CONROY'S GREEN STAGE 7 SAN HUBERTO PROPERTY P/L

GENERAL NOTES:

<u>SURVEY</u>

- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA) 2020, ZONE 54.
- 2. ALL EXISTING SURFACE LEVELS SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES AND ARE ACCURATE TO WITHIN ±0.05m.
- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124–1992 GENERAL CONDITIONS OF CONTRACT, THE ROAD & DRAINAGE SPECIFICATION, APPROVED MUNICIPALITY SPECIFICATIONS AND STANDARD DRAWINGS AND TO THE SATISFACTION OF THE SUPERINTENDENT AND THE MUNICIPAL ENGINEER OR HIS REPRESENTATIVE.
- 4. ROAD CHAINAGES REFER TO ROAD CENTRELINES. CHAINAGES FOR INTERSECTIONS AND CUL-DE-SACS REFER TO THE LIP OF KERB

EARTHWORKS

- THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL LOCAL SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
- WHERE REQUIRED ANY BUILDINGS, TROUGHS, FENCES AND OTHER STRUCTURES ON SITE ARE TO BE REMOVED AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL IS TO BE INCLUDED IN THE OVERALL EARTHWORKS FIGURE UNLESS A SPECIFIC ITEM FOR REMOVAL IS DENOTED IN THE SCHEDULE.
- 7. ALL EXCAVATED ROCK AND SURPLUS SPOIL TO BE REMOVED AND DISPOSED OFF SITE UNLESS NOTED OTHERWISE.
- 8. ALL FILLING ON LOTS AND WITHIN ROAD RESERVES GREATER THAN 200mm IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798–2007. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS.
- 9. FILLING MATERIAL IS TO BE IN ACCORDANCE WITH THE SPECIFICATION, AS 3798-2007 & TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT.
- 10. ALL BATTERS SHALL BE 1 IN 6, UNLESS OTHERWISE SHOWN.
- 11. NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE FOR PUBLIC OPEN SPACE UNLESS OTHERWISE DIRECTED OR APPROVED BY THE SUPERINTENDENT.
- 12. TBM'S TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF T.B.M.'S THEREAFTER.
- 13. AT LEAST 3 DAYS PRIOR TO COMMENCING WORK ON EXCAVATIONS IN EXCESS OF 1.50m DEEP, A NOTIFICATION FORM MUST BE SENT TO WORKSAFE. THE CONTRACTOR IS TO COMPLY WITH WORKSAFE, THE MINES (TRENCHES) REGULATION 1982, THE MINES ACT 1958 AND OCCUPATIONAL HEALTH AND SAFETY ACT 1985, 2004.
- 14. ALL SERVICE TRENCHES UNDER DRIVEWAYS, FOOTPATHS AND PARKING BAYS TO BE BACKFILLED WITH CLASS 2 CRUSHED ROCK. SERVICE TRENCHES LESS THAN 750mm BEHIND KERB AND CHANNEL OR PAVED TRAFFIC AREAS ARE ALSO TO BE BACKFILLED WITH COMPACTED CLASS 2 CRUSHED ROCK.
- 15. WHERE REQUIRED, ALL EXISTING DAMS, DEPRESSIONS AND DRAINS ARE TO BE BREACHED, DRAINED, DESLUDGED AND SHALL BE EXCAVATED TO A CLEAN FIRM BASE THE SURFACE SHALL BE INSPECTED, APPROVED AND LEVELED BY THE ENGINEER PRIOR TO COMMENCEMENT OF FILLING. THE FILL SHALL BE APPROVED SELECTED ON SITE MATERIAL OR APPROVED IMPORTED MATERIAL. THE FILL SHALL BE PLACED UNDER CONTROLLED MOISTURE CONDITIONS IN ACCORDANCE WITH THE SPECIFICATION
- 16. NO BLASTING TO BE CARRIED OUT WITHIN THE MUNICIPALITY WITHOUT OBTAINING COUNCILS PERMISSION.

SERVICES

17. GAS AND WATER CONDUITS ARE TO BE , Ø50mm . CLASS 12 P.V.C. – SINGLE SERVICE Ø100mm . CLASS 12 P.V.C. – DUAL SERVICE (DRINKING AND NON DRINKING WATER)

WITH THE FOLLOWING MINIMUM COVER TO FINISHED SURFACE LEVELS: ROAD PAVEMENT - 0.80m VERGE, FOOTPATHS - 0.45m

- 18. ALL SERVICE CONDUIT TRENCHES UNDER ROAD PAVEMENTS TO BE BACKFILLED IN ACCORDANCE WITH RELEVANT MUNICIPALITY OR ROAD AUTHORITY SPECIFICATION.
- 19. WATER TAPPINGS TO BE LOCATED IN CENTRE OF ALLOTMENTS UNLESS OTHERWISE SHOWN.
- 20. TELSTRA ARE TO BE NOTIFIED 7 DAYS PRIOR TO PLACEMENT OF CONCRETE WORKS. STORM WATER DRAINAGE
- 21. AG/SUBSOIL DRAIN TO BE LAID BEHIND KERB WHERE REQUIRED IN ACCORDANCE WITH THE COUNCIL STANDARD DRAWINGS AND CONNECTED TO UNDERGROUND DRAINAGE.
- 22. ALL STORMWATER DRAINS ARE TO BE CLASS '2' R.C. PIPES UNLESS OTHERWISE SHOWN. ALL R.C. JOINTS ARE TO BE RUBBER RING JOINTED (R.R.J.) UNLESS OTHERWISE SHOWN.

- 23. CENTRELINES OF ALL EASEMENT DRAINS ARE OFFSET 1.0m OR 2.2m (WHERE OUTSIDE OF SEWER) FROM THE PROPERTY LINE UNLESS SHOWN OTHERWISE.
- 24. WHERE CURVED PIPES ARE SHOWN ON THE FACE PLANS THEY ARE TO BE LAID PARALLEL TO THE BACK OF KERB. EXCEPT WHERE A RADIUS HAS BEEN SPECIFICALLY NOMINATED. CURVED PIPES ARE TO BE APPROVED BY COUNCIL AND IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.

<u>PAVEMENT</u>

- 25. PAVEMENT DEPTHS MAY BE MODIFIED AS DIRECTED BY THE SUPERINTENDENT. PAVEMENT TO BE BOXED OUT TO MINIMUM DEPTH DENOTED, INSPECTED AND IF SUBGRADE IS IN QUESTION, FURTHER TESTING CARRIED OUT TO DETERMINE FINAL PAVEMENT DEPTH.
- WHERE PAVEMENT IS CONSTRUCTED ON FILLING, FILL MATERIAL IS TO BE APPROVED BY 26 THE SUPERINTENDENT AND COUNCIL, FILLING TO BE CONSTRUCTED IN LAYERS 150mm THICK WITH COMPACTION ACHIEVING 95% AUSTRALIAN STANDARD DENSITY.
- 27. WHEN PAVEMENT EXCAVATION IS IN ROCK ALL LOOSE MATERIAL (INCLUDING ROCKS AND CLAY) MUST BE REMOVED. THE SUB-GRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.

SIGNAGE AND LINEMARKING

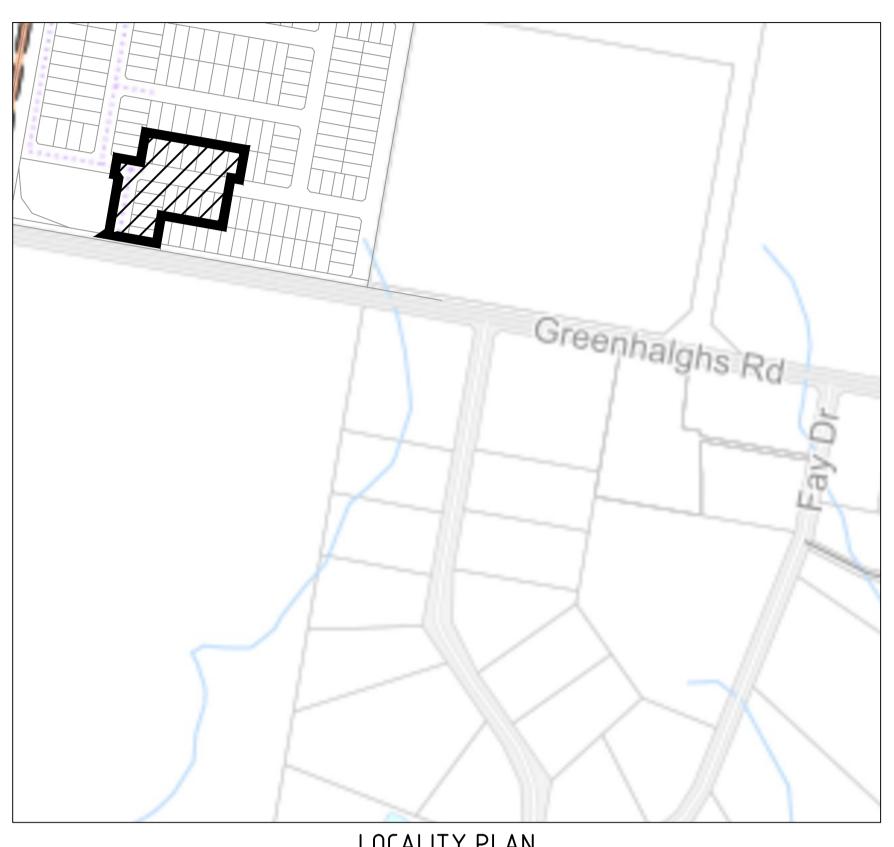
- 28. LINEMARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742 SERIES UNLESS NOTED OTHERWISE. STREET SIGNS ARE TO BE INSTALLED IN ACCORDANCE WITH COUNCIL STANDARDS.
- 29. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE SUPPLIED AND MAINTAINED IN ACCORDANCE WITH AS 1742-3.
- 30. TACTILE GROUND SURFACE INDICATORS ARE TO BE INSTALLED IN ACCORDANCE WITH THE DISABILITY DISCRIMINATION ACT AND RELEVANT COUNCIL STANDARD DRAWINGS. ENVIRONMENTAL
- 31. CONTRACTOR TO PROVIDE AN ENVIRONMENTAL MANAGEMENT PLAN INCLUDING SILT AND SEDIMENT RUNOFF PROTECTION ETC. PRIOR TO THE COMMENCEMENT OF WORKS.
- 32. ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN. IF ROAD AND DRAINAGE CONSTRUCTION NECESSITATES THEIR REMOVAL, WRITTEN PERMISSION MUST BE OBTAINED FROM THE SUPERINTENDENT.
- 33. TREES NOT SPECIFIED FOR REMOVAL ARE TO BE PROTECTED WITH APPROPRIATE EXCLUSION FENCING PRIOR TO COMMENCEMENT OF ANY WORKS.



WARNING

BEWARE OF UNDERGROUND/OVERHEAD SERVICES THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

| | | | | Scale |
|-------|---|----------|----------|-------|
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| | | | | |
| | | | | |
| C A | AMENDED AS PER COUNCIL COMMENTS 6/5/22 | A.W | 08/05/22 | |
| B A | AMENDED AS PER COUNCIL COMMENTS 25/3/22 | A.W | 04/04/22 | |
| A F | PRELIMINARY ISSUE | AW | 17/02/22 | |
| Rev A | Amendments | Approved | Date | |



LOCALITY PLAN H 1:4000 0 40 80 120 160 200 SCALE @ A1

DRAWING SCHEDULE

| DRAWING | DESCRIPTION | SHEET No. | REVISION |
|---------|--|-----------|----------|
| CR100 | GENERAL NOTES – SHEET 1 | 1 | С |
| CR200 | ROAD LAYOUT PLANS - SHEET 1 | 2 | С |
| CR201 | ROAD LAYOUT PLANS - SHEET 2 | 3 | A |
| CR202 | ROAD LAYOUT PLANS - SHEET 3 | 4 | C |
| CR300 | ROAD LONG SECTIONS - SHEET 1 | 5 | В |
| CR400 | ROAD CROSS SECTIONS - SHEET 1 | 6 | А |
| CR401 | ROAD CROSS SECTIONS - SHEET 2 | 7 | A |
| CR402 | ROAD CROSS SECTIONS - SHEET 3 | 8 | В |
| CR403 | ROAD CROSS SECTIONS - SHEET 4 | 9 | В |
| CR404 | ROAD CROSS SECTIONS - SHEET 5 | 10 | A |
| CR405 | ROAD CROSS SECTIONS - SHEET 6 | 11 | А |
| CR500 | INTERSECTION DETAILS - SHEET 1 | 12 | C |
| CR600 | DRAINAGE LONG SECTIONS - SHEET 1 | 13 | В |
| CR601 | DRAINAGE LONG SECTIONS - SHEET 2 | 14 | А |
| CR602 | DRAINAGE LONG SECTIONS - SHEET 3 | 15 | В |
| CR700 | PAVEMENT AND TYPICAL DETAILS – SHEET 1 | 16 | В |
| CR800 | SIGNAGE AND LINEMARKING – SHEET 1 | 17 | С |

SERVICE LOCATION TABLE

Ň

MGA 2020

ZONE 54

| | ROAD | NAM |
|------------------|----------|-------|
| LAPWING ENTRANC | E | |
| BUTCHERBIRD PARA | ADE 🛛 | |
| 1. TELECOMMUN | ICATIONS | and e |

3. × = OFFSET FROM BACK OF KERB



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Designed S.WOOD Authorised A.WILKIE

Checked **B.IBBS** Date 17/02/22



ABN 55 050 029 635

<u>LEGEND</u>

| DESCRIPTION | EXISTING | PROPOSED |
|---|---------------------------------------|---------------------------------------|
| WATER MAIN, VALVE AND HYDRANT | | DW |
| UNDERGROUND ELECTRICITY | | E |
| TELECOMMUNICATIONS & SERVICE PIT | ī _ _ | |
| GAS MAIN | — — — G — — — | G |
| BRANCH SEWER & MAINTENANCE STRUCTURE | \$ _ | <u>Ş</u> |
| SEWER & MAINTENANCE STRUCTURE | — — _ S — - O — | S |
| SEWER RISING MAIN | — — — SRM — — — | |
| CENTRAL INVERT | > > _ | >> |
| COUNCIL STORMWATER DRAIN AND PIT | | |
| STORM WATER DRAINAGE PROPERTY INLETS | <u>_</u> | · · · · · · · · · · · · · · · · · · · |
| COUNCIL STORM WATER PITS | | |
| HOUSE DRAIN | •H | •H |
| AG DRAIN AND FLUSHER | > AG | ──> AG ── ⊙ ─ |
| STORM WATER DRAINAGE PIT TYPE & NUMBER | EX219EP | (302JP) |
| GAS & WATER CONDUITS | GW | GW |
| RIDGE / CHANGE OF GRADE LINE | | _ · _ · _ · _ · _ · _ |
| SURFACE CONTOUR MINOR | | |
| SURFACE CONTOUR MAJOR | | |
| SURFACE LEVEL BATTER LEVEL (TOP / TOE) | E123.45 | F124.68 T124.80 |
| EARTHWORKS GRADE | T124.80 | 1 124.80 1 in 150 |
| SIGN AND POST | <u> </u> | |
| STREET SIGN | •>==> | • |
| PERMANENT SURVEY MARK | | |
| TEMPORARY BENCH MARK | | |
| BOLLARD | - | <u>∠</u> → |
| ROAD CHAINAGES | CH116.57 (L/R)TP | CH116.57 (L/R)TP |
| LOT CHAINAGES | CH116.57 CH20.06 | СН116.57 СН20.06 |
| SETOUT POINT | | Al |
| LIMIT OF WORKS | | |
| BATTER | | |
| ROCK BEACHING | | 2222 |
| ROCK DEACHING | | |
| RETAINING WALL | | |
| FENCE – TREE PROTECTION | ~ × × × × × × | ~ × × × × × × |
| FENCE – VEHICLE EXCLUSION | | |
| FENCES | /// | / / / |
| | · · · · · · · · · · · · · · · · · · · | |
| | | |
| TREE (& SURVEYED CANOPY) TO BE RETAINED | (EJ) | |
| TREE TO BE PROTECTED | | |
| TREE TO BE REMOVED | | |
| VEGET Δ ΤΙΩΝ Ι ΙΝΕ | | |

