor. Telecommunication contractor to confirm location of trench prior to installing conduits and co-ordinate location of conduits within the trench with other services.
- Civil contractor to install 'c' markers. 'c' markers required for all points where conduit passes under roads or driveways.
- Spacing between NBN conduits and other services to be as per NBN Co: installing pit and conduit infrastructure- guidelines for developers manual section 4.
- NBN Co conduit must be installed on shared trench with electrical otherwise stated.
- Pit shall be positioned a minimum of 600mm distance from electrical pillar.
- Pit shall be installed 3m minimum from any pole and 5m from back of kerb at an intersection.
- 100mm and 50mm nominal diameter conduits are detailed in as/nzs 1477:2006 table 4.2(a) for wall thickness tabled under pn9 nominal sizes (n) 20, 50 and 100mm. All conduits shall meet the minimum requirements of as/acif s008:2006 (requirements for customer cabling) and acif c524:2004 (external telecommunication networks).
- All conduit bends shall be prefabricated. combinations of bends with angles of 15°, 22.5° and 30° should be used to changed the direction.
- Service drop conduit:
 - For single dwelling units (sdu) the service drop conduit will be 20mm (nominal id) pvc conduit.
 - For multiple dwelling units (sdu) the service drop conduit will be 50mm (nominal id) pvc conduit.
- It is the contractors responsibility to locate existing underground services before excavating. any costs caused by damage to underground services will be paid by the contractor.
- The contractor shall construct as per new development: deployment of the nbn co conduit and pit network - guidelines for developers. document number: NBN-TE-CTO-194.
- Developer's contractor to lay the conduit next to the existing Telstra but not terminate. NBN will terminate the NBN network into Telstra's network at the later stage.
- The P20 conduits across the road are to be tested to ensure they are clear and fitted with a wear cord.
- Refer to NBN Co pit and pipe network guideline section 5.2.10 for minimum depth and corner of conduit.
- Contractor should ensure that adequate clearances are provided between NBN assets and electrical assets. If pits cannot be placed in the electrical alignment due to clearances they are to be installed within the comms alignment. Refer to NBN and local council construction standards to confirm alignments.



Conduit Configuration Legend



Conduit dimensions white telecommunications	Nominal Size (Inside Diameter)	Conduit dimensions white telecommunications	Nominal Size (Inside Diameter)	Conduit dimensions white telecommunications	Nominal Size (Inside Diameter)
	20 mm PN 12 AS/NZS 1477:2006 table 4.2(A)		50 mm PN 12 ASPN 12 A S/NZS 1477:2006 table 4.2(A)		100 mm PN 9 AS/NZS 1477:2006 table 4.2(A)

FOR CONSTRUCTION

REV	DATE	DRAFTER	DESCRIPTION	APPROVED
-	-	-	-	-
D	22.11.24	GW	ISSUE FOR CONSTRUCTION	JB
C	11.10.24	GW	REVISED TO SUIT CLIENT COMMENTS	JB
B	23.09.24	GW	REVISED LEAD-IN CONDUITS	JB
A	17.09.24	GW	PRELIMINARY ISSUE	JB

SAFETY FIRST
SAFETY STARTS WITH YOU

DANGER LASER BEAM
EYE PROTECTION MUST BE WORN

DO NOT CONSTRUCT DRIVEWAYS/CROSSOVERS UNTIL ELECTRICAL WORKS ARE COMPLETED

THE LOCATION OF OTHER AUTHORITIES SERVICES WHICH MAY AFFECT THIS WORK HAVE NOT BEEN OBTAINED BY THE ESTIMATOR. CONTRACTOR TO OBTAIN SERVICE INFORMATION BEFORE COMMENCING

CONTRACTOR TO SUBMIT AS-BUILT DESIGNS TO AMPFLO comms@ampflo.com.au TO BE PROCESSED BY NBN

STRICTLY CONFIDENTIAL

NBNCO APPROVAL RECORD:

DD _____ DATE _____
WD _____
AB _____

NBNCO DISCLAIMER:
THIS DOCUMENT HAS BEEN PREPARED SOLELY FOR THE USE OF NBNCO LIMITED (ABN 86 136 533 741) FOR USE IN MAINTAINING NBNCO FACILITIES. IT HAS NOT BEEN CREATED FOR ANY OTHER USE. IT SHOULD NOT BE SCALED TO LOCATE NBNCO ASSETS. NO WARRANTY IS GIVEN THAT THE INFORMATION IS ACCURATE OR COMPLETE.

ECAAS
ISO 9001 CERTIFIED QUALITY MANAGEMENT

Australia's broadband network

ampflo
Electrical and Telecommunications Consultants
07 3372 9280
comms@ampflo.com.au

KEY PLAN

DRAWING TITLE: Woodlinks Stage 13 7001 Collingwood Dr Collingwood Park QLD NBN Co PIT AND PIPE DESIGN			
STATE: QLD	SAM: -	REGION: MGA56	ADA: -
FSA: -	SAM: -	ADA: -	
PROJECT No: STG-			
CADREF No: 241660			
SCALE: N/A	SHEET No: 1 OF 2	REV: D	



Rod & Roping - 311 Mtrs

BILL OF MATERIAL				
NO OF LOTS: 27 ✓				
PITS		DUCTS		
SIZE	QTY	SIZE	QTY	MTRS
2	3	P100	10	235
5	7	P50	4	76
6	2	P20	27	137
8	0			
9	0			
TOTAL NUMBER OF PITS: 12 ✓				
TOTAL NUMBER OF MANHOLES: 0				
TOTAL NUMBER OF CONDUITS: 41				
TOTAL LENGTH OF CONDUITS: 448				

Sullivan Underground Services

AS CON
2 May 2025

Scott Smith

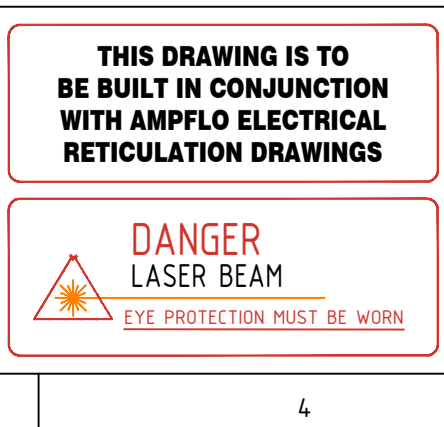
SDU Development Information

Development Name: Woodlinks Stage 13	
Developer Company: Canberra Estates Consortium No 36 Pty Ltd	
Development Address: 7001 Collingwood Dr Collingwood Park QLD	
Authorised Rep: Ampflo Pty Ltd	
Phone: 07 3382 9720	
E-Mail: comms@ampflo.com.au	
nbn Reference Number: STG-	Stage Number: 13
	Design Revision: 0

FOR CONSTRUCTION

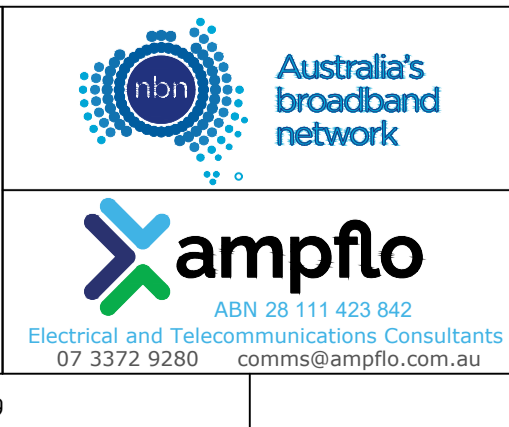
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D	22.11.24	GW	ISSUE FOR CONSTRUCTION	JB
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SAFETY FIRST
SAFETY STARTS WITH YOU



ATTENTION
DO NOT CHANGE OR ALTER JOB SPECIFICATIONS UNLESS FIRST CHECKING WITH DESIGNER

CONTRACTOR TO SUBMIT AS-BUILT DESIGNS TO AMPFLO
comms@ampflo.com.au
TO BE PROCESSED BY NBN



KEY PLAN

DRAWING TITLE: Woodlinks Stage 13 7001 Collingwood Dr Collingwood Park QLD NBN Co PIT AND PIPE DESIGN			
STATE: QLD	SAM: -	REGION: MGA56	ADA: -
PROJECT No: STG-	CADREF No: 241660	SCALE: 1:250	SHEET No: 2 OF 2
REV: D			

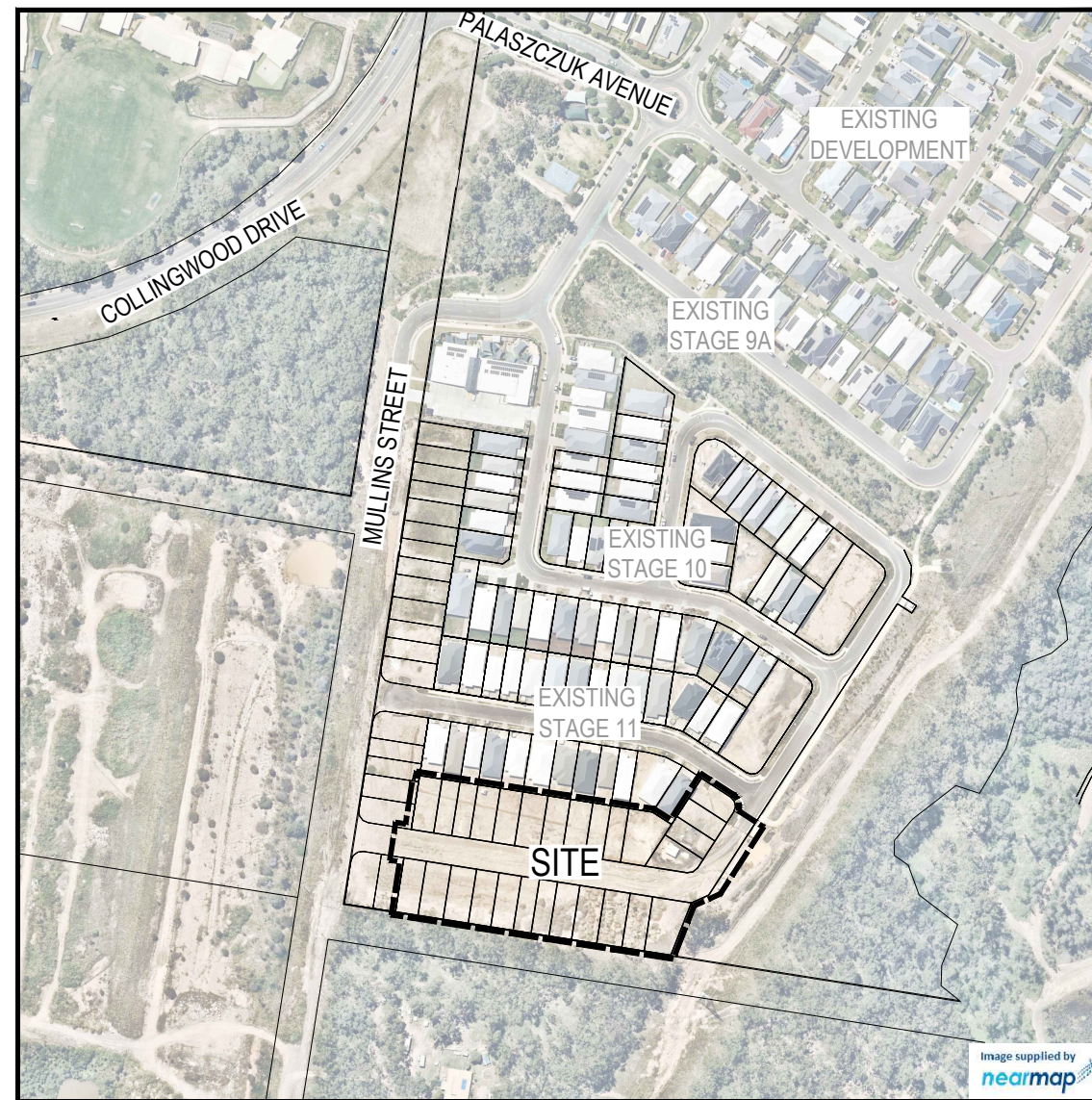
WOODLINKS VILLAGE STAGE 13

COOLINGWOOD DRIVE, COOLINGWOOD PARK

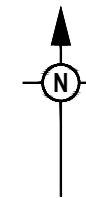
FOR 'CANBERRA ESTATES CONSORTIUM NO. 36 PTY LIMITED'

