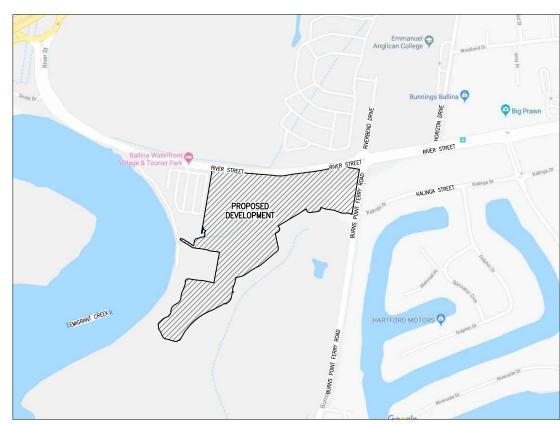
PROPOSED SENIORS HOUSING COMMUNITY

LOT 1 on DP124173 & LOT 1 on DP522558

550-570 RIVER STREET & 6 BURNS POINT FERRY RD, WEST BALLINA

GEMLIFE PTY LTD

Project Number: G22-053



LOCALITY PLAN NOT TO SCALE

GENERAL DRAWINGS

G22-053-PG01 PRELIMINARY COVER SHEET

G22-053-PG02 PRELIMINARY INTERNAL CIVIL SERVICES LAYOUT PLAN

CIVIL DRAWINGS

G22-053-PC01	PRELIMINARY CIVIL NOTES AND LEGEND
G22-053-PC02	PRELIMINARY CIVIL WORKS SITE PLAN
G22-053-PC03	PRELIMINARY CIVIL WORKS PLAN 1 of 3
G22-053-PC04	PRELIMINARY CIVIL WORKS PLAN 2 of 3
G22-053-PC05	PRELIMINARY CIVIL WORKS PLAN 3 of 3
G22-053-PC06	PRELIMINARY CIVIL WORKS SECTIONS 1 of 5
G22-053-PC07	PRELIMINARY CIVIL WORKS SECTIONS 2 of 5
G22-053-PC08	PRELIMINARY CIVIL WORKS SECTIONS 3 of 5
G22-053-PC09	PRELIMINARY CIVIL WORKS SECTIONS 4 of 5
G22-053-PC10	PRELIMINARY CIVIL WORKS SECTIONS 5 of 5
G22-053-PC11	PRELIMINARY CIVIL WORKS SECTIONS 5 of 5
G22-053-PC12	PRELIMINARY ROAD TYPICAL CROSS SECTIONS
G22-053-PC13	PRELIMINARY BIO-RETENTION BASIN No.1 DETAILS
G22-053-PC14	PRELIMINARY BIO-RETENTION BASIN No.2 DETAILS
G22-053-PC15	PRELIMINARY BIO-RETENTION BASIN TYPICAL NOTES & DETAILS

EARTHWORK DRAWINGS

G22-053-PE01 PRELIMINARY EARTHWORKS SITE PLAN

EXTERNAL ROADWORKS DRAWINGS

G22-053-PR01 PRELIMINARY EXTERNAL ROADWORKS NOTES AND LEGEND
G22-053-PR02 PRELIMINARY EXTERNAL ROADWORKS SITE PLAN
G22-053-PR03 PRELIMINARY EXTERNAL ROADWORKS PLAN 1 OF 4
G22-053-PR04 PRELIMINARY EXTERNAL ROADWORKS PLAN 2 OF 4
G22-053-PR05 PRELIMINARY EXTERNAL ROADWORKS PLAN 3 OF 4
G22-053-PR06 PRELIMINARY EXTERNAL ROADWORKS PLAN 4 OF 4
G22-053-PR07 PRELIMINARY EXTERNAL SECTIONS 1 of 2
G22-053-PR08 PRELIMINARY EXTERNAL SECTIONS 2 of 2

No.	DATE	REVISIONS	DES	DRN	СНК	APD	DOCUMENT CONTRO
А	13.12.22	PROJECT NAME REVISED					DATE DECEMBER 20
							APPROVED B.C.A
							CHECKED B.C.A
							DRAWN G.G.J
							DESIGNED G.G.J





T 07 3852 4333	SURVE KENN PHONE
T 07 5571 1599 esterapartners.com.au	USE FIGU
COAST T 07 5391 3777 @westerapartners.com.au	WORK FE
NSW T 02 6674 8047	AND USE THE BUIL

URVEYOR ENNEDY SURVEYING HONE 02 6686 5700	DATUM A.H.E S.S.M.64762 R.L.1.267
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LOCATION

PROPOSED SENIORS HOUSING COMMUNITY

LOT 1 on DP124173 & LOT 1 on DP522558

550-570 RIVER STREET & 6 BURNS POINT FERRY RD, WEST BALLIN

FOR APPROVAL

DRAWING NUMBER

G22-053-PG01

SHEET NUMBER

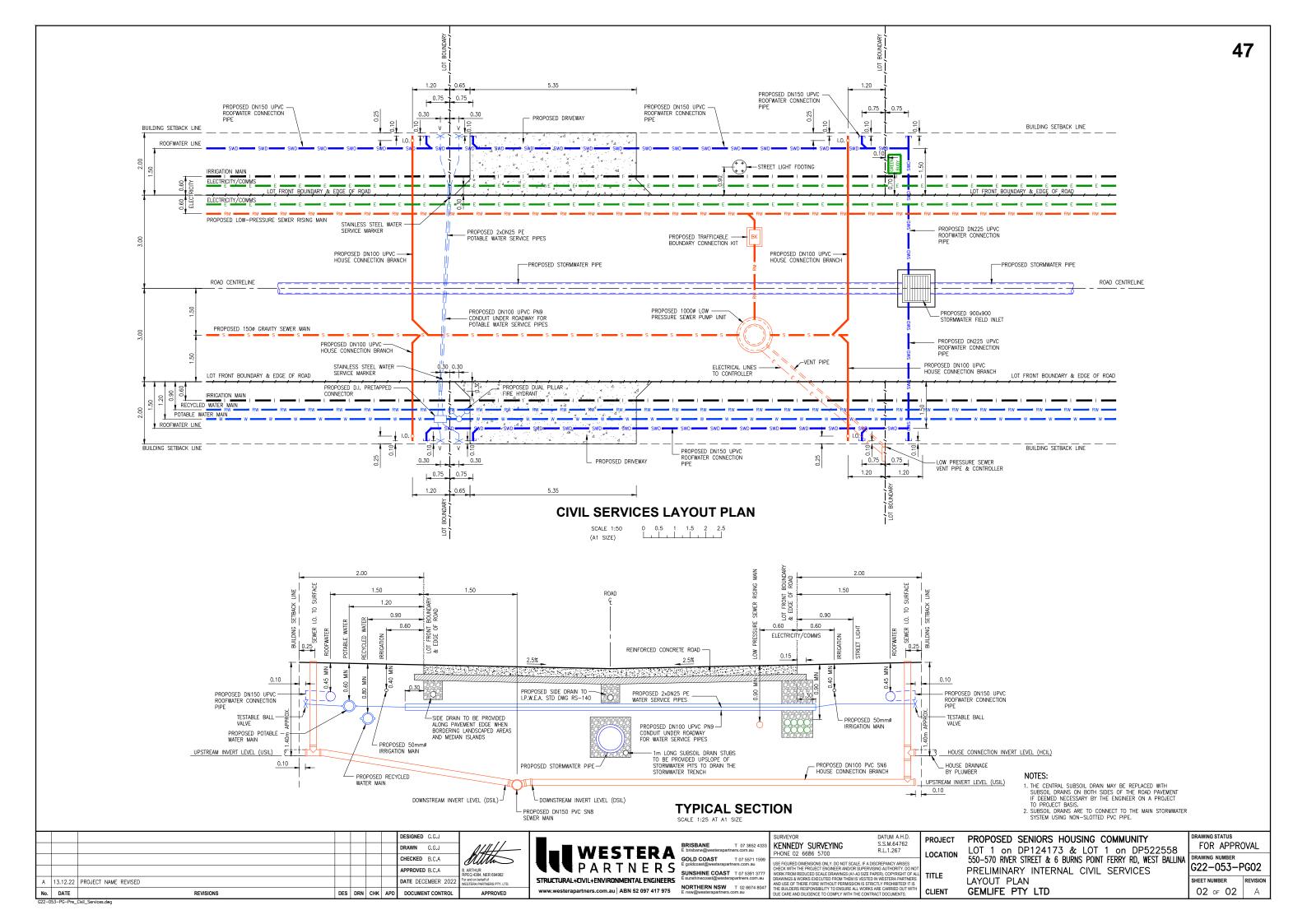
O1 OF O2

A

RAWING STATUS

PRELIMINARY COVER SHEET

GEMLIFE PTY LTD



ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITIES STANDARD DRAWINGS & SPECIFICATIONS AND COMPLETED TO THE SATISFACTION OF THE SUPERINTENDENT AND LOCAL AUTHORITY.

UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH

PRIOR TO THE COMMENCEMENT OF CONSTRUCTION THE CONTRACTOR MUST LOCATE ALL EXISTING SERVICES AND PROMPTLY PROVIDE THE LOCATION DATA TO THE DESIGN ENGINEER TO ASSESS IMPACTS ON THE DESIGN.

ALL CONNECTIONS TO EXISTING SEWERS AND WATER MAINS ARE TO BE G5 CONSTRUCTED BY THE LOCAL AUTHORITY OR AN APPROVED CONTRACTOR.
THE CONTRACTOR IS TO ALLOW IN HIS CONTRACT SUM FOR THE COST OF ANY

ALL SEWERS ARE TO BE 150MM DIA. U.P.V.C. CLASS SN8 RUBBER RING JOINTED AND PROPERTY CONNECTIONS ARE TO BE 100MM DIA. U.P.V.C. CLASS SN6 RUBBER RING JOINTED AND PROPERTY CONNECTIONS ARE TO BE 100MM DIA. U.P.V.C. CLASS SN6 UNLESS NOTED OTHERWISE

THE PAVEMENT DEPTHS SHOWN ARE PRELIMINARY ONLY AND ARE TO BE VERIEIED FOLLOWING SUB-SOIL TESTS OF THE SUB-GRADE MATERIAL

ALL ROOFWATER CONNECTIONS FROM KERB ADAPTERS ARE TO BE 100MM DIA CLASS SN10 AT A MIN GRADE OF 1.0% UNLESS SHOWN OTHERWISE. ROOFWATER CONNECTIONS FROM FIELD INLETS OR GULLY PITS ARE TO BE 150MM DIA CLASS SN8 AT A MIN GRADE OF 1.0% UNLESS NOTED OTHERWISE.

ALL U.P.V.C. STORMWATER DRAINAGE PIPES ARE TO BE CLASS SN8 AND ALL R.C. AND F.R.C. PIPES ARE TO BE CLASS 3 RUBBER RING JOINTED UP TO ANI INCLUDING 600 DIA. PIPES OVER 600 DIA. ARE TO BE CLASS 3 AND ARE TO HAVE AN EXTERNAL RUBBER BAND JOINT GROUTED INTERNALLY

WATER PIPES SHALL BE;

- P.V.C.-M WATER PIPES ARE TO BE SERIES 2 PN16 SN10 R.R.J.

- D.I.C.L. WATER PIPES ARE TO BE PN35 WITH ALL FITTINGS TO BE FUSION

BONDED POLYMERIC COATED.
PE WATER PIPES ARE TO BE PN16 SDR11 PE100. DN25 AND DN32 WATER

SERVICES SHALL BE PE80B.

ALL "AS CONSTRUCTED" INFORMATION IS TO BE RECORDED AS REQUIRED BY THE LOCAL AUTHORITY AND SUBMITTED TO THE SUPERINTENDENT IMMEDIATELY AFTER COMPLETION OF THE WORKS.

G12 ALL ALLOTMENTS ARE TO BE GRADED AT A MINIMUM GRADE OF 1 IN 200.

CONCRETE NOTES

BORED PIERS

ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600 CONCRETE STRUCTURES CODE AND THE REFERENCED STANDARDS THEREIN.