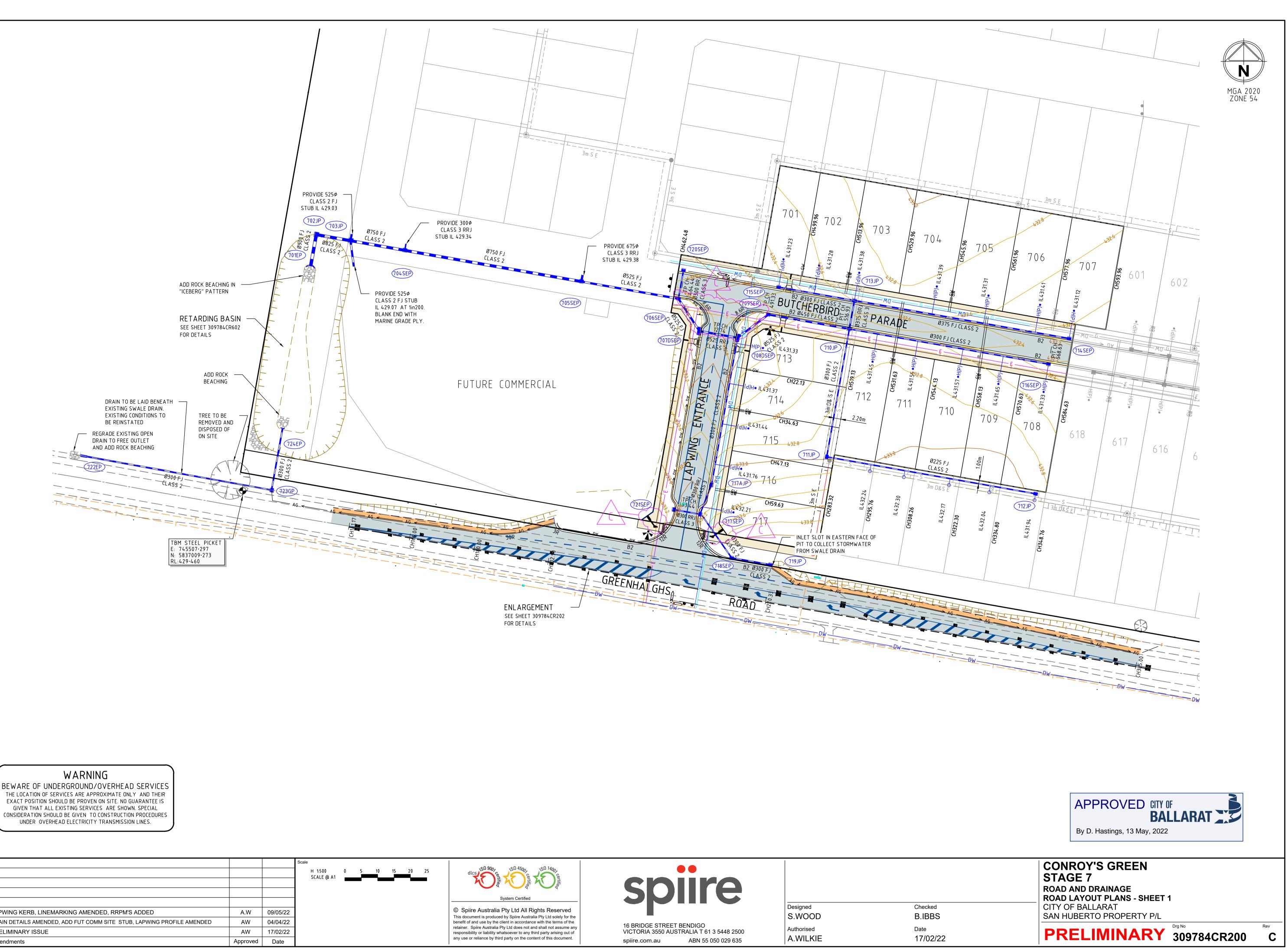
VEGETATION LINE FOOTPATH TACTILE GROUND SURFACE INDICATOR KERB TRANSITION

| | ABLE TER | G/ | 4S | NE (tele | 3N ECOM) | ELECTRICITY | | | | |
|------|-----------------|------|--------|-------------|-------------|-------------|--------|--|--|--|
| SIDE | IDE OFFSET SIDE | | OFFSET | SIDE | OFFSET | U/G C | ABLE | | | |
| SIDE | OFFSET | SIDE | OFFSET | SIDE | OFFSET | SIDE | OFFSET | | | |
| E | 2.95 | E | 2.40 | W | 1.80 | W | 2.70 | | | |
| N | 2.95 | Ν | 2.40 | S | 1.80 | S | 2.70 | | | |

ELECTRICITY CABLES TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRG'S 2. GAS AND WATER MAINS TO BE CONSTRUCTED IN A COMMON TRENCH.

······

| PRELIMINARY | 309784CR100 | С |
|---------------------------|-------------|-----|
| SAN HUBERTO PROPERTY P/L | Drg No | Rev |
| | | |
| GENERAL NOTES - SHEET 1 | | |
| ROAD AND DRAINAGE | | |
| CONROY'S GREEN STAGE 7 | | |



THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES

| Ā | | | | | Scale | | | | | |
|------------|-----|--|----------|----------|-----------------------|--|----|----|----|--|
| | | | | | H 1:500 SCALE @ A1 | | 15 | 20 | 25 | |
| | | | | | | | | | | |
| 167 | | | | | | | | | | |
| | | | | | | | | | | |
| į | С | LAPWING KERB, LINEMARKING AMENDED, RRPM'S ADDED | A.W | 09/05/22 | | | | | | |
| | В | DRAIN DETAILS AMENDED, ADD FUT COMM SITE STUB, LAPWING PROFILE AMENDED | AW | 04/04/22 | | | | | | |
| | А | PRELIMINARY ISSUE | AW | 17/02/22 | | | | | | |
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PRELIMINARY ISSUE А Rev Amendments

tted by Ashley Wil /05/2022 9:19 AM 9

17/02/22

Date

AW

Approved

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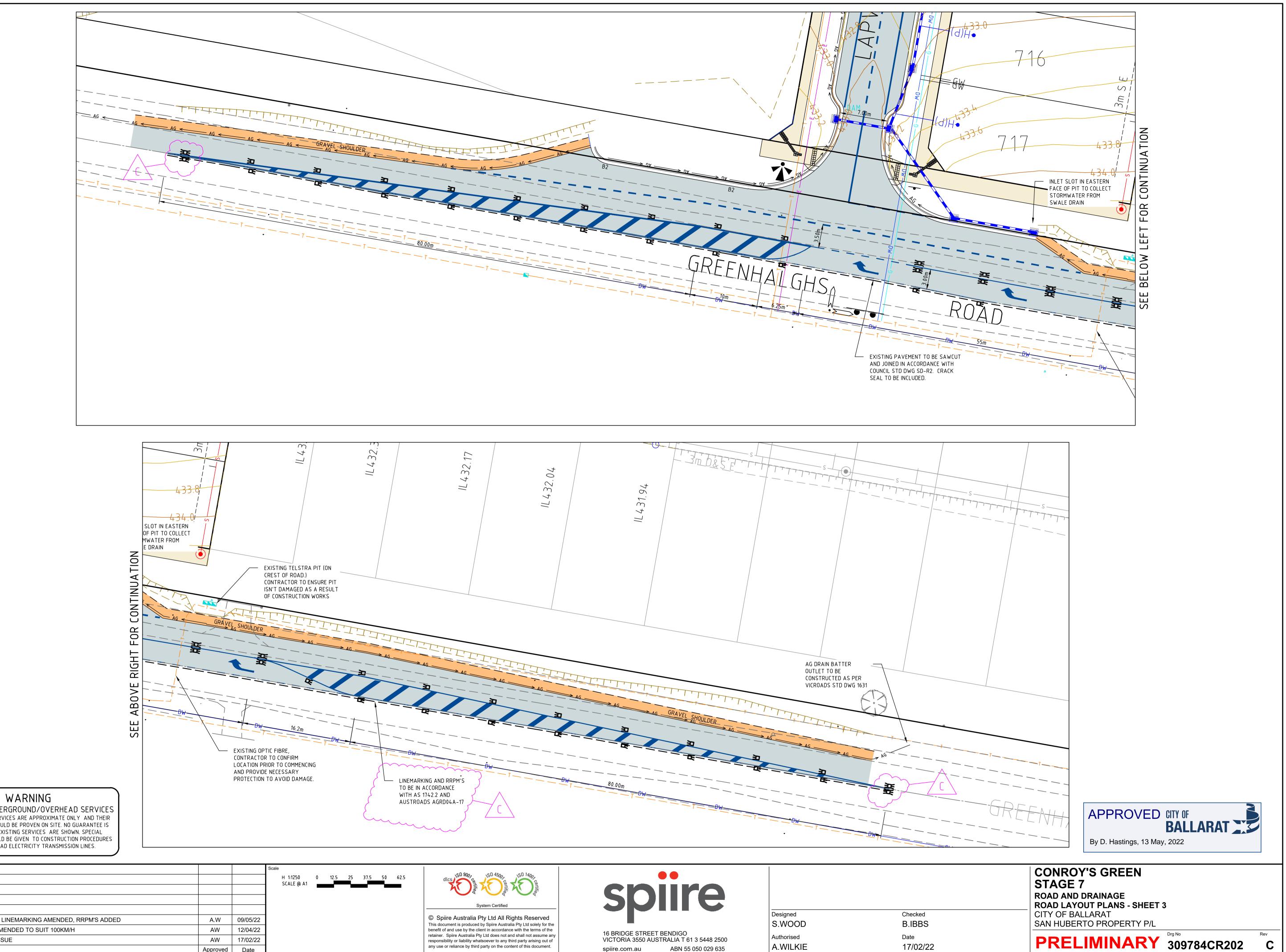
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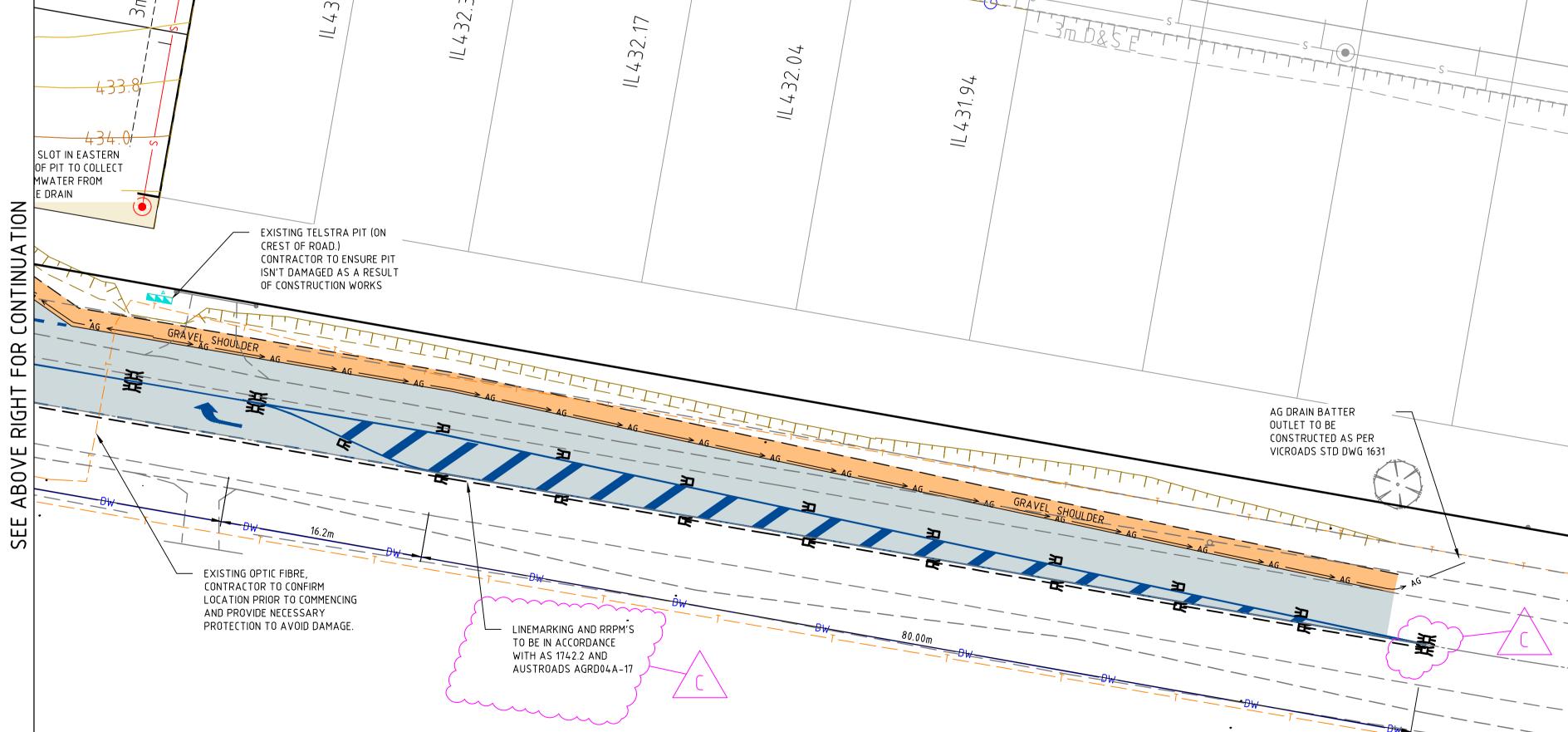
S.WOOD Authorised A.WILKIE **B.IBBS** Date 17/02/22

| DEPTH RA | NGES (100m | ım) |
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| FROM | ТО | COLOUR |
| - | -0.80 | |
| -0.80 | -0.70 | |
| -0.70 | -0.60 | |
| -0.60 | -0.50 | |
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| -0.20 | -0.10 | |
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| 0.70 | 0.80 | |
| 0.80 | + | |

SAN HUBERTO PROPERTY P/L

PRELIMINARYDrg No
309784CR201Rev
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BEWARE OF UNDERGROUND/OVERHEAD SERVICES THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

| | | | | Scale | | | | | | |
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| | | | | H 1:1250 SCALE @ A1 | 0 | 25 | 37.5 | 50 | 62.5 | |
|) + (| | | | | | | | | | |
| 160 | | | | | | | | | | |
| | | | | | | | | | | - |
| G C | C LAPWING KERB, LINEMARKING AMENDED, RRPM'S ADDED | A.W | 09/05/22 | | | | | | | © Tł |
| В | 3 TRANSITIONS AMENDED TO SUIT 100KM/H | AW | 12/04/22 | | | | | | | be |
| | A PRELIMINARY ISSUE | AW | 17/02/22 | | | | | | | re re |
| Re | ev Amendments | Approved | Date | | | | | | | ar |

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| Designed | Checked |
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| S.WOOD | B.IBBS |
| Authorised | Date |
| A.WILKIE | 17/02/22 |
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| | | | | Scale | | | | | | | | |
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| | | | | | H 1:500 SCALE @ A1 | 0 | 5 | 10 | 15 | 20 | 25 | |
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| | | | | | | | | | | | | © |
| В | LAPWING AMENDED | AW | 12/04/22 | | | | | | | | | Th be |
| А | PRELIMINARY ISSUE | AW | 17/02/22 | | | | | | | | | ret re: |
| Rev | Amendments | Approved | Date | | | | | | | | | an |
| | | | | | | | | | | | | |