SEWERAGE AND WATER RETICULATION

- 24-0051-300 SEWERAGE AND WATER RETICULATION COVER PLAN
- 24-0051-301 SEWERAGE AND WATER RETICULATION GENERAL NOTES
- 24-0051-302 SEWERAGE AND WATER RETICULATION LIVE WORKS DETAILS
- 24-0051-303 SEWERAGE LAYOUT PLAN
- 24-0051-304 SEWERAGE LONGITUDINAL SECTION
- 24-0051-305 WATER RETICULATION LAYOUT PLAN
- 24-0051-306 FIRE HYDRANT REACH LAYOUT PLAN



LOCALITY PLAN
SCALE 1:2000 (A1)
SCALE 1:4000 (A3)



ESTATE/STAGE	WOODLINKS VILLAGE STAGE 13
CLIENT	CANBERRA ESTATES CONSORTIUM NO.36 PTY LIMITED
URBAN UTILITIES APPLICATION No.	24-PNT-73876
URBAN UTILITIES APPROVAL DATE	22/11/24
No. OF ALLOTMENTS	27 LOT

ASSET REGISTER - SEWERAGE					
MAINS	DIAMETER	MATERIAL		LENGTH	
		DESIGN	CONST	DESIGN	CONST
		DN110	PE100 PN16	-	-36m
DN160	PE100 PN16	-	-202m	219m	

ASSET REGISTER - WATER RETICULATION					
MAINS	DIAMETER	MATERIAL		LENGTH	
		DESIGN	CONST	DESIGN	CONST
		DN125	PE100 PN16	-	-
DN180	PE100 PN16	-	-195m	194m	

SERVICES	DIAMETER	MATERIAL		LENGTH	
		DESIGN	CONST	DESIGN	CONST
	DN25	PE100 PN16	-	-38	34m
	DN32	PE100 PN16	-	-22m	33m
DN40	PE100 PN16	-	-95	73m	

METERS	DIAMETER	MATERIAL		NUMBER	
		DESIGN	CONST	DESIGN	CONST
		200	PE100 PN16	-	-26
250	PE100 PN16	-	-	-	
320	PE100 PN16	-	-	-	

WATER SERVICE DETAILS		
NO	SIZE	LOT NUMBERS
14	DN25 PE100	313 TO 323 AND 797 AND 799
12	DN32 PE100 ○	324 TO 331 AND 793 TO 796
-	DN40 PE100 △	ROAD CROSSING SERVICE

ENGINEER'S CERTIFICATION
I, Dan Collins, hereby certify that:
1. The information contained in this drawing / document is in compliance with approved drawings and design.
2. The new water and sewerage works defined by this drawing have been designed and constructed in accordance with the SEQ code.
3. This generally represents an accurate record of as-constructed works
4. I accept responsibility for the information contained in this drawing / document.

----- RPEQ (signature) RPEQ No. 18631 Date: 01/08/25

URBAN UTILITIES REF. NUMBER : 24-PNT-73876

REV	DATE	DESIGN	DRAWN	ISSUED FOR CONSTRUCTION	REVISION DETAILS	DRAWN	STATUS	SCALE	CLIENT	PROJECT NAME	DRAWING TITLE
0	22.11.24	CL	AK	ISSUED FOR CONSTRUCTION			AS CONSTRUCTED	1:2000 20 0 20 40 60 80 100 A1	CANBERRA ESTATES CONSORTIUM NO. 36 PTY LIMITED	WOODLINKS VILLAGE - STAGE 13	SEWERAGE AND WATER RETICULATION COVER PLAN
1	04.04.25	CL	AK	MINOR AMENDMENTS				1:4000	SAUNDERS HAVILL GROUP 1300 123 744	COOLINGWOOD DRIVE COOLINGWOOD PARK	PROJECT No. 24-0051 DRAWING No. 300 REVISION 2
2	01.08.25	CL	BP	AS CONSTRUCTED							
				APPROVED	DANIEL COLLINS	RPEQ 18631	DATE 10.06.25	FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD			

GENERAL NOTES:

- THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIALS, PLANT AND EQUIPMENT TO CONSTRUCT THE WORKS AS DOCUMENTED AND STRICTLY IN ACCORDANCE WITH THE RELEVANT AUTHORITY STANDARDS, SPECIFICATIONS AND REQUIREMENTS.
- EXISTING SERVICES RELEVANT TO THE PROJECT HAVE BEEN CONSIDERED THROUGHOUT DESIGN AND IS BASED ON SURVEY INFORMATION PROVIDED BY THE SURVEYOR AND THE CONTRACTOR. THE RPEQ WHO CERTIFIED THE DESIGN OR THE PRINCIPAL'S CONSTRUCTION RPEQ HAVE RELIED UPON THIS INFORMATION TO INFORM THE DESIGN. THE CONTRACTOR SHALL VERIFY THE POSITION OF ANY UNDERGROUND SERVICES WITHIN THE AREAS OF WORKS AND SHALL BE RESPONSIBLE FOR MAKING GOOD ANY DAMAGE THERETO. ANY ALTERATION WORKS TO SERVICES WILL BE CARRIED OUT ONLY BY THE SERVICE OWNER AUTHORITY UNLESS APPROVED OTHERWISE.
- ALL DESIGN AND CONSTRUCTION ACTIVITIES UNDERTAKEN SHALL COMPLY WITH CURRENT WORKPLACE HEALTH AND SAFETY REQUIREMENTS AND LEGISLATION.
- PRIOR TO COMMENCING WORK, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL RELEVANT LOCAL AUTHORITY PERMITS.
- THE CONTRACTOR SHALL NOT COMMENCE THE DEMOLITION OF ANY EXISTING BUILDINGS AND/OR STRUCTURES WITHOUT APPROVAL FROM THE SUPERINTENDENT.
- THE CONTRACTOR SHALL APPLY INDUSTRY BEST PRACTICE SO WORKS SHALL NOT DISTURB OR AFFECT NEARBY RESIDENTS EITHER BY DUST, NOISE, FLOODING OR DISCONNECTION OF SERVICES. CONTRACTOR TO ENSURE THAT ACCESS AND SERVICES TO EXISTING PROPERTIES ARE AVAILABLE AT ALL TIMES.
- THE CERTIFICATION OF THIS DESIGN IS BASED ON SURVEY AND POTHOLE INFORMATION PROVIDED BY THE SURVEYOR AND/OR CONTRACTOR AT THE TIME OF DESIGN. PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR SHALL VERIFY LEVELS OF EXISTING SERVICE CROSSINGS AND CONNECTION POINTS AND NOTIFY THE RPEQ WHO CERTIFIED THE DESIGN OR THE PRINCIPAL'S CONSTRUCTION RPEQ OF ANY DISCREPANCIES BETWEEN ACTUAL AND PROPOSED DESIGN LEVELS. THE CERTIFICATION OF THIS DESIGN IS BASED ON SURVEY AND POTHOLE INFORMATION PROVIDED BY THE SURVEYOR AND CONTRACTOR AT THE TIME OF DESIGN.
- HOLD POINT:** ONCE THE BASE OF MANHOLES HAVE BEEN POURED, CONSTRUCTION SHALL ONLY RE-COMMENCE ONCE THE SUPERINTENDENT AND/OR ENGINEER HAVE INSPECTED THE WORKS.
- THE CONTRACTOR SHALL NOTE DURING THE COURSE OF THE WORKS WHEN JOINT INSPECTIONS WITH THE AUTHORITY AND THE SUPERINTENDENT ARE REQUIRED. THESE INCLUDE PRE-STARTS, SUBGRADES, PRE-SEALS, CLEARING, AND OTHER SUCH INSPECTIONS AS NOMINATED DURING THE PRE-START, IN THE APPROVAL AND THE SPECIFICATIONS. THE CONTRACTOR SHALL ENSURE NO WORKS PROCEED PAST THE INSPECTION POINT UNTIL THE JOINT INSPECTION HAS BEEN SUCCESSFULLY COMPLETED.
- THE CONTRACTOR SHALL VERIFY LEVELS OF EXISTING SERVICE CROSSINGS AND CONNECTION POINTS PRIOR TO COMMENCEMENT OF WORKS AND NOTIFY THE RPEQ WHO CERTIFIED THE DESIGN OR THE PRINCIPAL'S CONSTRUCTION RPEQ OF ANY DISCREPANCIES BETWEEN ACTUAL AND PROPOSED DESIGN LEVELS. THE CERTIFICATION OF THIS DESIGN IS BASED ON SURVEY AND POTHOLE INFORMATION PROVIDED BY THE SURVEYOR AND CONTRACTOR AT THE TIME OF DESIGN.
- THESE ENGINEERING DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE APPROVED VEGETATION MANAGEMENT PLAN, WHERE APPLICABLE. WHEN IN DOUBT, ALL EXISTING TREES ARE TO REMAIN UNLESS DIRECTED OTHERWISE.

ENGINEER'S CERTIFICATION

- I, Dan Collins, hereby certify that:
- The information contained in this drawing / document is in compliance with approved drawings and design.
 - The new water and sewerage works defined by this drawing have been designed and constructed in accordance with the SEQ code.
 - This generally represents an accurate record of as-constructed works
 - I accept responsibility for the information contained in this drawing / document.

RPEQ (signature) RPEQ No. 18631 Date: 01/08/25

ENVIRONMENTAL CONDITIONS

VEGETATION PROTECTION

- TREES LOCATED ALONG THE FOOTPATH SHALL BE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
- WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GIRDLES SHALL BE CONSTRUCTED WITH 1.8m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES SHALL BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
- TREE ROOTS SHALL BE TUNNELED UNDER, RATHER THAN SEVERED. IF ROOTS ARE SEVERED THE DAMAGED AREA SHALL BE TREATED WITH A SUITABLE FUNGICIDE. CONTACT RELEVANT COUNCIL ARBORIST FOR FURTHER ADVICE.
- ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST.

CREEK CROSSINGS

- SILTATION CONTROL MEASURES SHALL BE PLACED DOWNSTREAM OF ANY EXCAVATION WORK.
- APPROPRIATE SEDIMENT CONTROLS SHALL BE USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
- NO SOIL SHALL BE STOCKPILED WITHIN 5m OF THE CREEK.

REHABILITATION

- PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS SHALL BE REINSTATED.
- PREDISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED.

