PROPOSED MANUFACTURED HOME ESTATE

LOT 1 on DP124173

550-578 RIVER STREET & BURNS POINT FERRY ROAD, WEST BALLINA

FOR

GEMLIFE PTY LTD

INDEX OF DRAWINGS

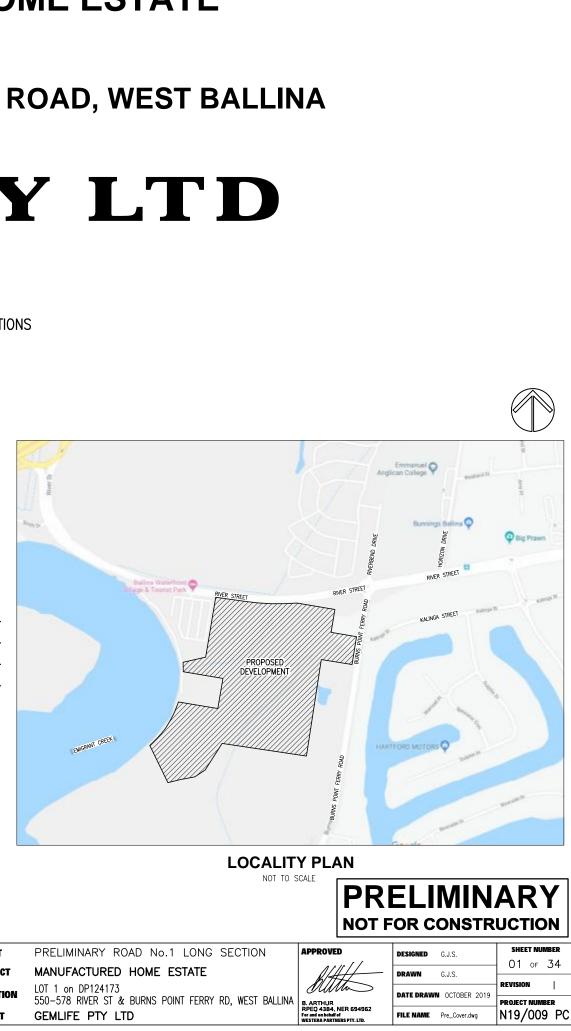
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| SUNSHINE COAST | | SURVEYOR | DATUM | No. | DATE | REVISIONS | SHEET | PRELIMINARY ROAD No.1 LONG SEC |
|---|--|--|--|--|--|---|--|--|
| 13 Norval Ct, Maroochydore | 17 Weich St, Southport | KENNEDY SURVEYING | A.H.D. | 1 | 22.07.2021 | REVISED DEVELOPMENT LAYOUT ISSUED FOR APPROVAL | DDOIEDT | MANUEACTURED HOME ESTATE |
| sunshinecoast@westerapartners.com.au | E goldcoast@westerapartners.com.au | PHONE (02) 6686-5700 | R.L. 1.267 | н | 19.04.2021 | BIORETENTION BASIN No.4 MOVED | PROJECT | MANUFACTURED HOME ESTATE |
| BRISBANE | | | | | 31.03.2021 | ISSUED FOR D.A. APPROVAL | LOCATION | LOT 1 on DP124173 |
| 33 Longland St, Newstead | 11 Sailfish Way, Kingscliff T 02 6674 8047 F 02 6674 8049 | DRAWINGS (A1-A3 SIZE PAPER). COPYRIGHT OF ALL DRAW THEM IS VESTED IN WESTERA PARTNERS AND USE OF TH | VINGS & WORKS EXECUTED FROM ERE FORE WITHOUT PERMISSION IS | | 24.07.2020 | EXTERNAL ROADWORKS DRAWINGS ADDED | | 550-578 RIVER ST & BURNS POINT FERRY RD, |
| T 07 3852 4333 F 07 3852 4777 E brisbane@westerapartners.com.au | E nsw@westerapartners.com.au | STRICTLY PROHIBITED! IT IS THE BUILDERS RESPONSIBILI CARRIED OUT WITH DUE CARE AND DILIGENCE TO COMPLY | TY TO ENSURE ALL WORKS ARE Y WITH THE CONTRACT DOCUMENTS. | A | 25.10.2019 | ISSUED FOR D.A. APPROVAL | CLIENT | GEMLIFE PTY LTD |
| | Suite 2, Noral Carporate Contro, 13 Noral CI, Marcochyder T 0431803357 sunshineceast@westerapartners.com.au BRISBANE Level 2 Limestore, 33 Longland St, Nowstead T 07 3352 4337 [F 07 3852 4777 | Suite 2, Norral Corporate Centre, Level 3 13 Norral CI, Marcedovykore 17 Wich 53, Southpert T 0431 603 337 T 075571 1539 [F 075571 1539 sunshineceast@westerapartners.com.au BRISBANE NORTHERN NSW Level 21 Linestere, 11 Saffish Way, Kingsdiff 33 Longiand 51, Newstead T 02 46/13 8071 [F 02 66/14 8007] | Suite 2, Monzi Cerporate Centro, TWeeks St, Southport 33 Norzh Car, Marcodowiene T 005571 1599 F 07 5571 1590 KENNEDY SURVEYING PHONE (02) 6686-5700 BRISBANE NORTHERN NSW Level 2 Limesteen, T 3alifash Way, Kingsdiff 33 Lengland 51, Newstead T 02 5674 8047 F 02 6674 8047 F 02 6674 8047 F 02 6678 8047 F 02 F07870 F 0411 DBAY T 07 3352 20477 F 02 6674 8047 F 02 6674 8047 F 02 6678 8047 F 02 5675 8047 F 03 F0782 PMERES AND USE OF F07870 F 07 5675 1000 F 0411 DBAY T 07 3352 20477 F 02 6674 8047 F 02 6678 8047 F 02 6678 8047 F 02 6678 8047 F 02 6678 8047 F 03 F0785 F 07 5875 500 F 0411 F | Suite 2, Moral Corporate Centre, 13 Moral CH, Marcochydere T 0431803337 Sunshineceast@westerapartners.com.au E goldcaast@westerapartners.com.au E goldcaast@westerapartne | Suite 2, Noval Corporate Centre, Levis 3 13 Noval Ct, Marcochydere TV Weich 35, Southport T 075711599 F 075571359 F 0755713 | Suite 2, Moral Caparate Centra, Level 3 13 Norral CL, Marcodovánem TV Wichs SJ, Southport 14 O431803 337 T 07 5571 559 F 07 5571 559 Sunshineceast@westerapartners.com.au E goldcoast@westerapartners.com.au BRISBANE NORTHERN NSW Level 2 Linestee, 15 Suffish Way, Kingsdiff 15 Suffish Way, Kingsdiff 17 02 6674 8047 F 02 6674 F 02 6674 F 02 6674 8047 F 02 6674 8047 | Suite 2, Moral Caparate Centre, 13 Noval Caparate Centre, 14 Odd 18 do 337 15 Noval Chapter Contre, 15 Noval Chapter C | Suite 2, lional Capparite Centre, 13 Norva C, Marcockydow 1 Wocks 35, southpent 1 Od51803337 1 Od51803337 1 Od51803437 1 Od5571599 F 075571599 E goldoast@westerapartners.com.au E go |

GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LOCAL G1 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 G2 THE RELEVANT AUSTRALIAN STANDARDS.
- THE LOCATION AND LEVEL OF ALL EXISTING SERVICES SHALL BE VERIFIED BEFORE CONSTRUCTION COMMENCES AND NOTWITHSTANDING THE INFORMATION SHOWN ON THE DRAWINGS, THE DESIGN OF CONSTRUCTION MAY BE ALTERED G3 TO SUIT BY THE SUPERINTENDENT
- ALL CONNECTIONS TO EXISTING SEWERS AND WATER MAINS ARE TO BE CONSTRUCTED BY THE LOCAL AUTHORITY OR AN APPROVED CONTRACTOR. THE CONTRACTOR IS TO ALLOW IN HIS CONTRACT SUM FOR THE COST OF ANY G4 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 G5 UNLESS NOTED OTHERWISE.
- THE PAVEMENT DEPTHS SHOWN ARE PRELIMINARY ONLY AND ARE TO VERIFIED FOLLOWING SUB-SOIL TESTS OF THE SUB-GRADE MATERIAL. G6
- G7 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 SNB AND ALL R.C. AND F.R.C. PIPES ARE TO BE CLASS 2 RUBBER RING JOINTED UP TO AND INCLUDING 500 DIA. PIPES OVER 600 DIA. APE TO DE CLASS 2 AND ARE TO HAVE AN EXTERNAL RUBBER BAND JOINT GROUTED INTERNALLY. G8
- G9
- WATER PIPES SHALL BE; P.Y.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.
- G10 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.
- G11 ALL ALLOTMENTS ARE TO BE GRADED AT A MINIMUM GRADE OF 1 IN 150.

CONCRETE NOTES

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600 CONCRETE STRUCTURES CODE AND THE REFERENCED STANDARDS THEREIN. C1
- THE CONCRETE STRENGTH GRADE AND THE COVER TO REINFORCEMENT FOR THE VARIOUS CONCRETE ELEMENTS SHALL BE AS LISTED BELOW: C2

| | SURFA CONTACT W | ces in Th ground | INTER SURFA | | EXTERIOR SURFACES | | |
|------------------|--------------------|---------------------|-------------------|-------|----------------------|-------|--|
| ELEMENT | STRENGTH GRADE | COVER | STRENGTH GRADE | COVER | STRENGTH GRADE | COVER | |
| MANHOLES | N32 | 50 | | | | | |
| FIELD INLET PITS | N32 | 50 | | | | | |
| DRIVEWAY SLAB | N32 | 50 | | | | | |
| KERB/CHANNEL | 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 C3 MAXIMUM FINAL BASIC DRYING SHRINKAGE STRAIN OF 800 x 10. UNLESS APPROVED OTHERWISE
- C4 NO ADDITIVES SHALL BE ADDED OF APPLIED TO THE CONCRETE MIX WITHOUT THE APPROVAL OF THE ENGINEER.
- C5 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 | 120 MINUTES |
| 25° – 27°C | 90 MINUTES |
| 28° – 30°C | 60 MINUTES |
| 31° – 33°C | 45 MINUTES |
| 34° – 36°C | 30 MINUTES |
| 37°C+ | 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. C6
- ALL CONCRETE SHALL BE SAMPLED AND TESTED IN ACCORDANCE WITH AS1379 ADOPTING THE PROJECT ASSESSMENT METHOD FOR COMPRESSIVE STRENGTH AND C7 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 C8 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. C9
- SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES. C10
- BEAM DEPTHS ARE WRITTEN FIRST AND INCLUDE SLAB THICKNESS, IF ANY. C11
- 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 C12 PLACED IN THE COVER THICKNESS OF THE CONCRETE

- WHERE SERVICE PIPES PENETRATE CONCRETE ELEMENTS, PROVISION SHOULD BE C13 MADE TO ALLOW FOR MOVEMENT OF THE ELEMENT.
- C14 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 TRUE PROJECTION OR SCALE
- ALL REINFORCEMENT SHALL BE SECURELY SUPPORTED IN ITS CORRECT POSITION ON PLASTIC BAR CHAIRS, GENERALLY AT NOT GREATER THAN 800mm CENTRES C16 IN BOTH DIRECTIONS.
- C17 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 C18 ENGINEER AND PASSED PRIOR TO POURING OF ANY CONCRETE.
- LAP REINFORCEMENT ONLY AT LOCATIONS SHOWN ON THE DRAWINGS OR AS C19 APPROVED BY THE ENGINEER.
- SLAB FABRIC SHALL BE LAPPED ONE FULL PANEL OF FABRIC PLUS 50mm C20 SO THAT THE TWO OUTERMOST TRANSVERSE WIRES OF ONE SHEET OVERLAP THE TWO OUTERMOST TRANSVERSE WIRES OF THE SHEET BEING LAPPED BY 50mm. C21 BAR REINFORCEMENT SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING TABLE.

| | TYPICAL BAR REINFORCEMEN | t 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

| | WATER |
|---------------|--|
| | |
| | WATER MAIN |
| | FIRE HYDRANT |
| KXXXXX | DUAL OUTLET FIRE HYDRANT |
| | SWABBING FIRE HYDRANT |
| | ISOLATION VALVE |
| 80808 | SCOUR VALVE |
| | AIR VALVE |
| | DEAD END |
| | |
| <u> </u> | TEST/CHLORINATION POINT |
| — E — | REDUCER |
| | PIPE MATERIAL CHANGE |
| O | |
| — T — C — E — | WATER SERVICE PRE-TAPPED TEE |
| | WATER SERVICE PIPE & CONDUIT |
| _//_ | FLOW METER |
| × 2.53 | |
| × 2.53 | FLUSHING POINT |
| — — 2.25 — — | |
| — — 2.25 — — | SEWERA |
| 2.25 | •= |
| 2.25 | GRAVITY SEWER MAIN |
| | _ ℓ ^P _O , _ ℓ ^P _O , - t − □ − ε − - / − / − / − × 2.53 × 2.53 - − 2.25 − − - − 2.25 − − - 2.25 − − |

STORMWATER DRAINAGE

| | NEW | EXISTING | |
|----------------------------------|------------|------------|--------------------------------|
| STORMWATER PIPE | | | |
| SAG GULLY PIT | | | MAINTENANCE HOLE & END OF LINE |
| ON GRADE GULLY PIT | | | END OF LINE |
| MANHOLE | \bigcirc | \bigcirc | |
| 600 x 600 FIELD INLET | | | MAINTENANCE SHAFT |
| 900 x 600 FIELD INLET | | | |
| 1050 DIA FIELD INLET | | | HORIZONTAL/VERTIVCAL BEND |
| HEADWALL | \square | | |
| KERB ADAPTER WITH ROOFWATER PIPE | -swd- | | COMPOUND BEND |
| STORMWATER STRUCTURE LABEL | 2A | | |
| | | | |

STUB / TEMPORARY END

LOW PRESSURE SEWER

SEWER VACUUM MAIN

RODDING END

PROPERTY CONNECTION

OVERFLOW MAINTENANCE HOLE

ISOLATION VALVE

SCOUR VALVE AND CHAMBER

GAS RELEASE VALVE

FLUSHING POINT

DISCHARGE MAINTENANCE HOLE

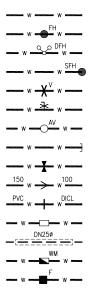
NON-RETURN/REFLUX VALVE

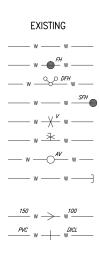
VENT POLE / ODOUR CONTROL UNIT

| | SUNSHINE COAST Suite 2, Norval Corporate Centre. | GOLD COAST | SURVEYOR | DATUM | No. | DATE | REVISIONS | SHEET | CIVIL NOTES AND LEGEND |
|---|---|--|--|-------------------------------------|---|------------|--|----------|--|
| WESTERA, | 13 Norval Ct, Maroochydore | 17 Weich St, Southport T 07 5571 1599 F 07 5571 1330 E goldcoast@westerapartners.com.au | KENNEDY SURVEYING PHONE (02) 6686-5700 | A.H.D. SSM 64762 R.L. 1.267 | | | | PROJECT | MANUFACTURED HOME ESTATE |
| PARTNERS | BRISBANE | NORTHERN NSW | USE FIGURED DIMENSIONS ONLY. DO NOT SCALE, IF A | A DISCREPANCY ARISES CHECK WITH THE | н | 22.07.2021 | REVISED DEVELOPMENT LAYOUT ISSUED FOR APPROVAL | LOCATION | LOT 1 on DP124173 |
| STRUCTURAL+CIVIL+ENVIRONMENTAL ENGINEERS | Level 2 Limestore, 33 Longland St, Newstead | I UZ 66/4 804/ F UZ 66/4 8049 | THEM IS VESTED IN WESTERA PARTNERS AND USE O | F THERE FORE WITHOUT PERMISSION IS | G | 31.03.2021 | ISSUED FOR D.A. APPROVAL | | 550-578 RIVER ST & BURNS POINT FERRY RD, V |
| www.westerapartners.com.au ABN 52 097 417 975 | T 07 3852 4333 F 07 3852 4777 E brisbane@westerapartners.com.au | | STRICTLY PROHIBITED! IT IS THE BUILDERS RESPONS CARRIED OUT WITH DUE CARE AND DILIGENCE TO CO | | A.H.D. SSM 64762 R.L. 1.267 WANUFACTURED HOME ESTATE DOWN PRESS GREW WITH THE OF WORK FROM REDUKED SALE OF WORK FROM REDUKED SALE SALE DE CONCLETENT OF DALE SALE | | | | |

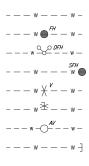


LEGEND









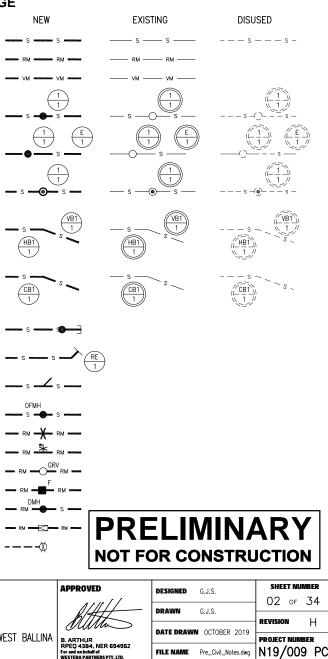


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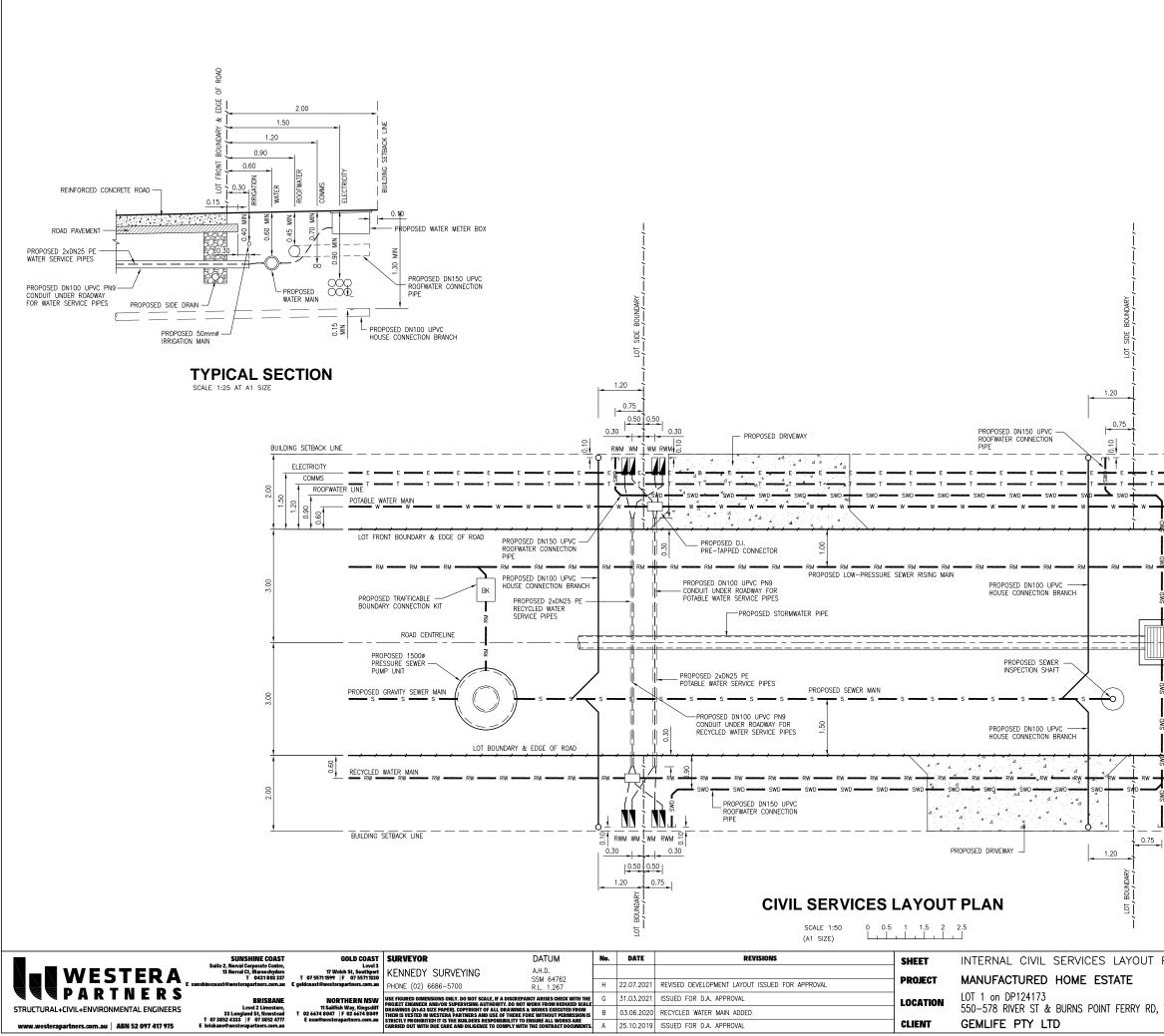
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S PTY. LTD