BUTCHERBIRD PARADE

| 6.450 6.450 11.950 11.950 11.950 430.509 12.550 430.506 12.550 430.506 17.450 431.133 17.450 431.133 18.825 431.133 20.000 431.618 22.130 431.461 22.130 431.452 28.825 430.931 43.657 430.931 38.825 429.199 40.000 429.199 43.133 433.0 | 429.238 429.240 429.240 429.246 429.246 429.246 | 54.857 429.258 433.4 55.257 429.260 433.4 55.486 429.260 433.4 56.900 429.265 433.5 58.400 429.270 433.5 | 76.493 76.493 80.000 82.493 87.205 90.204 | | UTURE STAGE HO LINI | AGE 7 | | | | | | | | S | TAGE 7 | LIMIT OF WORKS | STAGE 6 | 6 | | APPRC By D. Hasting | B | ALLARAT |
|---|--|--|--|-----------------------|---|---------|----------|-------------------------------|---------|--------------------|--------------------------------|--|-------------------------------|--------------------|--------------------|-------------------|--------------------|--|-------------------------------|------------------------|----------|---|
| t m m 5 5 5 4 4 1 1 1 1 2 0 | | | | | | | | | | | | | | | | | | | | | | |
| VERTICAL GEOMETRY | | 30.00m V | c | | | | | | < | 4 | 0.00m VC | | | | | | | | | | | |
| DESIGN GRADELINE | 0.50% | | | | 1.50% | | | | | | ->< | | | | | | -0.832 | % | | | | |
| DATUM RL 428.5 | | | | | | | | | | | | | | | | | | | | | | |
| DESIGN CENTRELINE | 430.980 431.001 431.014 | 4.31.066 4.31.113 | 431.196 431.215 431.301 | 431.404 | 431.764 431.787 431.824 431.853 | 432.087 | 432.257 | 432.386 432.387 432.471 | 432.576 | 432.621 432.626 | 432.654 432.663 432.664 | 432.664 432.642 432.616 432.604 | 432.602 432.500 432.500 | 432.468 | 432.335 432.318 | 432.279 | 432.202 432.163 | 32.08 | 431.985 431.981 431.954 | 431.850 | 431.734 | 431.651 431.630 431.572 431.568 431.568 |
| LEFT DESIGN BOUNDARY | 431.095 431.115 431.128 | 431.181 431.229 | 431.311 431.329 431.440 | 431.570 | 431.878 431.901 431.938 431.968 | 432.201 | 432.371 | 432.501 432.501 432.586 | 432.690 | 432.735 432.741 | 432.768 432.778 432.779 | 32.7 32.7 32.7 | 32.716 32.615 | 32.583 | 432.450 432.433 | | 432.316 432.277 | | 432.099 432.096 432.069 | 431.965 431.933 | 431.88/ | 431.833 |
| RIGHT DESIGN BOUNDARY | 431.095 431.158 431.158 | 4,31.327 4,31.375 | 4,31.4.57 4,31.4.75 4,31.561 | 4,31.664 4,31.74.7 | 432.024 432.047 432.084 | | 432.371 | 432.501 432.501 432.586 | 432.690 | 432.735 432.741 | 432.768 432.778 432.779 | 432.779 432.757 432.731 432.719 | | | 432.450 432.433 | 432.3 | 432.316 432.277 | 432.266 432.200 432.173 | 432.099 432.096 432.069 | 431.965 431.933 | 431.867 | 431.881 431.890 431.833 431.829 431.829 |
| LEFT DESIGN LIP OF KERB | 430.868 430.889 430.902 | 4,30.954 | 4,31.085 4,31.103 4,31.189 | 431.292 | 431.652 431.675 431.712 431.712 431.742 | 431.975 | 432.145 | 432.274 432.275 432.359 | 432.464 | 432.509 432.515 | 432.542 432.552 432.552 | 432.552 432.531 432.505 432.493 | 432.490 432.389 432.389 | 432.357 | 432.223 432.206 | 432.168 | 432.090 432.051 | 432.040 431.973 431.947 431.947 | 431.873 431.869 431.843 | 1 | 431.001 | 431.461 431.456 |
| RIGHT DESIGN LIP OF KERB | 430.868 430.889 430.902 | 4,30.954 | 4.31.085 4.31.103 4.31.189 | 4.31.292 4.31.375 | 431.652 431.675 431.712 | | 432.145 | 432.274 432.275 432.359 | 432.464 | 432.509 432.515 | 432.542 432.552 432.552 | 432.552 432.531 432.505 432.493 | 432.490 432.389 432.389 | 432.357 | 432.223 432.206 | .168 | 432.090 432.051 | 31. 37. | 431.873 431.869 431.843 | 431.739 431.706 | 431.601 | 431.540 431.518 431.461 431.461 431.456 |
| EX SURFACE LEFT BOUNDARY | | | | | | | 432.680 | 432.743 432.743 432.750 | 432.759 | 432.764 | 432.717 432.686 432.676 | 432.674 432.584 432.522 432.500 | 432.495 432.389 | | 432.216 432.181 | 432.101 | 431.993 431.967 | 923 923 906 | 431.828 431.824 431.796 | 431.681 | 431.544 | 431.367 431.319 431.194 431.185 |
| EX SURFACE RIGHT BOUNDARY | | | | | 432.268 432.268 432.311 432.310 432.330 | 432.473 | 432.552 | 432.613 432.613 432.638 | 432.593 | | 432.489 432.477 432.478 | 432.478 432.483 432.471 432.470 | 432.458 432.458 432.366 | 432.352 | 432.275 432.240 | 432.193 | 432.096 432.057 | 244 244 | 431.861 431.857 431.830 | 31.723 | 4.31.582 | 431.367 431.540 431.319 431.518 431.252 431.194 431.250 431.194 431.250 431.185 |
| CHAINAGE | 393.457 397.596 400.000 | 407.457 | 420.000 421.457 427.596 | 440.000 | 458.458 460.000 462.480 464.435 | 480.000 | 4,91.335 | 499.957 500.000 505.631 | 513.957 | 519.135 520.000 | 525.631 529.957 531.34.6 | | 545.957 558.135 558.135 | 561.957 570.635 | 577.957 580.000 | 584.635 | 593.957 598.635 | 600.000 607.957 611.135 | 620.000 620.457 623.635 | <u> </u> | 650.135 | 660.000 662.635 669.488 670.000 |

LAPWING ENTRANCE

| VERTICAL GEOMETRY | 11.00m VC 20.00m VC 20.00m VC 12.00m VC | |
|---------------------------|--|-----|
| DESIGN GRADELINE | | |
| DATUM RL 427.0 | | |
| DESIGN CENTRELINE | 431.912 432.055 431.848 431.848 431.848 431.848 431.848 431.848 431.848 431.900 431.917 431.901 431.901 431.901 431.901 431.901 431.901 431.901 431.901 433.040 433.101 | |
| LEFT DESIGN BOUNDARY | - - + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.043 + 43.043 + 43.043 + 43.043 + 43.043 + 43.043 + 43.043 + 43.043 + 43.043 + 43.043 + 43.043 + 43.043 + 43.043 + 43.043 < | |
| RIGHT DESIGN BOUNDARY | - - + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 432.042 + 32.042 + 432.042 + 32.042 + 432.042 + 32.042 + 432.042 + 32.042 + 432.042 + 432.041 + 432.041 + 32.042 + 432.041 + 32.042 + 432.041 + 32.042 + 432.041 + 32.042 + 432.041 + 33.014 + 432.041 + 33.014 + 432.041 + 33.014 + 433.011 + 33.014 | |
| LEFT DESIGN LIP OF KERB | - - + 31.686 + 31.686 + 31.686 + 31.686 + 31.756 + 31.756 + 32.878 + 32.338 + 32.574 + 32.378 + 32.574 + 32.574 + 32.574 + 32.574 | |
| RIGHT DESIGN LIP OF KERB | - $+ 31.686$ $+ 31.686$ $+ 31.686$ $+ 31.738$ $+ 31.736$ $+ 32.299$ $+ 32.338$ $+ 32.378$ $+ 32.378$ $+ 32.378$ $+ 32.378$ $+ 32.378$ $+ 32.574$ $+ 32.574$ $+ 32.577$ | |
| EX SURFACE LEFT BOUNDARY | - | |
| EX SURFACE RIGHT BOUNDARY | A B B B B B B B B B B B B B B B B B B B | STA |
| CHAINAGE | 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.0000 0.0000 0.000 | |







16 BRIDGE STREET BENDIGO VICTORIA 3550 AUSTRALIA T 61 3 5448 2500 ABN 55 050 029 635 spiire.com.au

Designed S.WOOD Authorised A.WILKIE

Checked B.IBBS Date 17/02/22 CONROY'S GREEN STAGE 7 ROAD AND DRAINAGE ROAD LONG SECTIONS - SHEET 1 CITY OF BALLARAT SAN HUBERTO PROPERTY P/L

APPROVED CITY OF



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| | GREENHALGHS ROAD | | | | CH 141.17 |
|-----|-------------------|----------|----------|-------------------------|-----------------|
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| Rev | Amendments | Approved | Date | | |

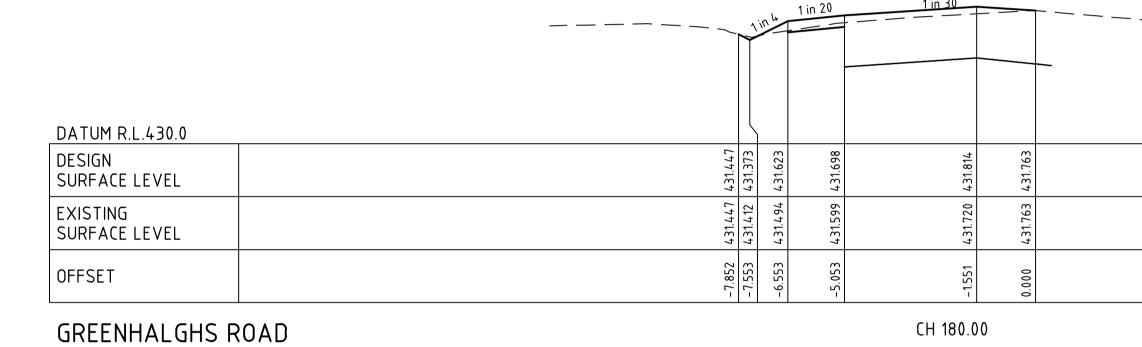
DATUM R.L.429.0

DESIGN SURFACE LEVEL

EXISTING SURFACE LEVEL

OFFSET

| | | 1 ir | 14 | 1 in 20 | 1 in 30 | | |
|---------------------------|---------|---------|---------|---------|-----------|---------|--|
| DATUM R.L.429.0 | | | | | | | |
| DESIGN SURFACE LEVEL | 430.949 | 430.587 | 430.978 | 431.053 | 431.169 | 431.145 | |
| EXISTING SURFACE LEVEL | 676.064 | 430.820 | 430.946 | 431.037 | 431.135 | 431.145 | |
| OFFSET | -8.742 | -7.293 | -5.731 | -4.231 | -0.727 | 0.000 | |
| GREENHALGHS ROAD | | | | | CH 160.00 | | |



GREENHALGHS ROAD

| DATUM R.L.430.0 | | | | | | | | | |
|---------------------------|----------|---------|---------|---------|-----------|---------|---------|----------|--|
| DESIGN SURFACE LEVEL | 432.248 | 431.847 | 432.097 | 432.172 | | 432.486 | 432.408 | 4.32.249 | |
| EXISTING SURFACE LEVEL | 432.248 | 432.243 | 432.240 | 432.237 | | 432.356 | 432.408 | 4.32.249 | |
| OFFSET | - 15.829 | -14.227 | -13.227 | -11.727 | | -2.326 | 0.000 | 3.4.79 | |
| GREENHALGHS ROAD | | | | | CH 202.90 | | | | |

1 in 3

1 in 64.6

1 in 10.9 1 in 20

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430.233

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Checked Designed S.WOOD B.IBBS Date Authorised A.WILKIE 17/02/22

GREENHALGHS ROAD

DESIGN SURFACE LEVEL 433.895 433.653 433.828 433.853 -12.391 433.895 -11.424 433.907 -10.724 433.916 -10.224 433.892 EXISTING SURFACE LEVEL OFFSET

| OFFSET 525(7) 09 09 500 GREENHALGHS ROAD CH 273.00 | | | 4 | ' | 3 | 4 | 4 | |
|--|---------------|---------|---------|-------|----------|--------|----------------|--|
| | OFFSET | -12 352 | -11.460 | 07701 | - 10.400 | -8.960 | -3.032 | |
| DATUM R.L.432.0 | GREENHALGHS R | OAD | | | | | CH 273.00 | |
| | | | | 4 1- | in 2 | 0 | <u>1 in 30</u> | |
| | | | | | | | ~ | |

| | | 1: | • | 1 in 20 | 1 in 30 | | | |
|---------------------------|---------|---------|---------|------------------|---------|---------|---------|--|
| | | 47 24 | 1 in 8 | <u>– 1.in 20</u> | | | | |
| DATUM R.L.432.0 | | | | | | | | |
| DESIGN SURFACE LEVEL | 433.929 | 433.706 | 433.831 | 433.906 | 434.104 | 434.003 | 433.928 | |
| EXISTING SURFACE LEVEL | 433.929 | 433.940 | 433.939 | 433.864 | 433.986 | | 433.928 | |
| OFFSET | -12.352 | -11.460 | -10.460 | -8.960 | - 3.032 | 0.000 | 3.188 | |

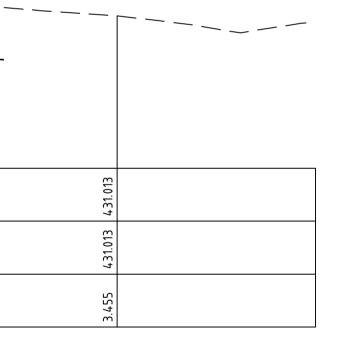
| DATUM R.L.432.0 | | | | | | | |
|---------------------------|---------|---------|---------|---------|---------|---------|--|
| DESIGN SURFACE LEVEL | 433.897 | 433.912 | 434.037 | 434.154 | 434.054 | 433.951 | |
| EXISTING SURFACE LEVEL | 433.897 | 433.885 | 433.932 | 434.017 | 434.054 | 433.951 | |
| OFFSET | -8.267 | -8.204 | -6.504 | -3.000 | 0000 | 3.248 | |
| GREENHALGHS ROAD | | | | СН | 283.32 | | |

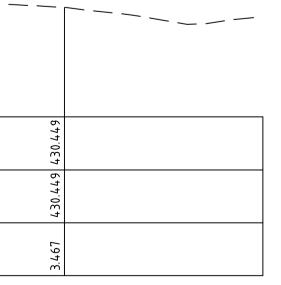
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|---------------------------|------|---------|------------|---------|---------|---------|------|
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| DATUM R.L.432.0 | r | | | | | | |
| DESIGN SURFACE LEVEL | | 433.884 | 433.693 | 433.943 | 434.018 | 434.135 | |
| EXISTING SURFACE LEVEL | | 433.884 | 433.868 | 433.847 | 433.857 | 433.984 | |
| OFFSET | | -9.763 | -9.000 | -8.000 | -6.500 | -3.000 | |
| GREENHALGHS R | ROAD | | | | | CH 29 | 0.79 |

1 in 4 \sim

CH 270.33





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| 433.922 | | | | | |
| 3.173 | | | | | |
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| | CONROY STAGE 7 ROAD AND I ROAD CROS CITY OF BAL SAN HUBER | D RAINAGI SS Sectic Larat | E DNS - SHEE | ET 1 | |
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| 434.035 | 433.920 | |
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| 434.035 | 433.920 | |
| 0.000 | 3.297 | |

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| | OFFSET |
| | GREENHALG |
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| | DATUM R.L.432.(|
| | DESIGN SURFACE LEVEL |
| | EXISTING SURFACE LEVEL |
| | OFFSET |
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| EXISTING SURFACE LEVEL | | 433.923 | 433.829 | 433.736 | 4 33.769 | | 433.922 | | 433.978 | | | 433.858 | | | |
|---------------------------|------|---------|---------|---------|----------|----|----------|-------|----------------------|---|-----|---------|-----|---|----|
| OFFSET | | -10.154 | -9.007 | -8.007 | -6.507 | | -3.007 | | 0.000 | | | 3.335 | | | |
| GREENHALGHS R | ROAD | | | | | Cł | 1 295.75 | | | | | | | | |
| | | | | | | | | Scale | | | | | | | |
| | | | | | | | | | ⊣ 1:100 SCALE @ A | 0 | 1 | 2 | 3 | 4 | 5 |
| | | | | | | | | | v 1:50 | 0 | 0.5 | 1 | 1.5 | 2 | 2. |
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433.961

GHS ROAD

| | | | n 4 | 1 in 20 | 1 in 3 | <u> </u> | | |
|---------------------------|---------|---------|---------|---------|---------|----------|---------|--|
| DATUM R.L.432.0 | | | | | | | | |
| DESIGN SURFACE LEVEL | 433.706 | 433.495 | 433.745 | 433.820 | 433.937 | 433.835 | 433.704 | |
| EXISTING SURFACE LEVEL | 433.706 | 433.652 | 433.539 | 433.588 | 433.768 | 433.835 | 433.704 | |
| OFFSET | - 9.899 | -9.059 | -8.059 | -6.559 | -3.059 | 0.000 | 3.431 | |
| GREENHALGHS R | ROAD | | | | CH 30 | 8.25 | | |