SEWERAGE NOTES

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT WSAA GRAVITY SEWERAGE CODE OF AUSTRALIA SPECIFICATIONS AND STANDARD - SOUTH EAST QUEENSLAND SERVICE PROVIDERS EDITION.
- UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
- THE DESIGN HAS BEEN UNDERTAKEN TO COMPLY WITH CURRENT URBAN UTILITIES STANDARDS AND THE WSAA GRAVITY SEWERAGE CODE OF AUSTRALIA SPECIFICATIONS AND STANDARD - SOUTH EAST QUEENSLAND SERVICE PROVIDERS EDITION
- THE CONSTRUCTION OF THE SEWERAGE WORK SHOWN ON THIS DRAWING SHALL BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. SEWERAGE WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT INTO THE URBAN UTILITIES SEWERAGE SYSTEM.
- ALL LIVE WORK SHALL BE UNDERTAKEN BY THE CONTRACTOR IN ACCORDANCE WITH A VALID WORKS PERMIT, UNDER THE SUPERVISION OF URBAN UTILITIES, AT THE DEVELOPER'S COST.
- ALL PIPES AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE "ACCEPTED PRODUCTS AND MATERIALS" LIST, UNLESS APPROVED BY URBAN UTILITIES.
- BENCH MARK AND LEVELS TO AHD.
- WHERE PIPES ARE LAID IN FILL, THE FILLING SHALL BE CARRIED OUT IN LAYERS NOT EXCEEDING 300mm (LOOSE) IN DEPTH AND SHALL BE COMPACTED UNTIL THE COMPACTION IS NOT LESS THAN 95% OF THE MATERIALS MAXIMUM COMPACTION WHEN TESTED IN ACCORDANCE WITH A.S. 1289 (MODIFIED COMPACTION). TESTING SHALL BE CARRIED OUT AFTER EACH ALTERNATE LAYER. IN ALL SUCH CASES APPROVAL OF CONSTRUCTED SEWERS WILL NOT BE ISSUED BY URBAN UTILITIES UNLESS CERTIFICATES ARE PRODUCED CERTIFYING THAT THE REQUIRED COMPACTION HAS BEEN ACHIEVED.
- SEWERS SHALL BE DISUSED/ABANDONED IN ACCORDANCE WITH PROCEDURE SET OUT IN THE GRAVITY SEWER CODE.
- CONSTRUCT EMBEDMENT AND TRENCHFILL TO SEQ-SEW-1200-1, 1200-2, 1201-1 TO 1205-1 AND COUNCIL STANDARDS FOR ROADWAYS.
- CONSTRUCT BULKHEADS AND TRENCH STOPS TO SEQ-1206-1 AND TRENCH DRAINS TO SEQ-SEW-1207-1.
- EACH ALLOTMENT SHALL BE SERVED BY A DN110 PE PROPERTY CONNECTION. FOR ALLOTMENTS OTHER THAN SINGLE RESIDENTIAL, A DN160 PE PROPERTY CONNECTION SHALL BE PROVIDED. PROPERTY CONNECTIONS SHALL BE LOCATED WITHIN THE PROPERTY AS SHOWN IN THE DRAWINGS AND SHALL EXTEND INTO THE PROPERTY A MINIMUM OF 300mm AND A MAXIMUM OF 750mm. REFER SEQ-SEW-1106-1 TO 1106-6.
- CONSTRUCT MH'S TO SEQ-SEW-1301-1 TO 1301-5 (TYPE G), 1301-8 TO 1301-11 (TYPE F), 1301-14 TO 1301-25 (TYPE X), 1301-26 (TOP SLAB), 1301-27 (LADDERS), 1304-1, 1305-1, 1307-4 (STUB CUT IN), 1313-1 (CONNECTION).
- CONSTRUCT MH INSERTIONS AND REPAIRS TO 1501-1 (JUNCTIONS) AND 1502-1 (INSET MS).
- CONSTRUCT MAINTENANCE SHAFTS AND TERMINAL ENTRY POINTS TO SEQ-SEW 1315-1, 1316-1 AND 1502-1 (INSERT MS).
- INSTALL MH/MS TYPE B COVERS TO SEQ-SEW-1308-2 TO 1308-7.
- INSTALL MH/MS TYPE D COVERS TO SEQ-SEW-1308-8 TO 1308-11.
- INSTALL DETECTABLE MARKER TAPE ON ALL SEWER MAINS AND PROPERTY CONNECTIONS.
- THE UNDERSIDE OF ALL MAINTENANCE HOLE ASPROS MUST BE PE LINED AS PER STD DRG SEQ-SEW-1301-26.
- CONCRETE FOR MH CONSTRUCTION SHALL BE SPECIAL CLASS TO WSA PS-358 WITH REQUIREMENTS FOR CALCEREIOUS AGGREGATE.

ALL WATER AND SEWERAGE CONSTRUCTION SHALL COMPLY WITH ALL QUEENSLAND LEGISLATION

ALL ENVIRONMENTAL PROTECTION MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY CONSTRUCTION WORK COMMENCING, INCLUDING CLEARING

PROPERTY CONNECTIONS HAVE BEEN DESIGNED TO CONTROL THE REQUIRED SERVICE AREA OF EACH LOT AT A GRADE OF 1:60 AND A MAXIMUM DEPTH OF PROPERTY CONNECTION AT 1.5m UNLESS OTHERWISE STATED. FOR JUNCTION DETAILS REFER SEQ-SEW-1106-1 TO SEQ-SEW-1106-6.


WATER RETICULATION NOTES

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT WSAA WATER SUPPLY CODE OF AUSTRALIA SPECIFICATIONS AND STANDARD - SOUTH EAST QUEENSLAND SERVICE PROVIDERS EDITION.
- UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
- THE DESIGN HAS BEEN UNDERTAKEN TO COMPLY WITH CURRENT SOUTH EAST QUEENSLAND WATER CODE AND URBAN UTILITIES STANDARDS.
- THE CONSTRUCTION OF THE WATER RETICULATION WORK SHOWN ON THIS DRAWING MUST BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT TO THE RETICULATION SYSTEM.
- ALL MATERIALS USED IN THE WORKS SHALL COMPLY WITH URBAN UTILITIES ACCEPTED PRODUCTS AND MATERIALS LIST OR BE APPROPRIATELY SHOWN, LISTED AND DEFINED IN THE ENGINEERING SUBMISSION SO THAT THE ALTERNATIVE PRODUCT OR MATERIAL CAN BE ASSESSED AND IF APPROPRIATE, APPROVED BY URBAN UTILITIES.
- ADOPT LIP OF KERB OR SHOULDER OF ROAD AS PERMANENT LEVEL.
- COVER ON MAINS FROM PERMANENT LEVEL TO BE AS SHOWN IN SEQ-WAT-1200-2.
- CONSTRUCT EMBEDMENT AND TRENCH FILL TO SEQ-WAT-1200-1 TO 1204-1 AND COUNCIL STANDARDS FOR ROADWAY CROSSINGS.
- PROVIDE BULKHEADS / TRENCH STOPS IN ACCORDANCE WITH SEQ WATER SUPPLY CODE TABLE 7.5 AND SEQ-WAT-1209-1 AND 1210-1.
- CONSTRUCT THRUST BLOCKS ON ALL UNRESTRAINED VALVES, BENDS, TEES, TAPERS, DEAD ENDS TO SEQ-WAT-1205-1, 1206-1 AND 1207-1 AND WHERE OTHER PIPES CONNECT TO PE PIPE.
- INSTALL DETECTABLE MARKER TAPE ON ALL WATER MAINS AND PROPERTY SERVICES.
- CONSTRUCT FIRE HYDRANTS AND STOP VALVES TO SEQ-WAT-1301-1, 1302-1, 1303-2, 1305-1, 1306-1 AND 1409-1.
- CONSTRUCT SCOURS TO SEQ-WAT-1307-2 (ONLY MAINS DN315 AND LARGER). SCOURS MUST DISCHARGE INTO AN OPEN STORMWATER GULLY PIT. DISCHARGE TO THE FACE OF KERB AND CHANNEL IS NOT ACCEPTABLE TO URBAN UTILITIES.
- INSTALL ROAD AND PAVEMENT MARKERS TO SEQ-WAT-1107-1, 1107-2, 1300-1 AND 1300-2.
- CONSTRUCT HYDRANTS AT THE ENDS OF ALL NEW MAINS BEFORE THE SCOUR AND WHERE REQUIRED FOR COMMISSIONING PURPOSES. URBAN UTILITIES PREFERENCE IS TO AVOID TAPPING BANDS FOR TEST POINTS AND PROVIDE EITHER A TEMPORARY DUCKFOOT HYDRANT OR FLANGED SHORT PIPE WITH A TEMPORARY TAPPED BLANK FLANGE. TESTING AGAINST LIVE MAINS AND VALVES IS NOT PERMITTED.
- TESTING LOCATIONS AND TEMPORARY FITTINGS ARE REQUIRED ON SERVICES OVER 10m LONG UNLESS APPROVED IN WRITING FOR WORKS TO BE UNDERTAKEN AS LIVE WORKS. TESTING AND AS-CONSTRUCTED REQUIREMENTS TO BE DOCUMENTED ON DRAWINGS.
- 316SS BACKING RINGS SHALL BE USED WITH FULL-FACE PE FLANGES. PE STUB-FLANGES ARE NOT ACCEPTED. WHEN JOINING TO EXISTING UNRESTRAINED PIPELINES, PROVIDE A DICL SHORT PIPE WITH THRUST FLANGE AND THRUST BLOCK. BOLT ON UNI FLANGES SHALL NOT BE USED AS THRUST FLANGES. THRUST (PUDDLE) FLANGES SHALL BE AN APPROVED PREFABRICATED DICL/MSCL SHORT PIPE WITH PREFABRICATED THRUST FLANGE.
- ALL DISUSED SERVICES SHALL BE PLUGGED AT THE MAIN AND FERRULE CLOSED OR TAPPING BAND REMOVED AND SECTION OF MAIN SUBSTITUTED AS LIVE WORKS. LARGE DIAMETER SERVICES SHALL BE DISUSED BY REMOVING ANY PROPERTY SERVICE PIPEWORK AT THE POINT OF CONNECTION TO THE MAIN, AND INSTALLING A BLANK FLANGE DIRECTLY ON THE TEE.
- AC MAINS SHALL BE REPLACED COLLAR-COLLAR.
- CONSTRUCT PROPERTY SERVICES TO SEQ-WAT-1107-1 AND 1107-3.
- PROVIDE DN40 PE100 WATER SERVICES FOR ROAD CROSSINGS SERVICING TWO DWELLINGS. PROVIDE DN32 PE100 WATER SERVICES FOR ROAD CROSSINGS SERVICING A SINGLE DWELLING. IF THE LONG TERM STATIC HEAD OF THE PROPERTY SERVICE IS LESS THAN 350 kPa (35m) OR IF PRIVATE BOOSTER IS REQUIRED, THE MINIMUM SIZE OF PROPERTY SERVICE SHALL BE DN40 PE100.
- WATER SERVICE UNDER ROADS MUST BE PLACED WITHIN 100mm DIA. CONDUITS, REFER SEW-WAT-1107-1.
- A WATER METER SUPPLIED AT THE DEVELOPER'S COST, IS TO BE INSTALLED AT THE SERVICE POINT OF EACH LOT IN ACCORDANCE WITH THE URBAN UTILITIES STANDARD DRAWING.
- WATER METER AND FIRE HYDRANTS MUST BE LOCATED MINIMUM 1.1m CLEAR OF ENERGEX PILLARS.