THE CONCRETE STRENGTH GRADE AND THE COVER TO REINFORCEMENT FOR THE VARIOUS CONCRETE ELEMENTS SHALL BE AS LISTED BELOW:

- CLIMATE ZONE: TROPICAL TEMPERATE ARIQ - LOCATION: COASTAL NEAR COASTAL INLAND

ELEMENT	EXPOSURE CLASSIFICATION	STRENGTH GRADE	MINIMUM COVER					
MANHOLES	B1	N32	40					
MAINFIOLES	C2	S50	65					
FIELD INLET PITS	B1	N32	40					
FIELD INCEL PILS	C2	S50	65					
HEADWALLS	B1	N32	40					
HEADWALLS	C2	S50	65					
INTERNAL ROADS	B1	N32	40					
KERB/CHANNEL	B1	N32	-					
FOOTPATHS	B1	N32	40					
RETAINING WALL PANELS	B1	N32	30*					
RETAINING WALL PANELS	C2	S50	60*					
	R1	N32	40					

C2 *RIGID FORMWORK & INTENSE COMPACTION

S50

65

CONCRETE TO HAVE A MAXIMUM AGGREGATE SIZE OF 20mm WITH 80mm MAXIMUM SLUMP, A WATER/CEMENT RATIO OF NOT GREATER THAN 0.65 AND A MAXIMUM FINAL BASIC DRYING SHRINKAGE STRAIN OF 800 x 10, UNLESS

NO ADDITIVES SHALL BE ADDED OF APPLIED TO THE CONCRETE MIX WITHOUT THE APPROVAL OF THE ENGINEER.

THE MAXIMUM PERMISSIBLE TRANSPORT TIME FOR CONCRETE BETWEEN BATCHING AND PLACEMENT ON SITE SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE.

PLACEMENT TIME
120 MINUTES
90 MINUTES
60 MINUTES
45 MINUTES
30 MINUTES
NO PLACEMENT OF CONCRETE UNLESS CHILLED WATER OR ICE IN MIX

ALL CONCRETE SHALL BE MECHANICALLY VIBRATED. VIBRATORS SHALL NOT BE USED TO SPREAD CONCRETE.

ALL CONCRETE SHALL BE SAMPLED AND TESTED IN ACCORDANCE WITH AS1379 ADOPTING THE PROJECT ASSESSMENT METHOD FOR COMPRESSIVE STRENGTH AND SLUMP COMPLIANCE THE RESULTS OF ALL TESTS SHALL BE PROMPTLY SUBMITTED. TO THE ENGINEER FOR REVIEW.

WHEN THE AIR TEMPERATURE EXCEEDS 30°C, ALIPHATIC ALCOHOL SHALL BE APPLIED TO THE CONCRETE SURFACE OF SLABS IMMEDIATELY AFTER THE INITIAL SCREED AND AGAIN AFTER BULL FLOATING.

CURING OF ALL CONCRETE SURFACES SHALL COMMENCE IMMEDIATELY AFTER C9 COMPLETING CONCRETE FINISHING AND SHALL CONTINUE FOR 7 DAYS.

CONTRACTOR TO CONFIRM METHOD OF CURING WITH ENGINEER PRIOR TO USE.

SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.

BEAM DEPTHS ARE WRITTEN FIRST AND INCLUDE SLAB THICKNESS, IF ANY.

NO HOLES, CHASES OR EMBEDDED ITEMS OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT PRIOR APPROVAL OF THE ENGINEER, CONDUITS, PIPES ETC. SHALL NOT BE PLACED IN THE COVER THICKNESS OF THE CONCRETE.

WHERE SERVICE PIPES PENETRATE CONCRETE ELEMENTS, PROVISION SHOULD BE MADE TO ALLOW FOR MOVEMENT OF THE ELEMENT.

FORMWORK SHALL BE DESIGNED, CONSTRUCTED AND STRIPPED IN ACCORDANCE WITH AS3610 FORMWORK CODE, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY SHOWN C15 IN TRUE PROJECTION OR SCALE.

ALL REINFORCEMENT SHALL BE SECURELY SUPPORTED IN ITS CORRECT POSITION C16 ON PLASTIC BAR CHAIRS, GENERALLY AT NOT GREATER THAN 800mm CENTRES IN BOTH DIRECTIONS.

WELDING AND HEATING OF REINFORCEMENT SHALL NOT BE PERMITTED WITHOUT APPROVAL OF THE ENGINEER.

ALL STEEL REINFORCEMENT IN CONCRETE ELEMENTS SHALL BE INSPECTED BY THE ENGINEER AND PASSED PRIOR TO POURING OF ANY CONCRETE.

LAP REINFORCEMENT ONLY AT LOCATIONS SHOWN ON THE DRAWINGS OR AS APPROVED BY THE ENGINEER.

SLAB FABRIC SHALL BE LAPPED ONE FULL PANEL OF FABRIC PLUS 50mm SO THAT THE TWO OUTERMOST TRANSVERSE WIRES OF ONE SHEET OVERLAP THE TWO OUTERMOST TRANSVERSE WIRES OF THE SHEET BEING LAPPED BY 50mm.

BAR REINFORCEMENT SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING TABLE.

TYPICAL BAR REINFORCEMENT LAP LENGTHS								
BAR	LAP LENGTH UNO	HORIZONTAL BARS WITH GREATER THAN 300mm OF CONCRETE CAST BELOW THEM						
N12	550	750						
N16	800	1100						
N20	1100	1400						
N24	1250	1600						
N28	1400	1800						
N32	1600	2100						
N36	2000	2500						

WHERE LAPS ARE SHOWN ON THE DRAWINGS THE ABOVE LAP LENGTHS SHALL BE ADOPTED UNLESS NOTED OTHERWISE. WHERE BARS OF DIFFERENT DIAMETER ARE SHOWN LAPPED, ADOPT THE LAP LENGTH APPROPRIATE TO THE SMALLER

A VAPOUR BARRIER OF 0.2mm (200um) MINIMUM THICK POLYTHENE SHEETING SHALL BE PLACED BENEATH SLABS ON GROUND UNLESS NOTED OTHERWISE.

LEGEND

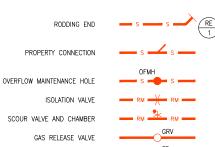
WATER

	NEW	EXISTING	DISUSED
WATER MAIN		w w	w w -
FIRE HYDRANT	w w	w H w	w • FH - w -
DUAL OUTLET FIRE HYDRANT	w DFH	w w	w & DFH w -
SWABBING DUAL OUTLET FIRE HYDRANT	w SDFH		
SWABBING FIRE HYDRANT	w w SFH	w w	$ \text{w} \text{w} \bullet$
ISOLATION VALVE	w w	—— w — <u>X v</u> w ——	w \bigstar^{ν} - w -
SCOUR VALVE	w <u>*</u> w	w <u>*</u> w	w [±] w-
AIR VALVE	w w	w w	$ w - \bigcirc^{AV} w -$
DEAD END	— w — w —	—— w —— w ——]	$ w w \exists$
TEST/CHLORINATION POINT	— w _ w —		
REDUCER	150 w w 100	W -> W 100	$-\frac{150}{-}$ W $>$ $-\frac{100}{-}$ W $-$
PIPE MATERIAL CHANGE	PVC w DICL		$-\frac{PVC}{-}$ — w $+$ — $\frac{DICL}{-}$ W $-$
WATER SERVICE PRE-TAPPED TEE	— w — — w —		
WATER SERVICE PIPE & CONDUIT			
FLOW METER	w w		
FLUSHING POINT	w w		
SEWED	\GE		

SEWERAGE

SLVVLIN	4GL		
	NEW	EXISTING	DISUSED
GRAVITY SEWER MAIN	s s	—— s —— s ——	ss-
SEWER RISING MAIN			
SEWER VACUUM MAIN		VM VM	
TENANCE HOLE & END OF LINE	1 1 5 • S • E	- s s E	ss-
END OF LINE	s	s	
MAINTENANCE SHAFT	s • s • s • s	s s	s-
HORIZONTAL/VERTICAL BEND	S S S S S S S S S S S S S S S S S S S	S S S	s (VB1)
COMPOUND BEND	S S	S S	s- (CB1) (1)

STUB / TEMPORARY END



FLUSHING POINT DISCHARGE MAINTENANCE HOLE

ISOLATION VALVE VENT POLE / ODOUR CONTROL UNIT

TITLE

CLIENT

DATUM A.H.D.

GEMLIFE PTY LTD

PROPOSED SENIORS HOUSING COMMUNITY PROJECT LOT 1 on DP124173 & LOT 1 on DP522558 LOCATION 550-570 RIVER STREET & 6 BURNS POINT FERRY RD, WEST BALLINA

FOR APPROVAL DRAWING NUMBER G22-053-PC01 PRELIMINARY CIVIL NOTES AND LEGEND SHEET NUMBER 01 of 15

DRAWING STATUS

No.	DATE	REVISIONS	DES	DRN	СНК	APD	DOCUMENT CONTROL
Α	13.12.22	PROJECT NAME REVISED					DATE DECEMBER 202
							APPROVED B.C.A
							CHECKED B.C.A
							DRAWN G.G.J
							DESIGNED G.G.J



KENNEDY SURVEYING T 07 3852 4333 T 07 5571 159 SUNSHINE COAST T 07 5391 3777

GENERAL

REINFORCED CONCRETE PATHWAY/CROSSOVER

ASPHALTIC CONCRETE PAVEMENT

REINFORCED CONCRETE PAVEMENT

CEMENT GROUTED STONE PITCHING

TURF

STONE PITCHING

TELECOMMUNICATION

ELECTRICITY OVERHEAD

ELECTRICITY UNDERGROUND

EXISTING SURFACE LEVEL

FINISHED SURFACE LEVEL

STORMWATER DRAINAGE

STORMWATER PIPE

SAG GULLY PIT

MANHOLE

HEADWALL

ON GRADE GULLY PIT

600 x 600 FIELD INLET

900 x 600 FIELD INLET

1050 DIA FIELD INLET

KERB ADAPTER WITH ROOFWATER PIPE STORMWATER STRUCTURE LABEL

GAS MAIN

POWER POLE

FENCE

STAGE BOUNDARY

NEW

2A

PIT (TELSTRA/ELEC)