1 in 4 1 in 20

433.923

433.636

GREENHALGHS ROAD

| | | | in 4 | 1 in 20 | <u>1 in 30</u> | | | |
|---------------------------|--------------------|---------|---------|---------|----------------|----------|---------|--|
| DATUM R.L.432.0 | | | | | | | | |
| DESIGN SURFACE LEVEL | רוח גבח דוח גבח | 433.216 | 433.466 | 433.541 | 433.657 | 4 33.573 | 433.456 | |
| EXISTING SURFACE LEVEL | נוס גבס | 433.375 | 433.284 | 433.394 | 433.540 | 433.573 | 433.456 | |
| OFFSET | 975 B- | -8.529 | | -6.029 | -2.526 | 0.000 | 3.353 | |
| GREENHALGHS R | OAD | | | | CH 322 | .30 | | |

GREENHALGHS ROAD

| | | | | | | | _ | |
|---------------------------|---------|---------|---------|---------|---------|---------|---------|--|
| DATUM R.L.432.0 | | | | | | | | |
| DESIGN SURFACE LEVEL | 433.148 | 432.955 | 433.205 | 433.280 | 433.397 | 433.329 | 433.229 | |
| EXISTING SURFACE LEVEL | 433.148 | 433.025 | 433.032 | 433.140 | 433.311 | 433.329 | 433.229 | |
| OFFSET | -8.804 | -8.033 | -7.033 | -5.533 | -2.030 | 0.000 | 3.266 | |

1 in 4 1 in 20

GREENHALGHS ROAD

CH 340.79

CH 334.80

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| | L | | n 4 | 1 in 20 | <u>1 in 30</u> | | - | |
|--|---------|---------|---------|---------|----------------|---------|---------|--|
| DATUM R.L.431.0 DESIGN SURFACE LEVEL | 432.994 | 432.789 | 433.039 | 433.114 | 433.230 | 433.170 | 433.067 | |
| EXISTING SURFACE LEVEL | 432.994 | 432.856 | 432.911 | 433.016 | 433.153 | 433.170 | 433.067 | |
| OFFSET | -8.627 | -7.806 | -6.806 | -5.306 | -1.804 | 0.000 | 3.249 | |
| | | | | | | | | |

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Designed Checked S.WOOD **B.IBBS** Date Authorised 17/02/22 A.WILKIE



| | | 1 ir | 14 | 1 in 20 | <u>1 in 30</u> | | | |
|---------------------------|---------|---------|---------|---------|----------------|---------|---------|--|
| | | | | | | | | |
| DESIGN SURFACE LEVEL | 432.802 | 432.499 | 432.804 | 432.879 | 432.996 | 432.946 | 432.838 | |
| EXISTING SURFACE LEVEL | 432.802 | 432.667 | 432.749 | 432.851 | 432.931 | 432.946 | 432.838 | |
| OFFSET | -8.942 | -7.730 | -6.509 | -5.009 | -1.506 | 0.000 | 3.231 | |
| GREENHALGHS ROA | D | | | | CH 348.76 | | | |

GREENHALGHS ROAD

| | — — — — — — — — — — — — — — — — — — — | | | 1 in 20 | <u>1 in 30</u> | | | / |
|---------------------------|---------------------------------------|---------|---------|---------|----------------|---------|---------|---|
| DATUM R.L.431.0 | | | | | | | | |
| DESIGN SURFACE LEVEL | 432.443 | 432.009 | 432.393 | 432.468 | 432.585 | 432.552 | 432.435 | |
| EXISTING SURFACE LEVEL | 432.443 | 432.266 | 432.395 | 432.525 | 432.537 | 432.552 | 432.435 | |
| OFFSET | -9.367 | -7.632 | -5.986 | -4.486 | -0.984 | 0.000 | 3.200 | |

GREENHALGHS ROAD

| | — — — — — — — — — — — — — — — — — — — | | | <u>1 in 20</u> | <u>1 in 30</u> | | | ^ |
|---------------------------|---------------------------------------|---------|---------|----------------|----------------|---------|-------|---|
| DATUM R.L.431.0 | | | | | | | | |
| DESIGN SURFACE LEVEL | 432.443 | 432.009 | 432.393 | 432.468 | 432.585 | 432.552 | 32. | |
| EXISTING SURFACE LEVEL | 432.443 | 432.266 | 432.395 | 432.525 | 432.537 | 432.552 | 32.43 | |
| OFFSET | -9.367 | -7.632 | -5.986 | -4.486 | - 0.984 | 0.000 | | |

GREENHALGHS ROAD

/

| GREENHALGHS ROAD | | | | | 85.00 | | | |
|---------------------------|---------|---------|---------|---------|-----------|---------|-------------|---|
| | | | | 1 in 20 | 1 in 40 1 | in 3 | 30 <u> </u> | |
| | | 1/17 4 | 1 in 6 | | | | | / |
| | | | | | | | - | |
| DATUM R.L.431.0 | | | | | | | | |
| DESIGN SURFACE LEVEL | 432.027 | 431.803 | 432.125 | 432.200 | 432.287 | 432.270 | 432.179 | |
| EXISTING SURFACE LEVEL | 432.027 | 431.924 | 432.120 | 432.231 | 432.261 | 432.270 | 432.179 | |
| OFFSET | -8.453 | -7.558 | -5.513 | -4.013 | -0.511 | 0.000 | 3.234 | |

CH 375.27

CH 362.76

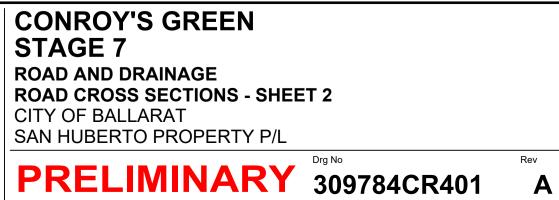
CH 362.76

| _ | | 1 in 10.2 | a: Prop.GRAVEL | LINEMARKING Prop. UINEMARKING 7 iu 28.6 | Excl | E × E O B | |
|---------------------------|----------------|-----------|----------------|--|---------|-----------|--|
| DATUM R.L.430.0 | 2 | 5 | 12 | ż2 | | <u>م</u> | |
| DESIGN SURFACE LEVEL | 431.692 | 431.927 | 432.002 | 432.062 | 432.057 | 431.989 | |
| EXISTING SURFACE LEVEL | 431.692 | 431.900 | 432.001 | 432.055 | 432.057 | 431.989 | |
| OFFSET | <i>-</i> 7.536 | -5.145 | -3.645 | -0.142 | 0.000 | 3.265 | |
| GREENHALGHS RO | ΔΠ | | | CH 385.00 | | | |

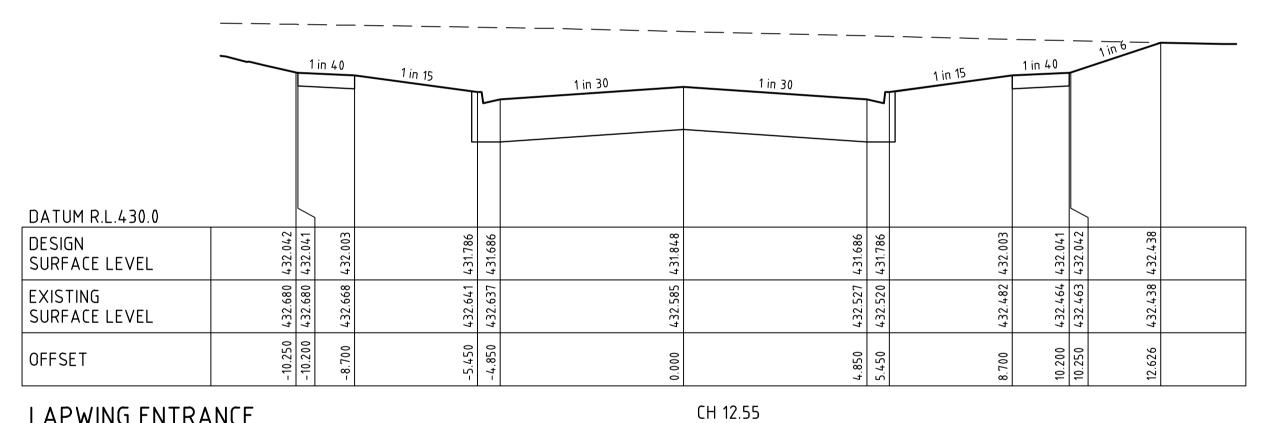
FILLING NOTE

ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS.

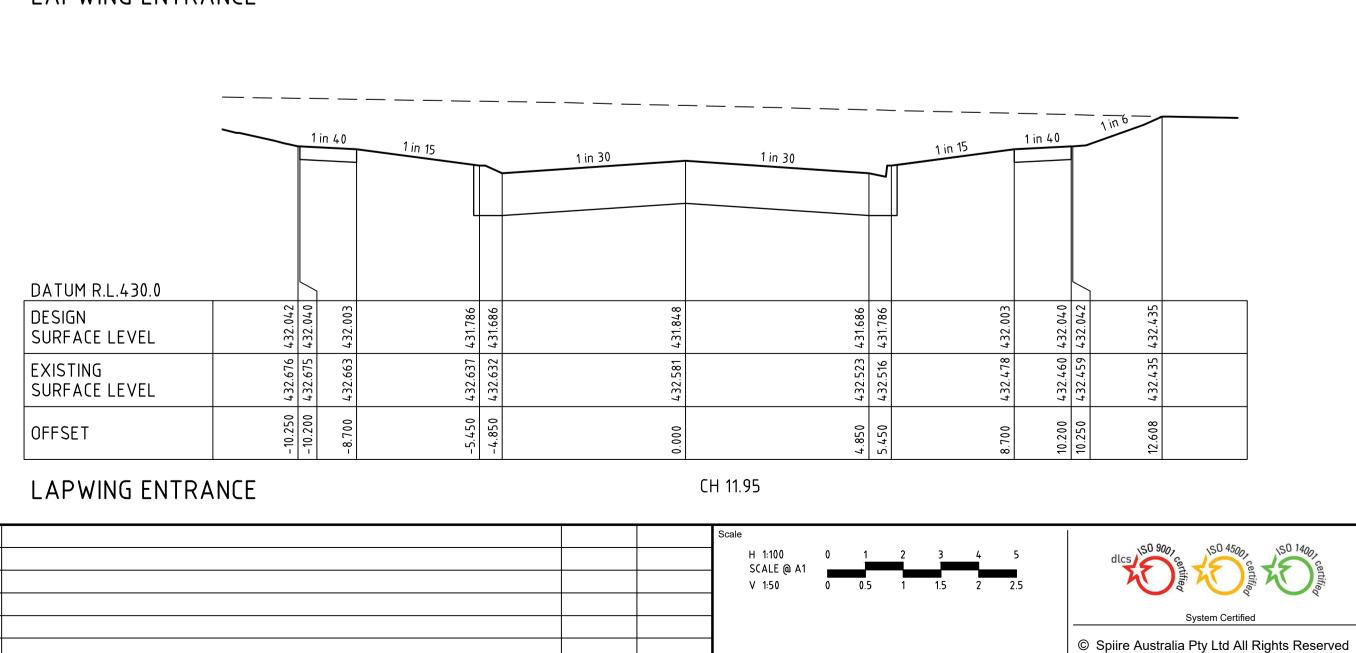




| (| | BL | | | | | 20.5m (ROA | D RESERVE) | | | | | BL |
|---------------------------|----------|---------|---------|---------|---------|---------|--------------|--------------|---------|---------|---------|---------|------------------|
| 5 | 0.05m | 1.5 | m | 3.25m | | 2.25m | 3.05m | 3.05m | 2.25m | | 3.25m | 1.5m | |
| <pre>}</pre> | | F00TP | PATH - | B2 0.6m | | PARKING | TRAFFIC LANE | TRAFFIC LANE | | i | B2 0.6m | FOOTPA | TH |
| <pre></pre> | | 1 in | 40 | 1 in 15 | ľ | | 1 in 30 | 1 in 30 | | | 1 in 15 | 1 in 4(|) |
| (| ~ | | | | | ~ | ~~~ | ~ | | | | | |
| DATUM R.L.430.0 | | | | | | | | | | | | | |
| DESIGN SURFACE LEVEL | 311 061 | 432.144 | 432.106 | 431.890 | 431.790 | | 431.951 | | 431.790 | 431.890 | | 432.106 | 432.144 |
| EXISTING SURFACE LEVEL | T18 CC.1 | 432.816 | 432.789 | 432.730 | 432.718 | | 432.651 | | 432.595 | | | 432.59 | 432.532 |
| OFFSET | 10 250 | -10.200 | -8.700 | -5.450 | -4.850 | | 000.0 | | 4.850 | 5.450 | | | 10.200 10.250 |
| LAPWING ENTR | ANCE | | • | | | | | CH 20.00 | | | | | |







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AW

Approved

12/04/22

17/02/22

Date

B LAPWING AMENDED A PRELIMINARY ISSUE Rev Amendments



spire Checked Designed S.WOOD **B.IBBS** Authorised Date 17/02/22 A.WILKIE ABN 55 050 029 635

LAPWING ENTRANCE

| | | 1 in | 40 | 1 in 15 | | 1 in 30 | 1 in 30 | | | _ |
|---------------------------|---------|---------|---------|----------|---------|---------|----------|---------|---------|---|
| DATUM R.L.430.0 DESIGN | 191 | 190 | 152 | 936 | 836 | L66 | | 836 | 936 | |
| SURFACE LEVEL | 432.191 | 432.190 | 432.152 | 4.31.936 | 431.836 | | | | 431.936 | |
| EXISTING SURFACE LEVEL | 432.879 | 432.878 | 432.849 | 432.787 | 432.776 | 432.694 | | 432.638 | 432.631 | |
| OFFSET | -10.250 | -10.200 | -8.700 | -5.450 | -4.850 | 0.000 | | 4.850 | 5.450 | |
| LAPWING ENTRA | NCE | | | | | | CH 22.13 | | | |

433.094 432.434 433.093 432.433 432.985 432.265 432.971 432.165 DESIGN SURFACE LEVEL EXISTING SURFACE LEVEL -5.450 -4.850 10.250 OFFSET

| | |
|------|------|

1 in 25

1 in 40

CH 40.00

CH 34.63

1 in 30

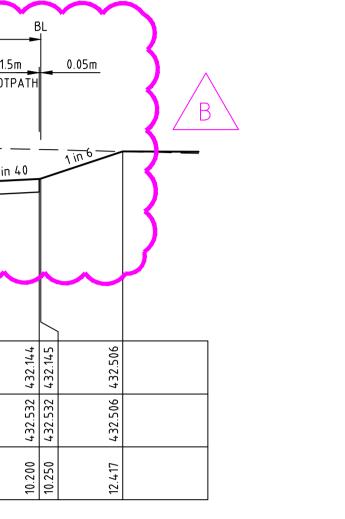
.165 .265

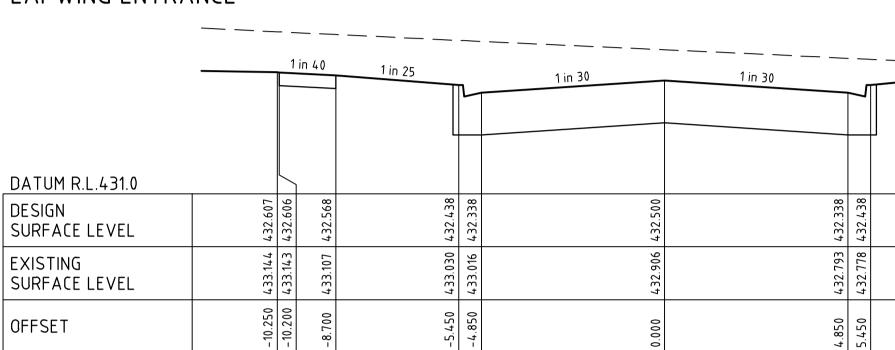
432. 432.