DETAILS OF PROPOSED SEWER SEQ CODE VARIATIONS

No.	SEQ CODE CLAUSE	DETAILS FOR PROPOSED VARIATION	REASONS OF PROPOSED VARIATION
1	5.4.5	ROAD 12 - SEWER MAINS PROPOSED PARALLEL TO WATER MAIN ON ONE SIDE AND WITHIN NON-SEWER CORRIDOR.	THE SEWER HAS BEEN DESIGNED IN THE LEAST COSTLY LOCATION I.E. NOTE 2 - WHERE SEWER IS PARALLEL TO THE WATER MAIN, THE MINIMUM VERTICAL CLEARANCE HAS BEEN OBTAINED IN ACCORDANCE WITH CL. 5.4.5.2. TABLE 5.4, NOTE 6.

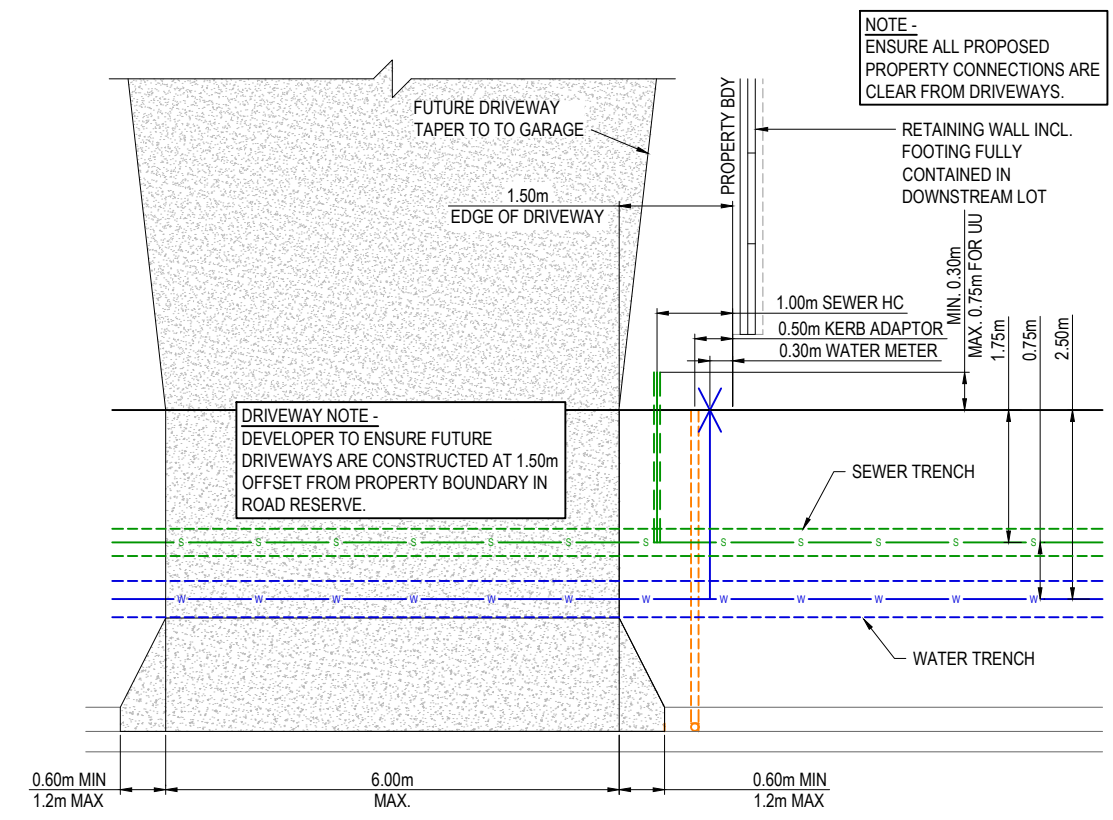
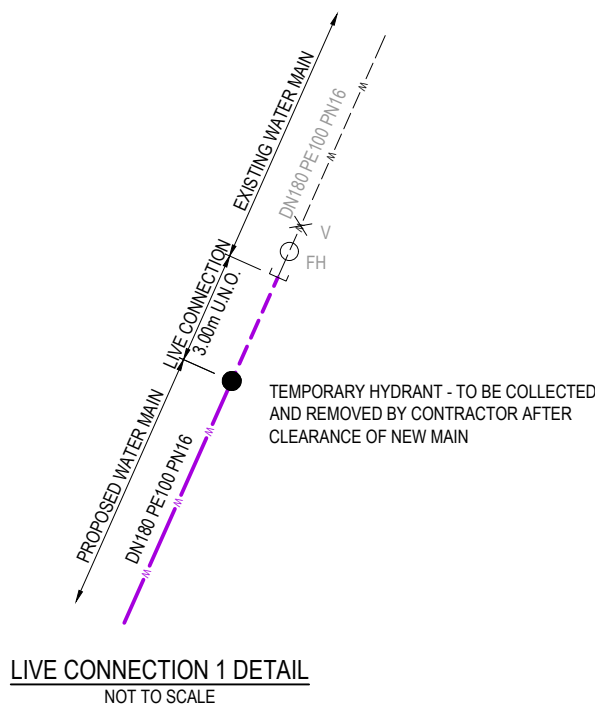
URBAN UTILITIES REF. NUMBER : 24-PNT-73876

REV	DATE	DESIGN	DRAWN	ISSUED FOR CONSTRUCTION	REVISION DETAILS	DRAWN	STATUS	SCALE	CLIENT	PROJECT NAME	DRAWING TITLE	PROJECT No.	DRAWING No.	REVISION
0	22.11.24	CL	AK	ISSUED FOR CONSTRUCTION					CANBERRA ESTATES CONSORTIUM NO. 36 PTY LIMITED <small>ASSOCIATED CONSULTANT SAUNDERS HAVILL GROUP 1300 123 744</small>	WOODLINKS VILLAGE - STAGE 13 COOLINGWOOD DRIVE COOLINGWOOD PARK	SEWERAGE AND WATER RETICULATION GENERAL NOTES	24-0051	301	2
1	04.04.25	CL	AK	MINOR AMENDMENTS										
2	01.08.25	CL	BP	AS CONSTRUCTED										
							AS CONSTRUCTED							
							APPROVED DANIEL COLLINS	RPEQ 18631	DATE 10.06.25					
<small>FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD</small>														

- LIVE WORKS NOTES:**
- ALL LIVE WORKS SHALL BE UNDERTAKEN BY THE CONTRACTOR IN ACCORDANCE WITH AN APPROVED NETWORKS ACCESS PERMIT, UNDER THE SUPERVISION OF URBAN UTILITIES, AT THE DEVELOPERS EXPENSE.
 - LIVE WORKS CANNOT COMMENCE UNTIL ALL RELEVANT TEST CERTIFICATES HAVE BEEN PROVIDED AND ACCEPTED BY URBAN UTILITIES.
 - PRE-CHLORINATED WATER FITTINGS SHALL BE USED FOR ALL DRINKING WATER LIVE WORKS CONNECTIONS.

WATER RETICULATION LIVE CONNECTIONS

CONNECTION 1			
STREET	ROAD 12		
LOCATION	BETWEEN LOT 799 AND 806		
LENGTH	3.00m	TYPE OF MAIN	DN180 PE100
DATE COMMENCED		DATE COMPLETED	
SIGNATURE			



LIVE SEWER WORKS

No.	DESCRIPTION	DIA. SEWER	EXISTING ASSET ID AT CONNECTION	MH/MS TYPE	COVER TYPE	LOT & PLAN No.	F.S.L.	E.S.L.	CONNECTION I.L.	CONNECTION DEPTH TO INVERT	ALTERATION TO EXISTING MH BENCHING REQUIRED (Y/N)
2 (B)	0.50m FROM EXISTING STUB, CONSTRUCTOR TO LAY NEW SEWERS. AFTER CLEANSING, TESTING AND INSPECTION, NOTIFY URBAN UTILITIES.	DN160 PE100	4/4	LINE	MH	LOT 799	42.415 40.85	42.415	40.294 39.14	2.121 1.710	-
2 (C)	CONSTRUCTOR, UNDER URBAN UTILITIES SUPERVISION, TO REMOVE TEMPORARY END CAP ON EXISTING STUB AND MAKE LIVE CONNECTION AFTER SUCCESSFUL 'ON MAINTENANCE' INSPECTION.										

ENGINEER'S CERTIFICATION

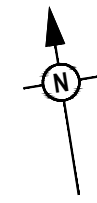
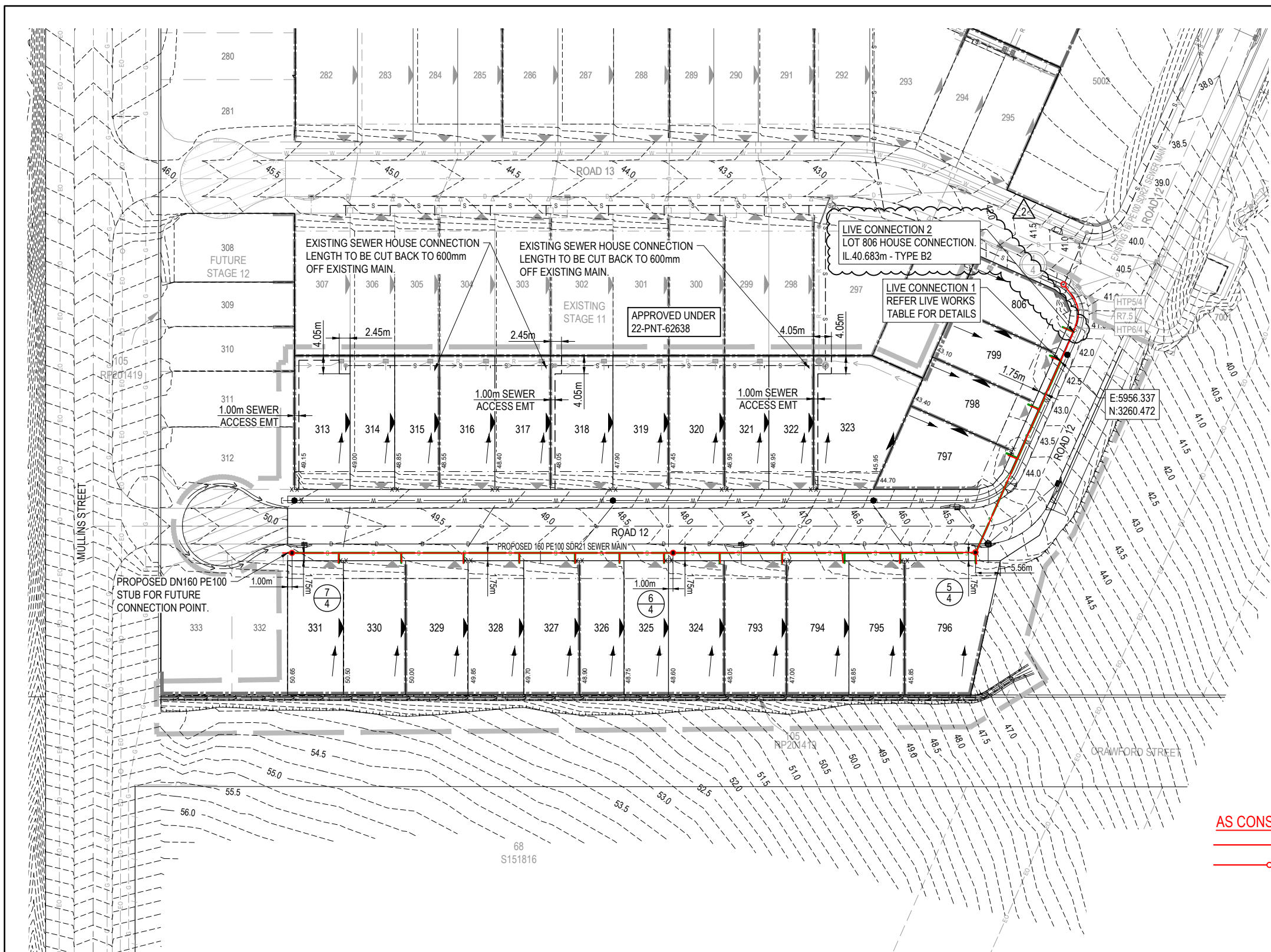
I, Dan Collins, hereby certify that:

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- The new water and sewerage works defined by this drawing have been designed and constructed in accordance with the SEQ code.
- This generally represents an accurate record of as-constructed works
- I accept responsibility for the information contained in this drawing / document.