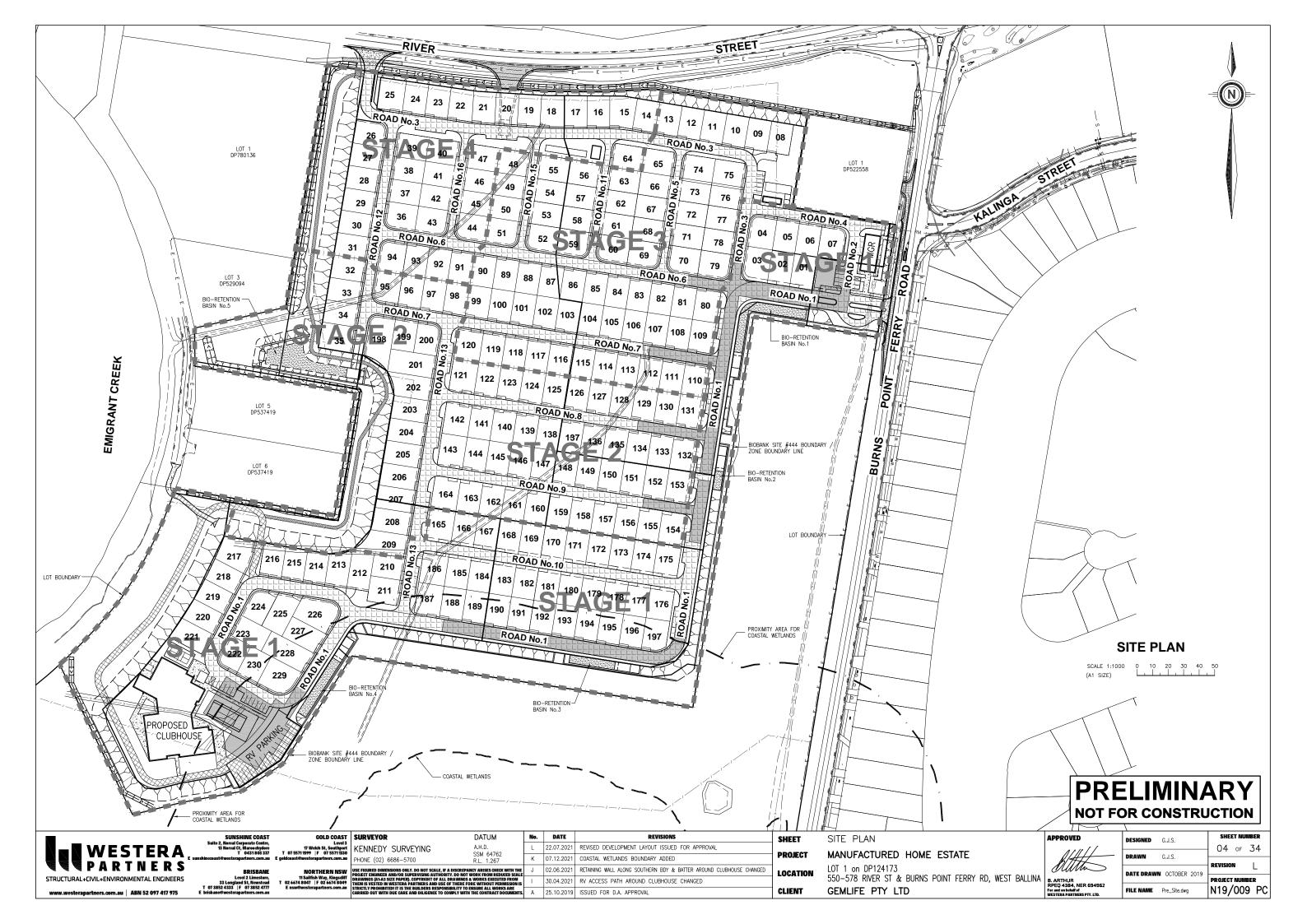
RAGE

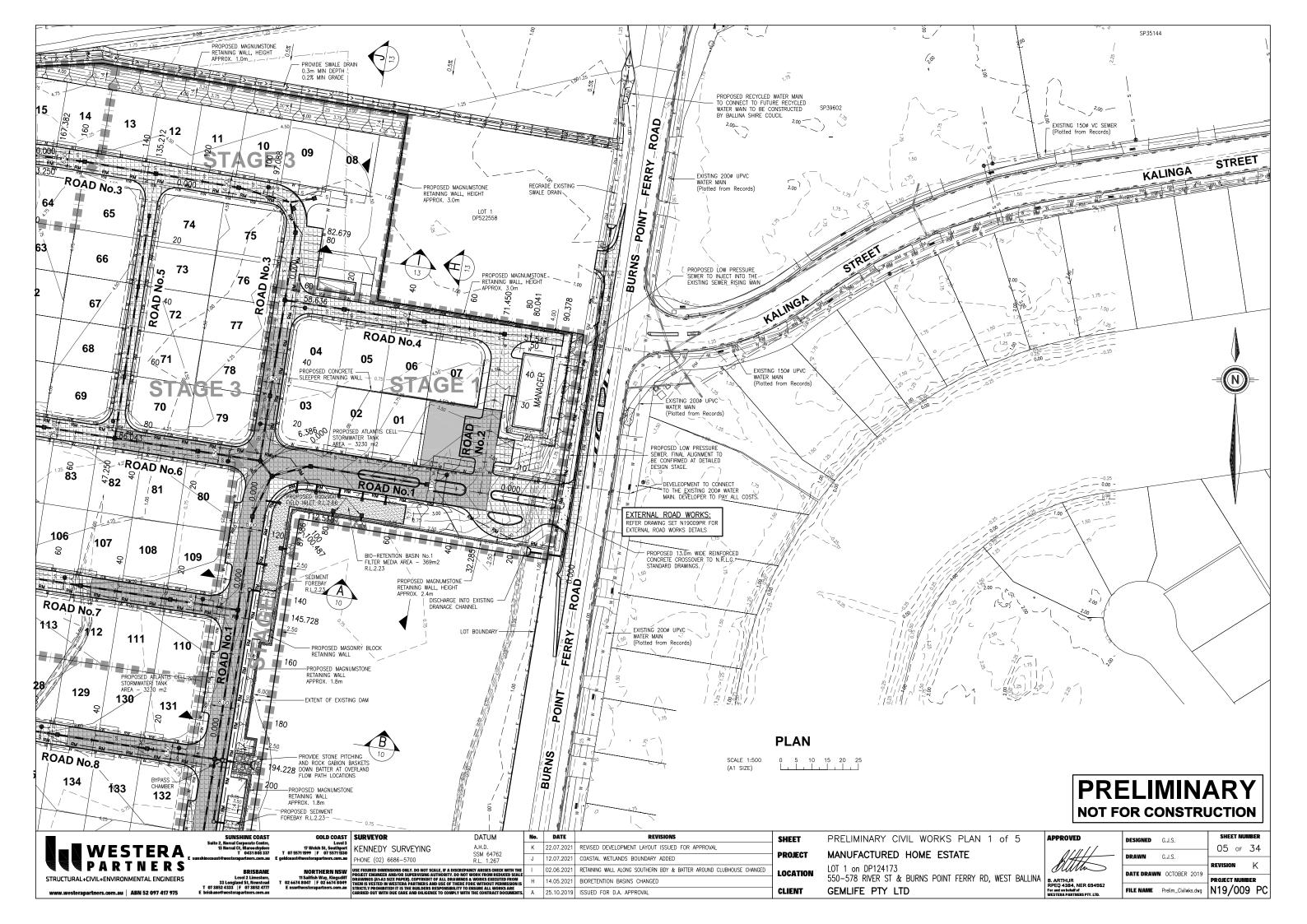


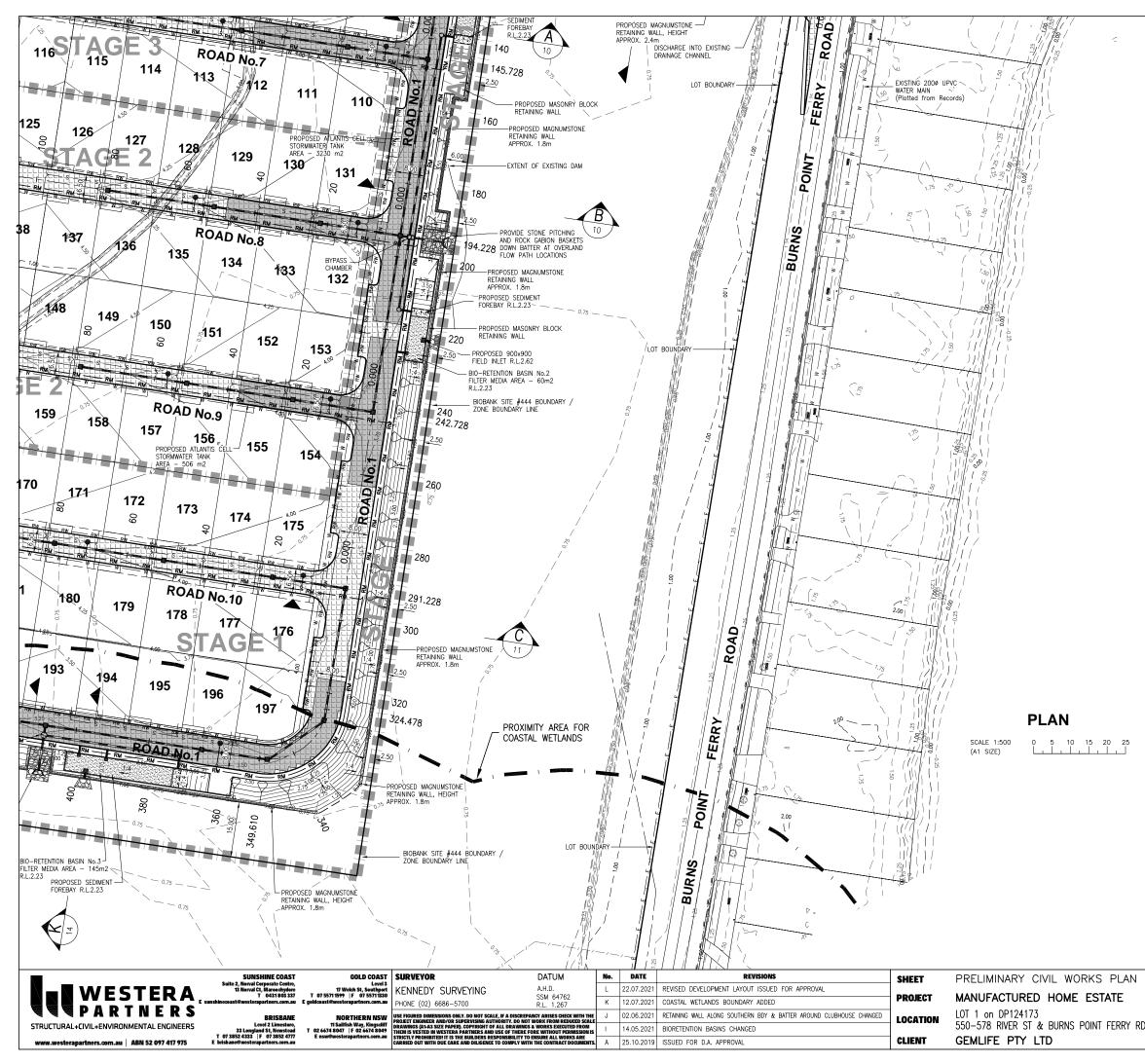
WEST BALLINA



| | BUI | DING SETBACK LINE | |
|--|--|----------------------------------|------------------------|
| E E _ | | | |
| | | T T T | |
| <u>}</u> ** | - w w w | - w w w | |
| <u>* </u> | LOT FRONT BOUNDARY & | EDGE OF ROAD | |
| | RM RM I | RM RM RM | |
| PROPOSE ROOFWAT | ED DN225 UPVC ER CONNECTION | | |
| | PRO | POSED STORMWATER PIPE | |
| | | | ROAD CENTRELINE |
| FIELD INLE | 900x900 STORMWATER T FITTED WITH | | |
| SPEL STOF | RMSACK FILTER BASKET VED EQUIVALENT | | |
| ය ROOFWAT | ED DN225 UPVC ER CONNECTION | | |
| PIPE | LOT | BOUNDARY & EDGE OF ROAD | |
| Š + RW - RW - RW - | RW RW RI | w Rw Rw | |
| | D DN150 UPVC ER CONNECTION | | |
| | | DING SETBACK LINE | |
| + ^[] | BOIL | LUING SEIDAGK LINE | |
| | | | |
| | PRE | ELIMIN/ | ARY 🛛 |
| | | OR CONSTRU | |
| PLAN | APPROVED | DESIGNED G.J.S. | SHEET NUMBER |
| | BIAL | DRAWN G.J.S. | 03 of 34 revision H |
| , WEST BALLINA | B. ARTHUR RPEQ 4384, NER 694962 For and on behalf of WESTERA PARTNERS PTV. LTD. | DATE DRAWN OCTOBER 2019 | |
| | For and on behalf of WESTERA PARTNERS PTY. LTD. | FILE NAME Pre_Civil_Services.dwg | N19/009 PC |