____ GAS ____

× 2.53

EXISTING

MAINT

LIGHT POLE __v__LP_O__v__

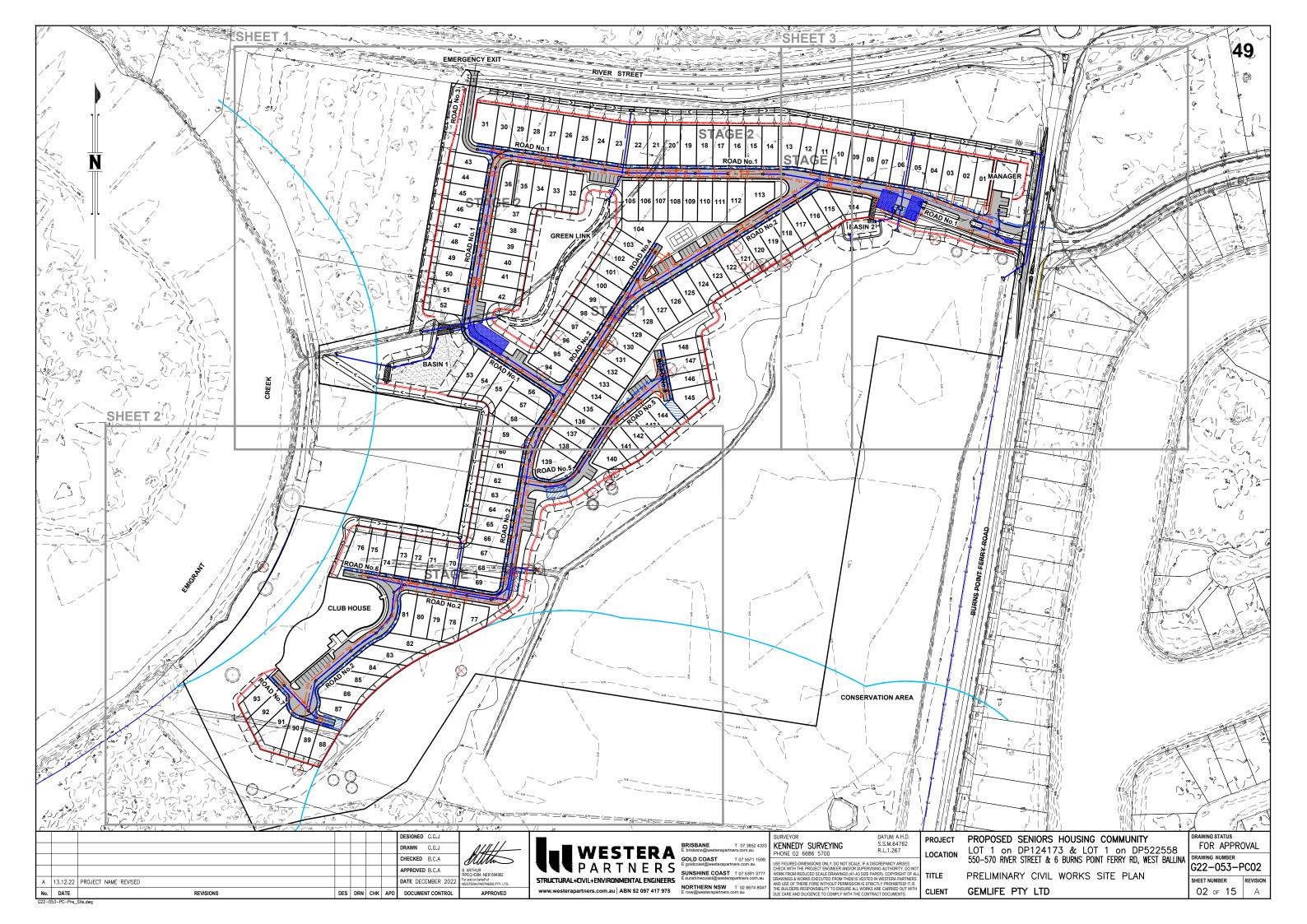
PHONE 02 6686 5700 CHECK WITH THE PROJECT ENGINEER AND/OR SUPERVISING AUTHORITY. OF WORK FROM REDUCED SCALE DRAWINGS (A1-AS SUEP APER), COPYRIGHT O DRAWINGS & WORKS EXCUTED FROM THEM IS VESTED IN WESTERA PARTIMAND USE OF THEEF FORE WITHOUT PERMISSION IS STRICTLY PROHIBITED IT THE BUILDERS RESPONSIBILITY TO ENSURE ALL WORKS AND ADDRESS OF A DRAWING ADDRESS OF A DRAWING AND ADDRESS OF A DRAWING ADDRESS OF A DRAWING AND ADDRESS OF A DRAWING ADDRESS OF A DRAWING AD SE FIGURED DIMENSIONS ONLY. DO NOT SCALE, IF A DISCREPANCY ARISES

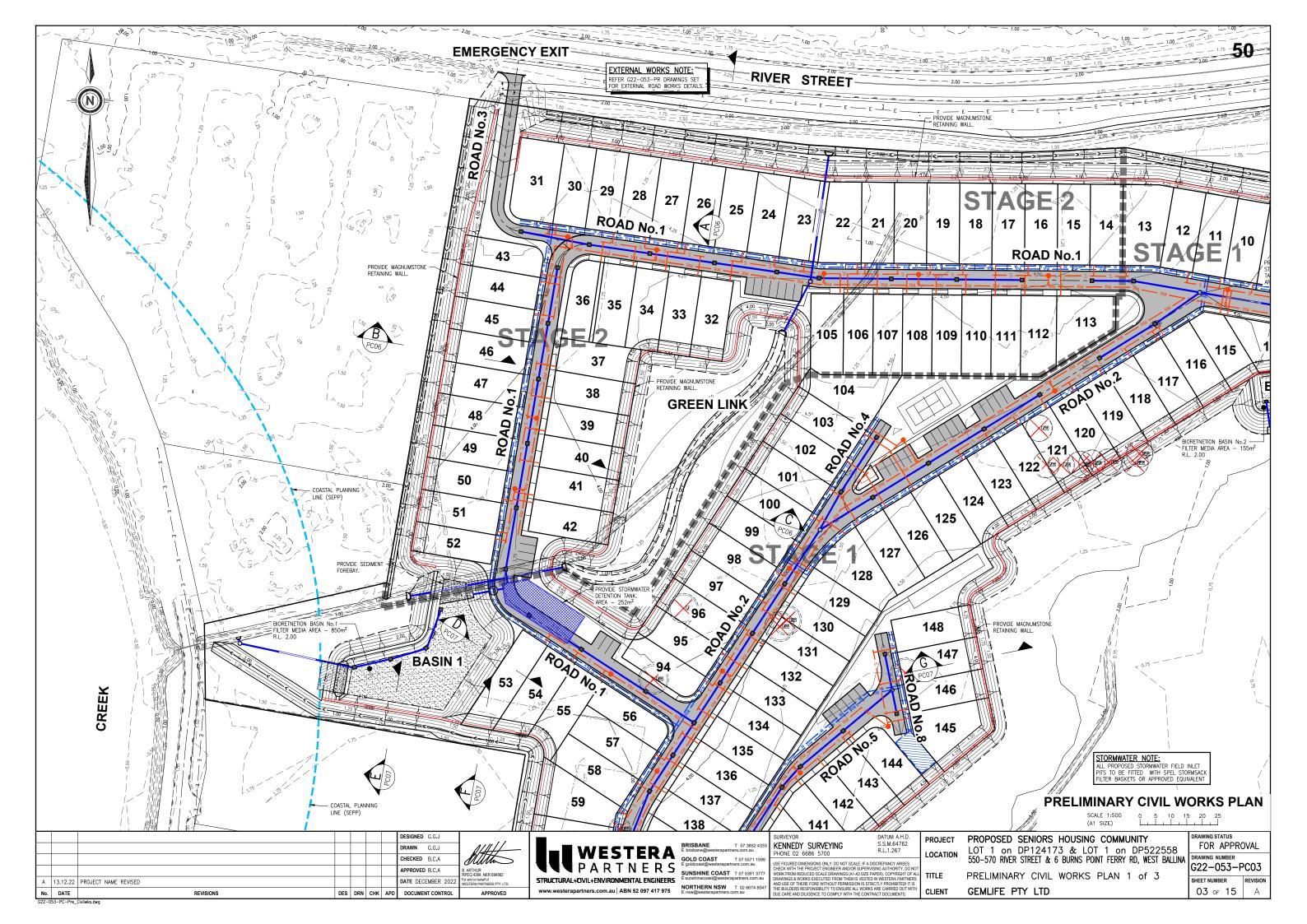
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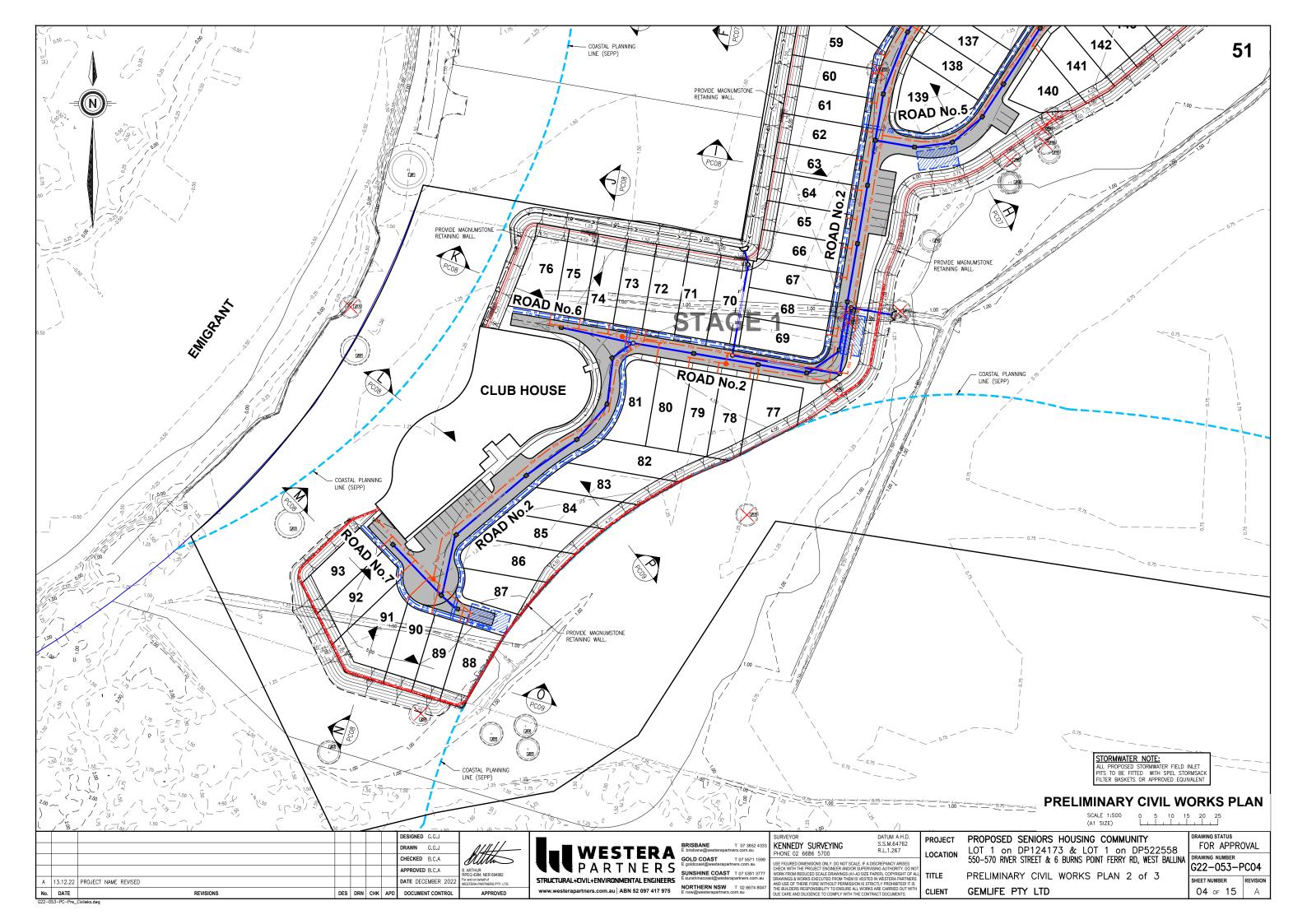
SURVEYOR