RPEQ (signature) RPEQ No. 18631 Date: 01/08/25

URBAN UTILITIES REF. NUMBER : 24-PNT-73876

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DESIGN	APPROVED	RPEQ	DATE																											
	DANIEL COLLINS	18631	10.06.25																											



LEGEND	
	PROPOSED AREA OF WORKS
	PROPOSED SEWER MAIN
	FUTURE SEWER MAIN
	EXISTING SEWER MAIN
	SEWER LOT CONTROL SURFACE LEVEL
	INDICATIVE DRIVEWAY LOCATION
	ZERO LOT BOUNDARY
	FINISHED SURFACE CONTOUR
	PROPOSED STORMWATER DRAINAGE PIPE
	EXISTING STORMWATER DRAINAGE PIPE
	PROPOSED ROOFWATER DRAINAGE PIPE
	EXISTING ROOFWATER DRAINAGE PIPE
	PROPOSED WATER MAIN
	EXISTING WATER MAIN
	PROPOSED WATER SERVICE POINT
	PROPOSED RETAINING WALL
	EXISTING RETAINING WALL
	EXISTING ELECTRICAL CABLE U/G
	EXISTING ELECTRICAL CABLE O/H
	EXISTING TELECOMMUNICATION CABLE U/G
	EXISTING GAS MAIN

WARNING! - EXISTING SERVICES

EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

NOTE:

SEWER INFRASTRUCTURE LAYOUT INCLUDING PROPERTY CONNECTIONS TO FUTURE LOTS ARE NOT PART OF THIS APPROVAL. SUBSEQUENT WATER APPROVAL IS NEEDED FOR THE FUTURE STAGE. URBAN UTILITIES UNDERSTANDS THE INFRASTRUCTURE IS 'CONSTRUCTED FOR CONVENIENCE', CANNOT GO LIVE AND WILL BE AT THE DEVELOPER'S RISK. ANY ACCESS EASEMENTS REQUIRED WILL NEED TO BE AMENDED WHEN THE FUTURE STAGE IS DESIGNED.

NOTE:

THIS DESIGN PACKAGE SHOWS CONNECTIONS TO INFRASTRUCTURE THAT HAS NOT BEEN ACCEPTED 'ON MAINTENANCE' BY URBAN UTILITIES. LIVE WORKS CANNOT COMMENCE UNTIL THE PRECEDING WORKS HAVE BEEN ACCEPTED 'ON MAINTENANCE'.

NOTE - SETOUT:

REFER TO THE LONGITUDINAL SECTIONS FOR EASTING AND NORTHING SETOUT OF SEWER STRUCTURES, ENDS AND BENDS.

AS CONSTRUCTED LEGEND

SEWERAGE MAIN

SEWERAGE MANHOLE

ENGINEER'S CERTIFICATION

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RPEQ (signature) RPEQ No. 18631 Date: 01/08/25

RP DESCRIPTION
LOT 1 ON SP266990

DATUM LEVEL AND LOCATION:
P.M. 110122 RL 40.320 AHD

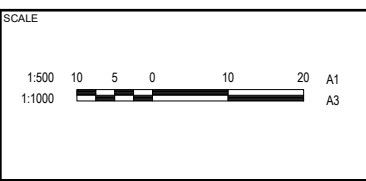
URBAN UTILITIES REF. NUMBER : 24-PNT-73876

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2	12.05.25	CL	CL	LOT 806 HC LIVE CONNECTION ADDED	
3	01.08.25	CL	BP	AS CONSTRUCTED	

DRAWN	STATUS
AS CONSTRUCTED	

DESIGN	APPROVED	RPEQ	DATE
DANIEL COLLINS	DANIEL COLLINS	RPEQ 18631	10.06.25

FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD



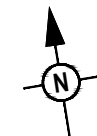
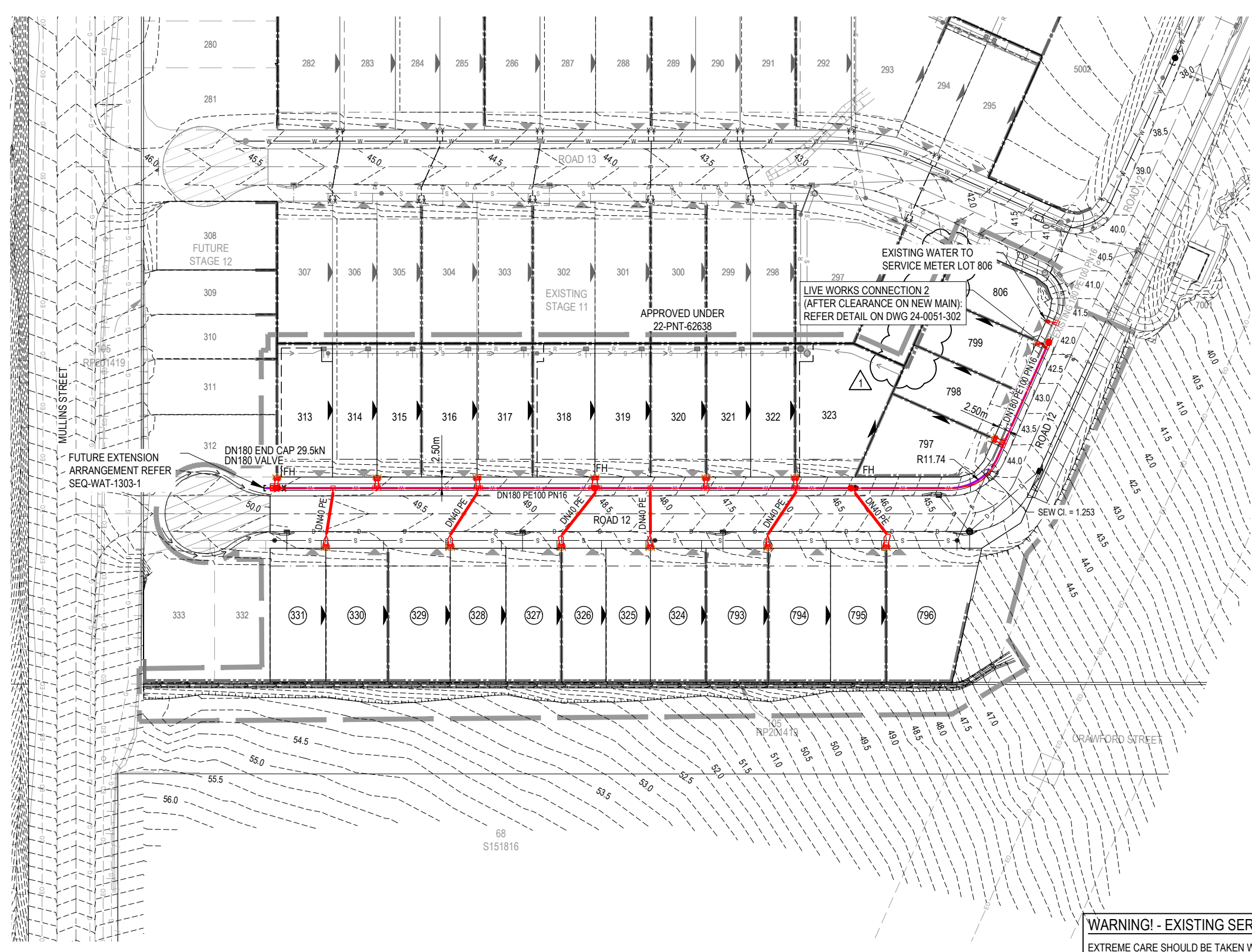
CLIENT
CANBERRA ESTATES CONSORTIUM NO. 36 PTY LIMITED

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP
1300 123 744

PROJECT NAME
WOODLINKS VILLAGE - STAGE 13

COOLINGWOOD DRIVE
COOLINGWOOD PARK

DRAWING TITLE		
SEWERAGE LAYOUT PLAN		
PROJECT No.	DRAWING No.	REVISION
24-0051	303	3



LEGEND

	PROPOSED AREA OF WORKS
	PROPOSED WATER MAIN DN180
	PROPOSED MAIN REQUIRING TRENCHSTOPS IN ACCORDANCE WITH SEW-WAT-1209-1
	EXISTING WATER MAIN
	PROPOSED WATER CONDUIT
	EXISTING WATER CONDUIT
	PROPOSED ROAD CONTOUR
	INDICATIVE DRIVEWAY LOCATION
	ZERO LOT BOUNDARY
	PROPOSED STORMWATER DRAINAGE PIPE
	EXISTING STORMWATER DRAINAGE PIPE
	PROPOSED ROOFWATER DRAINAGE PIPE
	EXISTING ROOFWATER DRAINAGE PIPE
	PROPOSED SEWER MAIN
	EXISTING SEWER MAIN
	EXISTING ELECTRICAL CABLE U/G
	EXISTING ELECTRICAL CABLE O/H
	EXISTING GAS MAIN

WATER FITTINGS LEGEND

PROPOSED:

	FIRE HYDRANT
	ISOLATION VALVE
	DEAD END
	WATER SERVICE POINT

EXISTING:

	FIRE HYDRANT
	ISOLATION VALVE
	DEAD END
	REDUCER
	WATER SERVICE POINT

AS CONSTRUCTED LEGEND

	WATER PIPE
	TAPPING BAND/ TEE
	VALVE
	FIRE HYDRANT
	WATER METER
	END CAP

NOTE:

- WATER MAINS MUST CROSS OVER SERVICES WITH MINIMUM COVER PER SEQ CI. 7.4.2. AND CLEARANCES PER SEQ CODE TABLE 5.5.
- ALL VALVES TO BE FULLY RESTRAINED IN ACCORDANCE WITH THE SEQ CODE.
- MARKERS FOR PROPERTY SERVICES SHALL BE IN ACCORDANCE WITH SEQ-WAT-1106-1108. MARKERS FOR WATER MAIN CROSSINGS, HYDRANTS AND VALVES SHALL BE IN ACCORDANCE WITH SEQ-WAT-1300-1.
- ALL FITTINGS (HYDRANTS, VALVES, WATER SERVICE CONNECTIONS ETC) MUST BE INSTALLED ON STRAIGHT SECTIONS OF WATER MAIN.