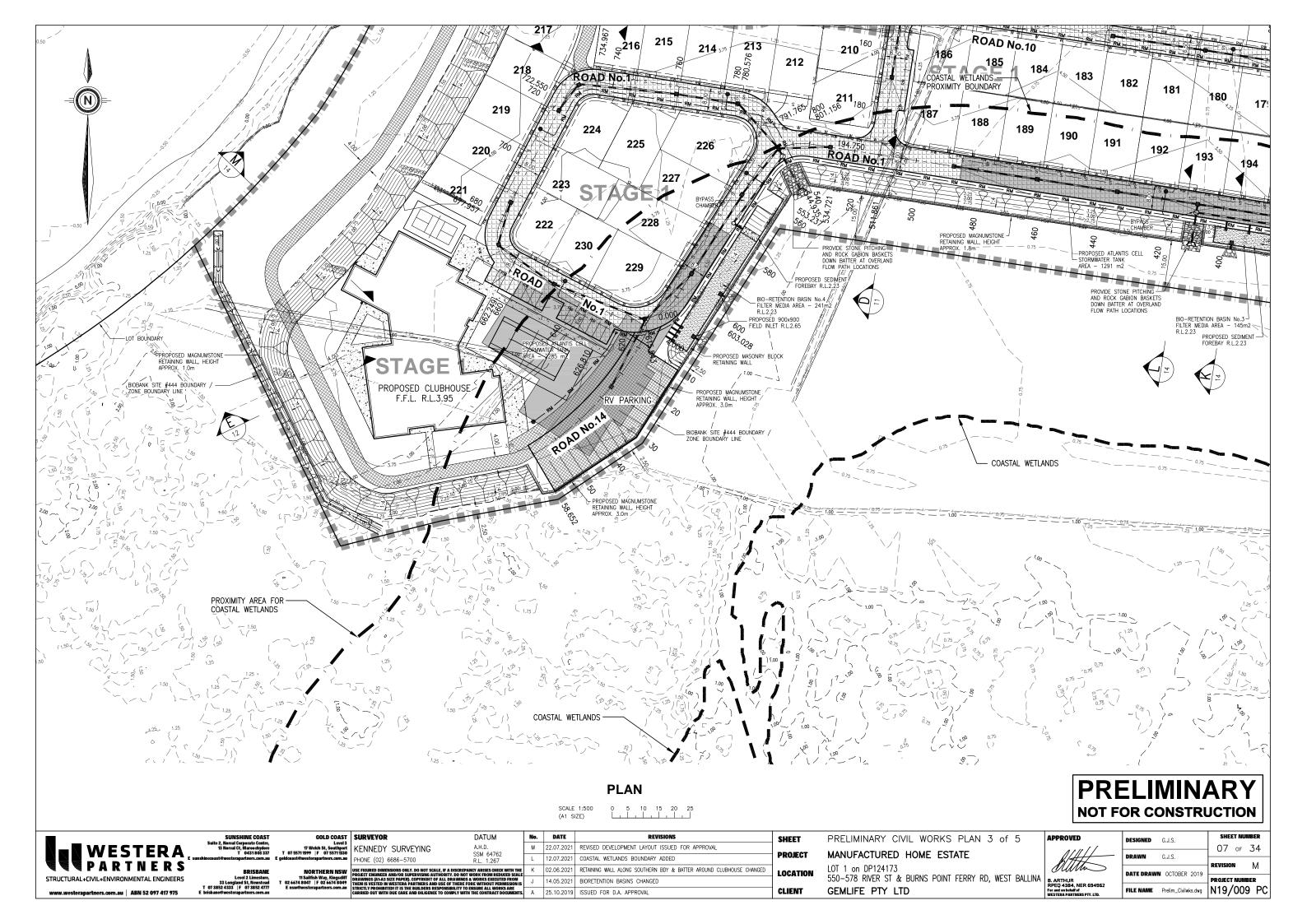


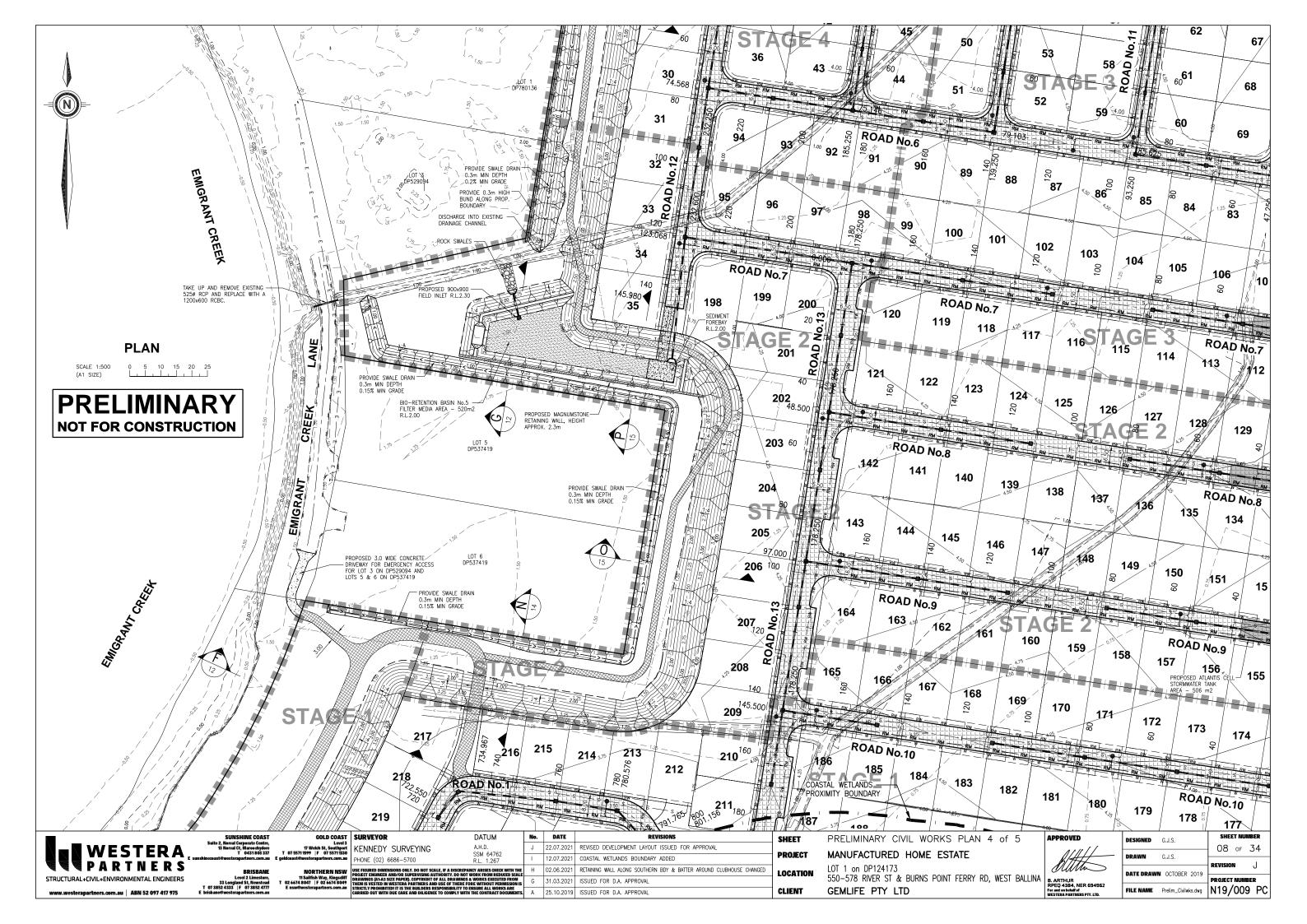


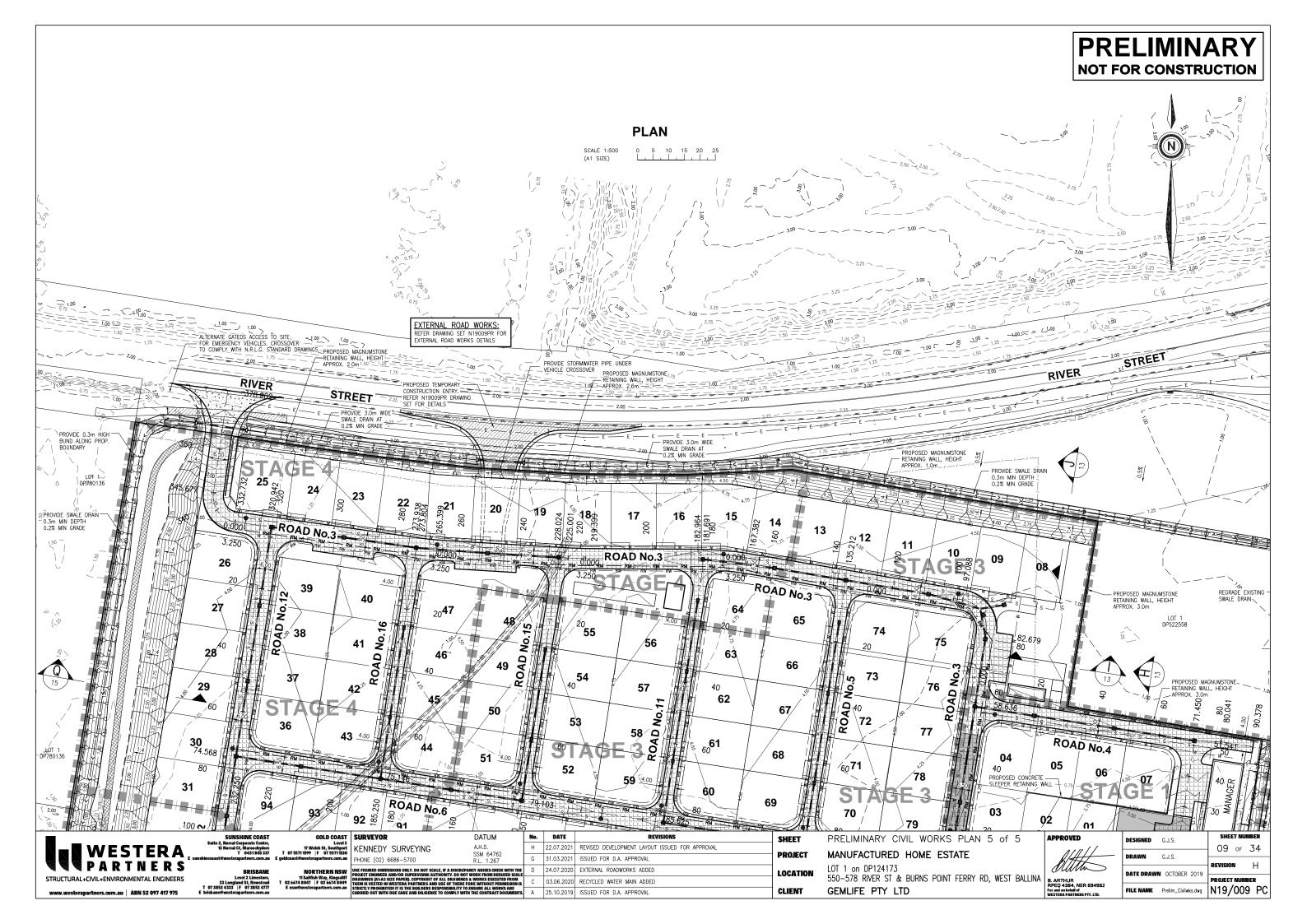


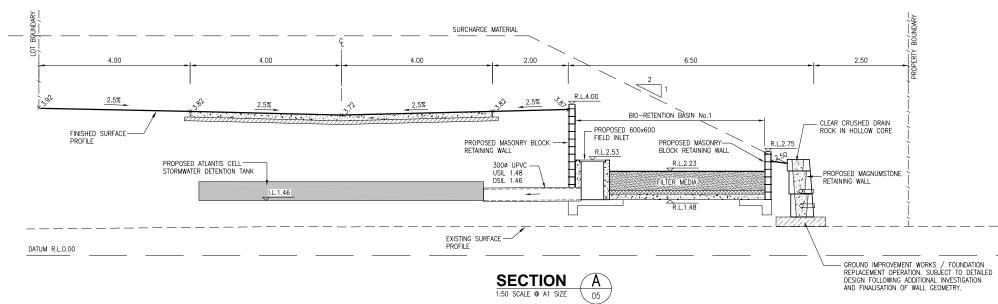


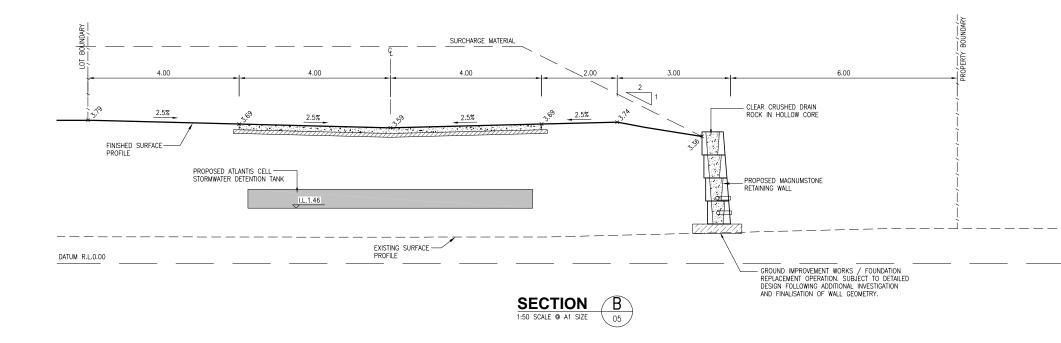
| 2 of 5 APPROVED | DESIGNED G.J.S. | SHEET NUMBER |
|---|-------------------------------|--------------|
| BIH | DRAWN G.J.S. | 06 of 34 |
| 2D, WEST BALLINA B. ARTHUR | DATE DRAWN OCTOBER 2019 | REVISION |
| RPEQ 4384, NER 694962 For and on behalf of Westera Partners Pty. LtD. | FILE NAME Prelim_Civilwks.dwg | N19/009 PC |