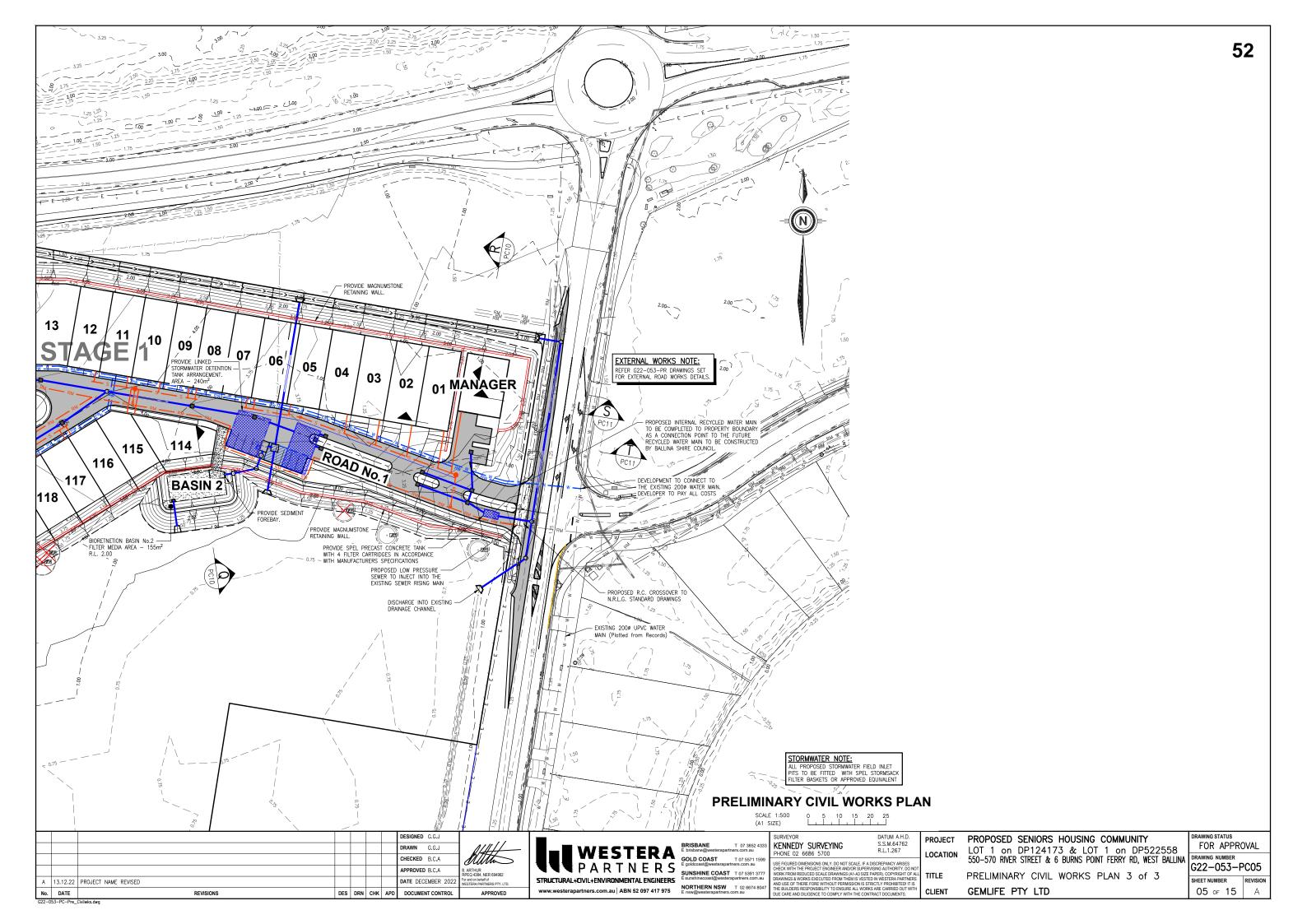
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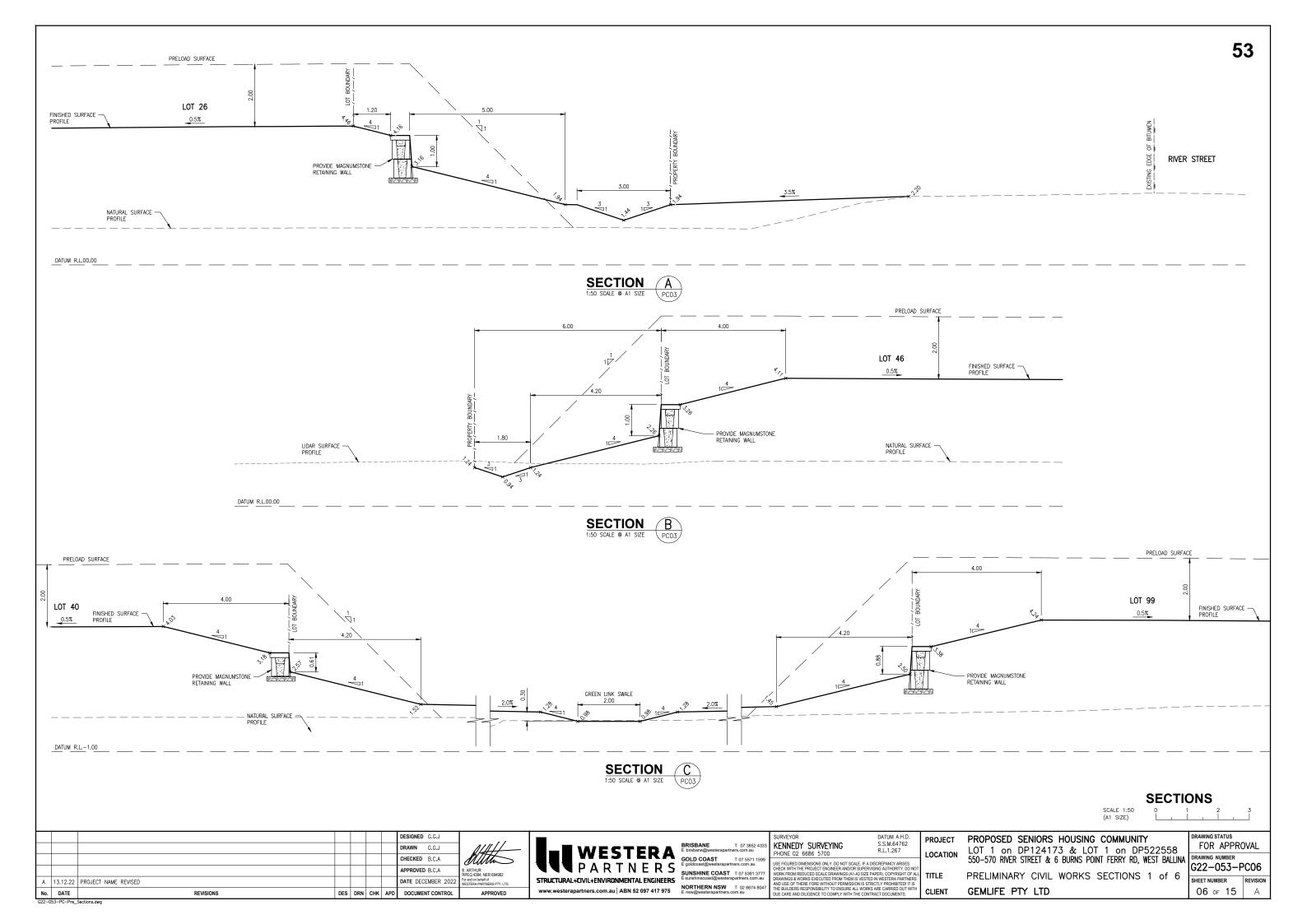
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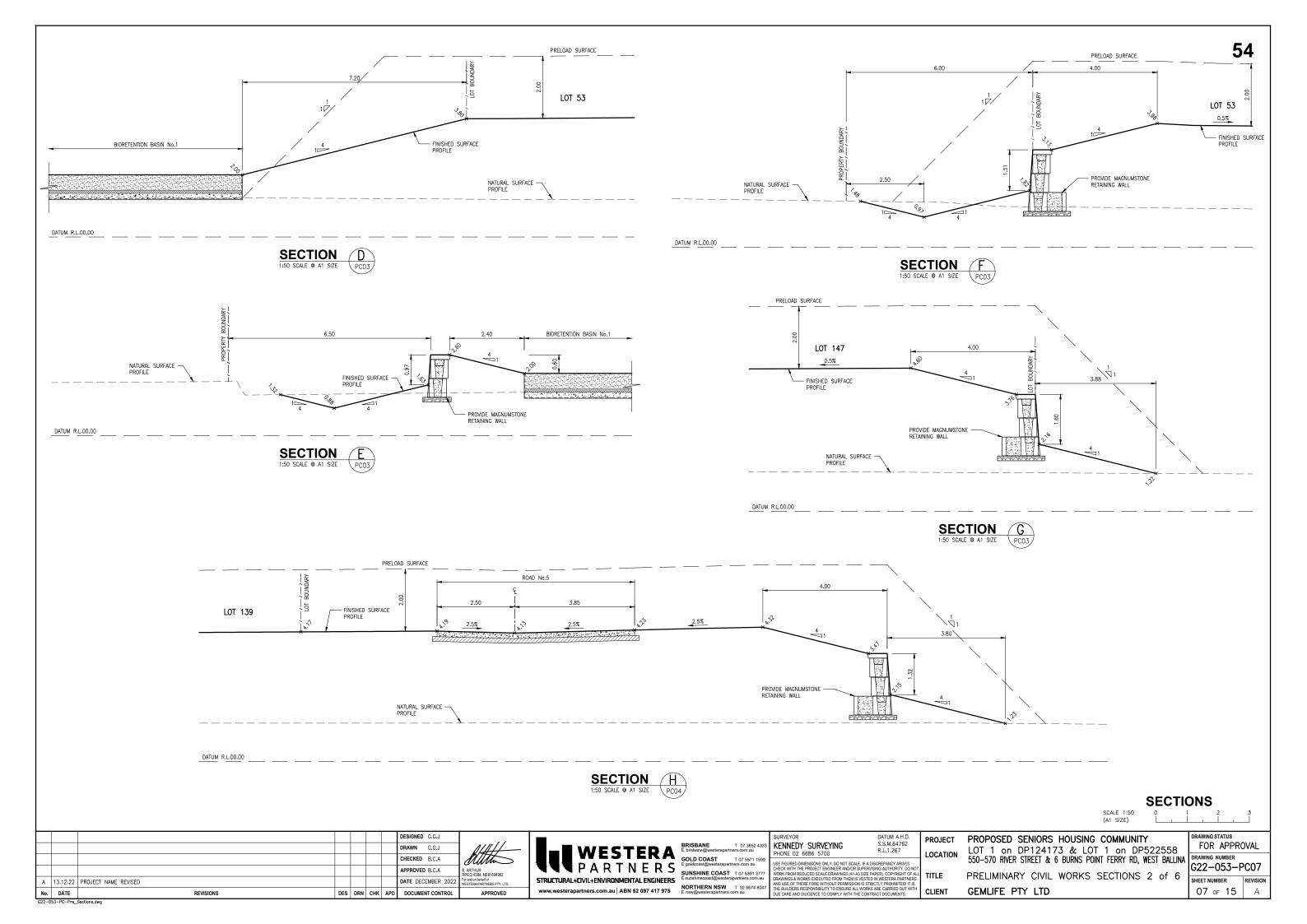