ENGINEER'S CERTIFICATION

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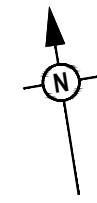
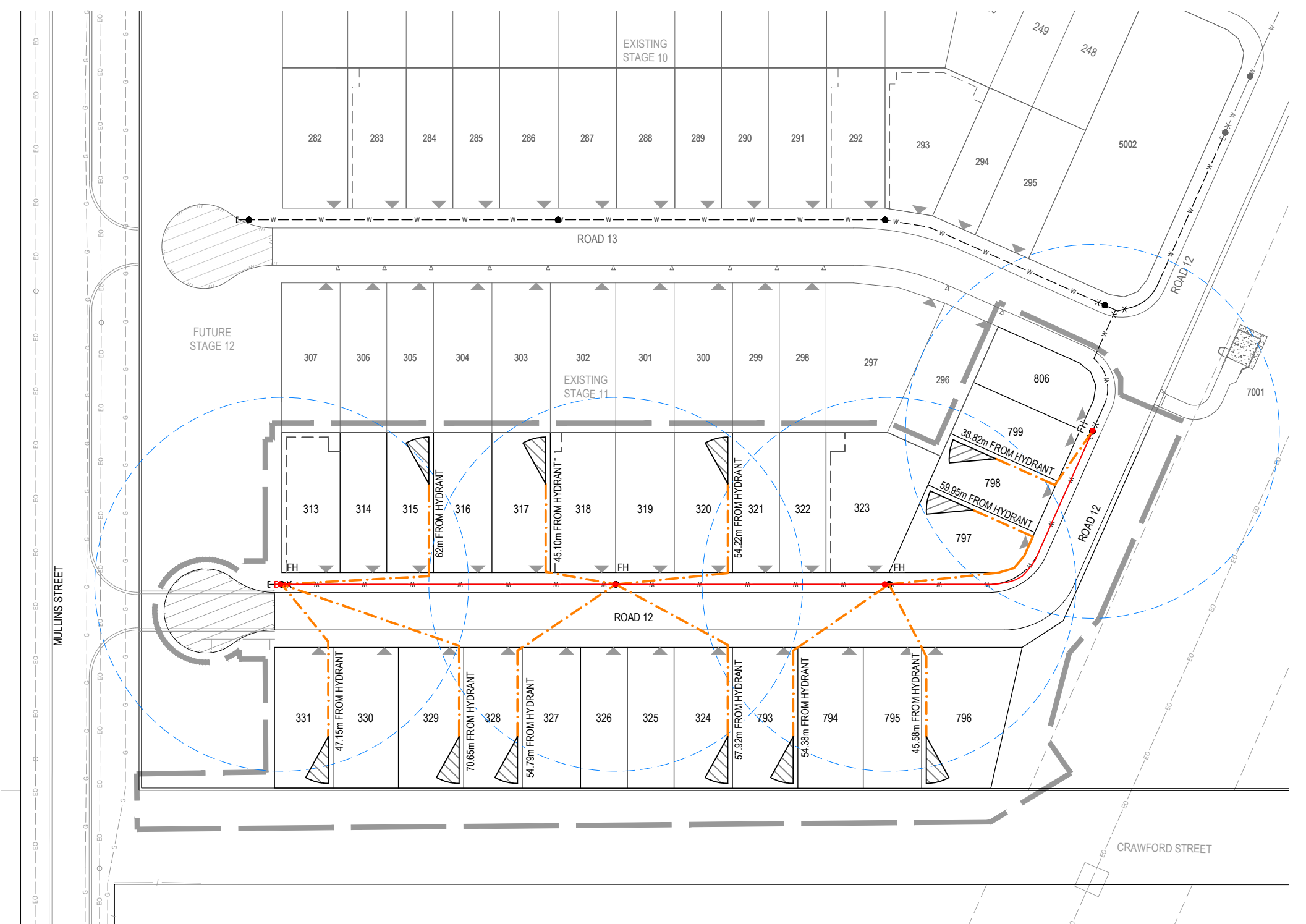
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- WATER MAINS
- SEWER MAINS

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RP DESCRIPTION LOT 1 ON SP266990
DATUM LEVEL AND LOCATION: P.M. 110122 RL 40.320 AHD
URBAN UTILITIES REF. NUMBER : 24-PNT-73876

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305	2																																								



LEGEND

- PROPOSED AREA OF WORKS
- PROPOSED WATER MAIN
- EXISTING WATER MAIN
- PROPOSED HYDRANT REACH (WORST CASE ALLOTMENT)
- FIRE HYDRANT SPACING (RADIUS 40m)
- HOSE SPRAY ARC (10m)
- FIRE HYDRANT COVER 80m MAX SPACING

NOTE:
 ALL FIRE HYDRANT LOCATIONS SHALL MEET CLASS 1 BUILDING COVERAGE REQUIREMENTS OF THE SEQ CODE. FIRE HYDRANT COVERAGE IS AS SHOWN AND DEMONSTRATES THE WORST POSSIBLE LOCATION OF ANY PROPOSED CLASS 1 BUILDING WITHIN 90m OF HYDRANT REACH.

AS CONSTRUCTED LEGEND

- WATER PIPE
- VALVE
- FIRE HYDRANT
- END CAP

ENGINEER'S CERTIFICATION

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4. I accept responsibility for the information contained in this drawing / document.

RPEQ (signature) RPEQ No. 18631 Date: 01/08/25

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					DANIEL COLLINS	
					RPEQ 18631	
					DATE	
					10.06.25	
FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD						

SCALE

1:500 10 5 0 10 20 A1

1:1000

CLIENT

CANBERRA ESTATES CONSORTIUM NO. 36 PTY LIMITED

ASSOCIATED CONSULTANT

SAUNDERS HAVILL GROUP

1300 123 744

PROJECT NAME

WOODLINKS VILLAGE - STAGE 13

COOLINGWOOD DRIVE

COOLINGWOOD PARK

DRAWING TITLE

FIRE HYDRANT REACH LAYOUT PLAN

PROJECT No.

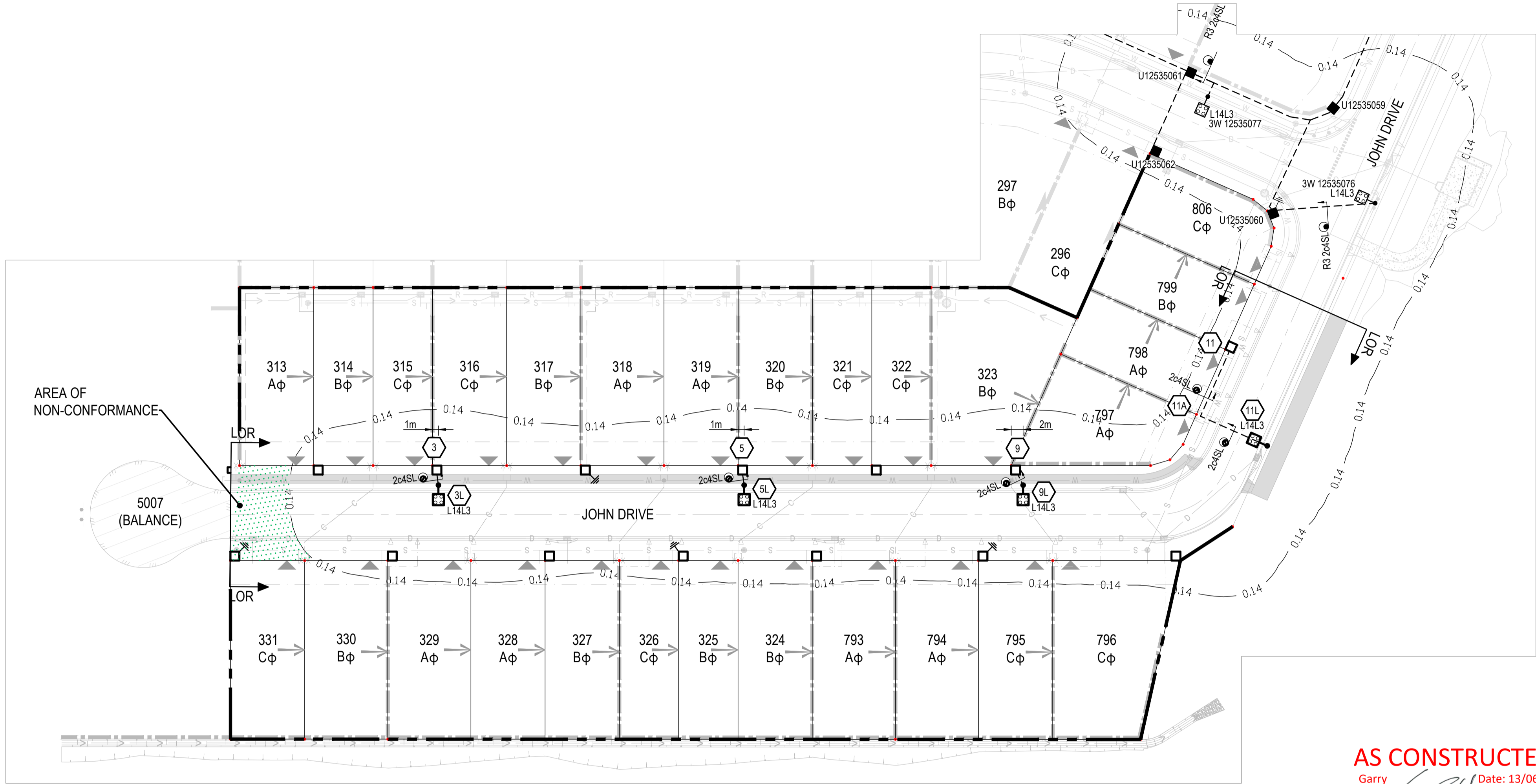
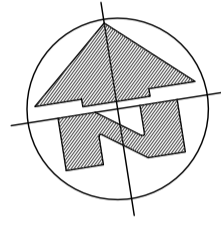
24-0051

DRAWING No.

306

REVISION

2



AS CONSTRUCTED
 Garry Edwards Date: 13/06/25
 INZ ELECTRICAL SERVICES PTY LTD
 97 ZILLMERE ROAD
 BOONDALL 4034 QLD
 PH 3865 2122 FAX 3865 4475

STREETLIGHTING CERTIFICATION

This lighting design is certified to comply generally with the nominated categories of AS/NZS 1158.1.1:2022 (V Category) and / or AS/NZS 1158.3.1:2020 for (P Category), and AS/NZS 4282:2019 for luminaires supplied on the following road within this design:
JOHN DRIVE PR5

With the following exceptions:
 AREA OF NON-CONFORMANCE TO BE FILLED IN FUTURE STAGE.

Maintenance Factor:
 This lighting design uses the following maintenance factor(s):
 Maintenance Factor Calculated : 0.80

These maintenance factor(s) are based on the following nominal maintenance regime:
 Lamp replacement (for non-LED luminaires) at 36 month intervals.
 Cleaning, inspection and maintenance of all luminaires at 36 month intervals
 Service availability maintained at not less than 95%.
 Vegetation kept clear of luminaires.