432.740 432.725

4.850 5.450

1 in 30



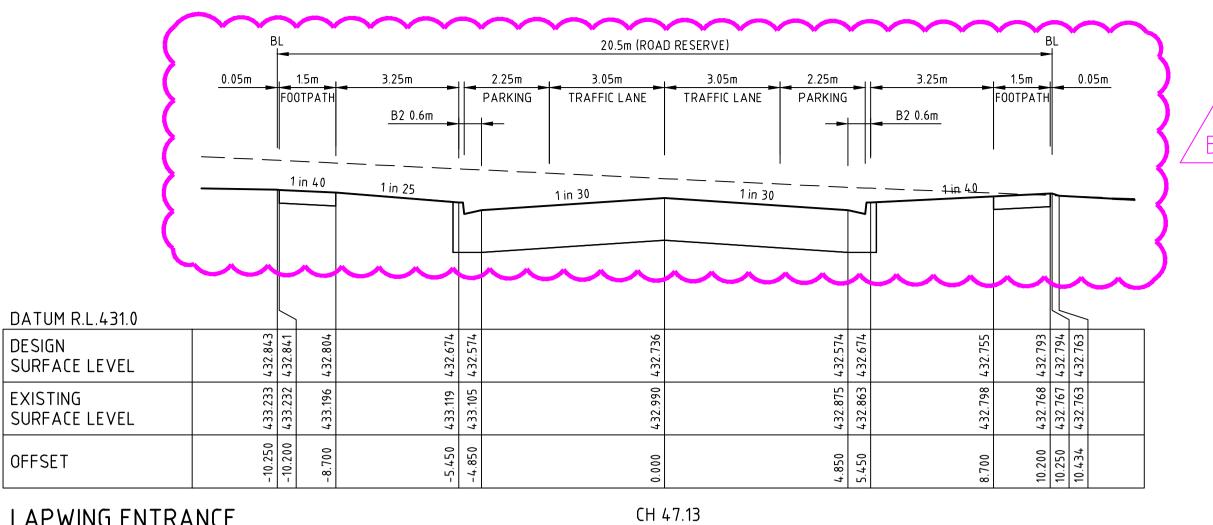


LAPWING ENTRANCE

LAPWING ENTRANCE

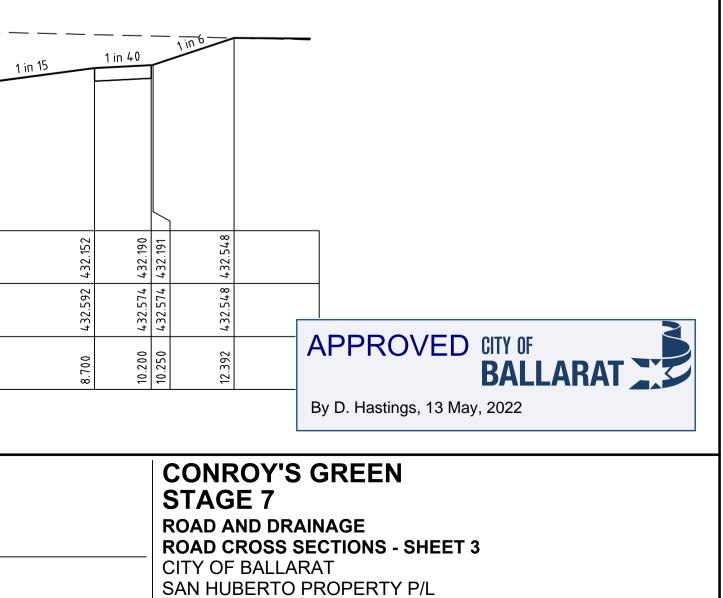
DATUM R.L.431.0

LAPWING ENTRANCE



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| | | | | | | |
| | | | | Ц | \geq | 1 |
| | 432.597 | | 432.634 | 432.636 | 432.673 | |
| | 432.704 432.597 | | 432.676 432.634 | 432.676 | 432.673 | |
| | 8.700 | | 10.200 | 10.250 | 10.472 | |

| 1 in 15 | | 1 in 40 | 110 | 6 | |
|---------|---------|-----------------|-----------------|---------|--|
| | | | | | |
| | | | | | |
| | +82 | 519 | 521 / | 537 | |
| | 432.482 | 432.5 | 432.5 | 432.637 | |
| | 432.663 | 432.646 432.519 | 432.645 432.521 | 432.637 | |
| | 8.700 | 10.200 | 10.250 | 10.951 | |



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| | | | Scale | | | | | | | |
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| | | | SCALE@0.A1 V 1:50 | 0 | 0.5 | 1 | 1.5 | 2 | 2.5 | |
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| | | 1 in 40 | 1 in 15 | | 1 in 30 | | | 1 in 40 | |
|---------------------------|---------|--------------------|---------|---------|---------|---------|---------|---------|---------|
| | | | | | | | | | |
| | | | | | | | | | |
| DATUM R.L.431.0 | L | \mathbf{i} | | | | | | | |
| DESIGN SURFACE LEVEL | 433.228 | 433.226 433.189 | 432.972 | 432.872 | 433.034 | 432.872 | 432.972 | 433.053 | 433.091 |
| EXISTING SURFACE LEVEL | 433.417 | 433.417 433.392 | 433.317 | 433.296 | 433.080 | 432.997 | 432.983 | 432.918 | 432.889 |
| OFFSET | -10.250 | -10.200 -8.700 | -5.450 | -4.850 | 0.000 | 4.850 | 5.450 | 8.700 | 10.200 |

LAPWING ENTRANCE

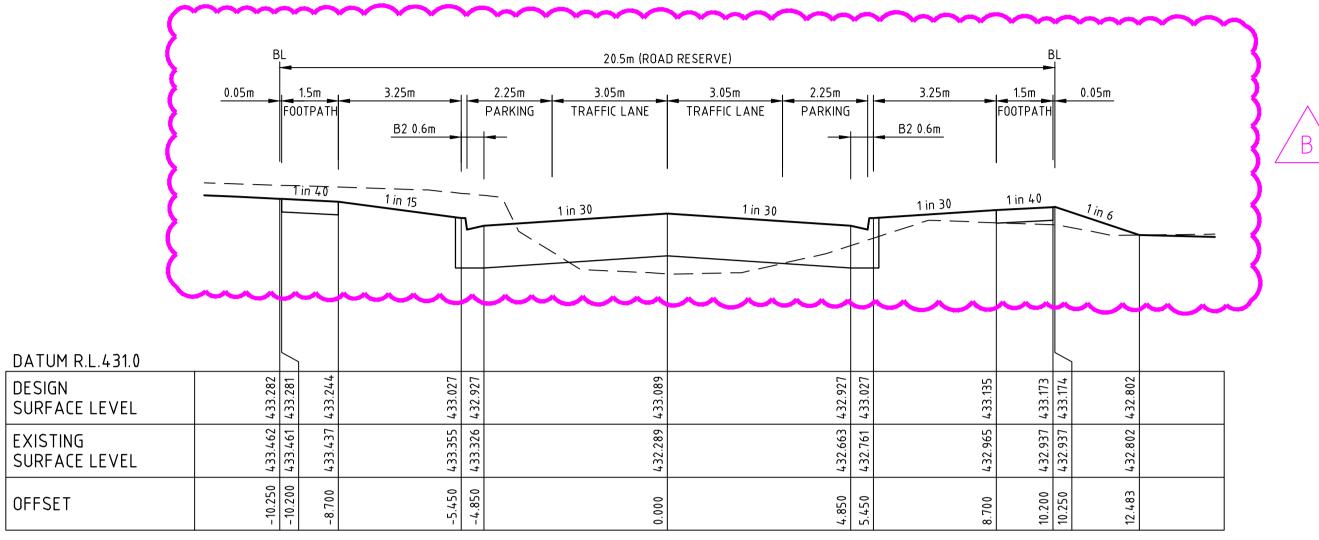
CH 60.00

CH 59.63

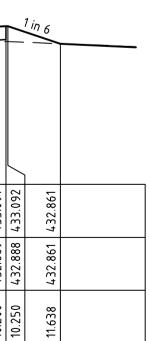
| | | 1 in 4 | ∓0 —— | 1 in 15 | | 1 in 30 | 1 in 30 | | 1 in 38.7 | 1 in 4(|) |
|---------------------------|---------|---------|----------|---------|---------|---------|---------|---------|-----------|---------|--------------------|
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| DATUM R.L.431.0 | | | | | | | | | | | |
| DESIGN SURFACE LEVEL | 433.234 | 433.232 | 433.195 | 432.978 | 432.878 | 433.040 | 432.878 | 432.978 | 433.062 | | 433.100 |
| EXISTING SURFACE LEVEL | 433.421 | 433.421 | 433.396 | 433.327 | 433.306 | 432.989 | 433.000 | 432.985 | 432.921 | | 432.892 432.891 |
| OFFSET | -10.250 | -10.200 | -8.700 | -5.450 | -4.850 | | 4.850 | 5.450 | 8.700 | | 10.200 10.250 |

LAPWING ENTRANCE

CH 63.44









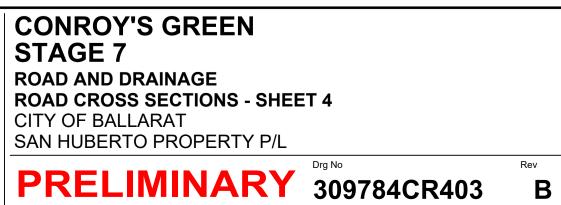
This document is produced by Spiire Australia Pty Ltd solely for the penefit of and use by the client in accordance with the terms of the etainer. Spiire Australia Pty Ltd does not and shall not assume any esponsibility or liability whatsoever to any third party arising out of y use or reliance by third party on the content of this document.



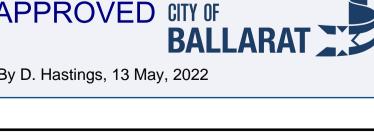
16 BRIDGE STREET BENDIGO VICTORIA 3550 AUSTRALIA T 61 3 5448 2500 ABN 55 050 029 635 spiire.com.au

Designed S.WOOD Authorised A.WILKIE

Checked B.IBBS Date 17/02/22



By D. Hastings, 13 May, 2022



| | | | | Scale | | | | | | | |
|-----|-------------------|----------|----------|----------------------|---|----------|---|-----|---|-----|--------|
| | | | | H 1:100 | 0 | 1 | 2 | 3 | 4 | 5 | |
| | | | | SCALE @ A1 V 1:50 | 0 | 1 0.5 | 1 | 1.5 | 2 | 2.5 | |
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BUTCHERBIRD PARADE

1 in 15 1 in 40 1 in 30 1 in 30 DATUM R.L.430.0 431.938 431.937 DESIGN 812 712 812 SURFACE LEVEL 431.4 431.431. 432.362 4 432.365 4 432.311 432.311 432.326 432.327 EXISTING SURFACE LEVEL 32 -9.000 1 -3.950 -3.350 OFFSET 3.350 3.950

BUTCHERBIRD PARADE

| | | | | 1 in 40 | | 1 in 30 | 1 in 30 | | 1 in 15 | 1 in 40 | 111 | .0 | |
|---------------------------|---------|---------|---------|---------|---------|---------|-----------|---------|---------|---------|----------|---------|--|
| DATUM R.L.430.0 | | | | | | | | | | | | | |
| DESIGN SURFACE LEVEL | 431.968 | 431.967 | 431.929 | 431.842 | 431742 | 431./42 | 431.742 | 431.842 | 432.075 | 432.112 | 4 32.114 | 432.421 | |
| EXISTING SURFACE LEVEL | 432.330 | 432.330 | 432.335 | 432.345 | L75 657 | 432.347 | 432.382 | 432.385 | 432.403 | 432.411 | 432.411 | 432.421 | |
| OFFSET | 000.6- | -8.950 | -7.450 | -3.950 | -3 350 | 0000.0 | 3.350 | 3.950 | 7.450 | 8.950 | 000.6 | 10.842 | |
| BUTCHERBIRD P | ARADE | | | | | (| CH 464.44 | | | | | | |

BUTCHERBIRD PARADE

CH 491.33

CH 462.48

| | | | | 1 in 40 | L _ | 1 in 30 | 1 in 30 | | 1 in 40 | | | |
|---------------------------|---------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| DATUM R.L.431.0 | | <u> </u> | | | | | | | | | | |
| DESIGN SURFACE LEVEL | 432.371 | 432.370 | 432.333 | 432.245 | 432.145 | 432.257 | 432.145 | 432.245 | 432.333 | 432.370 | 432.371 | |
| EXISTING SURFACE LEVEL | 432.552 | 432.553 | 432.559 | 432.574 | 432.576 | 432.606 | 432.635 | 432.640 | 432.669 | 432.680 | 432.680 | |
| OFFSET | 000.6- | -8.950 | -7.450 | -3.950 | -3.350 | 0.000 | 3.350 | 3.950 | 7.450 | 8.950 | 9.000 | |

BUTCHERBIRD PARADE

CH 499.96

18m (ROAD RESERVE)

| | 0.05m | 1.5m | 3.5m | 4 | 3.35m | 3.35m | 4 | 3 .5r |
|---------------------------|---------|--------------------|----------------|---------|---------|---------|---------|--------------|
| | | FOOTPATH | <u>B2 0.6m</u> | | - | | | B2 0.6m |
| | | | | | 1 in 30 | 1 in 30 | | |
| DATUM R.L.431.0 | | | | | | | | |
| DESIGN SURFACE LEVEL | 432.501 | 432.499 432.462 | 432.374 | 432.274 | 432.386 | 432.274 | 432.374 | |
| EXISTING SURFACE LEVEL | 432.613 | 432.613 432.619 | 432.634 | 432.637 | 432.666 | 432.696 | 432.701 | |
| OFFSET | - 9.000 | -8.950 -7.450 | - 3.950 | -3.350 | 0.000 | 3.350 | 3.950 | |
| | | | | | | | | |



- 1m

432.083 432.084

432.391 432.392

8.950 9.000

432.046

432.384

7.450

432.402

432.402

10.903

1 in 40

spire 16 BRIDGE STREET BENDIGO VICTORIA 3550 AUSTRALIA T 61 3 5448 2500

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Designed S.WOOD Authorised A.WILKIE ABN 55 050 029 635

Checked **B.IBBS** Date 17/02/22

CH 500.00



| | | | | 1 in 40 | | 1 in 30 | 1 in 30 | | — Т |
|---------------------------|----------|---------|---------|---------|---------|---------|---------|---------|--------|
| | | | | | | | | | |
| DATUM R.L.431.0 | | | | | | | | | |
| DESIGN SURFACE LEVEL | 4 32.501 | 432.500 | 432.463 | 432.375 | 432.275 | 432.387 | 432.275 | 432.375 | |
| EXISTING SURFACE LEVEL | 432.613 | 432.613 | 432.620 | 432.635 | 432.638 | 432.667 | 432.696 | 432.701 | |
| OFFSET | 0000- | -8.950 | -7.450 | -3.950 | -3.350 | 0.000 | 3.350 | 3.950 | |

BUICHERBIRD PARADE

| | | | 1 in 40 | Γ | — — † in 3 0 — — | † in 30 | | 1 -in 4 0 | | | |
|---------------------------|--------------------|---------|---------|---------|--|---------|---------|----------------------|---------|---------|---|
| DATUM R.L.431.0 | | | | | | | | Ŭ | | | 1 |
| DESIGN SURFACE LEVEL | 432.690 | 432.652 | 432.564 | 432.464 | 432.576 | 432.464 | 432.564 | 432.652 | 432.689 | 432.690 | |
| EXISTING SURFACE LEVEL | 432.593 432.593 | 432.603 | 432.626 | 432.630 | 432.677 | 432.726 | 432.731 | 432.750 | 432.759 | 432.759 | |
| OFFSET | -9.000 | -7.450 | -3.950 | -3.350 | 0.000 | 3.350 | 3.950 | 7.450 | 8.950 | 9.000 | |
| BUTCHERBIRD P | ARADE | | | | CH 5 | 13.96 | | | | | |

BUTCHERBIRD PARADE

CH 519.13

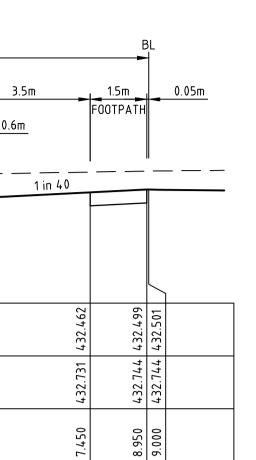
| DATUM R.L.431.0 | | \rightarrow | | | | | | | L |
|---------------------------|---------|---------------|---------|---------|---------|----------|---------|---------|---|
| DESIGN SURFACE LEVEL | 432.735 | 432.734 | 432.696 | 432.609 | 432.509 | 432.621 | 432.509 | 432.609 | |
| EXISTING SURFACE LEVEL | 432.551 | 432.551 | 432.566 | 432.589 | 432.593 | 4.32.638 | 432.687 | 432.696 | |
| OFFSET | -9.000 | -8.950 | -7.450 | -3.950 | -3.350 | 0.000 | 3.350 | 3.950 | |

1 in 40

CH 529.96

| | | | | 1 in 40 | _ | 1 in 30 | 1 in 30 | _ | |
|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---|
| | | | | | | | | | |
| | | | | L | | | | | μ |
| DATUM R.L.431.0 | | | | | | | | | |
| DESIGN SURFACE LEVEL | 432.778 | 432.777 | 432.739 | 432.652 | 432.552 | 432.663 | 432.552 | 432.652 | |
| EXISTING SURFACE LEVEL | 432.477 | 432.477 | 432.493 | 432.531 | 432.538 | 432.557 | 432.592 | 432.601 | |
| OFFSET | 000.6- | -8.950 | -7.450 | -3.950 | -3.350 | 0.000 | 3.350 | 3.950 | |