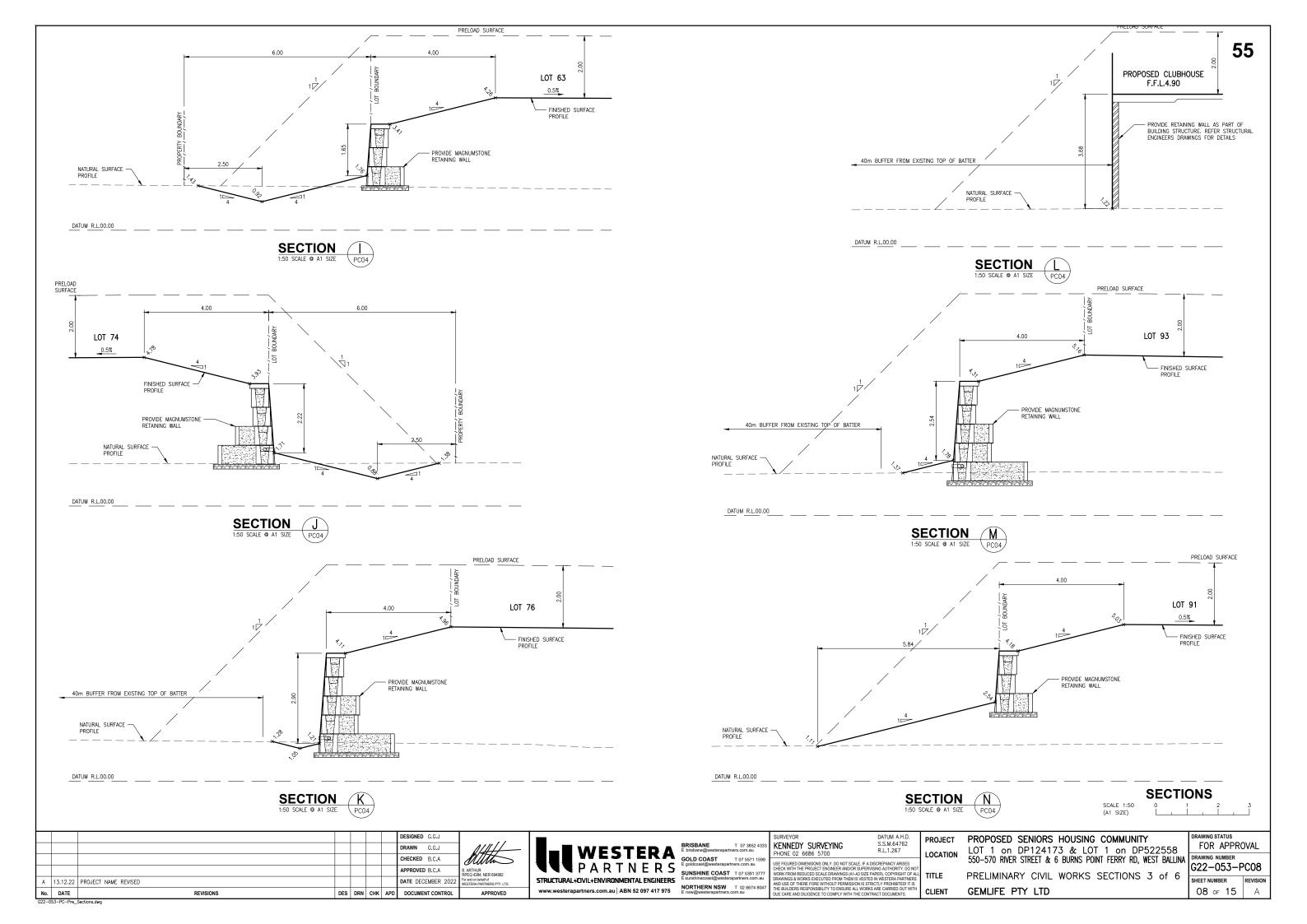


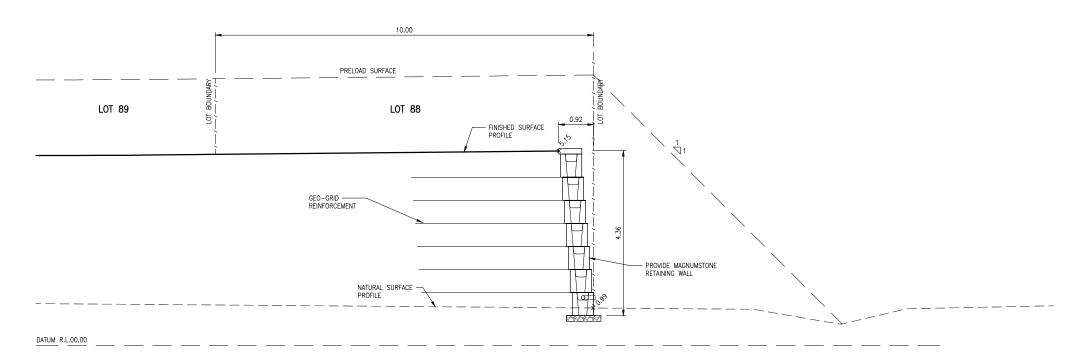




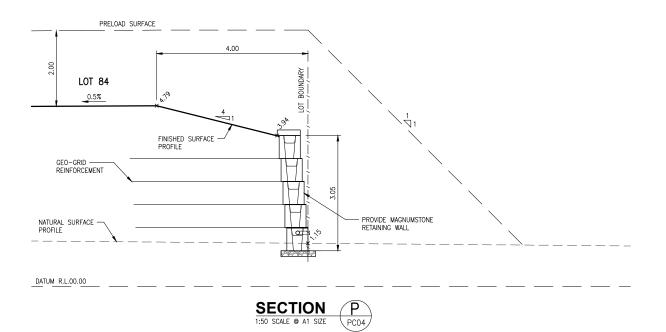












SECTIONS

SCALE 1:50 (A1 SIZE)

	No.	DATE 53-PC-Pre_	REVISIONS	DES	DRN	CHK	APD	DOCUMENT CONTROL
DRAWN G.G.J CHECKED B.C.A APPROVED B.C.A								
DRAWN G.G.J CHECKED B.C.A	Α	13.12.22	PROJECT NAME REVISED					DATE DECEMBER 2022
DRAWN G.G.J								APPROVED B.C.A
								CHECKED B.C.A
DESIGNED G.G.J								DRAWN G.G.J
								DESIGNED G.G.J



\	BRISBANE T 07 3852 4333 E brisbane@westerapartners.com.au	K
=	GOLD COAST T 07 5571 1599 E goldcoast@westerapartners.com.au	USI
J S	SUNSHINE COAST T 07 5391 3777 E sunshinecoast@westerapartners.com.au	WC DR
	NORTHERN NSW T 02 6674 8047 E nsw@westerapartners.com.au	THE

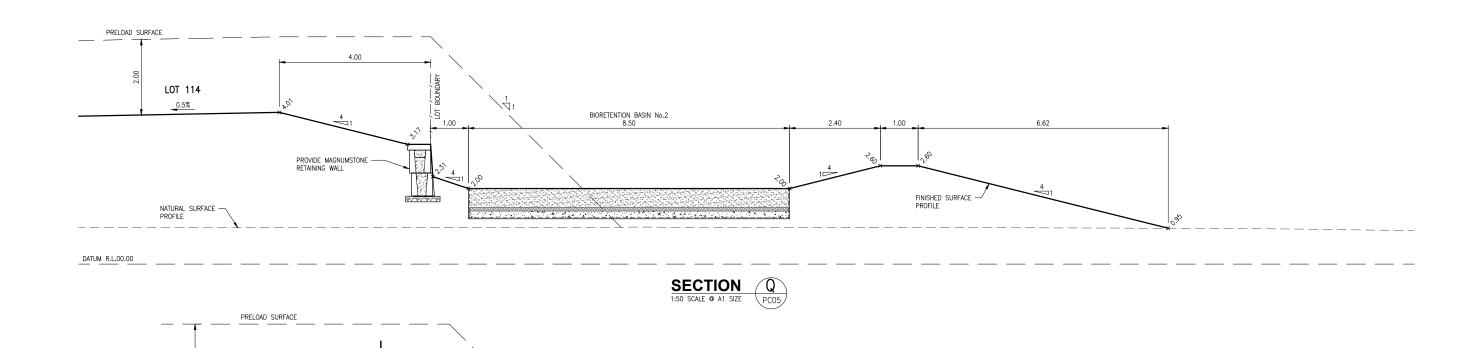
SURVEYOR KENNEDY SURVEYING PHONE 02 6686 5700	DATUM A.H.D. S.S.M.64762 R.L.1.267
USE FIGURED DIMENSIONS ONLY. DO NOT SCALE, IF A CHECK WITH THE PROJECT ENDINEER ANDIOR SUPERVINCK FROM REDUCED SCALE DRAWINGS (A) "A4 SIZE DRAWINGS AWORKS EXECUTED FROM THEM IS VEST AND USE OF THERE FORE WITHOUT PERMISSION IS STHE BUILDERS RESPONSIBILITY TO ENDIRE ALL WORD DILE CARE AND DUESCHE TO COMPLY WITH THE CONDITION OF THE PROJECT OF THE PROJ	RVISING AUTHORITY. DO NOT PAPER). COPYRIGHT OF ALI ED IN WESTERA PARTNERS TRICTLY PROHIBITED! IT IS KS ARE CARRIED OUT WITH

PROJECT	PROPOSED SENIORS HOUSING
LOCATION	LOT 1 on DP124173 & LOT 550-570 RIVER STREET & 6 BURNS POIN
TITLE	PRELIMINARY CIVIL WORKS

CLIENT

	PROPOSED SENIORS HOUSING COMMUNITY
ı	LOT 1 on DP124173 & LOT 1 on DP522558 550-570 RIVER STREET & 6 BURNS POINT FERRY RD, WEST BALLIN
	330-370 RIVER STREET & O DORNS FORM FERRI RD, WEST BALLIN
	PRELIMINARY CIVIL WORKS SECTIONS 4 of 6
	GEMLIFE PTY LTD

	DRAWING STATUS FOR APPRO	OVAL	
NA	DRAWING NUMBER G22-053-PC09		
)	SHEET NUMBER	REVISION	
	09 of 15	A	



SECTION R 1:50 SCALE @ A1 SIZE PC05

SECTIONS

SCALE 1:50 (A1 SIZE)

RIVER STREET

	53-PC-Pre_:		DES	DKN	CHK	APD	DOCUMENT CONTROL	L
No.	DATE	REVISIONS	DES	DRN	CUIV	APD	DOCUMENT CONTROL	Ī
Α	13.12.22	PROJECT NAME REVISED					DATE DECEMBER 2022	F
							APPROVED B.C.A	
							CHECKED B.C.A	
							DRAWN G.G.J	
							DESIGNED G.G.J	

PROPOSED MANAGERS UNIT F.F.L.3.20

NATURAL SURFACE -PROFILE

PROVIDE MAGNUMSTONE RETAINING WALL

	WESTERA PARTNERS
l	PARTNERS
l	STRUCTURAL+CIVIL+ENVIRONMENTAL ENGINEERS
1	www.westerapartners.com.au ABN 52 097 417 975

	BRISBANE T 07 3852 4333 E brisbane@westerapartners.com.au	K P
	GOLD COAST T 07 5571 1599 E goldcoast@westerapartners.com.au	US
:	SUNSHINE COAST T 07 5391 3777 E sunshinecoast@westerapartners.com.au	W
	NORTHERN NSW T 02 6674 8047	Al Ti-

— FINISHED SURFACE PROFILE

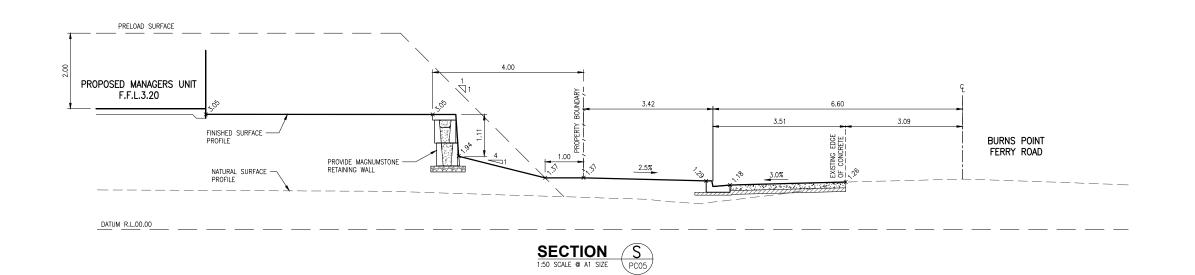
KENNEDY SURVEYING PHONE 02 6686 5700	S.S.M.64762 R.L.1.267
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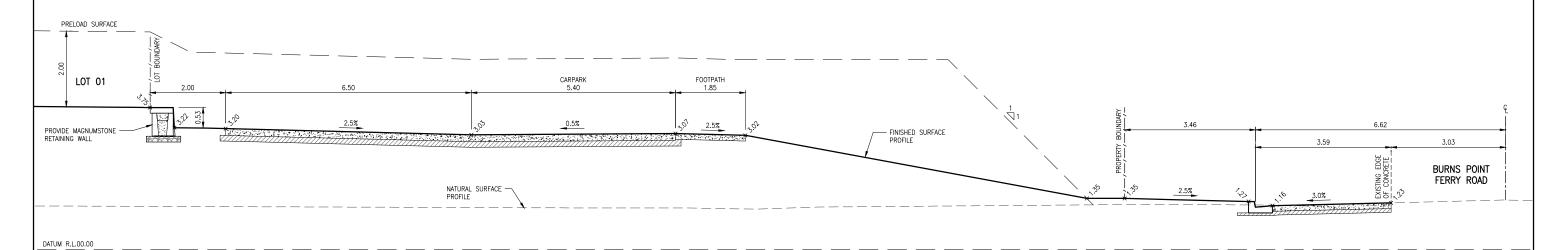
PROJECT	PROPOSED	SI
LOCATION	LOT 1 on 550–570 RIVER	
	DDE: 11.411.14	<i>.</i>