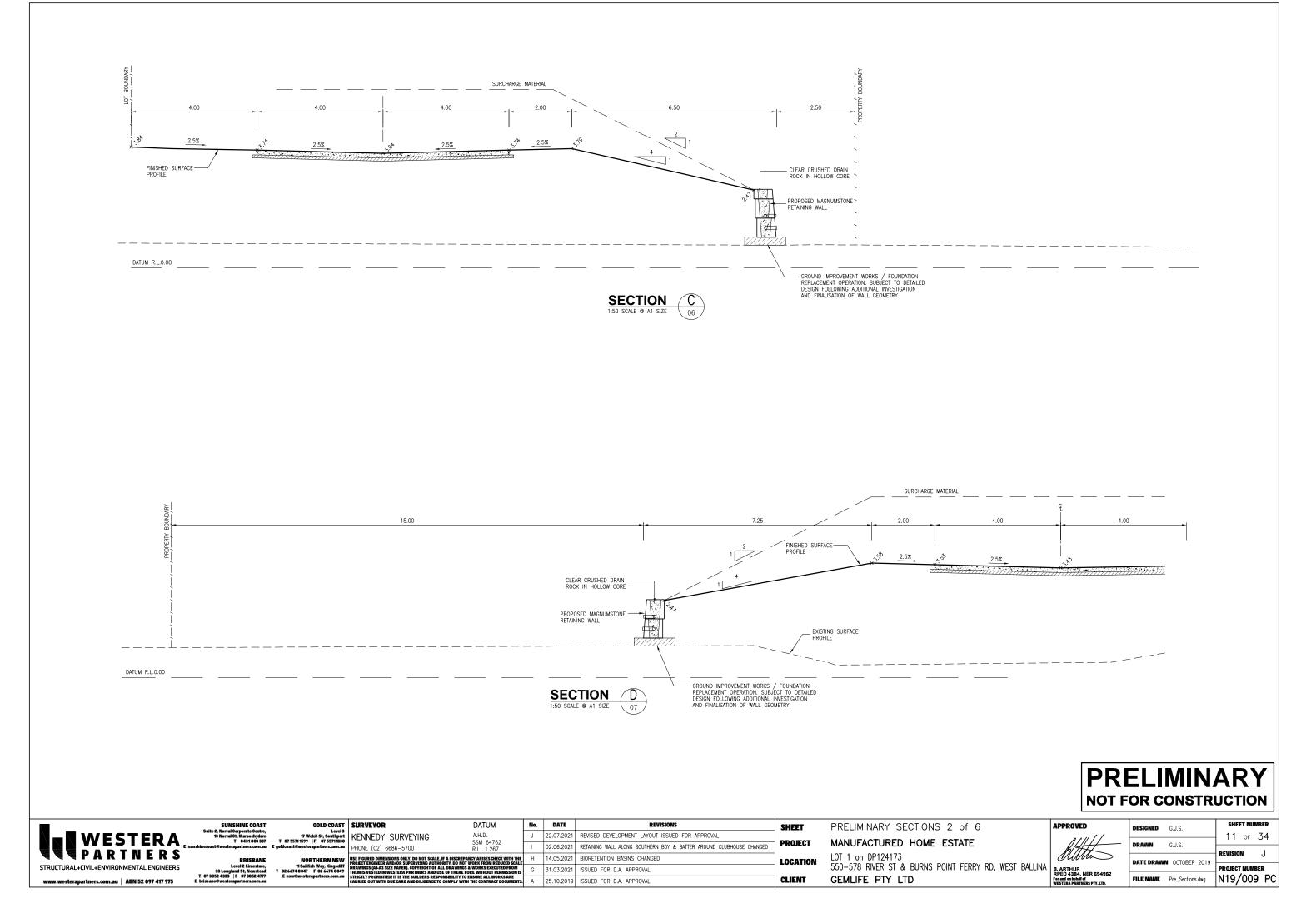


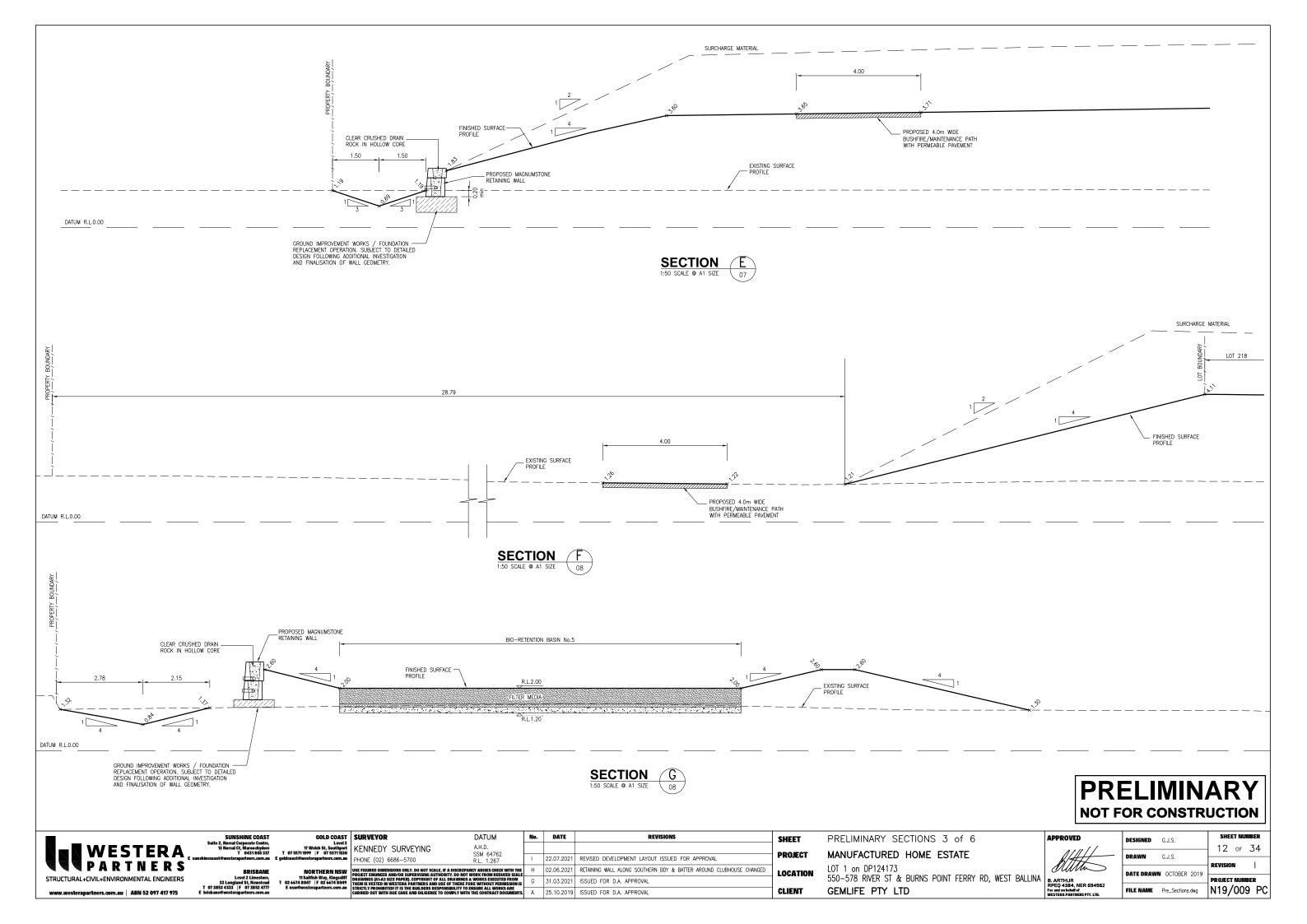


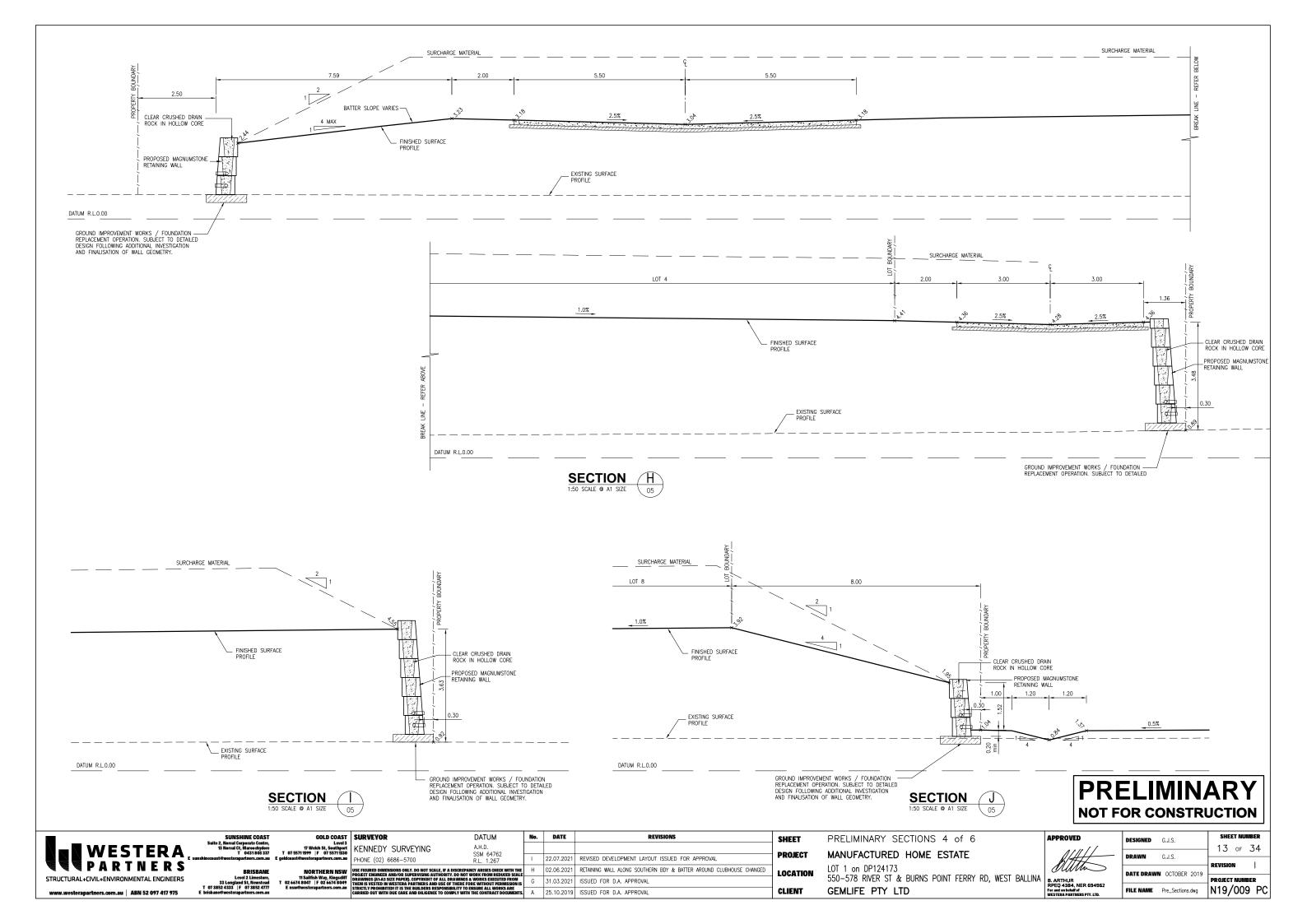


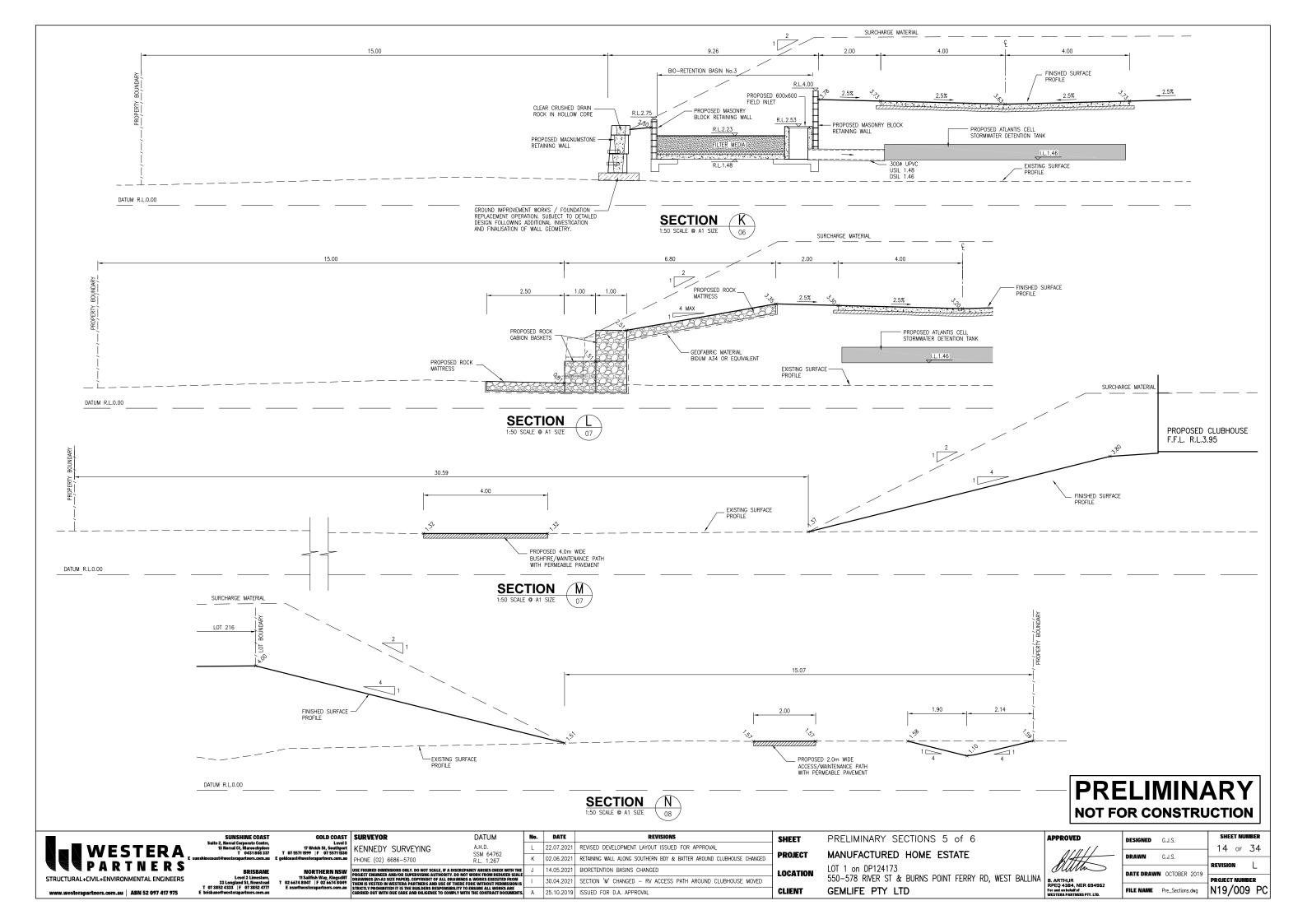
| | SUNSHINE COAST | | SURVEYOR | DATUM | No. | DATE | REVISIONS | SHEET | PRELIMINARY SECTIONS 1 of 6 | APPROVED | DESIGNED G.J.S. | SHEET NUMBER |
|---|---|--|---|-------------------------|-----|------------|---|----------|---|---|----------------------------|----------------|
| | Suite 2, Norval Corporate Centre, 13 Norval Ct, Maroochydore T 0431 803 337 | Level 3 17 Welch St, Southport T 07 5571 1599 F 07 5571 1330 | KENNEDY SURVEYING | A.H.D. | J | 22.07.2021 | REVISED DEVELOPMENT LAYOUT ISSUED FOR APPROVAL | | | nru[] | | 10 OF 34 |
| | sunshinecoast@westerapartners.com.au | | PHONE (02) 6686-5700 | SSM 64762 R.L. 1.267 | 1 (| 02.06.2021 | RETAINING WALL ALONG SOUTHERN BDY & BATTER AROUND CLUBHOUSE CHANGED | PROJECT | MANUFACTURED HOME ESTATE | | DRAWN G.J.S. | |
| A A A A A A A A A A A A A A A A A A A | BRISBANE | NORTHERN NSW | USE FIGURED DIMENSIONS ONLY. DO NOT SCALE, IF A DISCREPAN | | H . | 4.05.2021 | BIORETENTION BASINS CHANGED | LOCATION | LOT 1 on DP124173 | Dutte | DATE DRAWN OCTOBER 2019 | REVISION |
| STRUCTURAL+CIVIL+ENVIRONMENTAL ENGINEERS | Level 2 Limestore, | 11 Sailfish Way, Kingsdiff | PROJECT ENGINEER AND/OR SUPERVISING AUTHORITY. DO NOT V DRAWINGS (A1-A3 SIZE PAPER). COPYRIGHT OF ALL DRAWINGS A THEM IS VESTED IN WESTERA PARTNERS AND USE OF THERE FO | | G C | 31.03.2021 | ISSUED FOR D.A. APPROVAL | LUCATION | 550-578 RIVER ST & BURNS POINT FERRY RD, WEST BALLINA | B. ARTHUR | | PROJECT NUMBER |
| www.westerapartners.com.au ABN 52 097 417 975 | T 07 3852 4333 F 07 3852 4777 E brisbane@westerapartners.com.au | E nsw@westerapartners.com.au | STRICTLY PROHIBITED: IT IS THE BUILDERS RESPONSIBILITY TO E CARRIED OUT WITH DUE CARE AND DILIGENCE TO COMPLY WITH | | A 2 | 25.10.2019 | ISSUED FOR D.A. APPROVAL | CLIENT | GEMLIFE PTY LTD | RPEQ 4384, NER 694962 For and on behalf of WESTERA PARTNERS PTY. LTD. | FILE NAME Pre_Sections.dwg | N19/009 PC |

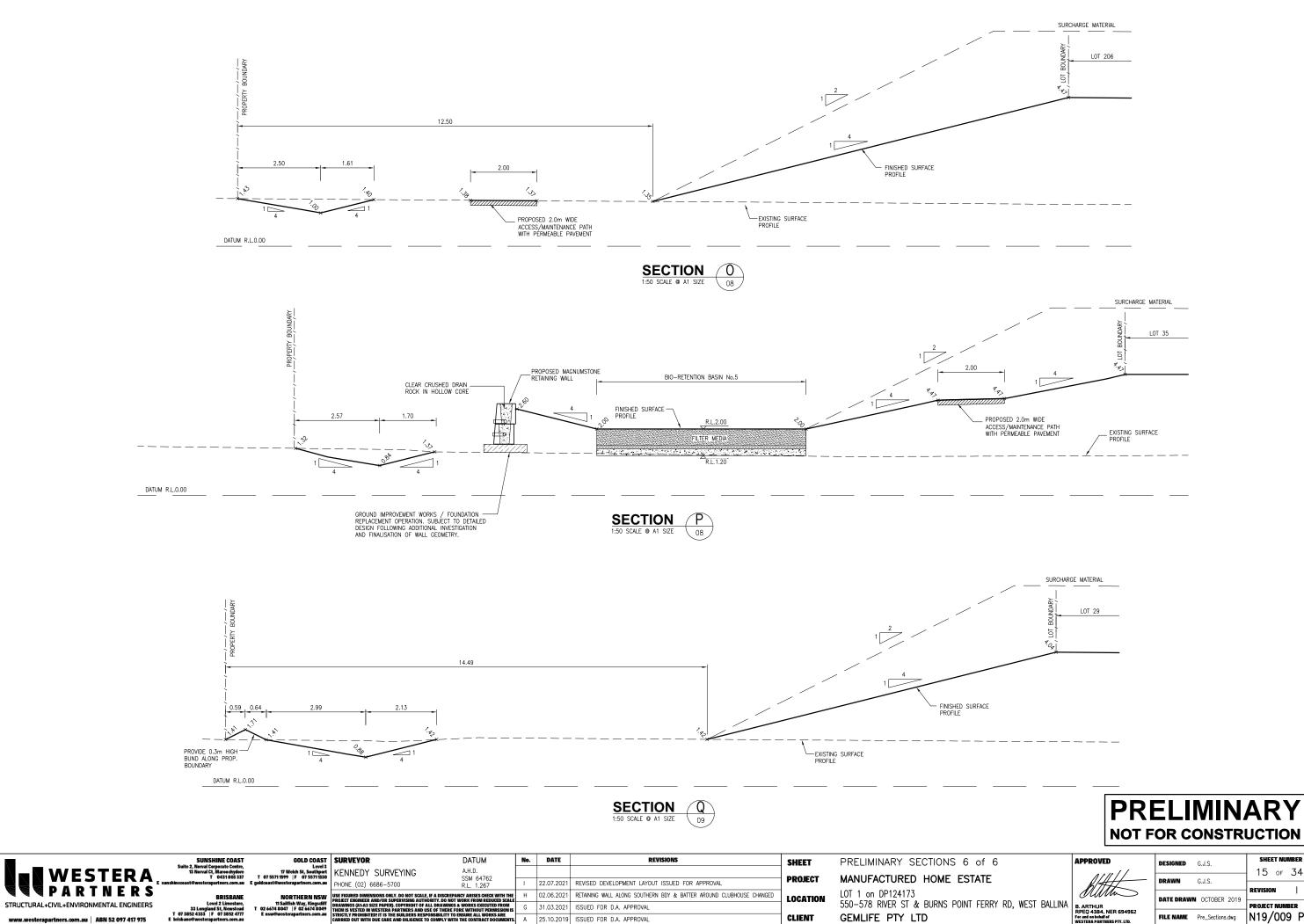












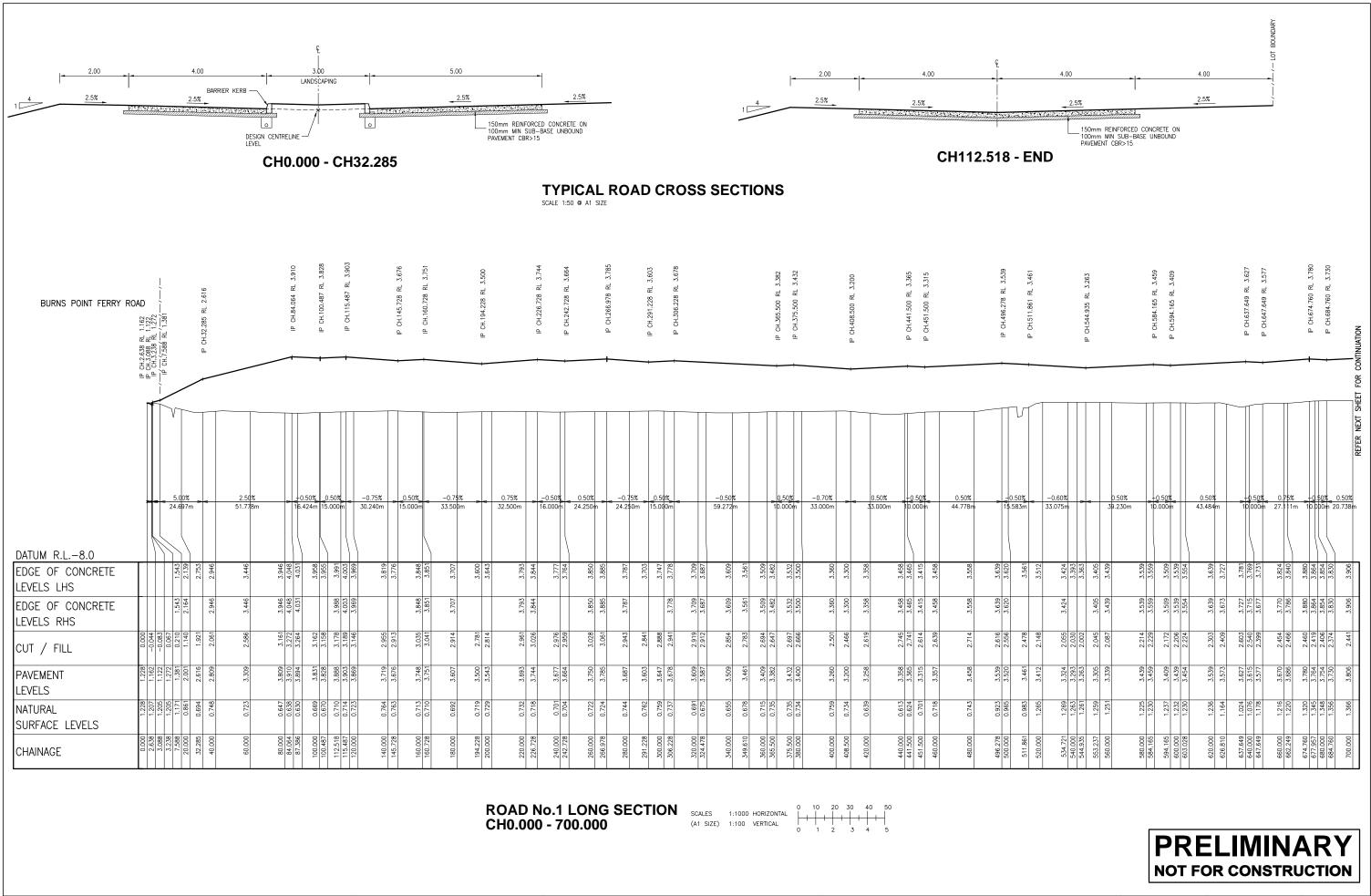
www.westerapartners.com.au | ABN 52 097 417 975

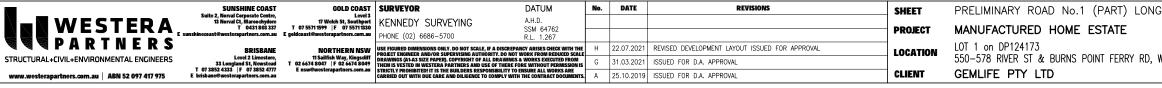
DRAWINGS (A1-A3 SI THEM IS VESTED IN V STRICTLY PROHIBITED 31.03.2021 ISSUED FOR D.A. APPROVAL CLIENT E ALL WORKS AR A 25.10.2019 ISSUED FOR D.A. APPROVAL

GEMLIFE PTY LTD

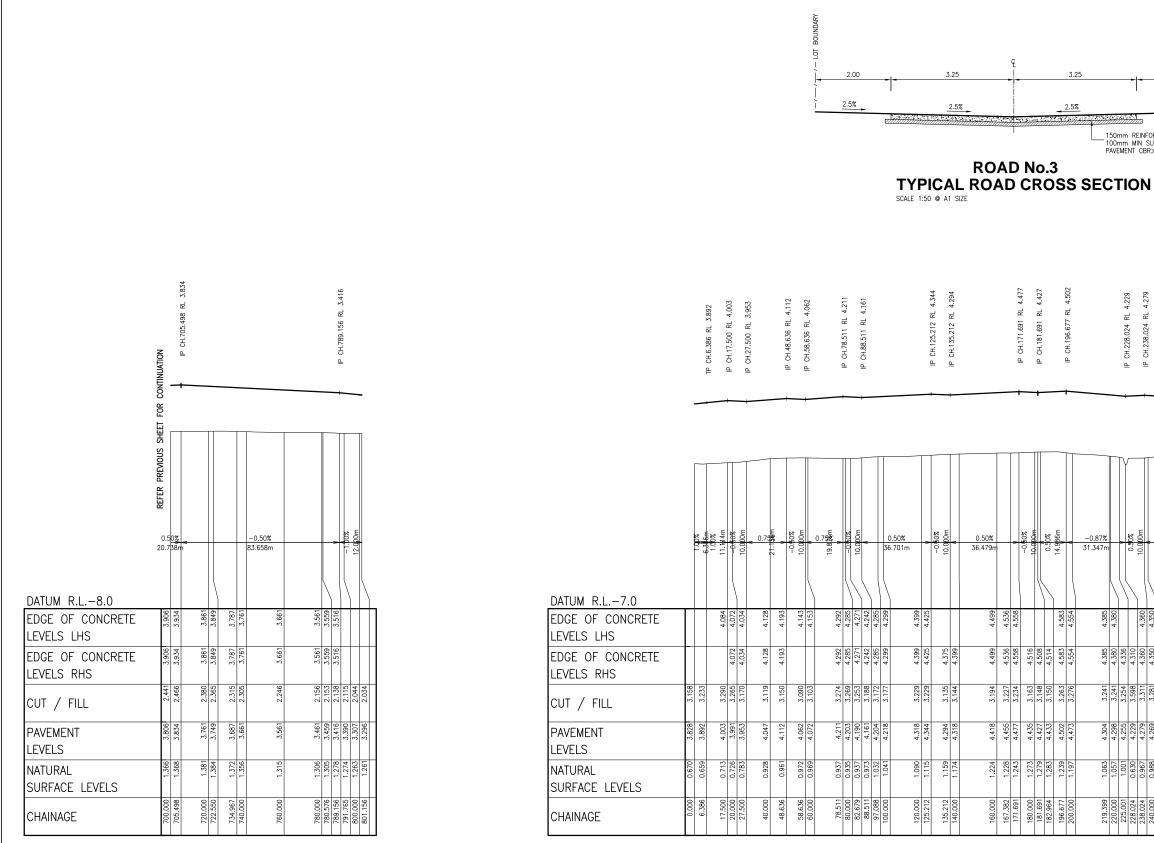
FILE NAME Pre_Sections.dwg

PROJECT NUMBER N19/009 PC





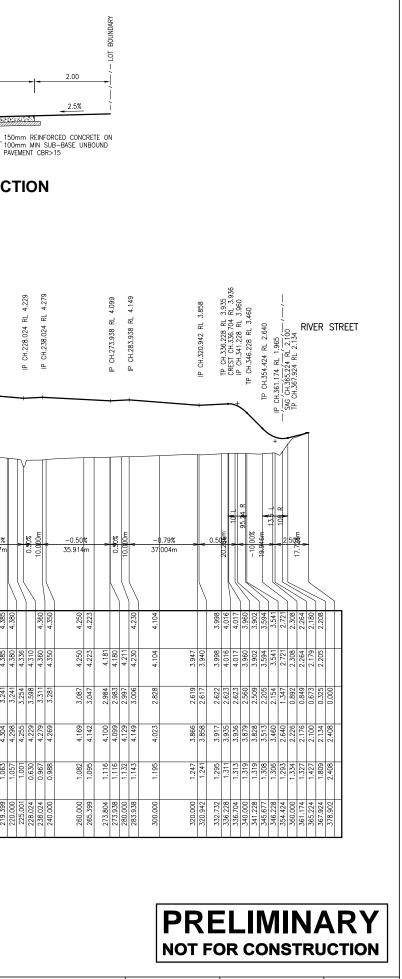
| SECTION APPROVED | DESIGNED G.J.S. | SHEET NUMBER |
|---|---------------------------|----------------|
| 1/11/1 | | 16 of 34 |
| Mattas | DRAWN G.J.S. | REVISION H |
| VEST BALLINA B. ARTHUR | DATE DRAWN OCTOBER 2019 | PROJECT NUMBER |
| RPEQ 4384, NER 694962 For and on behalf of WESTERA PARTNERS PTY. LTD. | FILE NAME Pre_Rd_lsec.dwg | N19/009 PC |



ROAD No.1 CH700.000 - 801.156

 ROAD LONG SECTIONS
 SCALES (A1 SIZE)
 1:1000 HORIZONTAL 1:100
 0
 10
 20
 30
 40
 50

| | SUNSHINE COAST | | SURVEYOR | DATUM | No. | DATE | REVISIONS | SHEET | PRELIMINARY ROAD No.1 (CONT) & No.3 LO |
|---|---|------------------------------------|---|---|-----|------------|--|----------|--|
| | Suite 2, Norval Corporate Centre, 13 Norval Ct, Maroochydore T 0431803337 | 17 Weich St. Southport | KENINEDY SUDVEVINO | A.H.D. SSM 64762 | | | | DDOITOT | |
| | E sunshinecoast@westerapartners.com.au | E goldcoast@westerapartners.com.au | PHONE (02) 6686-5700 | R.L. 1.267 | н | 22.07.2021 | REVISED DEVELOPMENT LAYOUT ISSUED FOR APPROVAL | PROJECT | MANUFACTURED HOME ESTATE |
| A A A P A K I N F K 2 | BRISBANE | NORTHERN NSW | USE FIGURED DIMENSIONS ONLY. DO NOT SCALE, IF A DISCR PROJECT ENGINEER AND/OR SUPERVISING AUTHORITY. DO I DRAWINGS (A1-A3 SIZE PAPER). COPYRIGHT OF ALL DRAWI | REPANCY ARISES CHECK WITH THE | G | 31.03.2021 | ISSUED FOR D.A. APPROVAL | LOCATION | LOT 1 on DP124173 |
| STRUCTURAL+CIVIL+ENVIRONMENTAL ENGINEERS | 33 Longland St, Newstead | I UZ 66/4 804/ F UZ 66/4 8049 | THEM IS VESTED IN WESTERA PARTNERS AND USE OF THEF | RE FORE WITHOUT PERMISSION IS | В | 24.07.2020 | RIVER STREET INTERSECTION LEVELS CHANGED | | 550-578 RIVER ST & BURNS POINT FERRY RD, |
| www.westerapartners.com.au ABN 52 097 417 975 | T 07 3852 4333 F 07 3852 4777 E brisbane@westerapartners.com.au | | STRICTLY PROHIBITED! IT IS THE BUILDERS RESPONSIBILITY CARRIED OUT WITH DUE CARE AND DILIGENCE TO COMPLY | / TO ENSURE ALL WORKS ARE WITH THE CONTRACT DOCUMENTS. | A | 25.10.2019 | ISSUED FOR D.A. APPROVAL | CLIENT | GEMLIFE PTY LTD |