BUTCHERBIRD PARADE



| 432. | 432. | | | | |
|---------|-------|---------|--|---|--|
| 8.950 | 0.000 | | | | |
| 1 in 40 | | 1 111 6 | | - | |

BUTCHERBIRD PARADE

<u>1 in 30 _____ 1in 30 ____</u>

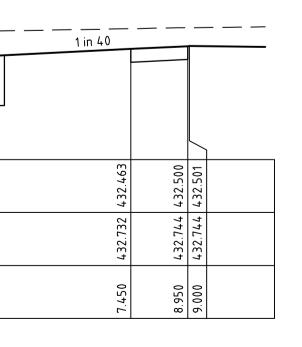
CH 531.63

| | | | | 1 in 40 | _ | 1 in 30 | 1 in 30 | _ | |
|---------------------------|---------|---------|---------|---------|---------|----------|---------|---------|--|
| | | | | | | | | | |
| DATUM R.L.431.0 | | | | | | | | | |
| DESIGN SURFACE LEVEL | 432.779 | 432.777 | 432.740 | 432.652 | 432.552 | 432.664 | 432.552 | 432.652 | |
| EXISTING SURFACE LEVEL | 432.478 | 432.478 | 432.488 | 432.526 | 432.532 | 4.32.551 | 432.577 | 432.585 | |
| OFFSET | 000.6- | -8.950 | -7.450 | -3.950 | -3.350 | 0.000 | 3.350 | 3.950 | |

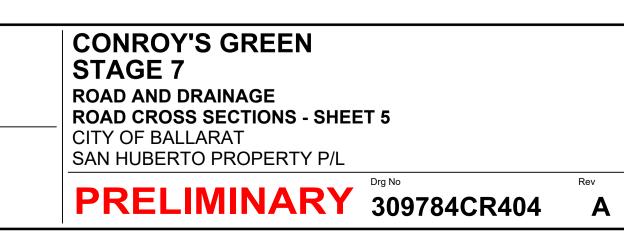
| 1 in 40 | | | _ |
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| | | \square | |
| 432.740 | 432.777 | 432.779 | |
| 432.639 432.740 | 432.672 432.777 | 432.674 | |
| 7.450 | 8.950 | 9.000 | |
| | | | |

| 1 in 40 | | | |
|------------------|-----------------|-----------------|--|
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| 6 | | 8 | |
| 2.73. | 2.77 | 2.77 | |
| 432 | 432 | 432 | |
| 551 | 585 | 586 | |
| 432.651 432.739 | 432.685 432.777 | 432.686 432.778 | |
| 7 | 7 | 7 | |
| 7.450 | 8.950 | 9.000 | |
| 4 [.] L | 8.9 | 9.6 | |

| 432 | |
|---|--|
| 432.747 432.696 432.764 432.734 432.764 432.735 | |
| 432 | |
| 7.450 8.950 9.000 | |
| 8.9 | |



By D. Hastings, 13 May, 2022



| | | | | Scale | | | | | | | | |
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| | | | | | H 1:100 SCALE @ A1 | 0 | 1 | 2 | 3 | 4 | 5 | |
| | | | | | V 1:50 | 0 | 0.5 | 1 | 1.5 | 2 | 2.5 | |
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| Rev | Amendments | Approved | Date | | | | | | | | | ar |
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BUTCHERBIRD PARADE

CH 544.13

| | | | | 1 in 40 | ₽ | 1 in 30 | 1 in 30 | | 1 in 40 |
|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| DATUM R.L.431.0 | | | | L | | | | | |
| DESIGN SURFACE LEVEL | 432.731 | 432.730 | 432.692 | 432.605 | 432.505 | 432.616 | 432.505 | 432.605 | 432.692 |
| EXISTING SURFACE LEVEL | 432.471 | 432.471 | 432.473 | 432.474 | 432.475 | 432.477 | 432.484 | 432.486 | 432,495 |
| OFFSET | - 9.000 | -8.950 | -7.450 | -3.950 | -3.350 | 0.000 | 3.350 | 3.950 | 7.450 |

BUTCHERBIRD PARADE

CH 545.96

| | | | 1 in 40 | | 1 in 30 | 1 in 30 | | 1 in 40 |
|---------------------------|---------|--------------------|-------------|---------|---------|---------|---------|---------|
| DATUM R.L.431.0 | | | | | | | | |
| DESIGN SURFACE LEVEL | 432.716 | 432.715 432.678 | 432.590 | 432.490 | 432.602 | 432.490 | 432.590 | 432.678 |
| EXISTING SURFACE LEVEL | 432.458 | 432.458 | 4 | 432.460 | 432.462 | 432.466 | 432.468 | 432.476 |
| OFFSET | -9.000 | -8.950 -7.450 | 6 | -3.350 | 0.00.0 | 3.350 | 3.950 | 7.450 |

BUILTERBIRD PARADE

| | | | 1 in 40 | n | 1 in 30 | 1 in 30 | r | 1 in 40 | | | |
|---------------------------|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| | | | | | | | | | | | |
| DATUM R.L.431.0 | | 1 | | | | | | | | | |
| DESIGN SURFACE LEVEL | 4.32.615 4.32.614 | 432.576 | 432.489 | 432.389 | 432.500 | 432.389 | 432.489 | 432.576 | 432.614 | 432.615 | |
| EXISTING SURFACE LEVEL | 432.366 432.366 | 432.361 | 432.362 | 432.362 | 432.364 | 432.367 | 432.369 | 432.383 | 432.389 | 432.389 | |
| OFFSET | -9.000 -8.950 | -7.450 | -3.950 | -3.350 | 0.00 | 3.350 | 3.950 | 7.450 | 8.950 | 9.000 | |
| | ARADE | | | | СН 5 | 58.13 | | | | | |

BUTCHERBIRD PARADE

CH 561.96

| | | | 1 in 40 | _ | 1 in 30 | 1 in 30 | | 1 in 40 | | | |
|---------------------------|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| | | | | | | | | | | | |
| DATUM R.L.431.0 | | | L | | | | | Ť | | | |
| DESIGN SURFACE LEVEL | 432.583 | 432.544 | 432.457 | 432.357 | 432.468 | 432.357 | 432.457 | 432.544 | 432.582 | 432.583 | |
| EXISTING SURFACE LEVEL | 432.352 432.352 | 432.347 | 432.337 | 432.335 | 432.336 | 645.349 | 432.352 | 432.366 | 432.372 | 432.372 | |
| OFFSET | -9.000 -8.950 | -7.450 | -3.950 | -3.350 | 0.000 | 3.350 | 3.950 | 7.450 | 8.950 | 9.000 | |
| | | | | | | (4.0) | | | | | |

BUTCHERBIRD PARADE

CH 570.63

| | | | 1 in 40 | - | 1 in 30 | 1 in 30 | - | 1 in 40 | | | |
|---------------------------|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|--------------|---|
| | | | | 4 | | | | | | | |
| | | | L | | | | | | | | |
| DATUM R.L.431.0 | | ı | | | | | | | | \mathbb{N} | 1 |
| DESIGN SURFACE LEVEL | 432.511 432.509 | 432.472 | 432.384 | 432.284 | 432.396 | 432.284 | 432.384 | 432.472 | 432.509 | 432.511 | |
| EXISTING SURFACE LEVEL | 432.319 432.319 | 432.319 | 432.322 | 432.322 | 432.325 | 432.328 | 432.329 | 32. | 432.333 | 432.333 | |
| OFFSET | -9.000 -8.950 | -7.450 | -3.950 | -3.350 | 0.000 | 3.350 | 3.950 | | 8.950 | 9.000 | |

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432.494 432.715 432.495 432.716

8.950 9.000

432.521 432.730 432.522 432.731

8.950 9.000

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Designed Authorised ABN 55 050 029 635

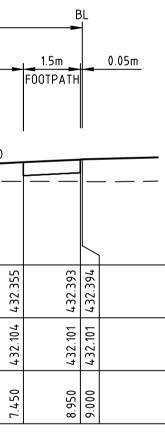
Checked B.IBBS Date 17/02/22

BUTCHERBIRD PARADE

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| BUTCHERBIRD P | ARADE | | | | CH 58 | 34.63 | | |
|---------------------------|--------------------|---------|---------|---------|---------|---------|---------|---------|
| | | | 1 in 40 | _ | 1 in 30 | 1 in 30 | _ | 1 in 40 |
| | | | | 1- | | | Ļ | |
| | | | L | | | | | |
| DATUM R.L.431.0 | | ן ו | | | | | | |
| DESIGN SURFACE LEVEL | 432.450 432.448 | 432.411 | 432.323 | 432.223 | 432.335 | 432.223 | 432.323 | 432.411 |
| EXISTING SURFACE LEVEL | 432.275 432.275 | 432.270 | 432.258 | 432.256 | 432.245 | 432.234 | 432.232 | 432.220 |
| OFFSET | -9.000 -8.950 | -7.450 | -3.950 | -3.350 | 0.000 | 3.350 | 3.950 | 7.450 |
| BUTCHERBIRD P | ARADE | · · · | | | CH 5' | 77.96 | | |

| | BL - | | | | 18m (ROAD | RESERVE) | | | |
|---------------------------|-----------------------|-----------|---------|----------|-----------|----------|---------|---------|-------|
| | | 1.5m | 3.5m | + + | 3.35m | 3.35m | 4 | 3.5m | 1.5 |
| | FO | ΟΤΡΑΤΗ | B2 0.6m | | - | | | B2 0.6m | FOOTF |
| | | | 1 in 40 | ' n | 1 in 30 | 1 in 30 | | 1 in 40 | |
| | | | | | | | | + | |
| DATUM R.L.431.0 | | | L | | | | | | |
| DESIGN SURFACE LEVEL | 432.394 432.393 | 432.355 | 432.268 | 432.168 | 432.279 | 4 32.168 | 432.268 | 432.355 | |
| EXISTING SURFACE LEVEL | 432.193 432.192 | 432.178 | 432.145 | 432.140 | 432.127 | 432.116 | 432.114 | 432.104 | |
| OFFSET | -9.000 -8.950 | -7.450 | -3.950 | -3.350 | 0.000 | 3.350 | 3.950 | 7.450 | |
| | | · · · · · | | | | | | | |