CLIENT

PROPOSED SENIORS HOUSING COMMUNITY
LOT 1 on DP124173 & LOT 1 on DP522558
550-570 RIVER STREET & 6 BURNS POINT FERRY RD, WEST BALLIN
PRELIMINARY CIVIL WORKS SECTIONS 5 of 6
GEMLIFE PTY LTD

	DRAWING STATUS FOR APPRO	OVAL
A	DRAWING NUMBER G22-053-F	C10
	SHEET NUMBER	REVISION
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SECTION T 1:50 SCALE @ A1 SIZE PC05

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							APPROVED B.C.A	l
							CHECKED B.C.A	
							DRAWN G.G.J	l
							DESIGNED G.G.J	Γ



■ WESTERA	BRISBANE T 07 385 E brisbane@westerapartners.com.ac
PARTNERS	GOLD COAST T 07 557 E goldcoast@westerapartners.com.a
TURAL+CIVIL+ENVIRONMENTAL ENGINEERS	SUNSHINE COAST T 07 539 E sunshinecoast@westerapartners.c
vesterapartners.com.au ABN 52 097 417 975	NORTHERN NSW T 02 667 E nsw@westerapartners.com.au

RISBANE T 07 3852 4333 brisbane@westerapartners.com.au	KEN PHOT
OLD COAST T 07 5571 1599 goldcoast@westerapartners.com.au	USE FI
UNSHINE COAST T 07 5391 3777 sunshinecoast@westerapartners.com.au	WORK DRAWI AND US
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SURVEYOR KENNEDY SURVEYING PHONE 02 6686 5700	DATUM A.H.D. S.S.M.64762 R.L.1.267
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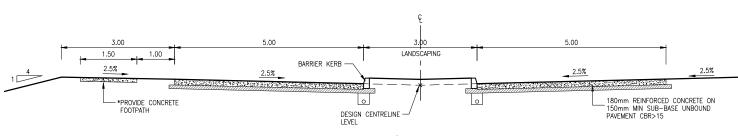
PROJECT	PROF
LOCATION	LOT 550-5
TIT1 F	חחרו

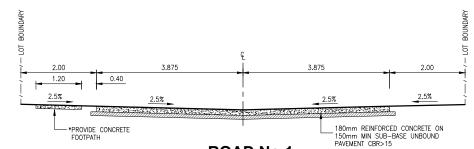
CLIENT

OPOSED SENIORS HOUSING COMMUNITY
T 1 on DP124173 & LOT 1 on DP522558
-570 RIVER STREET & 6 BURNS POINT FERRY RD, WEST BALLINA PRELIMINARY CIVIL WORKS SECTIONS 6 of 6 GEMLIFE PTY LTD

SCALE 1:50 (A1 SIZE)

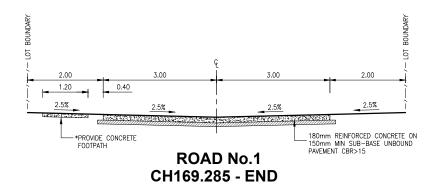
	DRAWING STATUS FOR APPROVAL				
A	DRAWING NUMBER G22-053-PC11				
	SHEET NUMBER	REVISION			
	OHEET NOMBER	INCENTION			
	11 of 15	A			





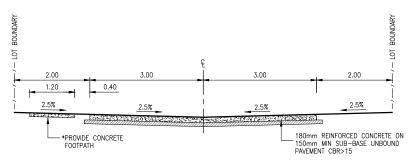
ROAD No.1 CH115.952 - CH164.142

ROAD No.1 CH0.000 - CH79.033

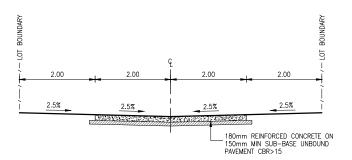


TYPICAL CROSS SECTIONS

SCALE 1:50 @ A1 SIZE



ROAD No.2 & 5 (PART) TYPICAL CROSS SECTIONS



ROAD No.3, 4, 5 (PART), 6 & 7 TYPICAL ROAD CROSS SECTION

*FOOTPATH NOTE:
REFER LAYOUT PLANS FOR LOCATION
OF CONCRETE FOOTPATHS.

SECTIONS

000 0	C7 DO D						
No.	DATE	REVISIONS	DES	DRN	СНК	APD	DOCUMENT CONTROL
Α	13.12.22	PROJECT NAME REVISED					DATE DECEMBER 2022
							APPROVED B.C.A
							CHECKED B.C.A
							DRAWN G.G.J
							DESIGNED G.G.J

Δ	BRISBANE T 07 3852 4333 E brisbane@westerapartners.com.au	
_	GOLD COAST T 07 5571 1599 E goldcoast@westerapartners.com.au	-
28:	SUNSHINE COAST T 07 5391 3777 E sunshinecoast@westerapartners.com.au	1
75	NORTHERN NSW T 02 6674 8047	1

	SURVEYOR	DATUM A.H.D.
3	KENNEDY SURVEYING	S.S.M.64762
-	PHONE 02 6686 5700	R.L.1.267
9	USE FIGURED DIMENSIONS ONLY, DO NOT SCALE.	IF A DISCREPANCY ARISES
	CHECK WITH THE PROJECT ENGINEER AND/OR SL	
7	WORK FROM REDUCED SCALE DRAWINGS (A1-A3	
	DRAWINGS & WORKS EXECUTED FROM THEM IS V AND USE OF THERE FORE WITHOUT PERMISSION	
7	THE BUILDERS RESPONSIBILITY TO ENSURE ALL V	
	DUE CARE AND DILIGENCE TO COMPLY WITH THE	CONTRACT DOCUMENTS.

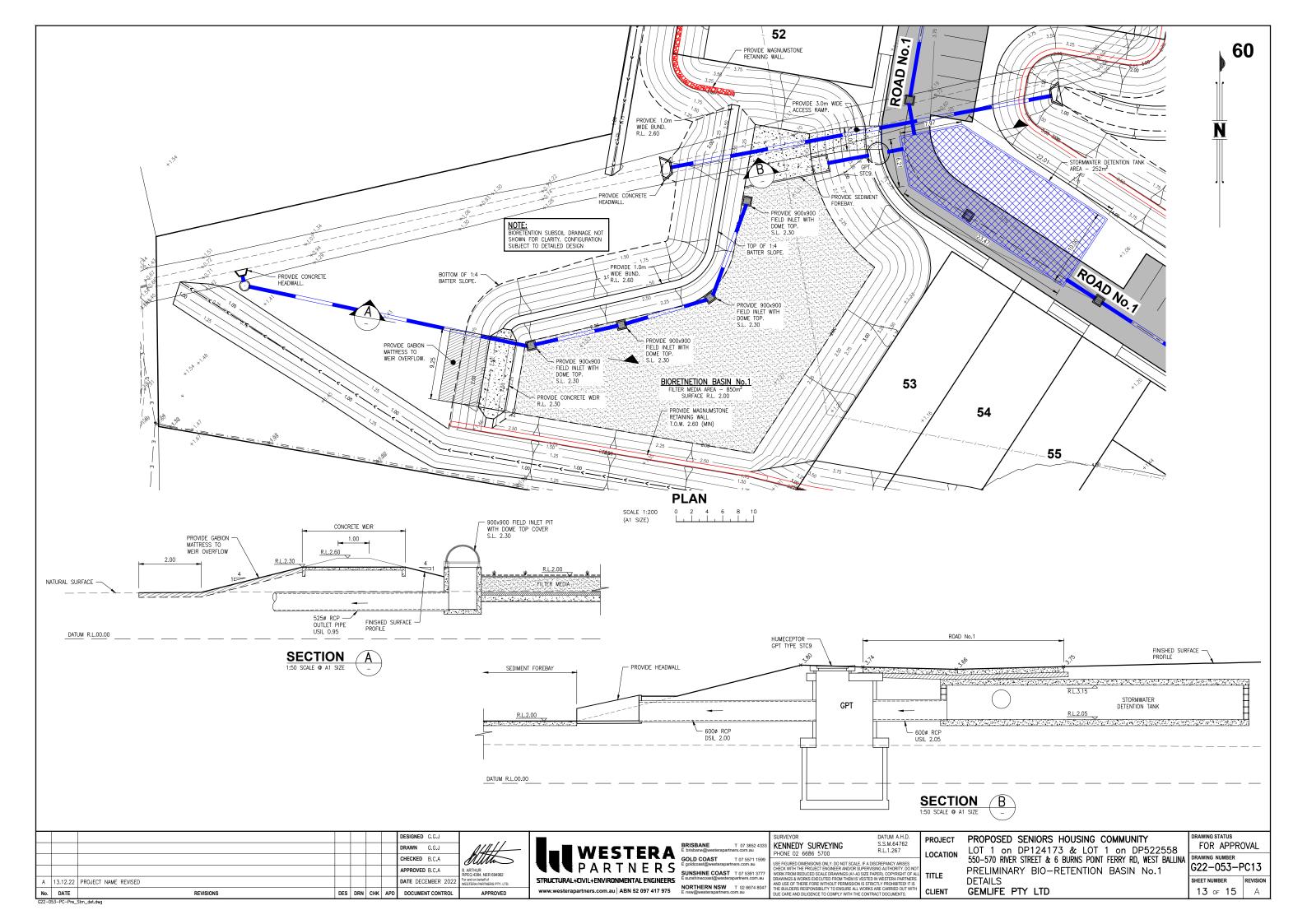
PROJECT LOCATION

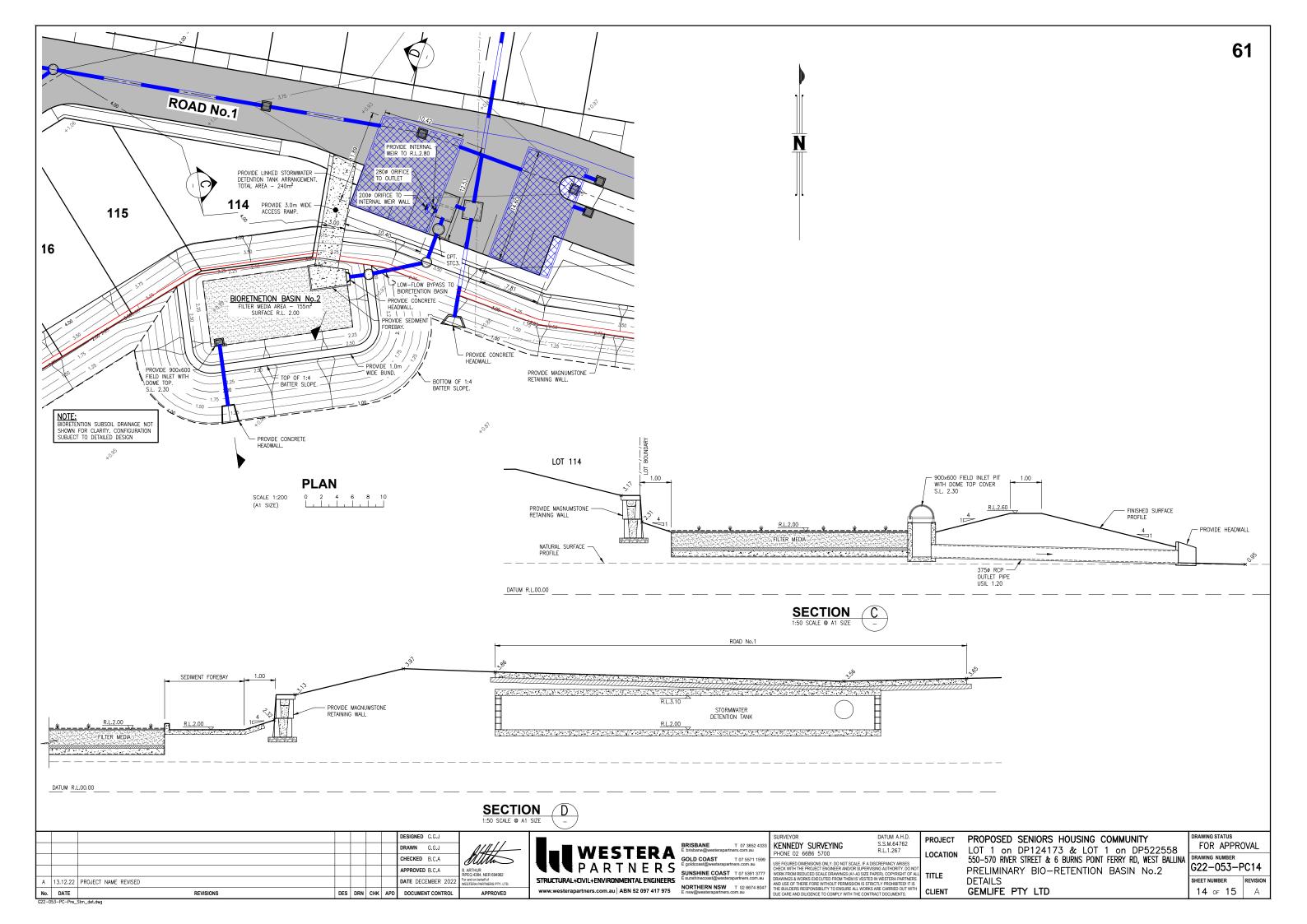
CLIENT

PROPOSED SENIORS HOUSING COMMUNITY LOT 1 on DP124173 & LOT 1 on DP522558 550-570 RIVER STREET & 6 BURNS POINT FERRY RD, WEST BALLINA PRELIMINARY ROAD TYPICAL CROSS SECTIONS