RL 4.229 RL 4.279

CH.228.024 F

4.385 4.380

1.385 1.380 1.336 1.336 1.336 1.360

3.241 3.241 5.254 5.598 5.311

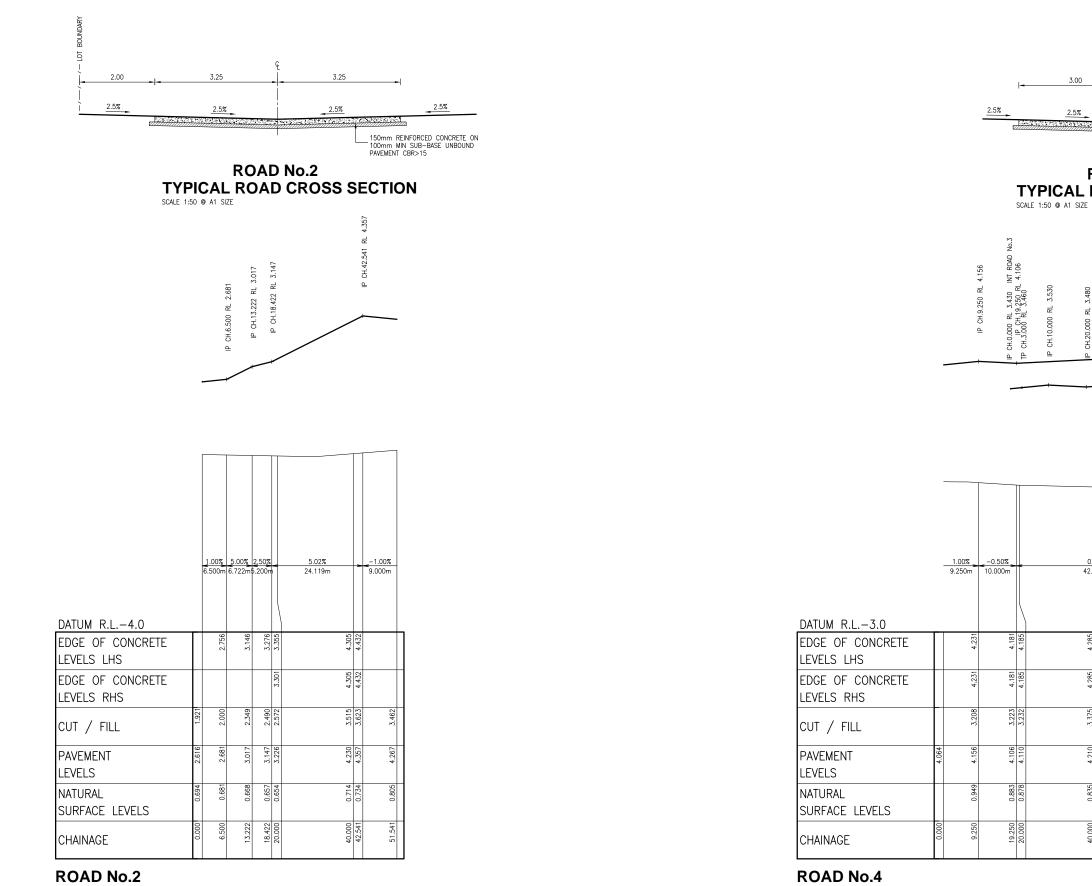
4.204 4.255 4.255 4.229 4.279

.063 .057 .057 .057 .057 .967

350

≞

SHEET NUMBER LONG SECTION APPROVED DESIGNED G.J.S. 17 OF 34 RAWN G.J.S. REVISION Н NUN), WEST BALLINA B. ARTHUR RPEQ 4384, NER 694962 For and en behalf of Western Partners Ptv. Ltd. DATE DRAWN OCTOBER 2019 PROJECT NUMBER N19/009 PC FILE NAME Pre_Rd_lsec.dwg

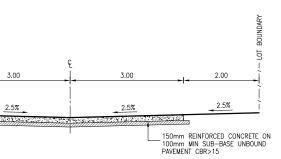


ROAD LONG SECTIONS SCALES 1:500 HORIZONTAL (A1 SIZE) 1:50 VERTICAL

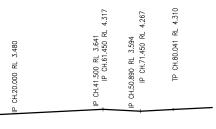
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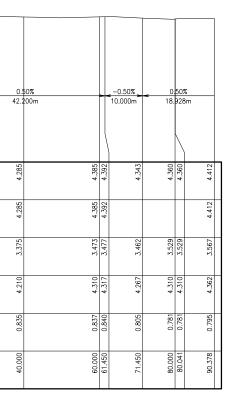
 VERTICAL
 0
 0.5
 1.0
 1.5
 2.0
 2.5

| | SUNSHINE COAST Suite 2, Norval Corporate Centre. | GOLD COAST Level 3 | SURVEYOR | DATUM | No. E | DATE | REVISIONS | SHEET | PRELIMINARY ROAD No.2 & No.4 LONG SECTION | APPROVED | DESIGNED G.J.S | SHEET NUMBER |
|---|--|--|---|---|--------|---------|--|----------|---|--|-----------------|------------------------|
| | 13 Norval Ct, Maroochydore T 0431 803 337 | 17 Weich St, Southport T 07 5571 1599 F 07 5571 1330 | INCINEDIT SONVETINO | A.H.D. SSM 64762 | | | | PROJECT | MANUFACTURED HOME ESTATE | 01411 | DRAWN G.J.S | . 18 of 34 |
| PARTNERS | BRISBANE | NORTHERN NSW | . , | R.L. 1.207 A DISCREPANCY ARISES CHECK WITH THE | Н 22.0 | 07.2021 | REVISED DEVELOPMENT LAYOUT ISSUED FOR APPROVAL | LOCATION | LOT 1 on DP124173 | Statto | DATE DRAWN OCT | OBER 2019 |
| STRUCTURAL+CIVIL+ENVIRONMENTAL ENGINEERS | Level 2 Limestore, 33 Longland St, Newstead T 07 3852 4333 F 07 3852 4777 | 11 Sailfish Way, Kingscliff T 02 6674 8047 F 02 6674 8049 E nsw@westerapartners.com.au | DRAWINGS (A1-A3 SIZE PAPER). COPYRIGHT OF ALL THEM IS VESTED IN WESTERA PARTNERS AND USE STRICTLY PROHIBITED! IT IS THE BUILDERS RESPON | DRAWINGS & WORKS EXECUTED FROM OF THERE FORE WITHOUT PERMISSION IS | | | ISSUED FOR D.A. APPROVAL | | 550-578 RIVER ST & BURNS POINT FERRY RD, WEST BALLINA | B. ARTHUR RPEQ 4384, NER 694962 | | PROJECT NUMBER |
| www.westerapartners.com.au ABN 52 097 417 975 | E brisbane@westerapartners.com.au | • | | OMPLY WITH THE CONTRACT DOCUMENTS. | A 25.1 | 0.2019 | ISSUED FOR D.A. APPROVAL | CLIENT | GEMLIFE PTY LTD | For and on behalf of WESTERA PARTNERS PTY. LTD. | FILE NAME Pre_F | Rd_lsec.dwg N19/009 PC |



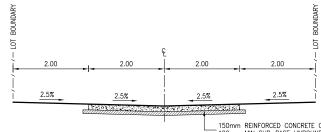
ROAD No.4 TYPICAL ROAD CROSS SECTION SCALE 1:50 @ A1 SIZE







| | | | | | | | | _ | | |
|--------------------------------|-------|------------------------|-------------------------|--------|----------------|-------------------|--------|--------|--------|--------------|
| | | <u>1.00%</u> 9.504m | <u>0.50%</u> 11.993m | | | -0.51% 55.300m | | | | .00% 250m |
| DATUM R.L3.0 | _ | | | | | | | | | |
| EDGE OF CONCRETE LEVELS LHS | | 4.441 | 4.493 | 4.501 | 4.407 | | 4.305 | 4.220 | | |
| EDGE OF CONCRETE LEVELS RHS | | 4.441 | 4.493 | 4.501 | 4.407 | | CUC.4 | 4.220 | | |
| CUT / FILL | 3.136 | 3.265 | 3.355 | 3.365 | 3.303 3.303 | | 3.221 | 3.030 | 2.977 | 2.878 |
| PAVEMENT LEVELS | 4.296 | 4.391 | | | 4.357 | | 4:20 | 4.170 | 4.138 | 4.077 |
| NATURAL SURFACE LEVELS | 1.159 | 1.126 | 1.089 | | 1.054 | | | 1.140 | 1.161 | 1.200 |
| CHAINAGE | 0.000 | 9.500 | 20.000 | 21.493 | 40.000 | | 90.000 | 76.793 | 80.000 | 86.043 |

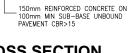


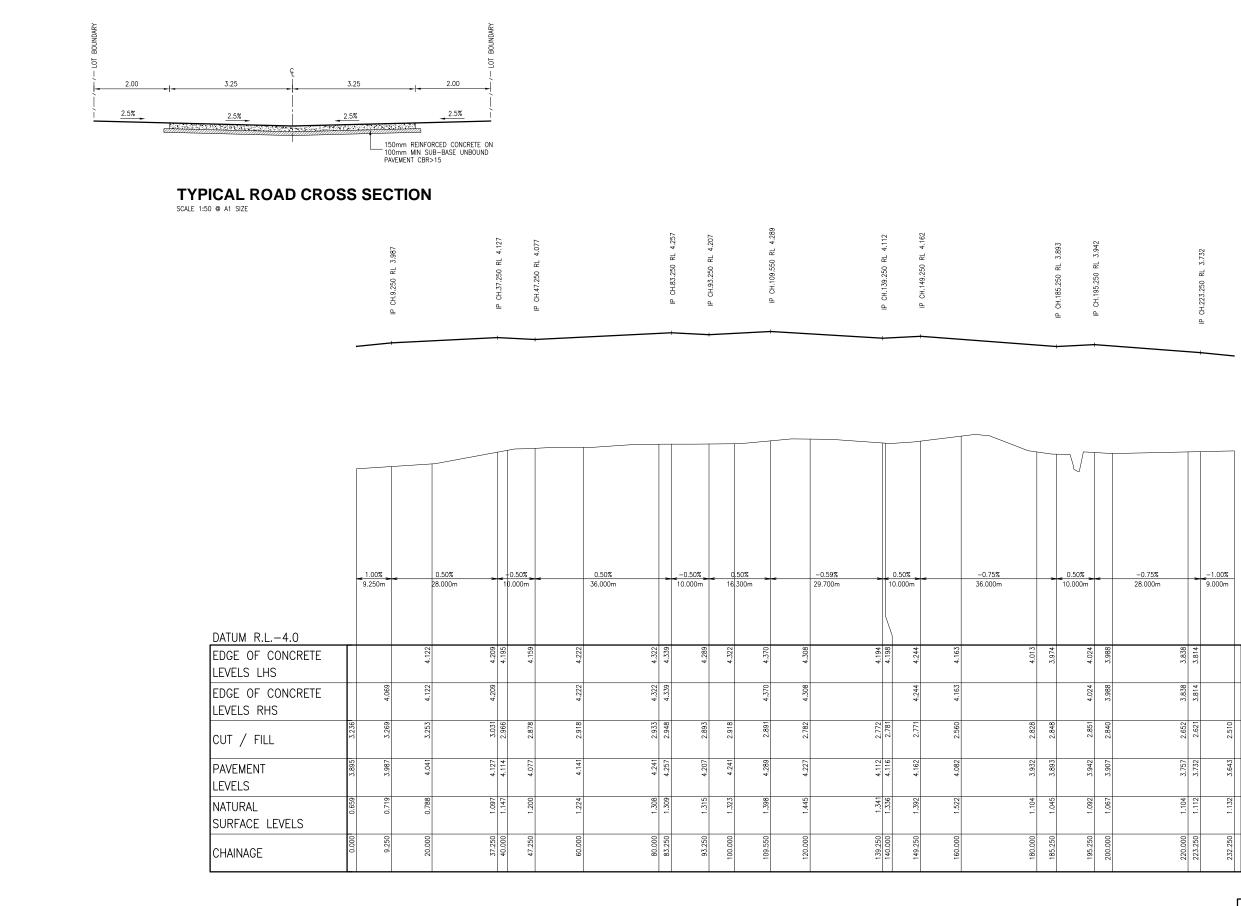
TYPICAL ROAD CROSS SECTION SCALE 1:50 @ A1 SIZE

ROAD No.5 LONG SECTION SCALES (A1 SIZE) 1:50 HORIZONTAL 1:50 VERTICAL

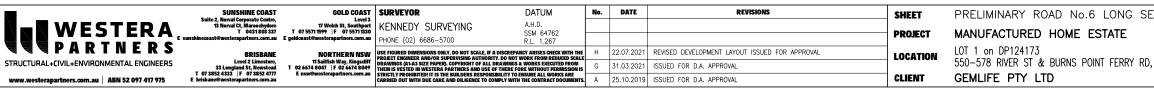


| TION | APPROVED | DESIGNED G.J.S. | SHEET NUMBER |
|-------------|---|---------------------------|----------------|
| | | | 19 of 34 |
| est ballina | NA B. ARTHUR RPEQ 4384, NER 594952 For and on behalf of WESTERP ARTINES PTV. LTD. | DRAWN G.J.S. | REVISION H |
| | | DATE DRAWN OCTOBER 2019 | PROJECT NUMBER |
| | | FILE NAME Pre_Rd_lsec.dwg | N19/009 PC |
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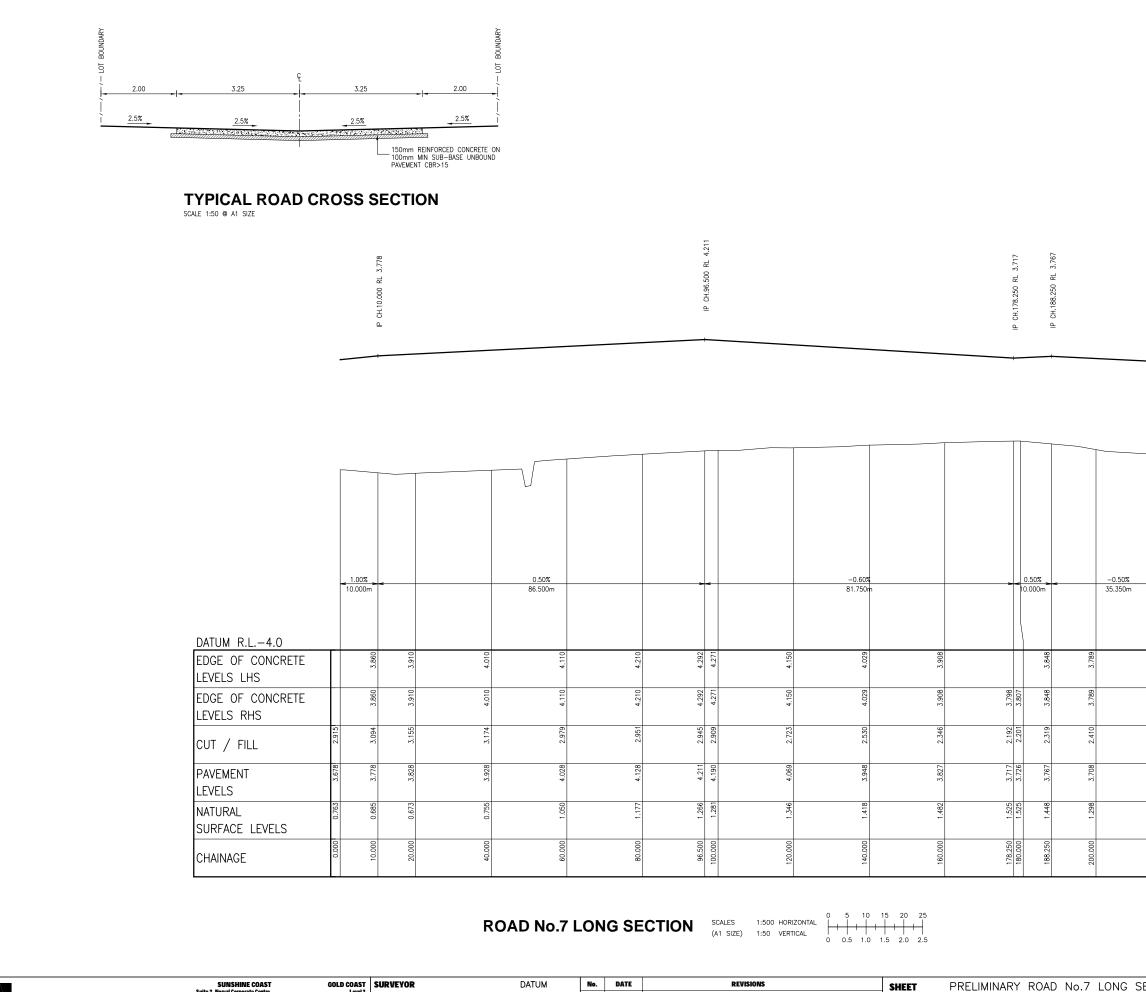




ROAD No.6 LONG SECTION SCALES (A1 SIZE) 1:500 HORIZONTAL 1:500 VERTICAL



| SECTION | APPROVED | DESIGNED G | G.J.S. | SHEET NU | NBER |
|-----------------|--|------------|-----------------|-------------|------|
| | nrii I I | | | 20 ог | 34 |
| | BAT | DRAWN | G.J.S. | REVISION | Ц |
| D. WEST BALLINA | A B. ARTHUR RPEQ 4384, NER 694962 Fer and en behalf of Westeren Parmers Pyr. LTD. | DATE DRAW | N OCTOBER 2019 | | |
| D, WEST DALLINA | | FILE NAME | Pre_Rd_lsec.dwg | PROJECT NUM | |



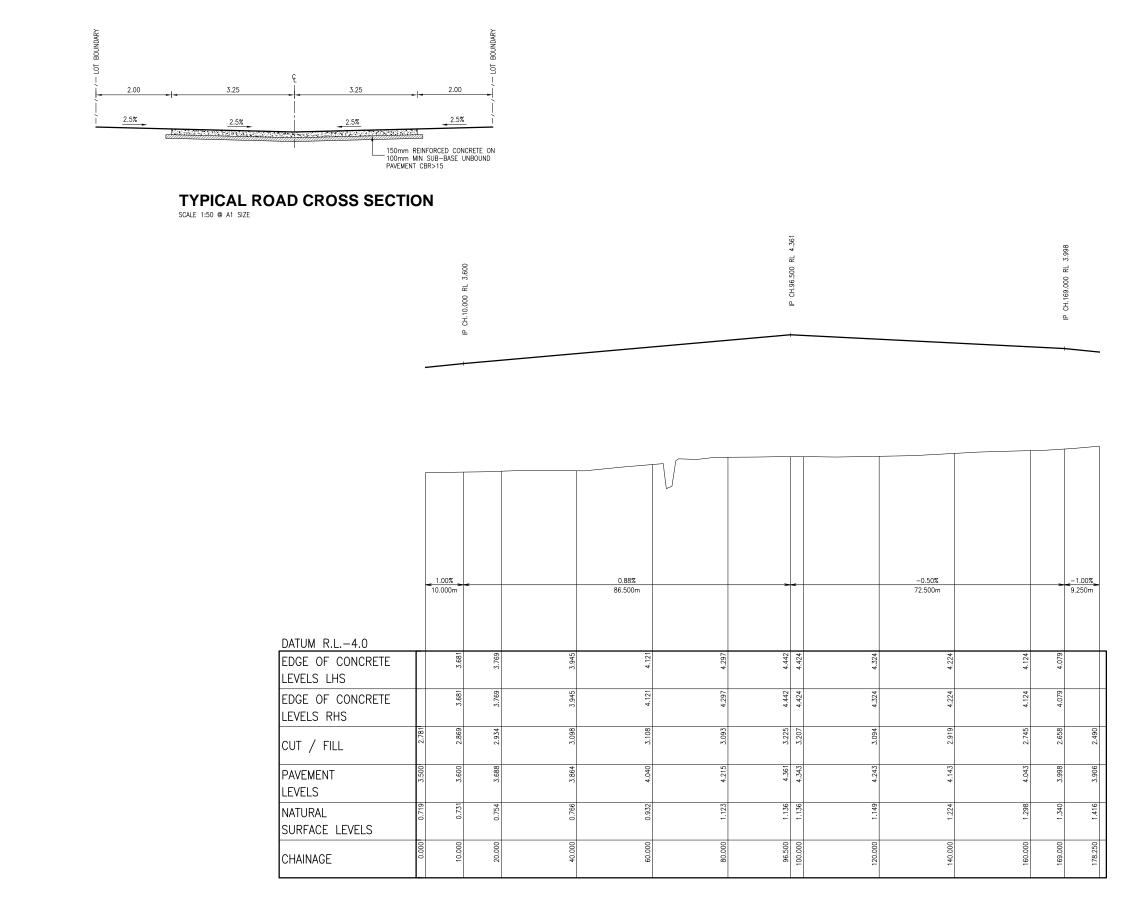
| | SUNSHINE COAST | | SURVEYOR | DATUM | No. | DATE | REVISIONS | SHEET | PRELIMINARY ROAD No.7 LONG S |
|---|---|--|---|--|-----|------------|--|----------|---|
| WESTERA, PARTNERS | Suite 2, Norval Corporate Centre, 13 Norval Ct, Maroochydore T 0431 803 337 | Level 3 17 Weich St, Southport T 07 5571 1599 F 07 5571 1330 | KENNEDY SURVEYING | A.H.D. SSM 64762 | | | | PROJECT | MANUFACTURED HOME ESTATE |
| | sunshinecoast@westerapartners.com.au | E goldcoast@westerapartners.com.au | PHONE (02) 6686-5700 | R.L. 1.267 | | | | PRUJECI | |
| | BRISBANE | NORTHERN NSW | | REPANCY ARISES CHECK WITH THE | | 22.07.2021 | REVISED DEVELOPMENT LAYOUT ISSUED FOR APPROVAL | LOCATION | LOT 1 on DP124173 |
| STRUCTURAL+CIVIL+ENVIRONMENTAL ENGINEERS | Level 2 Limestore, 33 Longland St, Newstead T 07 3852 4333 F 07 3852 4777 | I UZ 6674 8047 F UZ 6674 8049 | DRAWINGS (A1-A3 SIZE PAPER). COPYRIGHT OF ALL DRAW THEM IS VESTED IN WESTERA PARTNERS AND USE OF TH | ERE FORE WITHOUT PERMISSION IS | G | 31.03.2021 | ISSUED FOR D.A. APPROVAL | | 550-578 RIVER ST & BURNS POINT FERRY RE |
| www.westerapartners.com.au ABN 52 097 417 975 | E brisbane@westerapartners.com.au | E nswewesterapartners.com.au | STRICTLY PROHIBITED! IT IS THE BUILDERS RESPONSIBILI CARRIED OUT WITH DUE CARE AND DILIGENCE TO COMPLY | TY TO ENSURE ALL WORKS ARE WITH THE CONTRACT DOCUMENTS. | Α | 25.10.2019 | ISSUED FOR D.A. APPROVAL | CLIENT | GEMLIFE PTY LTD |