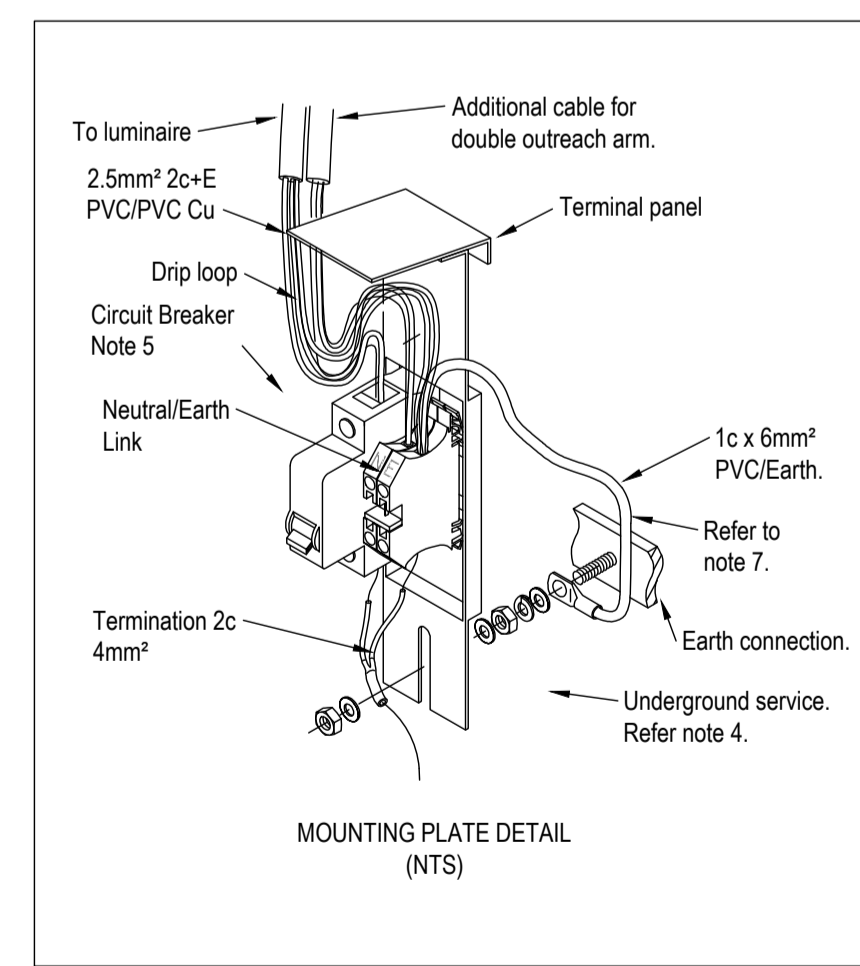
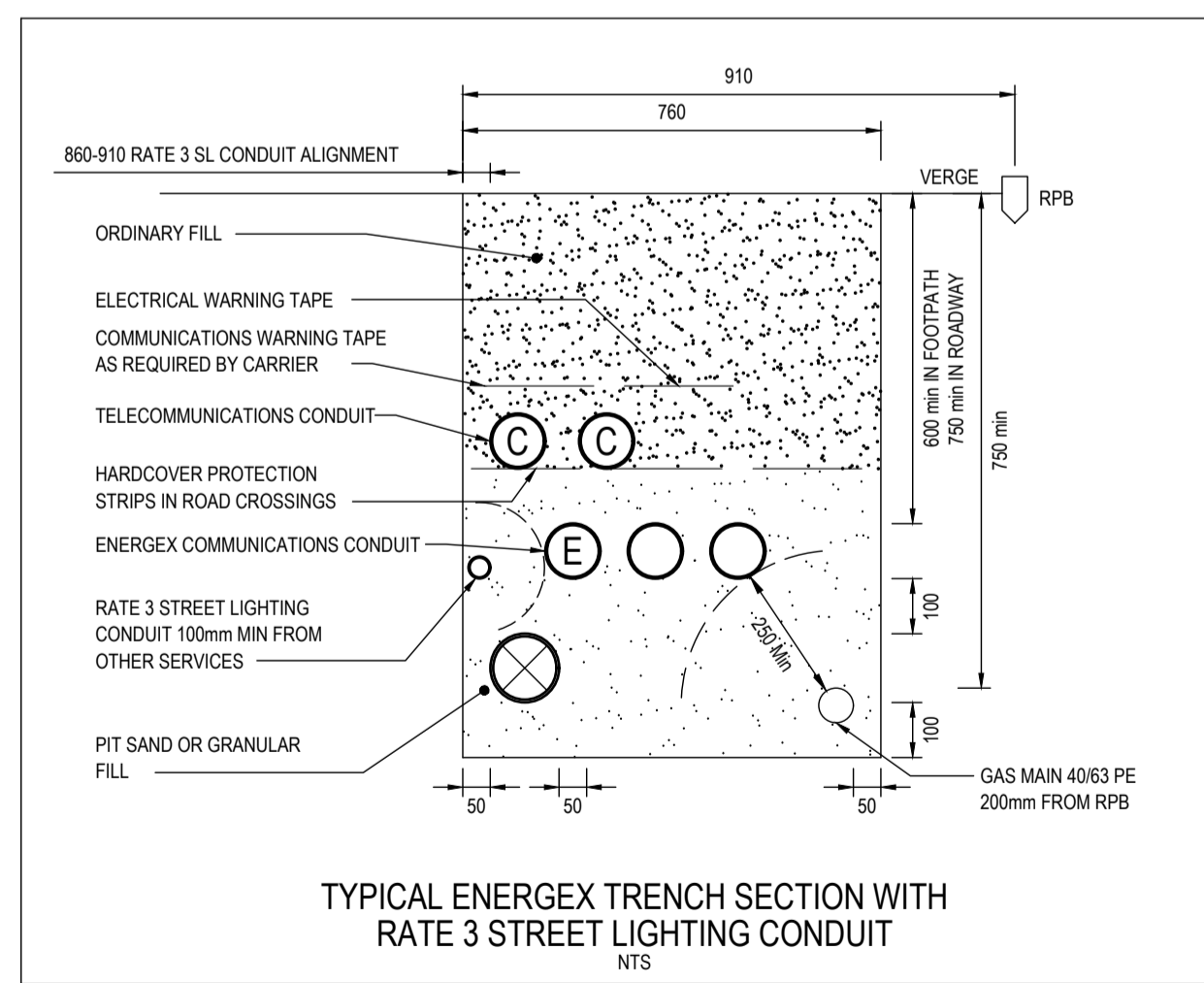
If the asset owner elects not to adopt this maintenance regime, they shall develop an inspection and maintenance regime such that the overall lighting installation operates in accordance with this design.

CERTIFICATE OF COMPLIANCE

Design Documentation in accordance with the requirements of : Appendix C	
Applicable Standard : AS/NZS 1158.3.1:2020	Maintenance Factor: 0.80
Calculation Software : PERFECT LITE v5.06	
Lighting Category	
Road Name(s)	JOHN DRIVE
Nominated Category	PR5
Road Surface Reflection	-
Road Reserve/ Path Width	AS SHOWN ON PLAN
Mounting Height	5.1m
Overhang/Offset Distance	3.3m
Lighting Arrangement	SINGLE
Pole Setback	800 (STN 11L) & 950 IOK
Upcast Angle	0°
Luminaire Details	
Lamp Type / Wattage	LED 14W
Luminaire Identification	AVENUE II 4K 14W VW DISTRIBUTED BY SCHREDER/SYLVANIA
Lamp Flux (lumens)	1969
I-table Identifier	AVENUE II 4K 14W V2 210729PH.CIE
Lighting Tariff	RATE 3
Power Factor	HPF (≥ 0.9)
Start/run Currents	0.05A / 0.05A
Ip Rating	IP66
Spacing Calculations	
Average Horizontal Illuminance (E _h)	≥ 0.85 lux
Min Point Horizontal Illuminance (E _{Ph})	≥ 0.14 lux
Illuminance Uniformity (U _{E2})	≤ 10
Min Point Vertical Illuminance (E _{Pv})	N/A
Upward Waste Light Ratio (UWLR) %	≤ 1.0% (calculated 0%)
Road Reserve/ Footpath Design Width (m)	Maximum Spacing (m)
13.45m	57.0m
16.0m	54.0m

LEGEND

- EXISTING RATE 3 UNDERGROUND CONDUIT
- - - PROPOSED RATE 3 ELECTRICAL SERVICE CONDUIT
- POINT OF SUPPLY
- CONDUIT CROSS-SECTION
- 2cASL PROPOSED CABLE
- 2cASL EXISTING CABLE
- RATE 3 SWITCHBOARD
- RATE 3 PIT
- LIGHTING LEGEND**
- NOTE: NOT ALL SYMBOLS MAY BE USED
- LED STREET LIGHT
- S100 HPS STREET LIGHT
- S150 HPS STREET LIGHT
- S250 HPS STREET LIGHT
- ★ EXISTING UNKNOWN STREET LIGHT



TARIFF 3 LED LIGHTING INFORMATION

DESIGN NOTES
 SOFTWARE USED - PERFECT LITE - TREVOR CASWELL SOFTWARE.
 MAINTENANCE FACTOR - 0.8
 CLEANING CYCLE - 36 MONTHS.
 MAXIMUM SERVICE LIFE - 50,000 HOURS.

PUBLIC LIGHTING NOTES
 REFER TO IPSWICH CITY COUNCIL STANDARD DRAWINGS SL.01 TO SL.08 FOR STANDARD NOTES, INSTALLATION DETAILS AND LABELLING REQUIREMENTS.

CONTRACTOR OBLIGATION

ALL LIGHT FITTINGS SHALL BE CONNECTED TO UNMETERED SUPPLY IN ACCORDANCE WITH ENERGEX TARIFF 3 REQUIREMENTS, AND AS NOTED ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE THE DATE OF CONNECTION OF EACH STREET LIGHT ADJACENT TO EACH STATION IN THE STREET LIGHTING SCHEDULE.

THIS SCHEDULE WILL THEN BE USED BY THE CONTRACTOR FOR B2B SUBMISSION.

FOR CONSTRUCTION

12/11/2024 3:42 PM

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REV	DATE	DETAILS	DRAWN CHECKED APPRVD
D	12.11.24	RE-ISSUED FOR CONSTRUCTION	AB BK BK
C	03.09.24	AMENDED ROAD CROSSING AT STN 4 AND MOVED STN 11L	AB BK BK
B	28.08.24	ISSUED FOR CONSTRUCTION	AB BK BK
A	28.08.24	ISSUED FOR APPROVAL	AB BK BK
i	28.08.24	PRELIMINARY ISSUE	AB BK BK

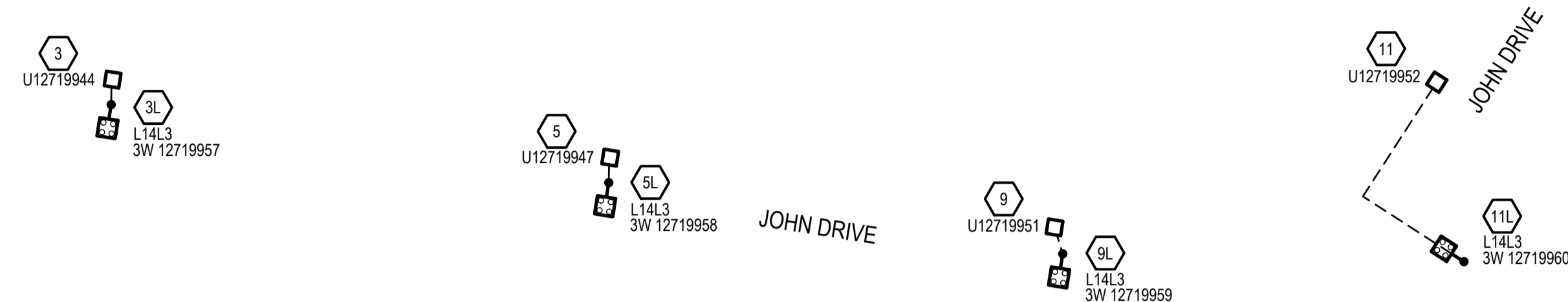
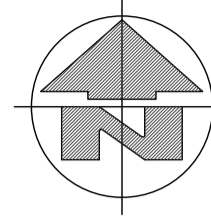
SITE CONTACT DETAILS		ALIGNMENTS		PROJECT / SUB PROJECT NO.	
NAME	ENERGEX OH 0.7 FR KI	ENERGEX UG 0-0.91	TELSTRA 0.91-1.3	S2602852	
COMPANY	VILLAGE BUILDING CO	HP GAS 3.41-3.81	WATER 2.21-2.81	PROJECT NO. -	
PHONE	0421 078 630	STORMWATER IN ROAD	SEWERAGE 1.3-2.21	PARENT PROJECT NO. -	
MOBILE	-	WATER	-	WORK REQUEST NO. -	
EMAIL	-	SEWERAGE	-	PLANNER & PHONE -	
				LOTS 313 - 331, 793 - 799 & 806 & 5007 (BALANCE)	

ampflo
 Electrical and Telecommunications Consultants
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 Email : projects@ampflo.com.au
 Website : ampflo.com.au