432.216 432.448 432.216 432.450

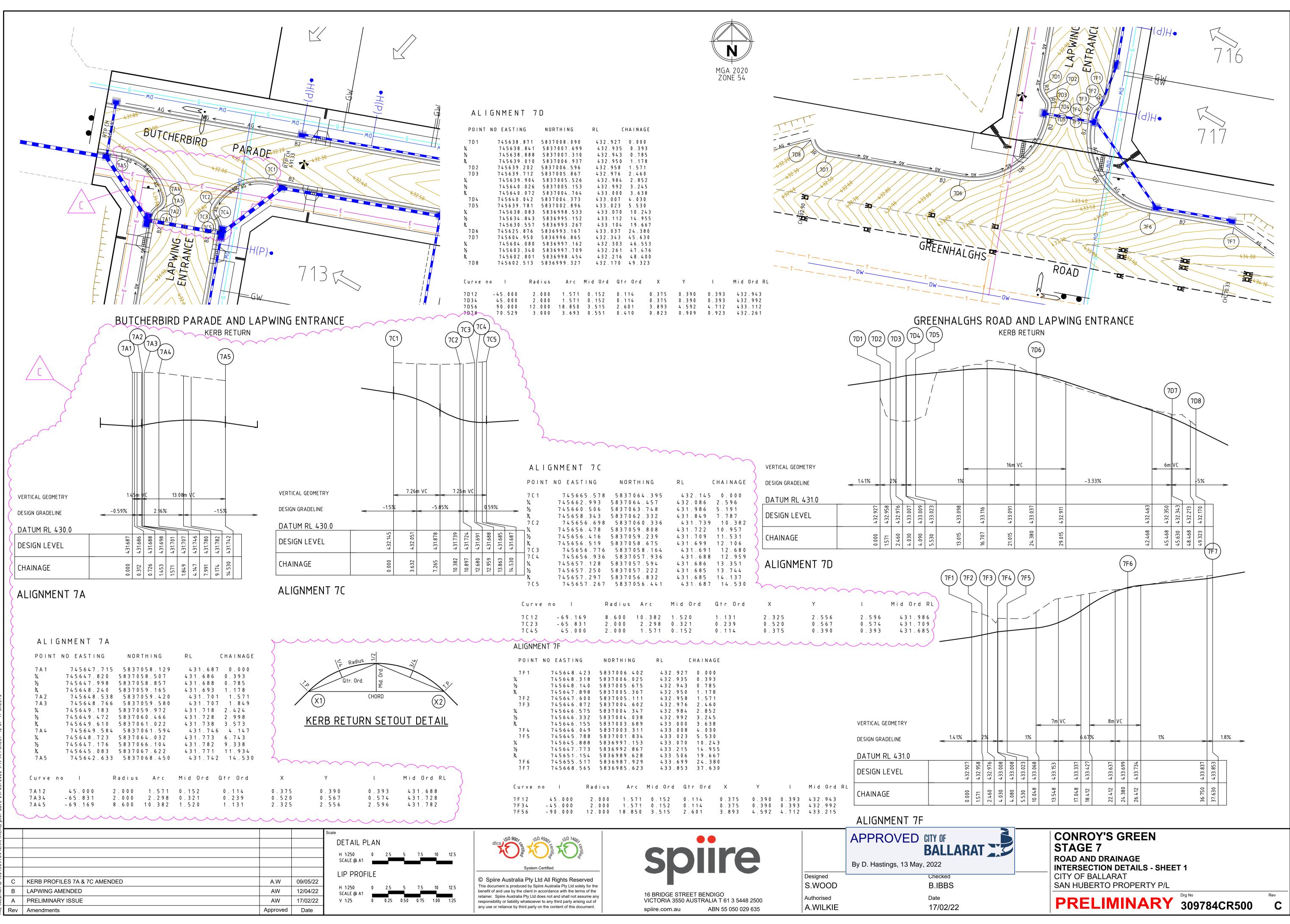
8.950 9.000





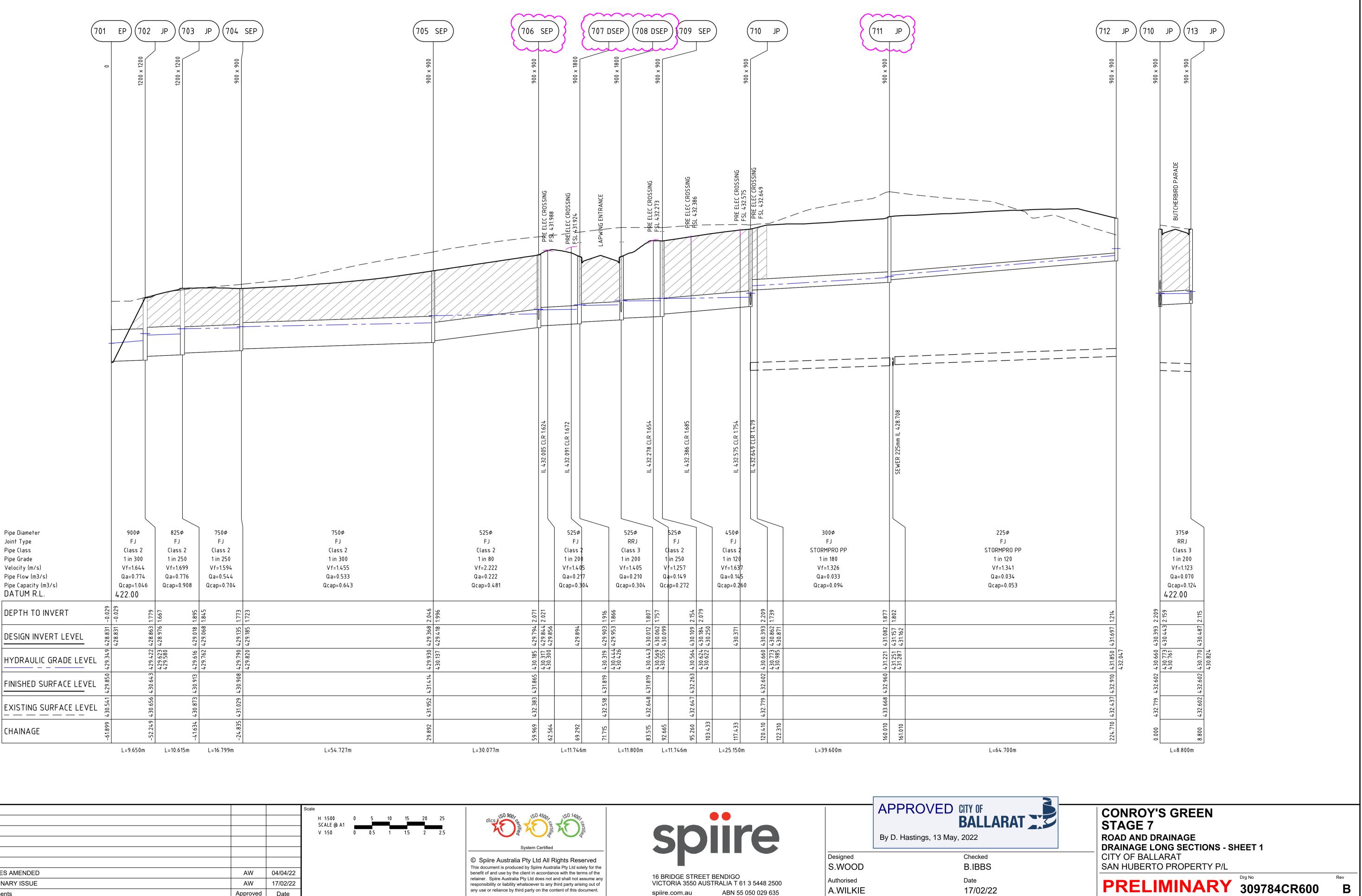
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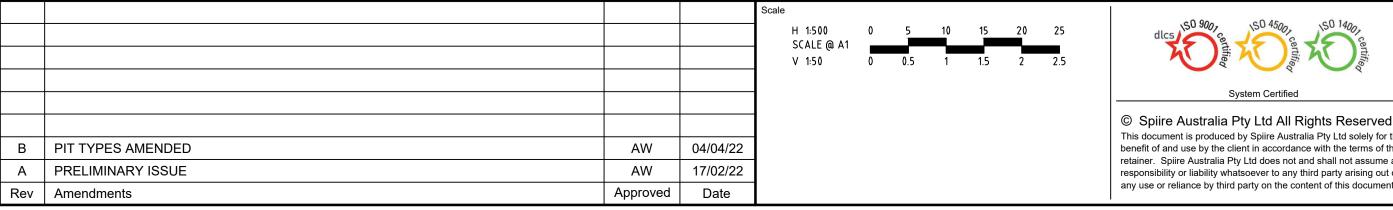
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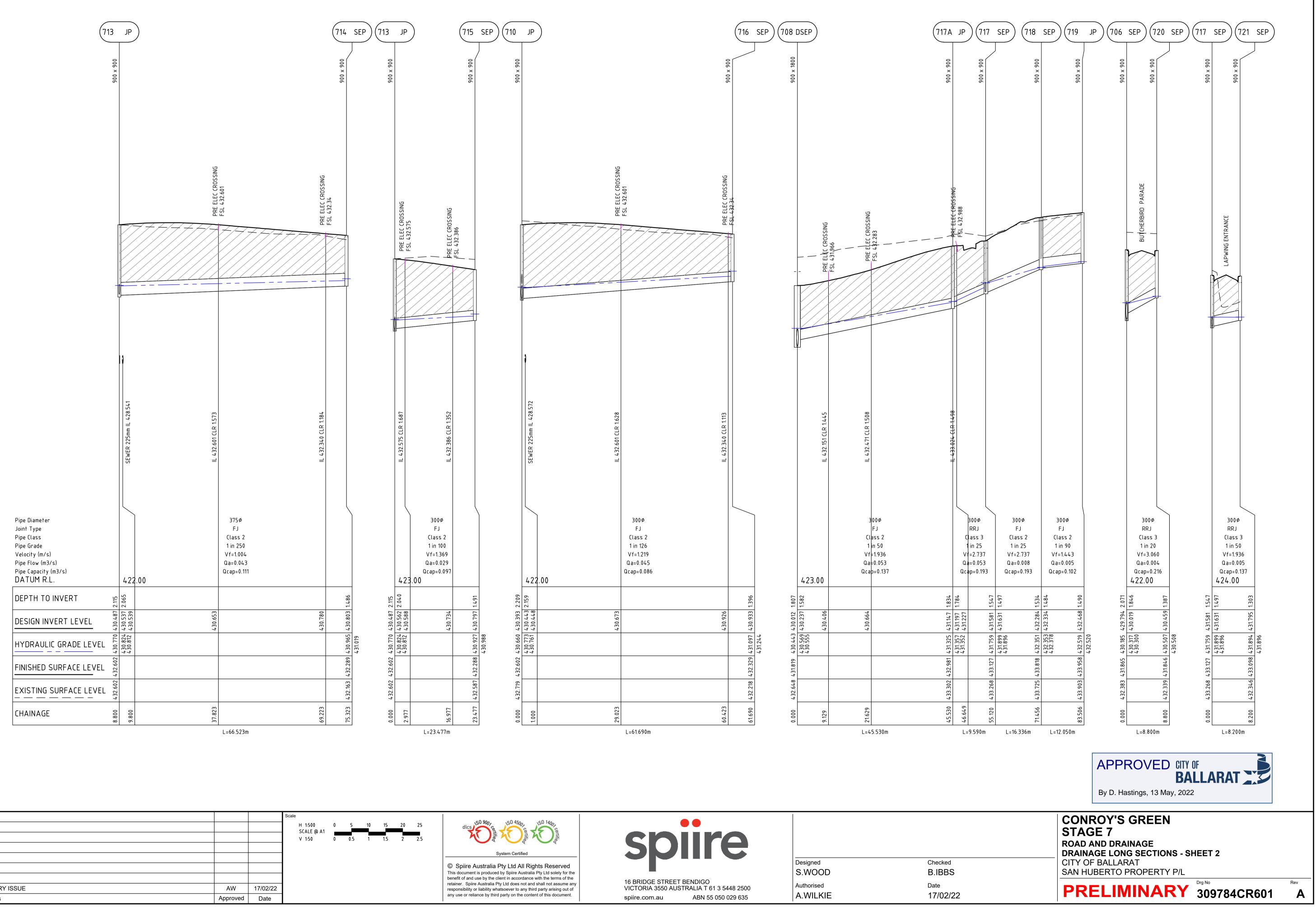




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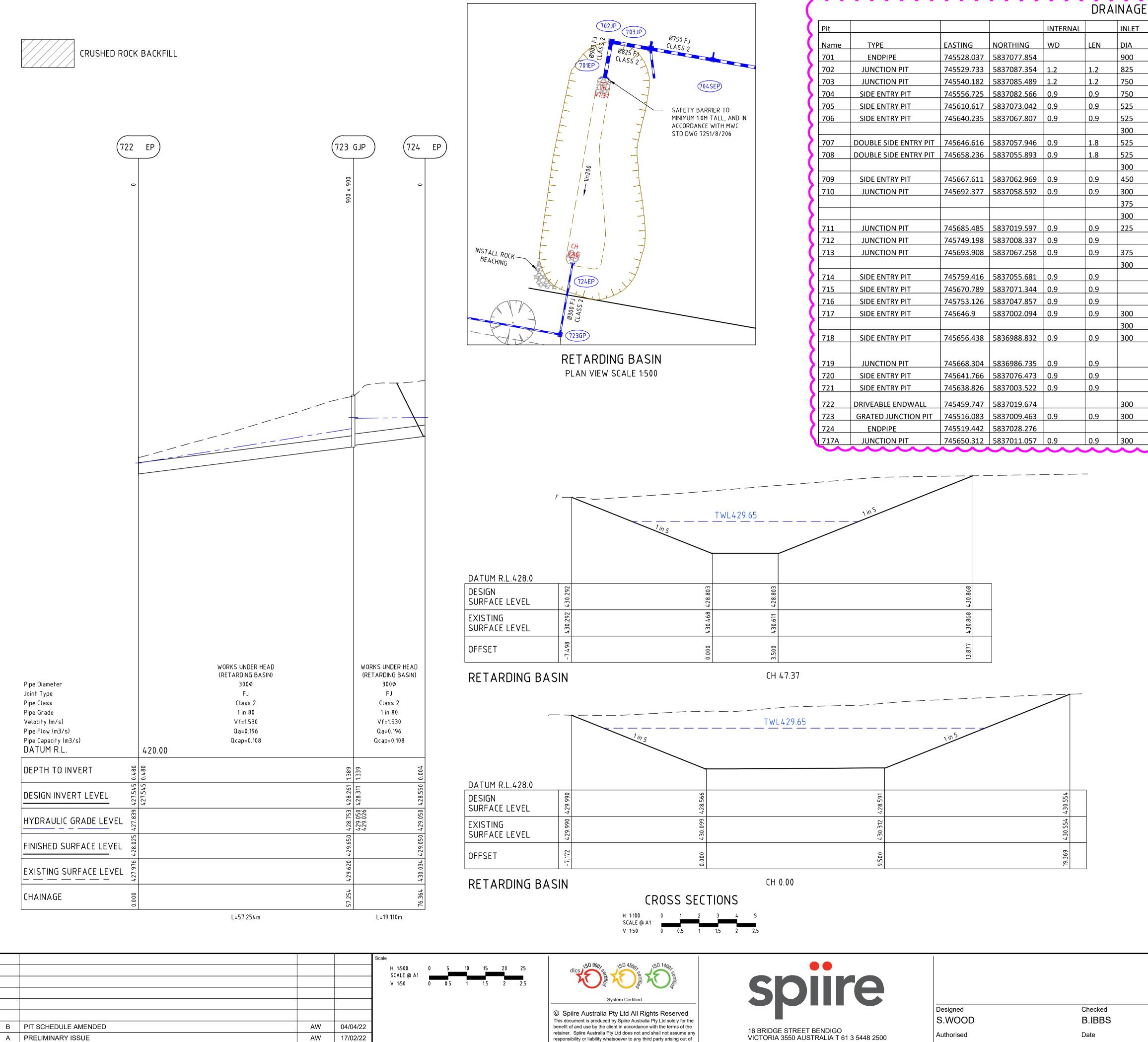
| | By D. Hastings, 13 May, 2022 |
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| ^{ed} KIF | Date 17/02/22 |
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| | | | | Scale | | | | | | | | |
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Rev Amendments

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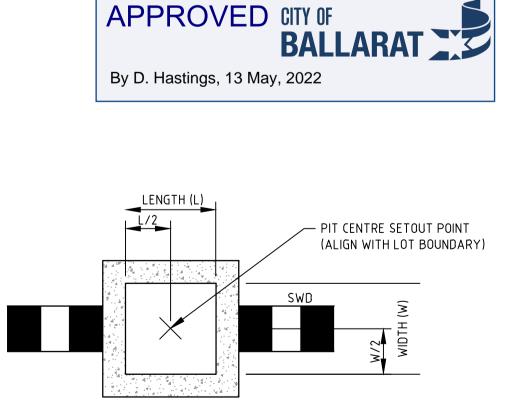
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Checked **B.IBBS** Date A.WILKIE 17/02/22

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| INV LEV | DIA | INV LEV | SETOUT RL | DEPTH | REMARKS |
| 428.831 | | | 429.85 | 1.019 | CONCRETE ENDWALL |
| 428.976 | 900 | 428.863 | 430.643 | 1.779 | REFER TO COB SD-P10-2 |
| 429.068 | 825 | 429.018 | 430.913 | 1.895 | REFER TO COB SD-P10-2 |
| 429.185 | 750 | 429.135 | 430.908 | 1.773 | REFER TO COB SD-P1-2 |
| 429.418 | 750 | 429.368 | 431.414 | 2.046 | REFER TO COB SD-P1-2 |
| 429.844 | 525 | 429.794 | 431.865 | 2.071 | REFER TO COB SD-P1-2 |
| 430.019 | | | | | |
| 429.953 | 525 | 429.903 | 431.819 | 1.916 | REFER TO COB SD-P2-2 |
| 430.062 | 525 | 430.012 | 431.819 | 1.807 | REFER TO COB SD-P2-2 |
| 430.237 | | | | | |
| 430.184 | 525 | 430.109 | 432.263 | 2.154 | REFER TO COB SD-P1-2 |
| 430.862 | 450 | 430.393 | 432.602 | 2.209 | REFER TO COB SD-P10-2 |
| 430.443 | | | | | |
| 430.443 | | | | | |
| 431.157 | 300 | 431.082 | 432.96 | 1.877 | REFER TO COB SD-P10-2 |
| | 225 | 431.697 | 432.91 | 1.214 | REFER TO COB SD-P10-2 |
| 430.537 | 375 | 430.487 | 432.602 | 2.115 | REFER TO COB SD-P10-2 |
| 430.562 | | | | | |
| 1001002 | 375 | 430.803 | 432.289 | 1.486 | REFER TO COB SD-P1-2 |
| | 300 | 430.797 | 432.288 | 1.491 | REFER TO COB SD-P1-2 |
| | 300 | 430.933 | 432.329 | 1.396 | REFER TO COB SD-P1-2 |
| 431.631 | 300 | 431.581 | 433.127 | 1.547 | REFER TO COB SD-P1-2 |
| 431.631 | | | | | |
| 432.334 | 300 | 432.284 | 433.818 | 1.534 | REFER TO COB SD-P1-2 |
| | | | | | REFER TO COB SD-P10-2, ADD SIDE |
| | 300 | 432.468 | 433.958 | 1.49 | INLET FACING SWALE DRAIN REFER TO |
| | 300 | 430.459 | 431.846 | 1.387 | REFER TO COB SD-P1-2 |
| | 300 | 431.795 | 433.098 | 1.303 | REFER TO COB SD-P1-2 |
| | 500 | | | | VICROADS ENWALL IN ACCORDANCE |
| 427.545 | | | 428.025 | 0.48 | WITH SD 1991 |
| 428.311 | 300 | 428.261 | 429.65 | 1.389 | REFER TO COB SD-P10-2 |
| | 300 | 428.55 | 428.55 | 0 | CONCRETE HEADWALL |
| 431.197 | 300 | 431.147 | 432.981 | 1.834 | REFER TO COB SD-P10-2 |
| \sim | \sim | \sim | \sim | \sim | |



TYPICAL DRAINAGE PIT SETOUT POINT 'C' JUNCTION PIT/ EASEMENT PIT NOT TO SCALE



DESIGN PAVEMENT PROFILE

| | | DEPTH (mm) | DEPTH (mm) | DEPTH (mm) |
|-----------------------------|--|---|---|--------------------|
| PAVEMENT LAYER | DESCRIPTION | TYPE A [×] (ACCESS STREET 1) | TYPE B [×] (ACCESS STREET 2) | GRAVEL SHOULDER |
| ASPHALT WEARING COURSE (mm) | SIZE 10mm TYPE N ASPHALT CLASS 320 BITUMEN | 40 | 40 (TYPE H) | |
| SAMI LAYER | | YES | YES | |
| PRIMER COURSE | PRIME OR 7mm PRIMERSEAL | YES | YES | |
| BASE COURSE (mm) | CLASS 1 or 2 20mm FCR. COMPACTED TO 98% (MMDD) | 150 | 150 | 150 |
| SUBBASE COURSE (mm) | CLASS 3 20mm or 40mm FCR. COMPACTED TO 97% (MMDD) | 220 | 180 | |
| LOWER SUBBASE (mm) | CLASS 4 FCR WITH A MINIMUM CBR OF 15 AND COMPACTED TO A MINIMUM DENSITY RATIO OF 95% MODIFIED. | - | 130 | |
| CAPPING LAYER (mm) | IMPORTED PRODUCT WITH A MINIMUM CBR OF 10, SWELL NO GREATER THAN 1.5%, PERMEABILITY NO GREATER THAN 5X10-9M/S AND BE COMPACTED TO A MINIMUM DENSITY RATIO OF 98% STANDARD. | 150 | 200 | |
| | TOTAL PAVEMENT DEPTH | 560 | 680 | 150 |

| ROAD NAME | TYPE |
|------------------|------|
| BOWERBIRD GRANGE | А |
| STORK STREET | А |
| CORMORANT | A |
| GOLDFINCH ROAD | A |