IP CH.223.600 RL 3.590

| → -1.00% 9.000m | - |
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| 3.689 3.671 | |
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| 2.461 2.437 2.437 | |
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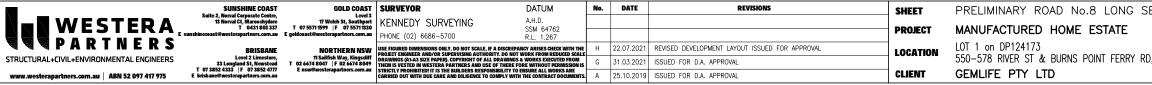


| | - | | | | |
|------------------|---|-----------|-----------------|-------------|------|
| SECTION | APPROVED | DESIGNED | G.J.S. | SHEET NU | MBER |
| | | | | 21 OF | 34 |
| | Olth | DRAWN | G.J.S. | REVISION | Н |
| RD, WEST BALLINA | B. ARTHUR | DATE DRAW | OCTOBER 2019 | PROJECT NUM | BER |
| | RPEQ 4384, NER 694962 For and on behalf of WESTERA PARTNERS PTY. LTD. | FILE NAME | Pre_Rd_lsec.dwg | N19/00 | 9 PC |



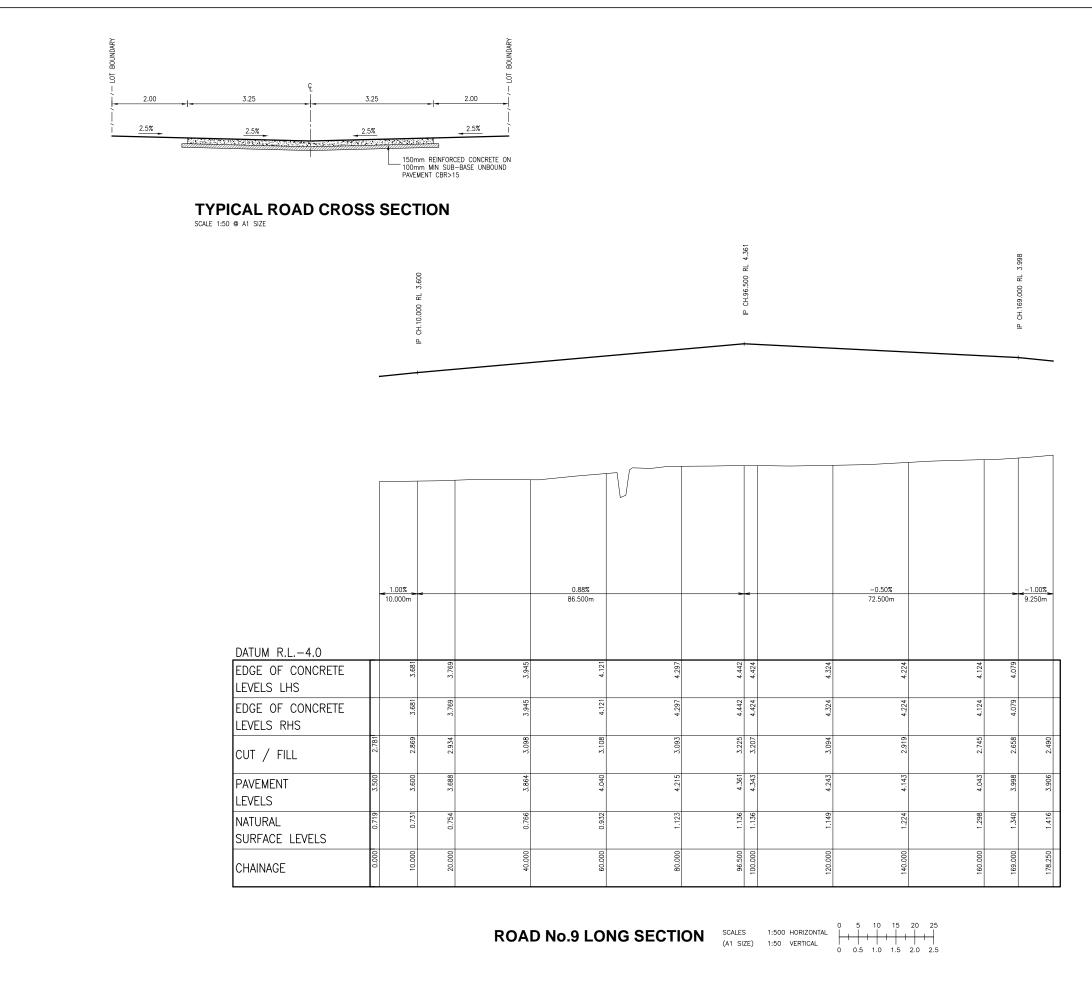
ROAD No.8 LONG SECTION SCALES (A1 SIZE) 1:500 HORIZONTAL 1:500 VERTICAL

0.5 1.0 1.5 2.0 25 0.5 1.0 1.5 2.0 2.5





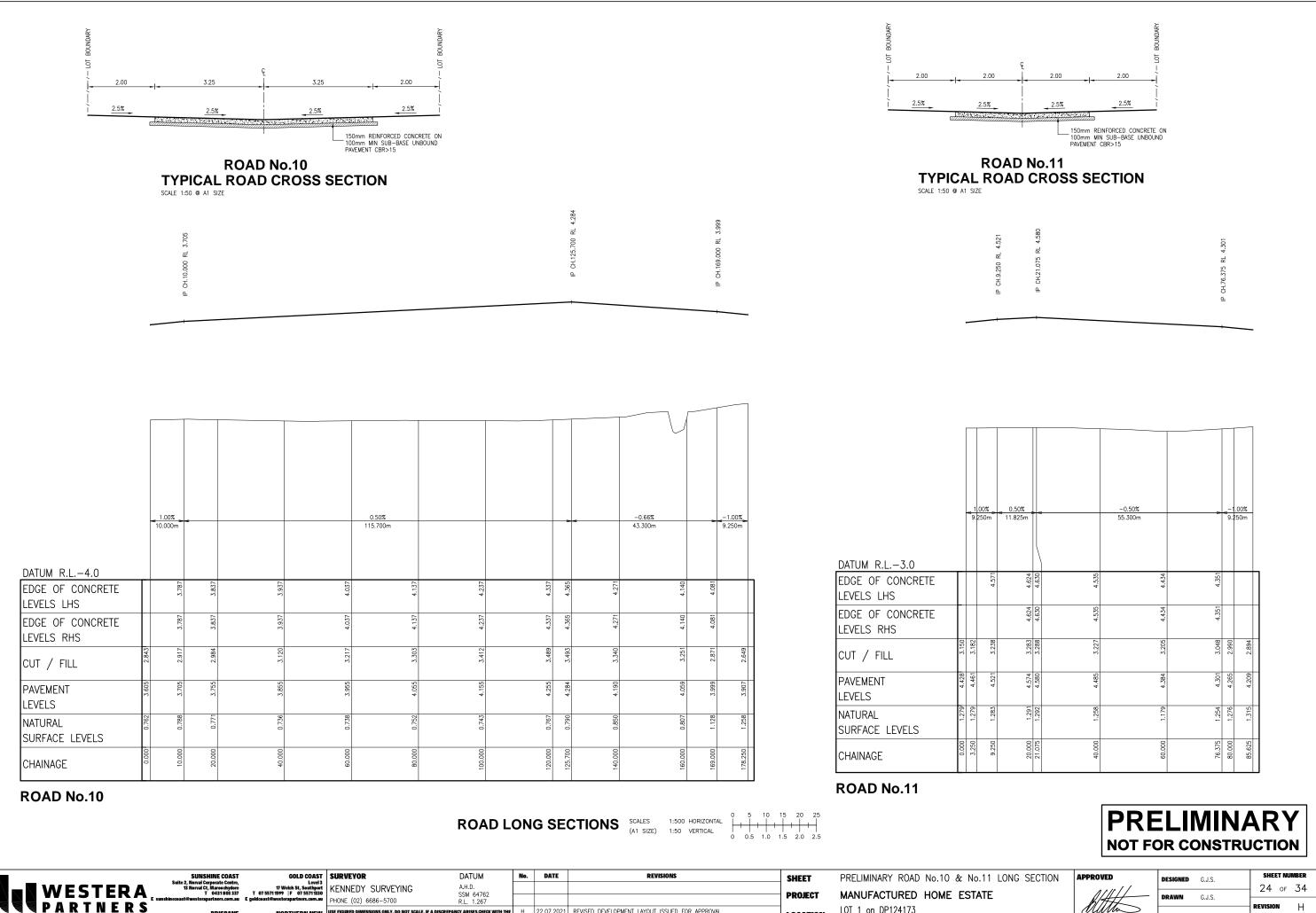
| SECTION | APPROVED | DESIGNED | G.J.S. | SHEET NUMBER | 2 |
|------------------|---|------------|-----------------|----------------|----|
| | | | | 22 OF 34 | + |
| | | DRAWN | G.J.S. | REVISION H | |
| RD, WEST BALLINA | | DATE DRAWI | OCTOBER 2019 | PROJECT NUMBER | |
| | RPEQ 4384, NER 694962 For and on behalf of WESTERA PARTNERS PTY. LTD. | | Pre_Rd_lsec.dwg | N19/009 F | PC |



| | SUNSHINE COAST Suite 2. Norval Corporate Centre. | | SURVEYOR | DATUM | No. | DATE | REVISIONS | SHEET | PRELIMINARY ROAD No.9 LONG S |
|---|--|--|--|---|-----|------------|--|----------|--|
| WESTERA, PARTNERS | 13 Norval Ct, Maroochydore T 0431 803 337 | Level 3 17 Weich St, Southport T 07 5571 1599 F 07 5571 1330 | KENNEDY SURVEYING | A.H.D. SSM 64762 | | | | DROJECT | MANUFACTURED HOME ESTATE |
| | sunshinecoast@westerapartners.com.au | E goldcoast@westerapartners.com.au | PHONE (02) 6686-5700 | R.L. 1.267 | | | | PROJECT | MANUFACTURED HUME ESTATE |
| A A A A A K I N F K 2 | BRISBANE | NORTHERN NSW | USE FIGURED DIMENSIONS ONLY. DO NOT SCALE, IF A DISCI PROJECT ENGINEER AND/OR SUPERVISING AUTHORITY. DO | REPANCY ARISES CHECK WITH THE | н | 22.07.2021 | REVISED DEVELOPMENT LAYOUT ISSUED FOR APPROVAL | LOCATION | LOT 1 on DP124173 |
| STRUCTURAL+CIVIL+ENVIRONMENTAL ENGINEERS | Level 2 Limestore, 33 Longland St, Newstead | TI Salitish Way, Kingsciit T 02 6674 8047 F 02 6674 8049 | DRAWINGS (A1-A3 SIZE PAPER). COPYRIGHT OF ALL DRAWI THEM IS VESTED IN WESTERA PARTNERS AND USE OF THE | INGS & WORKS EXECUTED FROM RE FORE WITHOUT PERMISSION IS | | 31.03.2021 | ISSUED FOR D.A. APPROVAL | LOOATION | 550-578 RIVER ST & BURNS POINT FERRY R |
| www.westerapartners.com.au ABN 52 097 417 975 | T 07 3852 4333 F 07 3852 4777 E brisbane@westerapartners.com.au | | STRICTLY PROHIBITED! IT IS THE BUILDERS RESPONSIBILIT CARRIED OUT WITH DUE CARE AND DILIGENCE TO COMPLY | | A | 25.10.2019 | ISSUED FOR D.A. APPROVAL | CLIENT | GEMLIFE PTY LTD |



| SECTION | APPROVED | DESIGNED | G.J.S. | SHEET NU | MBER |
|------------------|--|-----------|-----------------|-------------|------|
| | nrir I l | | | 23 OF | 34 |
| | b/## | DRAWN | G.J.S. | REVISION | |
| D WEAT DUILING | auna | DATE DRAW | OCTOBER 2019 | REVISION | п |
| RD, WEST BALLINA | B. ARTHUR RPEO 4384, NER 694962 | | | PROJECT NUM | |
| | For and on behalf of WESTERA PARTNERS PTY. LTD. | FILE NAME | Pre_Rd_lsec.dwg | N19/00 | 9 PC |



| STRUCTURAL+CIVIL+ENVIRONMENTAL ENGINEERS | Level 2 Limestore, 33 Longland St, Newstead |
|---|--|
| www.westerapartners.com.au ABN 52 097 417 975 | T 07 3852 4333 F 07 3852 4777 E brisbane@westerapartners.com.au |

PHONE (02) 6686-5700 NORTHERN NSW 11 Saiffish Way, Kingsdiff T 02 6674 8047 | F 02 6674 8049 | E nsw@westerapartners.com or

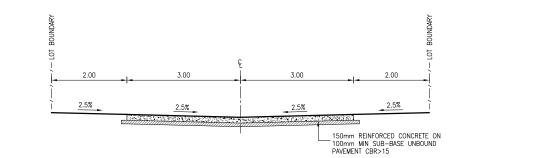
H 22.07.2021 REVISED DEVELOPMENT LAYOUT ISSUED FOR APPROVAL

LOT 1 on DP124173 550-578 RIVER ST & BURNS POINT FERRY RD GEMLIFE PTY LTD

LOCATION

CLIENT

| PROVED | DESIGNED | G.J.S. | SHEET NUN | IBER |
|-----------------|------------|---|--|--|
| nrur I I | | | 24 OF | 34 |
| | DRAWN | G.J.S. | | |
| MMm | | 0070050 0040 | REVISION | нΙ |
| ARTHUR | DATE DRAWN | OCTOBER 2019 | PROJECT NUME | ER |
| nd on behalf of | FILE NAME | Pre_Rd_lsec.dwg | N19/009 | PC |
| | | RTHUR Q 4384, NER 694952 windhaff file Name | DESIGNED G.J.S. DRAWN G.J.S. DATE DRAWN OCTOBER 2019 GABBA, NER 654952 FILE NAME Pre Rd Isec.dwo | DESIGNED 6.3.3. 2.4 oF DRAWN G.J.S. Revision DRAWN OCTOBER 2019 PROJECT NUMB FILE NAME Project NUMB Visionand FILE NAME Pre. Rd Isec.dwg |



TYPICAL ROAD CROSS SECTION

GOLD COAST Level3 17 Welch St, Southport T 07 5571 1599 |F 07 5571 1530 Solidoast Weitherstein

NORTHERN NSW 11 Sailfish Way, Kingsdiff T 02 6674 8047 | F 02 6674 8049 E nsw@westerapartners.com.com

KENNEDY SURVEYING

PROJECT ENGINEER AND/OR SUPERVISING AUTHORITY. DO DRAWINGS (A1-AS SIZE PAPEP), COPYRIGHT OF ALL DRAW THEM IS VESTED IN WESTERA PARTNERS AND USE OF THE STRICTLY PROHIBITED! IT IS THE BUILDERS RESPONSIBILIT CARRIED OUT WITH DUE CARE AND DULGENCE TO COMPLY

PHONE (02) 6686-5700

SE FIGURED DIMEN

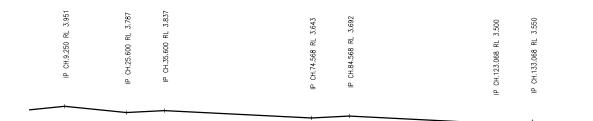
SUNSHINE COAST Suite 2, Norval Corporate Centre, 13 Norval Ct, Maroochydore T 0431803 337

Level 2 Limestore, 33 Longland St, Newstead T 07 3852 4333 |F 07 3852 4777 E brisbane@westerapartners.com ar

WESTERA PARTNERS

STRUCTURAL+CIVIL+ENVIRONMENTAL ENGINEERS

www.westerapartners.com.au | ABN 52 097 417 975



| | | 1.00% 9.250m | - <u>- 1.003</u> 16.350 | | 0.50% 10.000m | - | -0.50% 38.968m | | 0.5 | | - | -0.50% 38.500m | | 0.50% 10.000m | <u>– –0.</u> 12.9 | |
|--------------------------------|-------|-----------------|----------------------------|--------|------------------|--------|-------------------|--------|--------|--------|---------|---|---------|------------------|----------------------|---------|
| DATUM R.L4.0 | | | 000 | 5 | 8 | 0 | | | | - | | | | ى م | | |
| EDGE OF CONCRETE LEVELS LHS | | 4.026 | 3.918 | 3.862 | 3.912 | 3.890 | 3.790 | | | 3.767 | 3.690 | | | 3.625 | 3.590 | 3.560 |
| EDGE OF CONCRETE LEVELS RHS | | | 3.918 | 3.862 | 3.912 | 3.890 | 3.790 | 3.718 | 3.745 | 3.767 | 3.690 | 590 1 | 3.575 | 3.625 | 3.590 | 3.560 |
| CUT / FILL | 2.617 | 2.686 | 2.573 | 2.514 | 2.563 | 2.541 | 2.545 | 2.510 | 2.543 | 2.571 | 2.479 | 105.0 | 2.323 | 2.397 | 2.356 | 2.298 |
| PAVEMENT LEVELS | 3.858 | 3.951 | 3.843 | 3.787 | 3.837 | 3.815 | 3.715 | 3.643 | 3.670 | 3.692 | 3.615 | L L L L L L L L L L L L L L L L L L L | 3.500 | 3.550 | 3.515 | 3.485 |
| NATURAL SURFACE LEVELS | 1.241 | 1.265 | 1.270 | 1.273 | 1.274 | 1.274 | 1.171 | 1.132 | 1.126 | 1.121 | 1.136 | 1914 | 1.177 | 1.153 | 1.159 | 1.188 |
| CHAINAGE | 0.000 | 9.250 | 20.000 | 25.600 | 35.600 | 40.000 | 60.000 | 74.568 | 80.000 | 84.568 | 100.000 | 000 | 123.068 | 133.068 | 140.000 | 145.980 |