GEMLIFE PTY LTD

		R A	PPR(DVAL		
A	G22-	DRAWING NUMBER G22-053-PC12				
	SHEET N	UMBE	R	REVISION		
	12	OF	15	A		





NOTES

- PLEASE ASK IF THERE ARE ANY DOUBTS REGARDING DETAILS SUPPLIED ON THIS DRAWING.
- GENERAL CONSTRUCTION AND PROCUREMENT CONSIDERATIONS SHALL COMPLY WITH THE LATEST VERSION OF THE HEALTHY WATERWAYS QUIDELINE FOR CONSTRUCTION AND ESTABLISHMENT OF VEGETATED STORMWATER MANAGEMENT SYSTEMS. WHERE CONFLICT EXISTS BETWEEN THE GUIDELINE AND THE SPECIFICATIONS ON THIS DRAWING THE SPECIFICATIONS ON THIS DRAWING SHALL BE FOLLOWED.
- THE HYDRAULIC CONDUCTIVITY OF POTENTIAL FILTER MEDIA SHOULD BE MEASURED USING THE ASTM F1815-06 METHOD. TESTING SHOULD BE UNDERTAKEN AT LEAST (i) ONE MONTH FOLLOWING COMMENCEMENT OF OPERATION

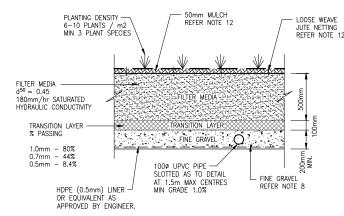
IN THE SECOND YEAR OF OPERATION TESTING SHOULD BE CHECKED AT A MINIMUM OF THREE POINTS WITHIN THE SYSTEM.

THE FOLLOWING PARTICLE SIZE DISTRIBUTION FOR FILTER MEDIA IS A GUIDE FOR SELECTING AN APPROPRIATE MATERIAL

CLAY & SILT VERY FINE SAND 5-30% (<0.05 - 0.15mm)10-30% MEDIUM TO COARSE SAND 40-60% (<0.25 - 1.0mm) COARSE SAND 7-10% (<1.0 - 2.0mm) FINE GRAVEL < 3% (<2.0 - 3.4mm)

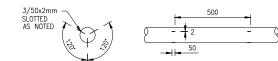
THE FILTER MEDIA SHOULD BE WELL GRADED IE, IT SHOULD HAVE ALL PARTICLE SIZE RANGES PRESENT FROM THE 0.075mm TO THE 4.75mm. THERE SHOULD BE NO GAP IN THE PARTICLE SIZE GRADING, AND THE COMPOSITION SHOULD NOT BE DOMINATED BY A SMALL PARTICLE SIZE RANGE.

- SOIL PROPERTIES AS4419-2003 (SOILS FOR LANDSCAPING & GARDEN USE) FILTER MEDIA THAT DOES NOT MEET THE FOLLOWING SPECIFICATION WILL BE REJECTED :
 - i) ORGANIC MATTER CONTENT LESS THAN 5 % (w/w)
 - ii) PH 5.5 7.5
 - iii) ELECTRICAL CONDUCTIVITY (E/C) < 1.2 dS/m
 - iv) PHOSPHORUS < 100mg/kg
 - v) ORTHOPHOSPHATE < 40mg/kg
- POTENTIAL FILTER MEDIA SHOULD BE ASSESSED BY A HORTICULTURALIST TO ENSURE THAT THEY ARE CAPABLE OF SUPPORTING A HEALTHY VEGETATION COMMUNITY.
- THE TRANSITION LAYER MATERIAL IS TO BE A CLEAN WELL GRADED SAND/COARSE SAND MATERIAL CONTAINING LITTLE OR NO FINES.
- THE DRAINAGE LAYER IS TO BE CLEAN, FINE GRAVEL, SUCH AS 2-5mm WASHED SCREENINGS.
- THE FILTER MATERIAL IS TO BE LIGHTLY COMPACTED DURING INSTALLATION TO PREVENT MIGRATION OF FINE PARTICLES. IN SMALL SYSTEMS, A SINGLE PASS WITH A VIBEATING PLATE, WHILE IN LARGE SYSTEMS A SINGLE PASS WITH A ROLLER MACHINERY (eg. A DRUM LAWN ROLLER) WILL BE ADEQUATE. FILTER MEDIA SHOULD BE INSTALLED IN TWO LIFTS UNLESS THE DEPTH
- FILTER MEDIA SHALL COMPLY WITH THE LATEST VERSION OF THE FAWB GUIDELINES FOR SOIL FILTER MEDIA IN BIO-RETENTION SYSTEMS. WHERE CONFLICT EXISTS BETWEEN THE FAWB GUIDELINE AND THE SPECIFICATIONS ON THIS DRAWING THE SPECIFICATIONS ON THIS DRAWING SHALL BE FOLLOWED.
- LANDSCAPING, SUCH AS PLANTING AND MULCH SHALL COMPLY WITH THE LATEST VERSION OF THE HEALTHY WATERWAYS GUIDELINE FOR CONSTRUCTION AND ESTABLISHMENT OF VEGETATED STORMWATER MANAGEMENT SYSTEMS. PLANT SPECIES TO BE IN ACCORDANCE WITH LOCAL CITY COUNCIL REQUIREMENTS.
- MULCH SHALL BE ORGANIC FRIABLE MULCH THAT DEGRADES WITHIN 6 MONTHS EG. FINE SUGAR CANE OR TEA TREE MULCH. MULCH TYPE TO BE CONFIRMED WITH DESIGNER PRIOR TO PROCUREMENT OR INSTALLATION. THE MULCH SHALL BE PINNED DOWN WITH LOOSE WEAVE JUTE NETTING AND PINNED AT NOT MORE THAN 500mm CENTRES. HEAVY DUTY MATTING EG. 500gsm JUTE MAT, SHALL BE AVOIDED.



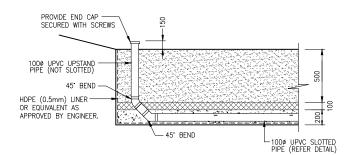
FILTER MEDIA SECTION

(NOT TO SCALE)



TYPICAL SLOTTED PIPE DETAILS

(NOT TO SCALE)



TYPICAL UPSTAND PIPE DETAILS

(NOT TO SCALE)

							DESIGNED G.G.J	
							DRAWN G.G.J	
							CHECKED B.C.A	
							APPROVED B.C.A	
Α	13.12.22	PROJECT NAME REVISED					DATE DECEMBER 2022	
No.	DATE	REVISIONS	DES	DRN	СНК	APD	DOCUMENT CONTROL	
G22-0	22-053-PC-Pre_Stm_det.dwg							





BRISBANE T 07 3852 4333 E brisbane@westerapartners.com.au	SURVEYOR KENNEDY SURVEYING PHONE 02 6686 5700	DATUM A.H.D. S.S.M.64762 R.L.1.267
GOLD COAST T 07 5571 1599 E goldcoast@westerapartners.com.au SUNSHINE COAST T 07 5391 3777 E sunshinecoast@westerapartners.com.au NORTHERN NSW T 02 6674 8047 E nsw@westerapartners.com.au	USE FIGURED DIMENSIONS ONLY, DO NOT SCALE, IF A DI CHECK WITH THE PROJECT ENGINEER AND/OR QUIPERWIN WORK FROM REDUCED SCALE DEVANIONS, IAT AS SIZE P DRAWINGS & WORKS ELECUTED FROM THEM IS VESTED AND USE OF THERE FORE WITHOUT PERMISSION IS STRI THE BUILDERS RESPONDBLITTY DO BANGE ALL WORKS DIE CARE AND DILIGENCE TO COMPLY WITH THE CONTR	SING AUTHORITY. DO APER). COPYRIGHT OI IN WESTERA PARTNE CTLY PROHIBITED! IT ARE CARRIED OUT W

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T WITH	CLIENT

PROJECT

PROPOSED SENIORS HOUSING COMMUNITY LOT 1 on DP124173 & LOT 1 on DP522558 550-570 RIVER STREET & 6 BURNS POINT FERRY RD, WEST BALLINA PRELIMINARY BIO-RETENTION BASIN TYPICAL NOTES & DETAILS GEMLIFE PTY LTD

	DRAWING STATUS	N/A1			
	FOR APPROVAL DRAWING NUMBER				
Α					
,	DRAWING NUMBER G22-053-PC15				
	SHEET NUMBER	REVISION			

15 of 15



ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITIES STANDARD DRAWINGS & SPECIFICATIONS AND COMPLETED TO THE SATISFACTION OF THE SUPERINTENDENT AND LOCAL AUTHORITY.

UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH

PRIOR TO THE COMMENCEMENT OF CONSTRUCTION THE CONTRACTOR MUST LOCATE ALL EXISTING SERVICES AND PROMPTLY PROVIDE THE LOCATION DATA TO THE DESIGN ENGINEER TO ASSESS IMPACTS ON THE DESIGN.

ALL CONNECTIONS TO EXISTING SEWERS AND WATER MAINS ARE TO BE G5 CONSTRUCTED BY THE LOCAL AUTHORITY OR AN APPROVED CONTRACTOR.
THE CONTRACTOR IS TO ALLOW IN HIS CONTRACT SUM FOR THE COST OF ANY PROPOSED CONNECTIONS.

ALL SEWERS ARE TO BE 150MM DIA. U.P.V.C. CLASS SN8 RUBBER RING. JOINTED AND PROPERTY CONNECTIONS ARE TO BE 100MM DIA. U.P.V.C. CLASS SN6 RUBBER RING JOINTED AND PROPERTY CONNECTIONS ARE TO BE 100MM DIA. U.P.V.C. CLASS SN6 UNLESS NOTED OTHERWISE

THE PAVEMENT DEPTHS SHOWN ARE PRELIMINARY ONLY AND ARE TO BE VERIEIED FOLLOWING SUB-SOIL TESTS OF THE SUB-GRADE MATERIAL

ALL ROOFWATER CONNECTIONS FROM KERB ADAPTERS ARE TO BE 100MM DIA CLASS SN10 AT A MIN GRADE OF 1.0% UNLESS SHOWN OTHERWISE. ROOFWATER CONNECTIONS FROM FIELD INLETS OR GULLY PITS ARE TO BE 150MM DIA CLASS SN8 AT A MIN GRADE OF 1.0% UNLESS NOTED OTHERWISE.