200mm WIDE x 300mm DEEP CONCRETE EDGE STRIP

PAVEMENT DESIGN AS SPECIFIED

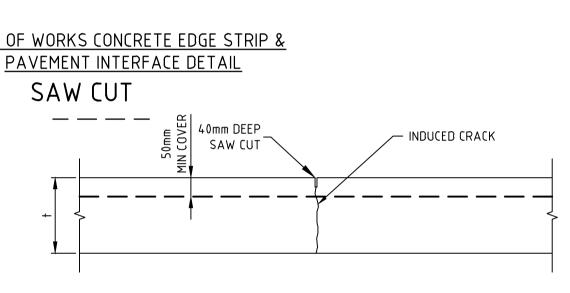
REFER TO COUNCIL STD DETAIL

REFER TO COUNCIL STD DETAIL FOR AG DRAIN BEDDING MATERIAL

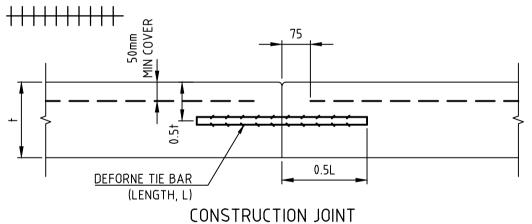
FOR AG DRAIN TRENCH MATERIAL

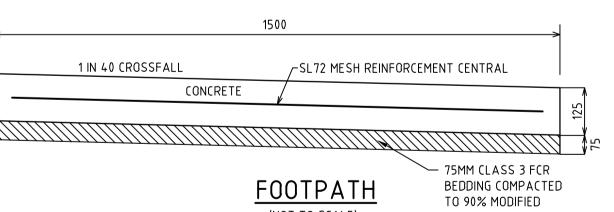
GENERAL NOTES:

- 1. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS AND CCAA LITERATURE; OR VIC ROADS STANDARDS FOR NON RESIDENTIAL STREETS.
- 2. ALL CONCRETE TO BE MINIMUM 32MPa COMPRESSIVE STRENGTH
- CONCRETE TO BE THOROUGHLY COMPACTED USING EITHER SURFACE AND/OR IMMERSION VIBRATORS, PARTICULARLY AROUND REINFORCEMENT LIMIT OF WORKS CONCRETE EDGE STRIP & AND IN CORNERS OF FORMS.
- PRIOR TO CASTING, THE UNBOUND GRANULAR SUBBASE MUST BE DAMP 4. TO ENSURE NO EARLY "DRYING OUT" OF THE CONCRETE.
- 5. CURING OF CONCRETE IS ESSENTIAL IDEALLY BY MAINTAINING WET HESSIAN OR SEALING WITH PLASTIC SHEETING.
- 6. SAW CUTTING OF CONCRETE SHOULD BE COMMENCED AS SOON AS CONCRETE PERMITS BY EXPERIENCED CONTRACTORS, BUT NO LATER THAN 12 HOURS AFTER POUR.
- 7. ALL DOWELS TO BE GRADE 250R STEEL BARS, 450mm LONG AND PLACED AT 300mm CENTRES. REFER CCAA- "CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS" FOR DOWEL DIAMETERS. DOWELS MUST BE ACCURATELY PLACED TO ENSURE THE JOINT DOES NOT "LOCK". INSERTION OF DOWELS DURING THE PLACING OF CONCRETE IS NOT ACCEPTABLE. DOWELS MUST BE SAWN AND NOT CROPPED.
- 8. ALL JOINTS TO BE APPROPRIATELY SEALED TO RESIST THE INTRUSION OF SAND AND GRAVEL AND TO MINIMISE THE INGRESS OF WATER.



CONSTRUCTION JOINT





(NOT TO SCALE) GENERALLY AS PER COB SD-K3-2 FOOTPATH TO BE 25MPa FOR RESIDENTIAL

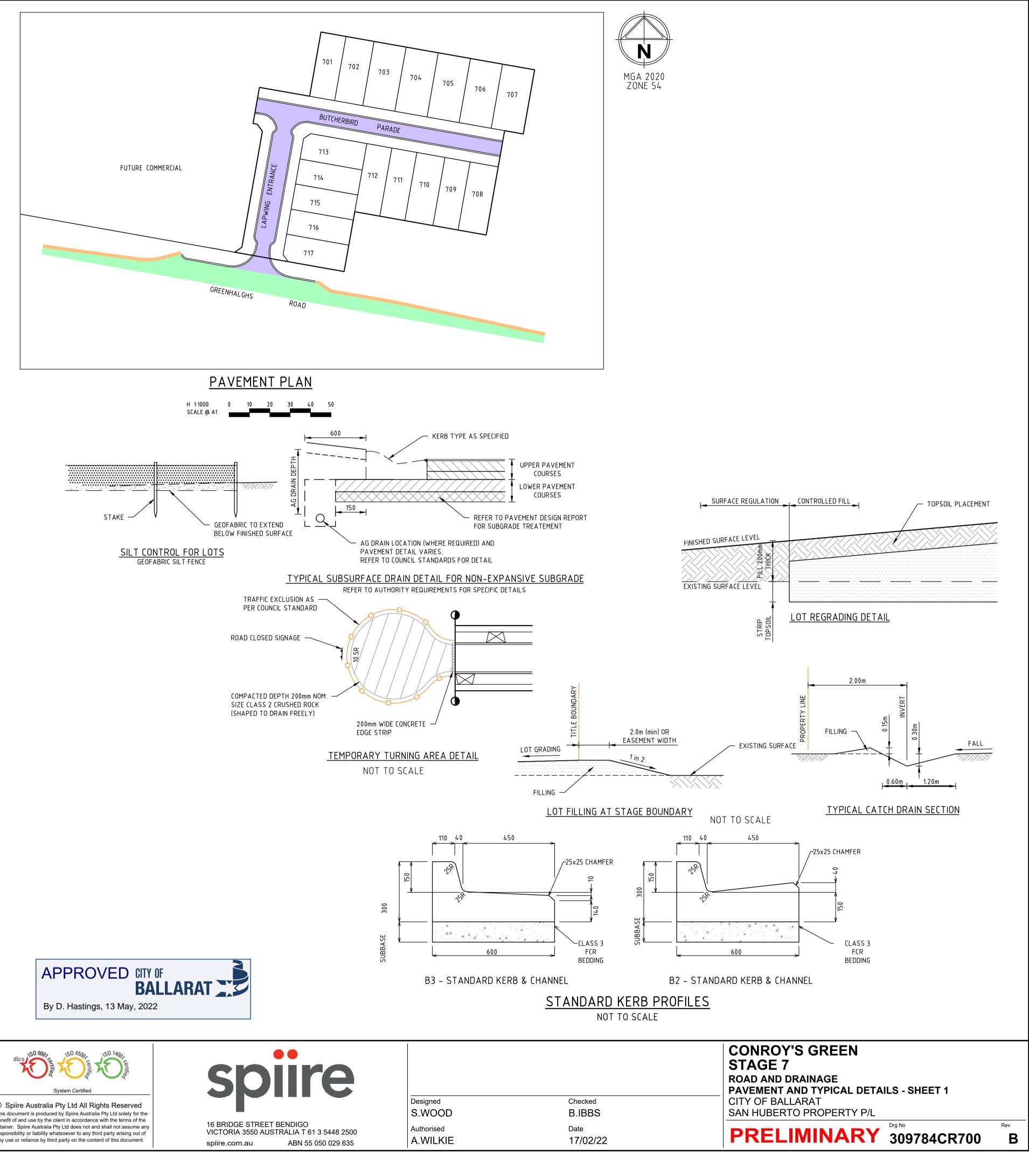
PAVEMENT DETAILS

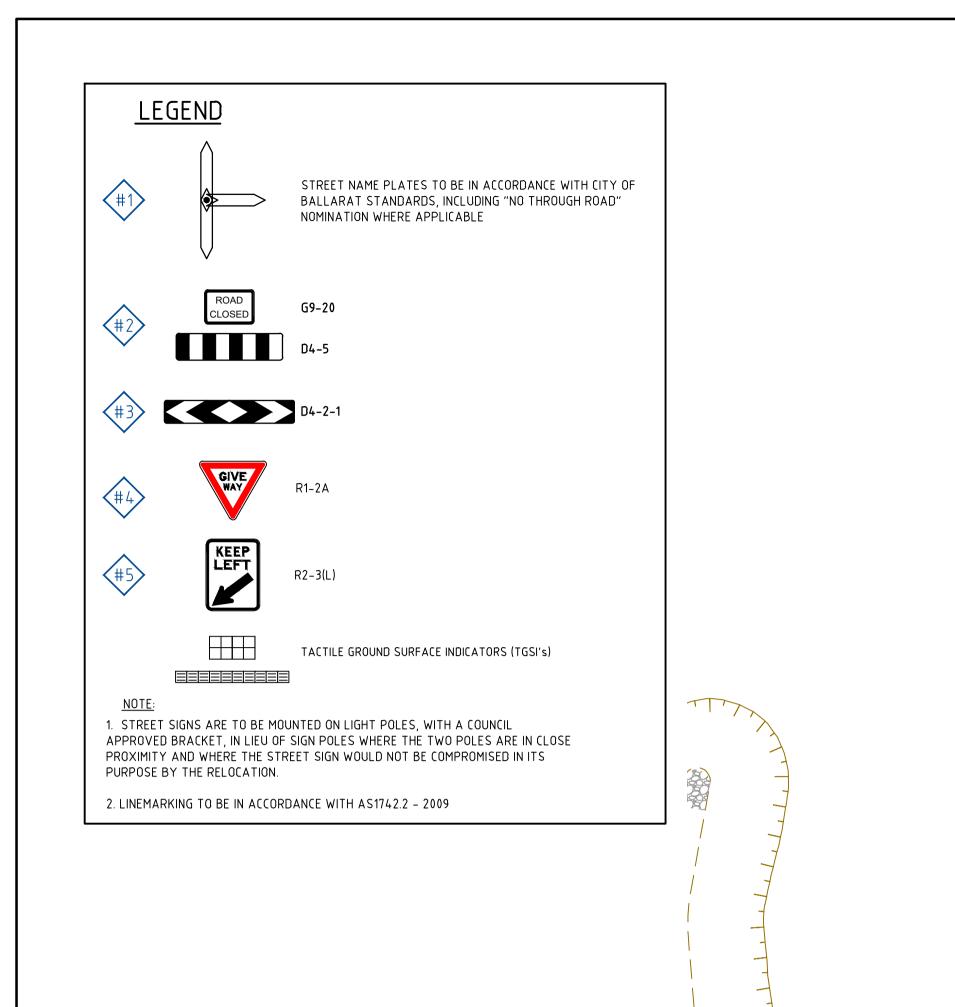
THE PAVEMENT DESIGNS SHOWN HERE HAVE BEEN DESIGNED/PROVIDED BY GTS WHO ARE RESPONSIBLE FOR THE GEOTECHNICAL WORK ON THIS PROJECT. SPIIRE IS NOT RESPONSIBLE FOR THE WORK OF GTS .

THE DESIGN HAS BEEN EXTRACTED FROM THE GTS REPORT ON "520 GREENHALGHS ROAD, WINTER VALLEY" THIS DOCUMENT SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED. A COPY OF THE DOCUMENT WILL BE PROVIDED TO YOU ON REQUEST.

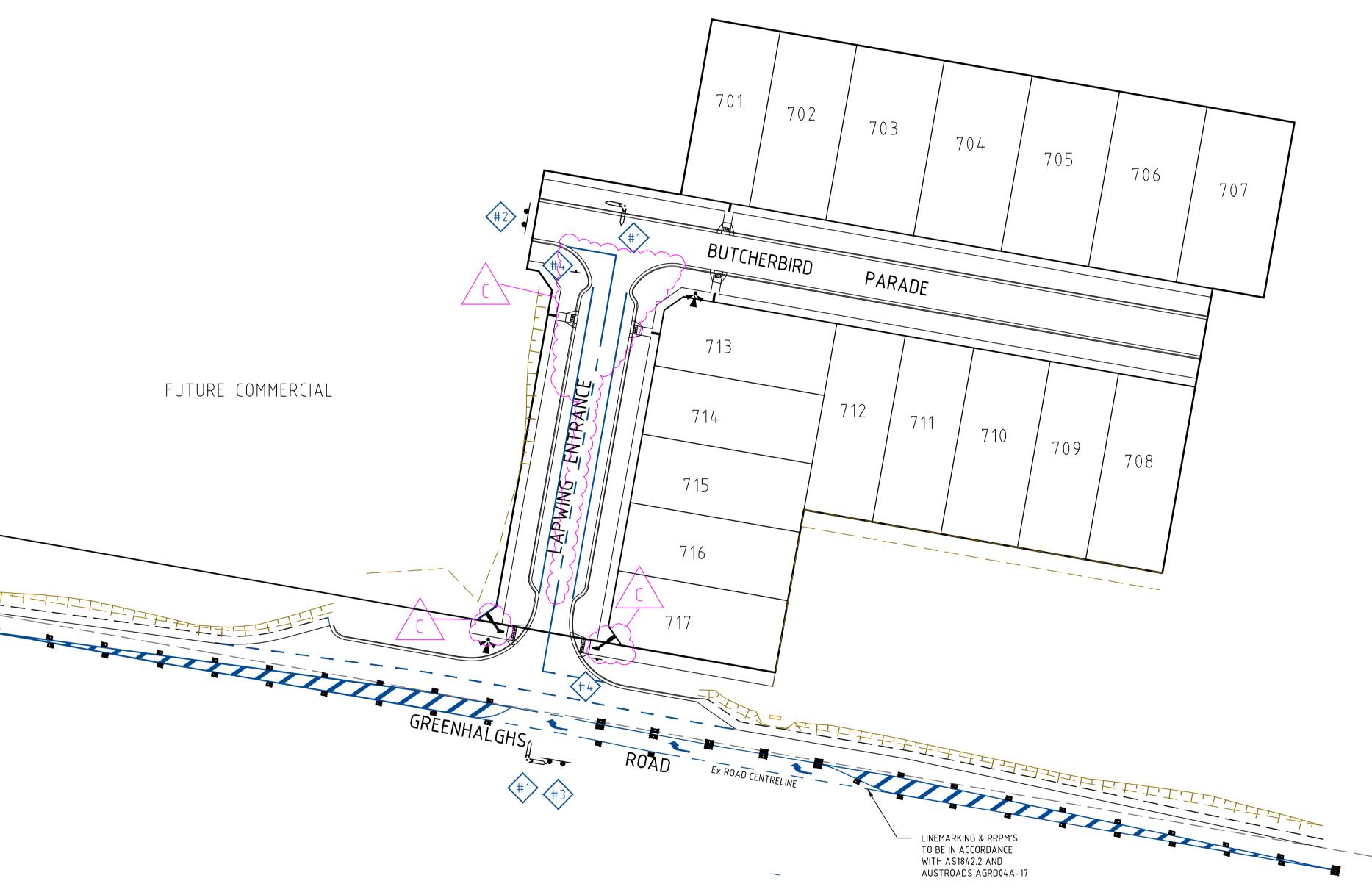
SPIIRE DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THE GEOTECHNICAL WORK AND PAVEMENT DESIGNS. ANY QUERIES IN RESPECT TO THE GEOTECHNICAL WORK AND PAVEMENT DESIGNS SHOULD BE ADDRESSED TO GTS AND SENT TO SPIIRE.

| ACA | | | | | Scale | |
|--|-----|--|----------|----------|-------|-----------|
| lwg layout 34\Civil\AC | | | | | | |
| | | | | | | |
| 700.0 | | | | | | |
| name 309784CR700.dwg location G:\30\309784\ | | | | | | |
| | | | | | | C This |
| | В | PAVEMENT DETAILS AND TYPICAL DETAILS AMENDED | AW | 12/04/22 | | ben |
| | А | PRELIMINARY ISSUE | AW | 17/02/22 | | resp |
| file file | Rev | Amendments | Approved | Date | | any |





| | | | | Scale | | | | | | | | 1 |
|-----|--|----------|----------|-------|-----------------------|---|---|----|----|----|----|-----------------|
| | | | | | H 1:500 SCALE @ A1 | 0 | 5 | 10 | 15 | 20 | 25 | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| С | ADDITION OF GIVE WAY SIGN ON LAPWING, LINEMARKING AND RRPM'S AMENDED | A.W | 09/05/22 | | | | | | | | | C S |
| В | ADD SIGNS #3, AMEND SIGN #4 POSITION | AW | 04/04/22 | | | | | | | | | bene |
| А | PRELIMINARY ISSUE | AW | 17/02/22 | | | | | | | | | retaii respo |
| Rev | Amendments | Approved | Date | | | | | | | | | any t |
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Designed S.WOOD Authorised A.WILKIE

Checked **B.IBBS** Date 17/02/22