0 5 10 15 20 25 +</td ROAD No.12 LONG SECTION SCALES (A1 SIZE) 1.500 HORIZONTAL 1.500 VERTICAL

No. DATE

REVISIONS



DATUM A.H.D. SSM 64762 R.L. 1.267 MANUFACTURED HOME ESTATE
 05050
 The
 1.2.0

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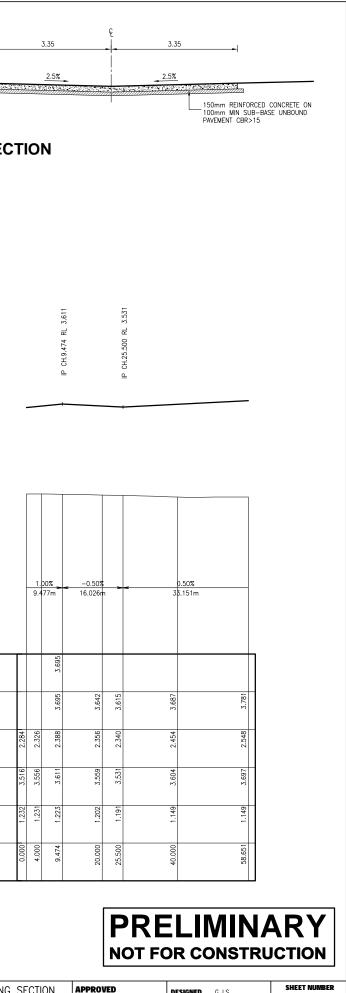
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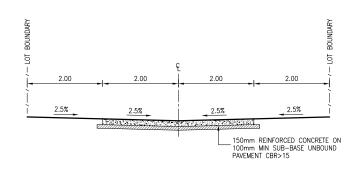
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 <t LOT 1 on DP124173 550-578 RIVER ST & BURNS POINT FERRY RI H 22.07.2021 REVISED DEVELOPMENT LAYOUT ISSUED FOR APPROVAL LOCATION CLIENT GEMLIFE PTY LTD



| SECTION | APPROVED | DESIGNED | G.J.S. | SHEET NUM | |
|------------------|---|------------|-----------------|--------------|----|
| | <u></u> | DRAWN | G.J.S. | 25 OF | 34 |
| | Matthe | | | REVISION | н |
| RD, WEST BALLINA | B. ARTHUR | DATE DRAWI | N OCTOBER 2019 | PROJECT NUMB | |
| | RPEQ 4384, NER 694962 For and on behalf of WESTERA PARTNERS PTY. LTD. | FILE NAME | Pre_Rd_Isec.dwg | N19/009 | PC |

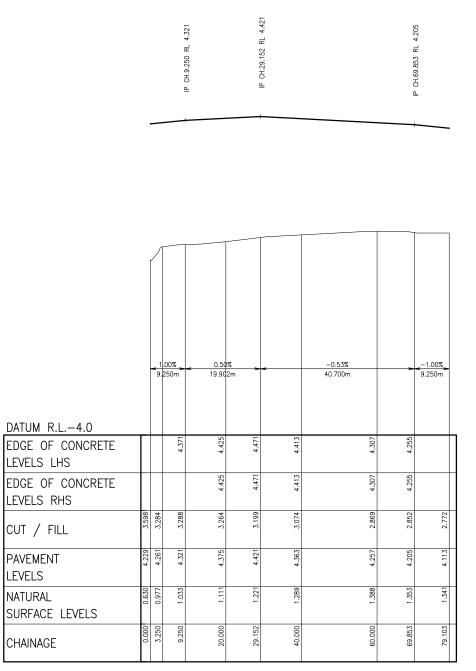
| BOUNDARY | | | BOUNDARY | | ¦ | VARIE 10.30 | | ç → |
|---|---|---|---|--|--|--|--|--|
| | 3.25 | ଜ୍ | | | | <u>1.</u> | 0%2.5 | annannan annannannann sannannanna |
| 2.5% | 2.5% | 2.5% | 2.5% | | | | ROAD No.14 | 150mm REINFORCED CONCRETE ON 100mm MIN SUB-BASE UNBOUND PAVEMENT CBR>15 |
| | | | 50mm REINFORCED CONCRETE ON 00mm MIN SUB-BASE UNBOUND AVEMENT CBR>15 | | | | TYPICAL ROAD CROSS SECTION SCALE 1:50 @ A1 SIZE | |
| | - | AD No.13 AD CROSS SE(| CTION | | | | | |
| | IP CH.9.250 RL 3.809 | | | IP CH.87,000 RL 4,098 IP CH.97,000 RL 4,048 IP CH.111.850 RL 4.159 | - IP CH:145.500 RL 3.907 | IP CH180.750 RL 3.601 | | 19.474 RL 3.611 25.500 RL 3.531 |
| | | | | | | | | |
| | | | | | | | | |
| | | 0.50% -0.50% 9.250m 10.000m | 0.50% 38.500m | -0.50% 0.75% 10.000m 14.850m | -0.75% 0.50% | -1.41% -1.00% 25.250m 14.000m | <u>1.00%</u> 9.477m | |
| DATUM R.L4.0 EDGE OF CONCRETE | 3.891 | 4.037 | 4.044 | 4.241 | 4.180 4.038 3.975 | 3.693 | | 3.695 2.695 |
| LEVELS LHS EDGE OF CONCRETE | 3.891 3.944 | 4.037 4.029 3.987 | 4.044 | 4.179 4.129 4.152 4.152 4.241 | 4.180 4.030 3.988 4.038 4.038 3.975 | 3.693 | | 3.695 3.642 3.642 3.687 3.687 3.781 3.781 |
| LEVELS RHS | 2.192 2.312 2.398 2.398 | 2.502 2.499 2.490 | 2.596 | 2.848 2.803 2.803 3.000 3.000 | 2.899 2.633 2.649 2.649 2.649 2.645 | 2.401 2.399 2.478 | LEVELS RHS | 2.388 2.356 2.454 2.454 2.548 |
| PAVEMENT | 3.717 3.809 3.863 | 3.955 3.948 3.905 | 3.963 4.063 | 4.098 4.048 4.071 4.159 | 4.098 3.948 3.907 3.907 3.957 3.957 | 3.612 3.601 3.461 | PAVEMENT ⁸ | 3.611 3.559 3.531 3.604 3.697 |
| LEVELS NATURAL | 1.525 1.497 1.465 | 1.454 1.449 1.416 | 1.367 | 1.250 1.245 1.245 1.160 | 1.199 1.258 1.1315 1.199 | 1.211 1.202 0.983 | | 1.223 1.191 1.149 1.149 |
| SURFACE LEVELS CHAINAGE | 0.000 9.250 20.000 | 38.500 40.000 48.500 | 80.000 | | 120.000 140.000 155.500 155.500 160.000 | 180.000 180.750 180.750 | SURFACE LEVELS | 9.474 20.000 25.500 40.000 58.651 58.651 |
| ROAD No.13 | | | | | | | ROAD No.14 | |
| | | | | ROAD LONG SEC | TIONS SCALES 1:500 HORIZONTAL (A1 SIZE) 1:50 VERTICAL | 0 5 10 15 20 25 + + + + + + + + + + + + + + + + + + + | | PRELIMINARY NOT FOR CONSTRUCTION |
| STRUCTURAL+CIVIL+ENVIRONMENTAL ENGINEERS | Loval 2 Limortara | goldcoast@westerapartners.com.au PHONE | EYOR IEDY SURVEYING (02) 6686–5700 ED DIRENSIONS ONLY. DO NOT SCALE, IF A DISCREPS WINEER ANKO'RS USPERVISING AUTHORITY. DO NOT (31-63 3242 PAPER), COPYRIGHT OF ALL DRAMMINGS STED IN WISTERA PARTINES AND USE OF THEREF | DATUM No. DATE A.H.D. | REVISIONS | SHEET PROJECT LOCATION | PRELIMINARY ROAD No.13 & No.14 LONG SECTION MANUFACTURED HOME ESTATE LOT 1 on DP124173 550–578 RIVER ST & BURNS POINT FERRY RD, WEST BALL | DATE DRAWN G.J.S. REVISION H |
| www.westerapartners.com.au ABN 52 097 417 975 | 33 Longland St, Newstead T 07 3852 4333 F 07 3852 4777 E brisbane@westerapartners.com.au | T 02 6674 8047 F 02 6674 8049 E nsw@westerapartners.com.au CARRIED (| STED IN WESTERA PARTNERS AND USE OF THERE F ROHIBITED! IT IS THE BUILDERS RESPONSIBILITY TO UT WITH DUE CARE AND DILIGENCE TO COMPLY WIT | a works Executed FROM ORE WITHOUT FERMISSION IS ENSURE ALL WORKS ARE H THE CONTRACT DOCUMENTS. G 31.03.2021 | ISSUED FOR D.A. APPROVAL ISSUED FOR D.A. APPROVAL | CLIENT | GEMLIFE PTY LTD | INA B. ARTHUR RE 594952 For and behalf of WESTERA PARTNERS PTV. ITD. FILE NAME Pre_Rd_Isec.dwg N19/009 |





TYPICAL ROAD CROSS SECTION

SCALE 1:50 @ A1 SIZE



| 4.2 |
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| RL |
| IP CH.25.195 RL |
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4.192

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|--------------------------------|-------|-------|--------------|----------|--------|--------|-------------------|--------|-------------------------|
| | | | | | | | | | |
| | | | .00% 250m | <u> </u> | n | - | -0.88% 40.700m | | <u>-0.24%</u> 9.250m |
| DATUM R.L4.0 | | | | | | | | | |
| EDGE OF CONCRETE LEVELS LHS | | | 4.241 | 4.295 | 4.321 | 4.192 | 4.017 | 3.965 | |
| EDGE OF CONCRETE LEVELS RHS | | | | 4.295 | 4.321 | 4.192 | 4.017 | 3.965 | |
| CUT / FILL | 2.983 | 3.025 | 3.101 | 3.184 | 3.214 | 3.024 | 2.830 | 2.774 | 2.848 |
| PAVEMENT LEVELS | 4.099 | 4.132 | 4.192 | 4.245 | 4.271 | 4.142 | 3.967 | 3.915 | 3.893 |
| NATURAL SURFACE LEVELS | 1.116 | 1.107 | 1.091 | 1.061 | 1.057 | 1.18 | 1.137 | 1.141 | 1.045 |
| CHAINAGE | 0.000 | 3.250 | 9.250 | 20.000 | 25.195 | 40.000 | 60.000 | 65.895 | 75.146 |

ROAD No.15

ROAD LONG SECTIONS SCALES 1.500 HORIZONTAL 1:50 VERTICAL



DATUM A.H.D. SSM 6476 R.L. 1.267 KENNEDY SURVEYING PHONE (02) 6686-5700 PHOTOR (UZ) 0000-0700
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| No. | DATE | REVISIONS |
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| J | 22.07.2021 | REVISED DEVELOPMENT LAYOUT ISSUED FOR APPROVAL |
| | | |

ROAD No.16

SHEET

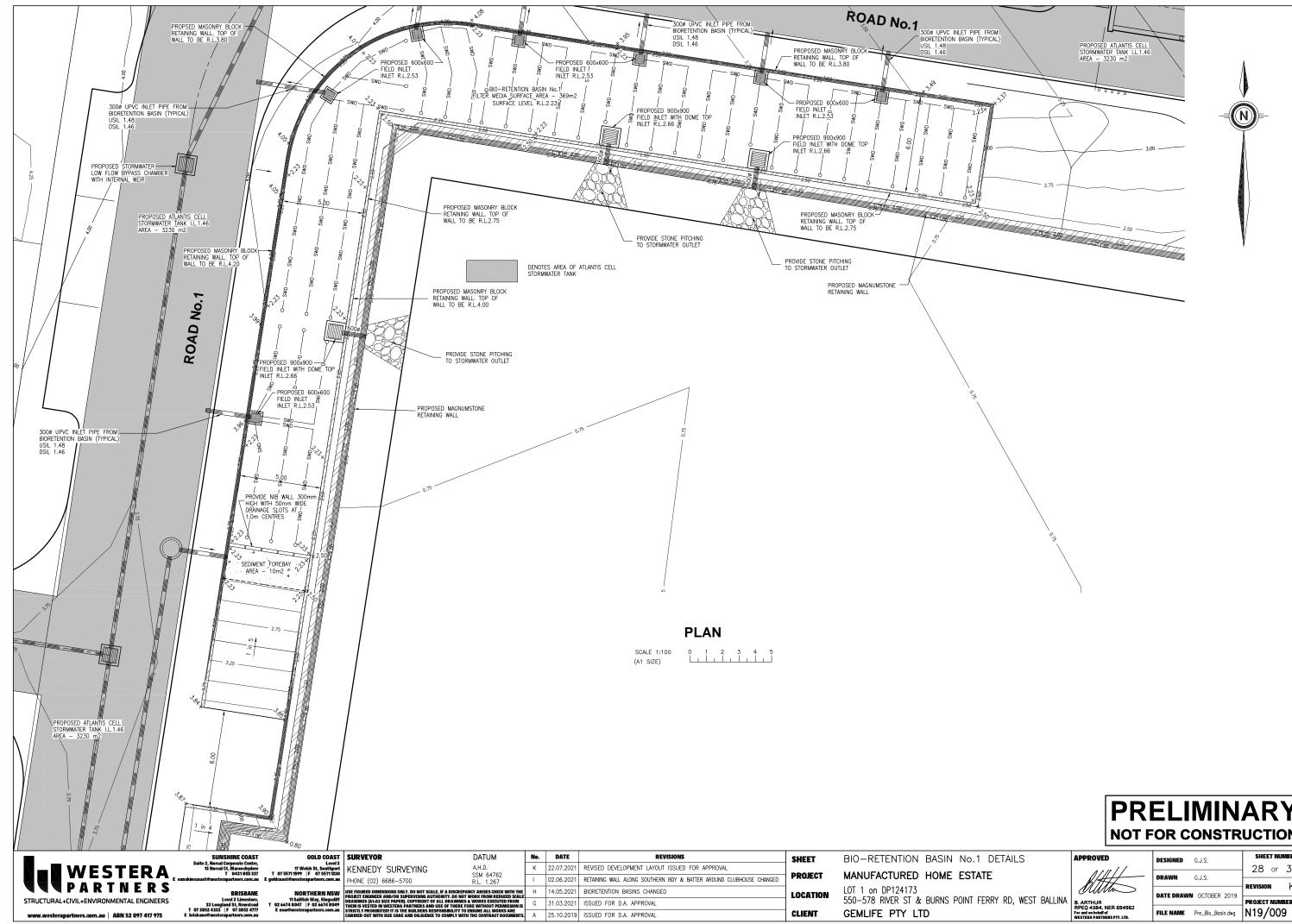
PROJECT

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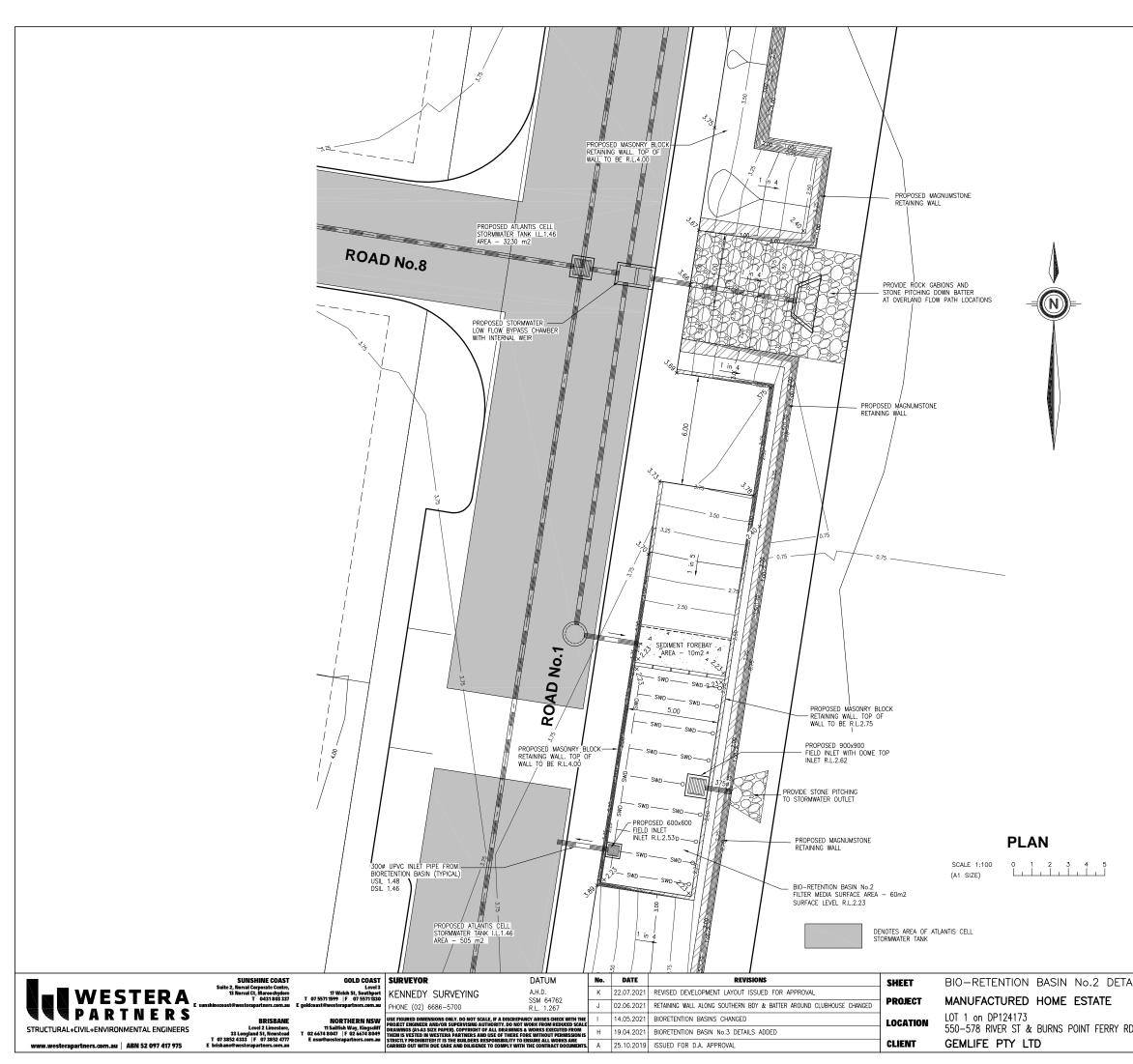
PRELIMINARY ROAD No.15 & No.16 LON MANUFACTURED HOME ESTATE LOT 1 on DP124173 550-578 RIVER ST & BURNS POINT FERRY RD LOCATION GEMLIFE PTY LTD

5.915 ۲

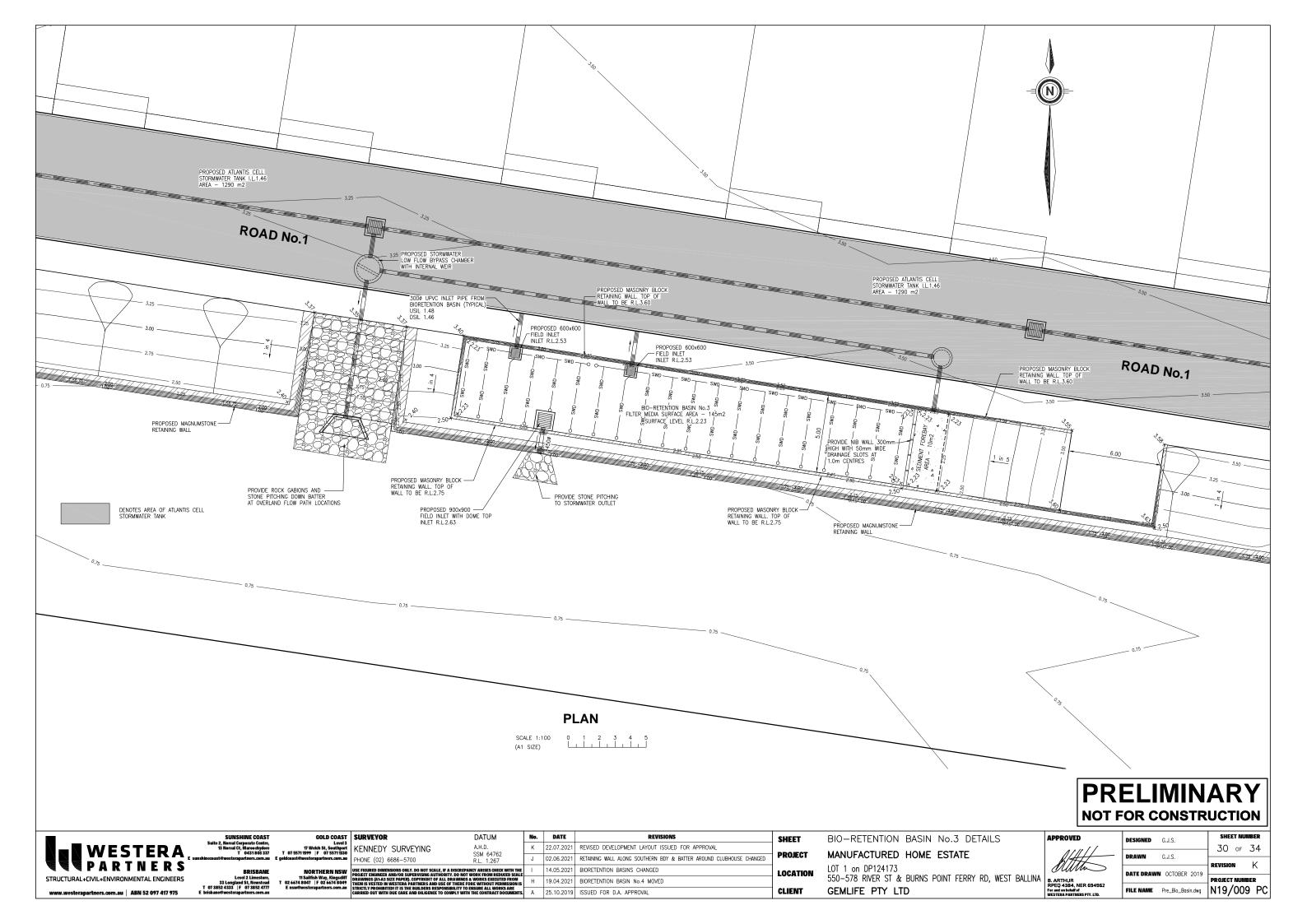
| NG SECTION | APPROVED | DESIGNED | G.J.S. | SHEET NUM | ABER |
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| | MAA | DRAWN | G.J.S. | REVISION | 1 |
| D WEOT DALLING | auna | DATE DRAWN | OCTOBER 2019 | REVISION | J |
| RD, WEST BALLINA | B. ARTHUR | | | PROJECT NUME | |
| | RPEQ 4384, NER 694962 For and on behalf of WESTERA PARTNERS PTY. LTD. | FILE NAME | Pre_Rd_lsec.dwg | N19/009 |) PC |