ALL U.P.V.C. STORMWATER DRAINAGE PIPES ARE TO BE CLASS SN8 AND ALL R.C. AND F.R.C. PIPES ARE TO BE CLASS 3 RUBBER RING JOINTED UP TO ANI INCLUDING 600 DIA. PIPES OVER 600 DIA. ARE TO BE CLASS 3 AND ARE TO HAVE AN EXTERNAL RUBBER BAND JOINT GROUTED INTERNALLY

WATER PIPES SHALL BE;

- P.V.C.-M WATER PIPES ARE TO BE SERIES 2 PN16 SN10 R.R.J.

- D.I.C.L. WATER PIPES ARE TO BE PN35 WITH ALL FITTINGS TO BE FUSION

BONDED POLYMERIC COATED.
PE WATER PIPES ARE TO BE PN16 SDR11 PE100. DN25 AND DN32 WATER

SERVICES SHALL BE PE80B.

ALL "AS CONSTRUCTED" INFORMATION IS TO BE RECORDED AS REQUIRED BY THE LOCAL AUTHORITY AND SUBMITTED TO THE SUPERINTENDENT IMMEDIATELY AFTER COMPLETION OF THE WORKS.

ALL ALLOTMENTS ARE TO BE GRADED AT A MINIMUM GRADE OF 1 IN 200.

CONCRETE NOTES

ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600 CONCRETE STRUCTURES CODE AND THE REFERENCED STANDARDS THEREIN.

THE CONCRETE STRENGTH GRADE AND THE COVER TO REINFORCEMENT FOR THE VARIOUS CONCRETE ELEMENTS SHALL BE AS LISTED BELOW:

- CLIMATE ZONE: TROPICAL TEMPERATE ARIQ

- LOCATION: COASTAL NEAR COASTAL INLAND

EXPOSURE CLASSIFICATION	STRENGTH GRADE	MINIMUM COVER				
B1	N32	40				
C2	S50	65				
B1	N32	40				
C2	S50	65				
B1	N32	40				
C2	S50	65				
B1	N32	40				
B1	N32	-				
B1	N32	40				
B1	N32	30*				
C2	S50	60*				
B1	N32	40				
C2	S50	65				
	B1	CLÄSSIFICATION GRADE B1 N32 C2 S50 B1 N32 C2 S50 B1 N32 C2 S50 B1 N32 B1 N32				

CONCRETE TO HAVE A MAXIMUM AGGREGATE SIZE OF 20mm WITH 80mm MAXIMUM SLUMP, A WATER/CEMENT RATIO OF NOT GREATER THAN 0.65 AND A MAXIMUM FINAL BASIC DRYING SHRINKAGE STRAIN OF 800 x 10, UNLESS

NO ADDITIVES SHALL BE ADDED OF APPLIED TO THE CONCRETE MIX WITHOUT THE APPROVAL OF THE ENGINEER.

THE MAXIMUM PERMISSIBLE TRANSPORT TIME FOR CONCRETE BETWEEN BATCHING AND PLACEMENT ON SITE SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE.

AMBIENT AIR TEMPERATURE	MAX. BATCHING TO PLACEMENT TIME	
10° - 24°C 25° - 27°C 28° - 30°C 31° - 33°C 34° - 36°C 37°C+	120 MINUTES 90 MINUTES 60 MINUTES 45 MINUTES 45 MINUTES NO PLACEMENT OF CONCRETE UNLESS CHILLED WATER OR ICE IN MIX	

ALL CONCRETE SHALL BE MECHANICALLY VIBRATED. VIBRATORS SHALL NOT BE USED TO SPREAD CONCRETE.

ALL CONCRETE SHALL BE SAMPLED AND TESTED IN ACCORDANCE WITH AS1379 ADOPTING THE PROJECT ASSESSMENT METHOD FOR COMPRESSIVE STRENGTH AND SLUMP COMPLIANCE THE RESULTS OF ALL TESTS SHALL BE PROMPTLY SUBMITTED. TO THE ENGINEER FOR REVIEW.

WHEN THE AIR TEMPERATURE EXCEEDS 30°C, ALIPHATIC ALCOHOL SHALL BE APPLIED TO THE CONCRETE SURFACE OF SLABS IMMEDIATELY AFTER THE INITIAL SCREED AND AGAIN AFTER BULL FLOATING.

CURING OF ALL CONCRETE SURFACES SHALL COMMENCE IMMEDIATELY AFTER COMPLETING CONCRETE FINISHING AND SHALL CONTINUE FOR 7 DAYS.

CONTRACTOR TO CONFIRM METHOD OF CURING WITH ENGINEER PRIOR TO USE.

SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.

BEAM DEPTHS ARE WRITTEN FIRST AND INCLUDE SLAB THICKNESS, IF ANY.

NO HOLES, CHASES OR EMBEDDED ITEMS OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT PRIOR APPROVAL OF THE ENGINEER, CONDUITS, PIPES ETC. SHALL NOT BE PLACED IN THE COVER THICKNESS OF THE CONCRETE.

WHERE SERVICE PIPES PENETRATE CONCRETE ELEMENTS, PROVISION SHOULD BE MADE TO ALLOW FOR MOVEMENT OF THE ELEMENT.

FORMWORK SHALL BE DESIGNED, CONSTRUCTED AND STRIPPED IN ACCORDANCE WITH AS3610 FORMWORK CODE, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY SHOWN C15 IN TRUE PROJECTION OR SCALE.

ALL REINFORCEMENT SHALL BE SECURELY SUPPORTED IN ITS CORRECT POSITION C16 ON PLASTIC BAR CHAIRS, GENERALLY AT NOT GREATER THAN 800mm CENTRES IN BOTH DIRECTIONS.

WELDING AND HEATING OF REINFORCEMENT SHALL NOT BE PERMITTED WITHOUT APPROVAL OF THE ENGINEER.

ALL STEEL REINFORCEMENT IN CONCRETE ELEMENTS SHALL BE INSPECTED BY THE ENGINEER AND PASSED PRIOR TO POURING OF ANY CONCRETE.

LAP REINFORCEMENT ONLY AT LOCATIONS SHOWN ON THE DRAWINGS OR AS APPROVED BY THE ENGINEER.

SLAB FABRIC SHALL BE LAPPED ONE FULL PANEL OF FABRIC PLUS 50m SO THAT THE TWO OUTERMOST TRANSVERSE WIRES OF ONE SHEET OVERLAP THE TWO OUTERMOST TRANSVERSE WIRES OF THE SHEET BEING LAPPED BY 50mm.

BAR REINFORCEMENT SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING TABLE.

TYPICAL BAR REINFORCEMENT LAP LENGTHS					
BAR	LAP LENGTH UNO	HORIZONTAL BARS WITH GREATER THAN 300mm OF CONCRETE CAST BELOW THEM			
N12	550	750			
N16	800	1100			
N20	1100	1400			
N24	1250	1600			
N28	1400	1800			
N32	1600	2100			
N36	2000	2500			

WHERE LAPS ARE SHOWN ON THE DRAWINGS THE ABOVE LAP LENGTHS SHALL BE ADOPTED UNLESS NOTED OTHERWISE. WHERE BARS OF DIFFERENT DIAMETER ARE SHOWN LAPPED, ADOPT THE LAP LENGTH APPROPRIATE TO THE SMALLER DIAMETER BAR.

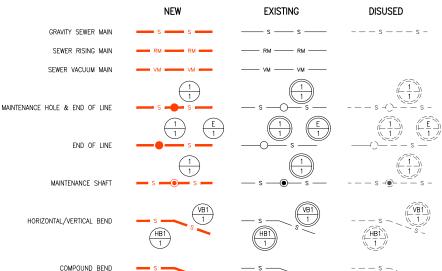
A VAPOUR BARRIER OF 0.2mm (200um) MINIMUM THICK POLYTHENE SHEETING SHALL BE PLACED BENEATH SLABS ON GROUND UNLESS NOTED OTHERWISE.

LEGEND

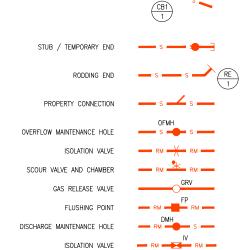
WATER

	NEW	EXISTING	DISUSED
WATER MAIN	w w	— w — w —	ww-
FIRE HYDRANT	ww	ww	w - + w -
DUAL OUTLET FIRE HYDRANT	W DFH	w o bfH _w	w - DFH w -
WABBING DUAL OUTLET FIRE HYDRANT	w SDFH		
SWABBING FIRE HYDRANT	w w SFH	w w	$ {\rm w} {\rm w} = 0$
ISOLATION VALVE	w w	—— w — <u>X v</u> w ——	w \bigstar^{ν} w -
SCOUR VALVE	w w	w <u>*</u> w	w [*] w-
AIR VALVE	ww	w w	w -\^AV w -
DEAD END	— w — w —	—— w —— w ——]	$ \mathtt{w} \mathtt{w} \exists$
TEST/CHLORINATION POINT	— w — w —		
REDUCER	150 w w 100	W -> W 100	$-\frac{150}{}$ — W $>$ — $\frac{100}{}$ W -
PIPE MATERIAL CHANGE	PVC W DICL		$-\frac{PVC}{-}$ - w $+$ - $\frac{DICL}{-}$ W -
WATER SERVICE PRE-TAPPED TEE	— w — w —		
WATER SERVICE PIPE & CONDUIT			
FLOW METER	w w		
FLUSHING POINT	wF w		

SEWERAGE



(CB1)



AND LEGEND

GEMLIFE PTY LTD

VENT POLE / ODOUR CONTROL UNIT

SURVEYOR DATUM A.H.D. KENNEDY SURVEYING PHONE 02 6686 5700

SE FIGURED DIMENSIONS ONLY, DO NOT SCALE, IF A DISCREPANCY ARISES CHECK WITH THE PROJECT ENGINEER ANDIOR SUPERVISING AUTHORITY. DO WORK FROM REDUCED SCALE DEANINGS (A1-AS SUE PAPER, OCPRIGHT OD PAWINGS & WORKS EXECUTED FROM THEM IS VESTED BY WESTERA PARTIN AND USE OF THERE FORE WITHOUT PERMISSION IS STRICTLY PROHIBITED IT THE BUILDERS RESPONSIBILITY TO ENSURE ALL WORKS ARE CARRIED OUT W. THE BUILDERS RESPONSIBILITY TO ENSURE ALL WORKS ARE CARRIED OU DUE CARE AND DILIGENCE TO COMPLY WITH THE CONTRACT DOCUMENTS

PROPOSED SENIORS HOUSING COMMUNITY PROJECT LOT 1 on DP124173 & LOT 1 on DP522558 LOCATION 550-570 RIVER STREET & 6 BURNS POINT FERRY RD, WEST BALLINA PRELIMINARY EXTERNAL ROADWORKS NOTES

RAWING STATUS FOR APPROVAL DRAWING NUMBER G22-053-PR01 HEET NUMBER 01 of 08

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G22-0	153_PR_Pre	Fx Notes dwa					
No.	DATE	REVISIONS	DES	DRN	СНК	APD	DOCUMENT CONTRO
Α	13.12.22	PROJECT NAME REVISED					DATE DECEMBER 20
							APPROVED B.C.A
							CHECKED B.C.A
							DRAWN G.G.J
							DESIGNED G.G.J



B. ARTHUR RPEQ 4384, NER 694962

T 07 3852 4333

GENERAL

REINFORCED CONCRETE PATHWAY/CROSSOVER

ASPHALTIC CONCRETE PAVEMENT

REINFORCED CONCRETE PAVEMENT

CEMENT GROUTED STONE PITCHING

TURF

STONE PITCHING

TELECOMMUNICATION

ELECTRICITY OVERHEAD

ELECTRICITY UNDERGROUND

GAS MAIN

POWER POLE

FENCE

STAGE BOUNDARY

NEW

2A

PIT (TELSTRA/ELEC)

EXISTING SURFACE LEVEL

FINISHED SURFACE LEVEL

STORMWATER DRAINAGE

STORMWATER PIPE

ON GRADE GULLY PIT

600 x 600 FIELD INLET

900 x 600 FIELD INLET

1050 DIA FIELD INLET

KERB ADAPTER WITH ROOFWATER PIPE STORMWATER STRUCTURE LABEL

SAG GULLY PIT

MANHOLE

HEADWALL

v LP v

× 2.53

EXISTING