ECAAS
 ISO 9001 CERTIFIED QUALITY MANAGEMENT

CERTIFICATION APPROVED: Brad Kunde RPEQ No: 16286 DATE: 12/11/2024	PROJECT 27 LOT RESIDENTIAL SUBDIVISION WOODLINKS STAGE 13 STREETLIGHTING RETICULATION PLAN & CERTIFICATION RATE 3 STREETLIGHTING DETAILS, NOTES, LEGEND & CERTIFICATE OF COMPLIANCE
CHECKED: B. KUNDE	DRAWING: R241660
DESIGNER: A. BUI	PROJECT: 241660
ISSUE DATE: 12.11.24	SHEET 1 OF 2

FILE: P:\16667_2001 COLLINGWOOD DR COLLINGWOOD PARK WOODLINKS_STAGE 13\1301 WORKING\241666.DWG PLOT: 12/11/2024 3:42:26 PM



PROPOSED SL SCHEMATIC DIAGRAM
SCALE N.T.S

RATE 3 MATERIALS SUMMARY

EQUIPMENT	
MODEL No.	QTY
LVC24PVPV	43m
SLEDSY01375	4
SLNOS3CI	4
SUGSLPIL	4
TOTAL TRENCH LENGTH	27

RATE 3 CONDUIT SCHEDULE - FOOTPATHS - BY ELECTRICAL CONTRACTOR

LOCATION	STATIONS FROM - TO	CONDUIT LENGTH (m)		PVC CABLE PROTECTION (m)	X-SECTION (m)		DRAW WIRE	KERB MARKERS	REMARKS
		50mm HD	No.		EXCAV /TAPE	TRENCH DETAIL			
JOHN DRIVE	3 3L	3	1	3	3		5		
	5 5L	3	1	3	3		5		
	9 9L	3	1	3	3		5		
	11 11A	12	1		12		14		
TOTAL		21m		9m	21m		29m		

RATE 3 CONDUIT SCHEDULE - ROADWAYS - BY CIVIL CONTRACTOR

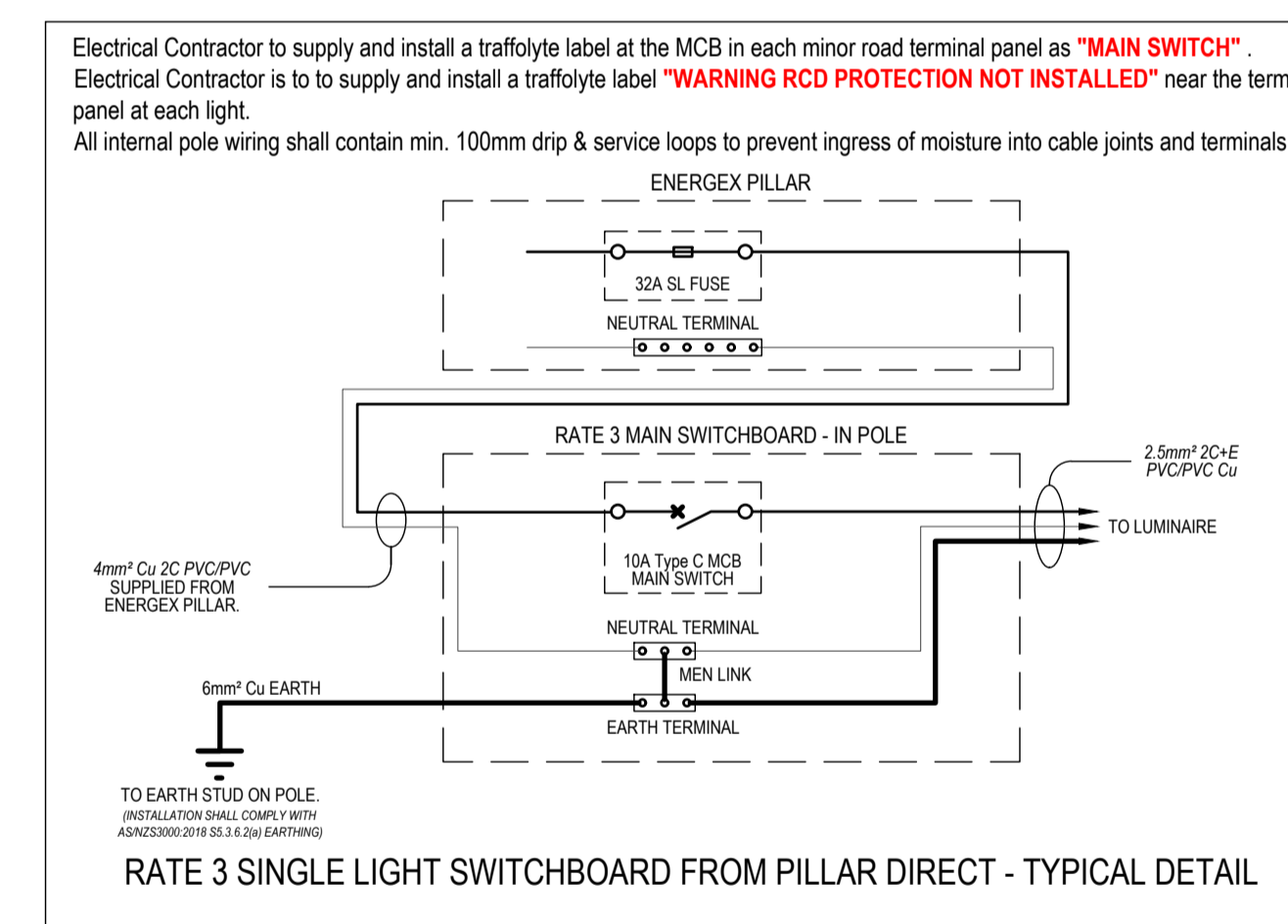
LOCATION	STATIONS FROM - TO	CONDUIT LENGTH (m)		PVC CABLE PROTECTION (m)	X-SECTION (m)		DRAW WIRE	KERB MARKERS	REMARKS
		50mm HD	No.		EXCAV /TAPE	TRENCH DETAIL			
JOHN DRIVE	11A 11L	12	1	12	12		14	2	
TOTAL		12m		12m	12m		14m	2	

RATE 3 CABLE SCHEDULE

LOCATION	STATIONS FROM - To	EX	REC	In	CABLE SIZE/TYPE	CABLE LENGTH (m)	REMARKS
	5 5L				4mm ² Cu 2C PVC/PVC	5	
	9 9L				4mm ² Cu 2C PVC/PVC	5	
	11 11L				4mm ² Cu 2C PVC/PVC	28	
TOTALS					4mm ² Cu 2C PVC/PVC	43	

RATE 3 - STREETLIGHT SCHEDULE

LOCATION	STN No.	SITE ID (POLE No.)	COMP ID	POLE OR COMPONENTS				POLE CODE	ALIGN (mm)	NORTH	EAST	COMP ID	EX	LANTERN				OUTREACH BRACKET				MOUNT HT (m)	REMARKS		
				EX (m)	REC (m)	ER (m)	ER (m)							RECOVER LUMIN (m)	DATE DE-ENERG	ERECT LUMIN	CUST CUST	DATE ENERG	LUMINAIRE CODE	EX (m)	REC (m)			ER (m)	CU ID
JOHN DRIVE	3L	3W 12719957	P01			4.5m BPM	SLNOS3CI	950 IOK				SL1					L14L3	IPSW	SLEDSY01375				0°	5.1	BLACK NOSTALGIA
	5L	3W 12719958	P01			4.5m BPM	SLNOS3CI	950 IOK				SL1					L14L3	IPSW	SLEDSY01375				0°	5.1	BLACK NOSTALGIA
	9L	3W 12719959	P01			4.5m BPM	SLNOS3CI	950 IOK				SL1					L14L3	IPSW	SLEDSY01375				0°	5.1	BLACK NOSTALGIA
	11L	3W 12719960	P01			4.5m BPM	SLNOS3CI	800 IOK				SL1					L14L3	IPSW	SLEDSY01375				0°	5.1	BLACK NOSTALGIA



RATE 3 SINGLE LIGHT SWITCHBOARD FROM PILLAR DIRECT - TYPICAL DETAIL

AS CONSTRUCTED

Garry Edwards
Date: 13/06/25
INZ ELECTRICAL SERVICES PTY LTD
97 ZILLMERE ROAD
BOONDALL 4034 QLD
PH 3865 2122 FAX 3865 4475

FILE: P:\10665_7001\COLLINOWOOD DR COLLINOWOOD PARK - WOODLINKS - STAGE 13\13 WORKING\241666D

REV	DATE	DETAILS	DRAWN	CHECKED	APPRVD
D	12.11.24	RE-ISSUED FOR CONSTRUCTION	AB	BK	BK
C	03.09.24	AMENDED ROAD CROSSING AT STN 4 AND MOVED STN 11L	AB	BK	BK
B	28.08.24	ISSUED FOR CONSTRUCTION	AB	BK	BK
A	28.08.24	ISSUED FOR APPROVAL	AB	BK	BK
i	28.08.24	PRELIMINARY ISSUE	AB	BK	BK

CLIENT

SITE CONTACT DETAILS		ALIGNMENTS		PROJECT / SUB PROJECT NO.	
NAME	BEC ASHBY	ENERGEX OH	0.7 FR KI	S2602852	
COMPANY	VILLAGE BUILDING CO	ENERGEX UG	0-0.91	PARENT PROJECT NO.	-
PHONE	0421 078 630	TELSTRA	0.91-1.3	WORK REQUEST NO.	-
MOBILE	-	GAS	3.41-3.81	PLANNER & PHONE	-
EMAIL	-	HP GAS	3.41-3.81	LOTS	313 - 331, 793 - 799 & 806 & 5007 (BALANCE)
		WATER	2.21-2.81	CANCELLING LOTS	5007 ON SP344888
		IN ROAD	1.3-2.21	LOCAL AUTHORITY	IPSWICH CITY COUNCIL
		SEWERAGE	1.3-2.21	PEGGED?	ON REQUEST

Electrical and Telecommunications Consultants
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Phone : (07) 3372 9280
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Website : ampflo.com.au

CERTIFICATION:	
APPROVED:	Brad Kunde
RPEQ No.:	16286
DATE:	12/11/2024
CHECKED:	B. KUNDE
DESIGNER:	A. BUI
ISSUE DATE:	12.11.24

PROJECT	
27 LOT RESIDENTIAL SUBDIVISION WOODLINKS STAGE 13 STREETLIGHTING SCHEMATIC RATE 3 SCHEDULES, MATERIALS SUMMARY & PILLAR STREETLIGHT DETAIL	
DRAWING:	R241660
PROJECT:	241660
SHEET	2 OF 2

D