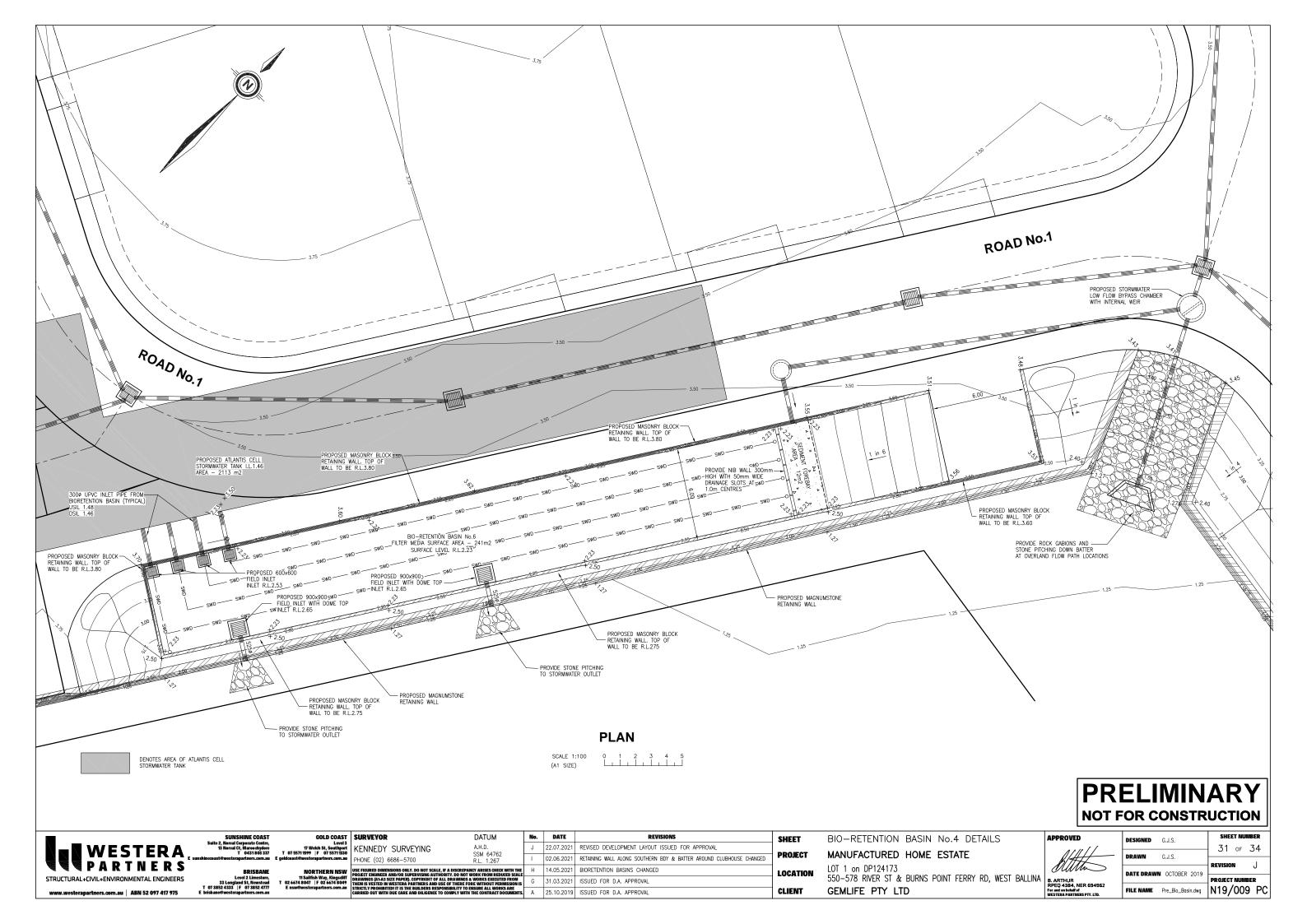


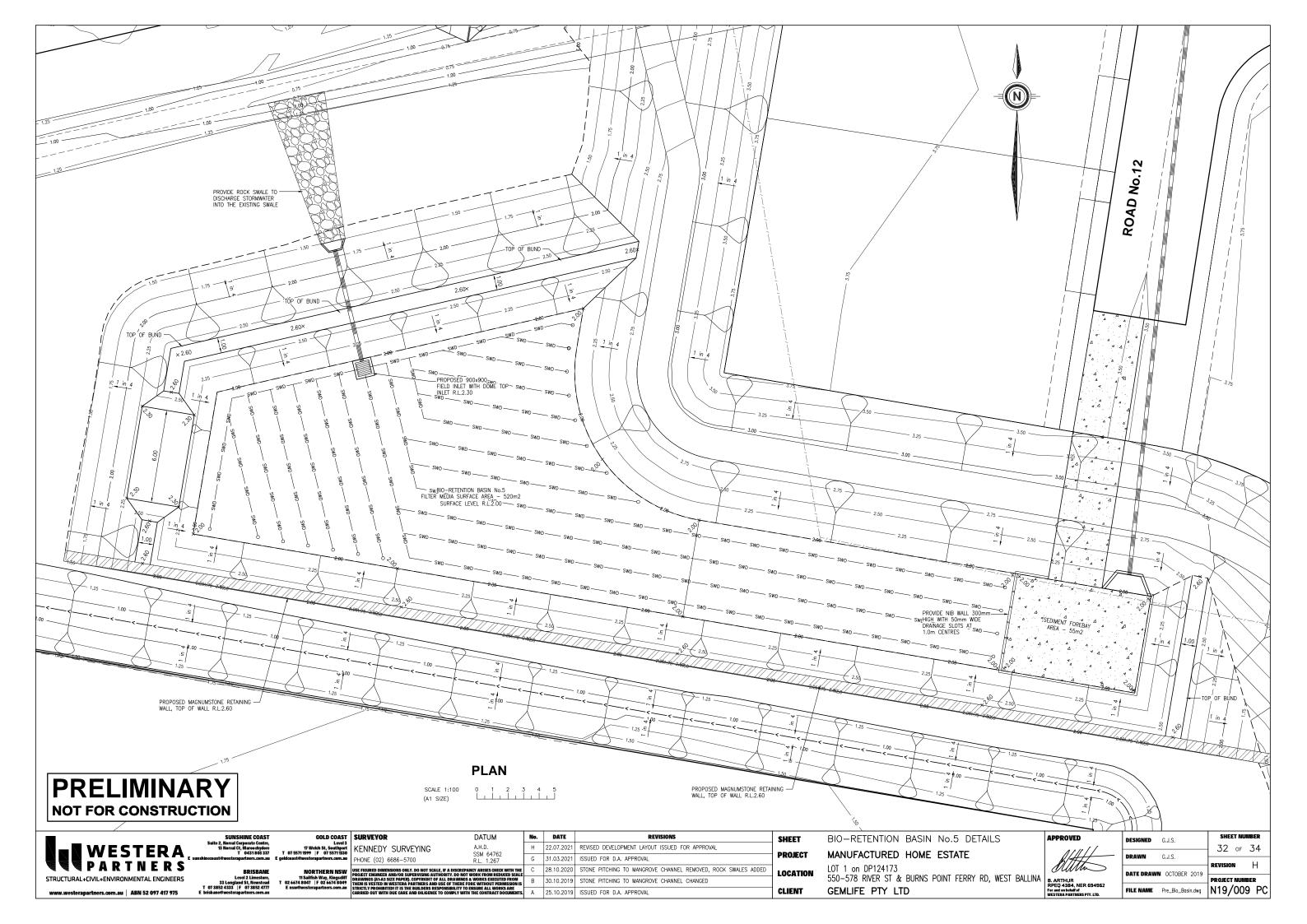
| AILS | APPROVED | DESIGNED G.J.S. | SHEET NUMBER |
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| | RIH! | DRAWN G.J.S. | 28 of 34 |
| RD. WEST BALLINA | 1A MUMa | DATE DRAWN OCTOBER 2019 | REVISION K |
| ND, WEST DALLINA | B. ARTHUR RPEQ 4384, NER 694962 For and on behalf of WESTERA PARTNERS PTY. LTD. | FILE NAME Pre_Bio_Basin.dwg | project number N19/009 PC |

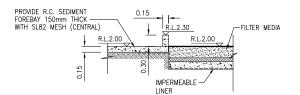


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| | <u> </u> | DRAWN | G.J.S. | 29 OF | 34 |
| | Blatta | | | REVISION | к |
| D, WEST BALLINA | B. ARTHUR | DATE DRAW | OCTOBER 2019 | PROJECT NUM | |
| | RPEQ 4384, NER 694962 For and on behalf of WESTERA PARTNERS PTY. LTD. | FILE NAME | Pre_Bio_Basin.dwg | N19/00 | 9 PC |



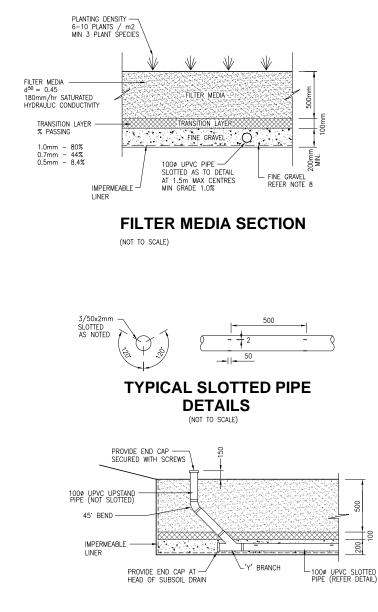






SEDIMENT FOREBAY SECTION

SCALE 1:50



TYPICAL UPSTAND PIPE DETAILS

(NOT TO SCALE)

| | SUNSHINE COAST | GOLD COAST | SURVEYOR | DATUM | No. | DATE | REVISIONS | SHEET | BIO-RETENTION BASIN TYPICAL DETAILS | APPROVED | DESIGNED G.J.S. | SHEET NUMBER |
|---|---|--|---|--|-----|-----------|--|----------|---|--|-----------------------------|----------------|
| WESTERA PARTNERS | Suite 2, Norval Corporate Centre, 13 Norval Ct, Maroochydore T 0431 803 337 | Level 3 17 Welch St, Southport T 07 5571 1599 F 07 5571 1330 | KENNEDY SURVEYING | A.H.D. SSM 64762 | | | | DROFOT | | | | - 33 of 34 |
| | | E goldcoast@westerapartners.com.au | PHONE (02) 6686-5700 | R.L. 1.267 | H 2 | 2.07.2021 | REVISED DEVELOPMENT LAYOUT ISSUED FOR APPROVAL | PROJECT | MANUFACTURED HOME ESTATE | | DRAWN G.J.S. | |
| A A A A A K I N F K 2 | BRISBANE | NOK I HEKN NOW | USE FIGURED DIMENSIONS ONLY. DO NOT SCALE, IF A DISCR | NOT WORK EDOM DEDUCED SCALE | | 1.03.2021 | ISSUED FOR D.A. APPROVAL | LOCATION | LOT 1 on DP124173 | Statte | DATE DRAWN OCTOBER 2019 | REVISION H |
| STRUCTURAL+CIVIL+ENVIRONMENTAL ENGINEERS | | T 02 6674 8047 F 02 6674 8049 | DRAWINGS (A1-A3 SIZE PAPER). COPYRIGHT OF ALL DRAWIN THEM IS VESTED IN WESTERA PARTNERS AND USE OF THER | NGS & WORKS EXECUTED FROM RE FORE WITHOUT PERMISSION IS | B 3 | 0.10.2019 | MULCH REMOVED | | 550–578 RIVER ST & BURNS POINT FERRY RD, WEST BALLINA | B. ARTHUR RPEQ 4384, NER 694962 | | PROJECT NUMBER |
| www.westerapartners.com.au ABN 52 097 417 975 | T 07 3852 4333 F 07 3852 4777 E brisbane@westerapartners.com.au | | STRICTLY PROHIBITED! IT IS THE BUILDERS RESPONSIBILITY CARRIED OUT WITH DUE CARE AND DILIGENCE TO COMPLY V | | A 2 | 5.10.2019 | ISSUED FOR D.A. APPROVAL | CLIENT | GEMLIFE PTY LTD | For and on behalf of WESTERA PARTNERS PTY. LTD. | FILE NAME Pre_Bio_Basin.dwg | N19/009 PC |

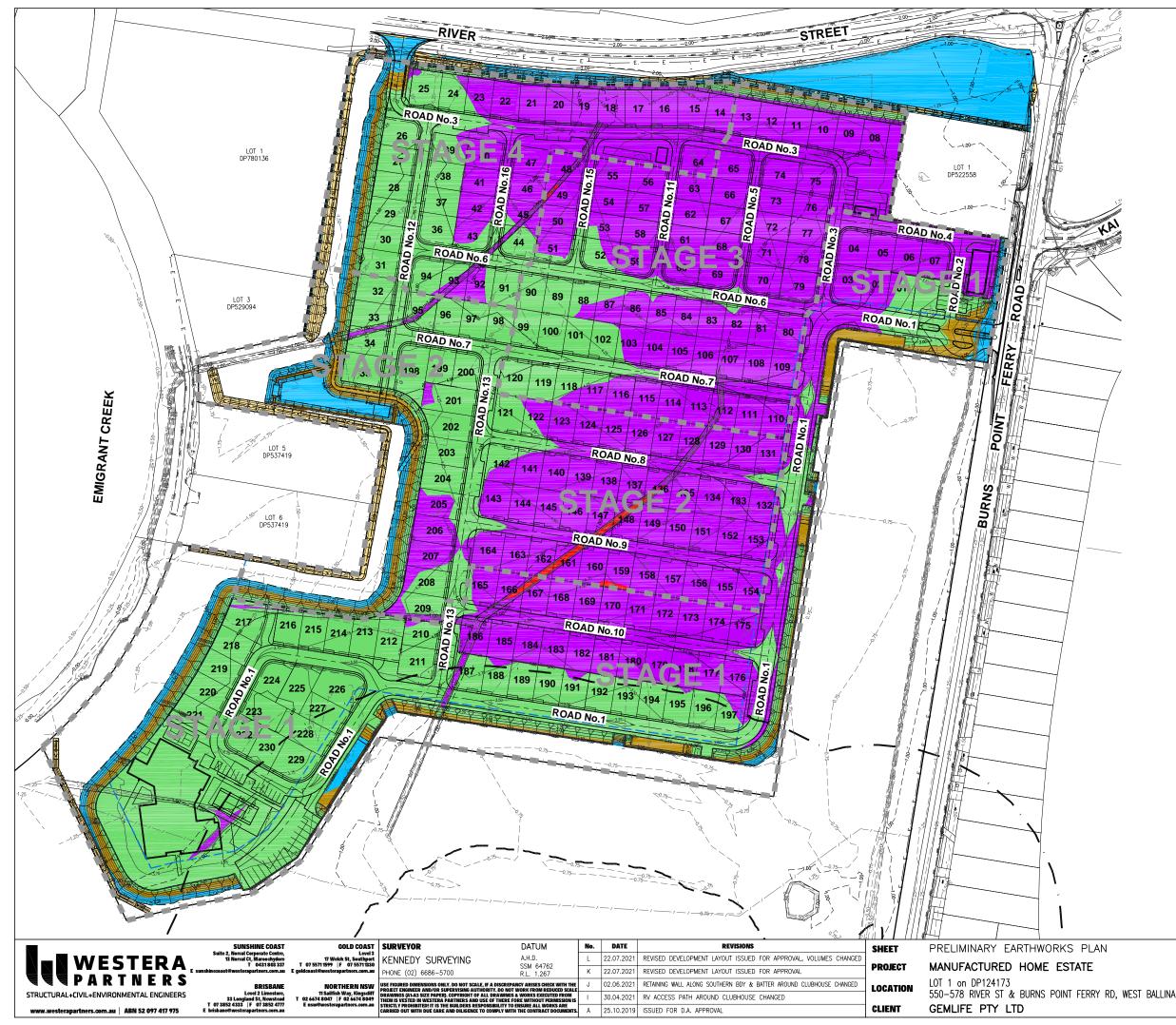
NOTES

- 1. PLEASE ASK IF THERE ARE ANY DOUBTS REGARDING DETAILS SUPPLIED ON THIS DRAWING.
- 2. GENERAL CONSTRUCTION AND PROCUREMENT CONSIDERATIONS SHALL COMPLY WITH THE LATEST VERSION OF THE HEALTHY WATERWAYS GUIDELINE FOR CONSTRUCTION AND ESTABULSHMENT OF VECETATED 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 (ii) IN THE SECOND YEAR OF OPERATION TESTING SHOULD BE CHECKED AT A MINIMUM OF THREE POINTS WITHIN THE SYSTEM.
- 4. THE FOLLOWING PARTICLE SIZE DISTRIBUTION FOR FILTER MEDIA IS A GUIDE

| TOR SELECTING AN AFFROFRATE | WATENIAL | |
|-----------------------------|----------|------------------|
| CLAY & SILT | < 3% | (<0.05mm) |
| VERY FINE SAND | 5-30% | (<0.05 - 0.15mm) |
| FINE SAND | 10-30% | (<0.15 - 0.25mm) |
| 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) < 1.2dS/m
 iv) PHOSPHORUS < 100mg/kg
 - v) ORTHOPHOSPHATE < 80mg/kg
- 6. POTENTIAL FILTER MEDIA SHOULD BE ASSESSED BY A HORTICULTURALIST TO ENSURE THAT THEY ARE CAPABLE OF SUPPORTING A HEALTHY VEGETATION COMMUNITY.
- 7. THE TRANSITION LAYER MATERIAL IS TO BE A CLEAN WELL GRADED SAND/COARSE SAND MATERIAL CONTAINING LITTLE OR NO FINES.
- 8. THE DRAINAGE LAYER IS TO BE CLEAN, FINE GRAVEL, SUCH AS 2-5mm WASHED SCREENINGS.
- 9. THE FILTER MATERIAL IS TO BE LIGHTLY COMPACTED DURING INSTALLATION TO PREVENT MIGRATION OF FINE PARTICLES. IN SMALL SYSTEMS, A SINGLE PASS WITH A VIBRATING PLATE, WHILE IN LARCE 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 IS LESS THAN 500mm
- 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.
- 11. LANDSCAPING 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.





| APPROVED |
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| <u> </u> |
| Matthe |
| B. ARTHUR |
| RPEQ 4384, NER 694962 For and on behalf of WESTERA PARTNERS PTY. LTD. |
| |

DESIGNED G.J.S. RAWN G.J.S. DATE DRAWN OCTOBER 2019 FILE NAME Pre_Earth.dwg

PRELIMINARY

NOT FOR CONSTRUCTION SHEET NUMBER 34 OF 34 EVISION PROJECT NUMBER N19/009 PC

EARTHWORKS PLAN

SCALE 1:1000 0 10 20 30 40 50 (A1 SIZE)

EARTHWORKS SUMMARY

AREA OF FILL – 128,160 m2 AREA OF CUT – 2,873 m2 VOLUME OF FILL – 353,090 m3 VOLUME OF CUT – 709 m3

THE EARTHWORKS VOLUMES SHOWN ARE INDICATIVE NETT THE EARTHWORKS VOLUMES SHOWN ARE INDICATIVE NETT FIGURES ONLY BETWEEN EXISTING SURFACE LEVEL AND FINISHED SURFACE LEVEL NO PROVISION FOR THE DENOLITION WORKS, STRIPPING OF TOPSOIL, UNSUITABLE MATERIAL AND VEGETATION, COMPACTION LOSSES, BOXING OUT FOR ROADS OR EXCAVATION FORBIO-RETENTION BASINS AND SERVICE TRENCHES.

AREA OF CUT -

