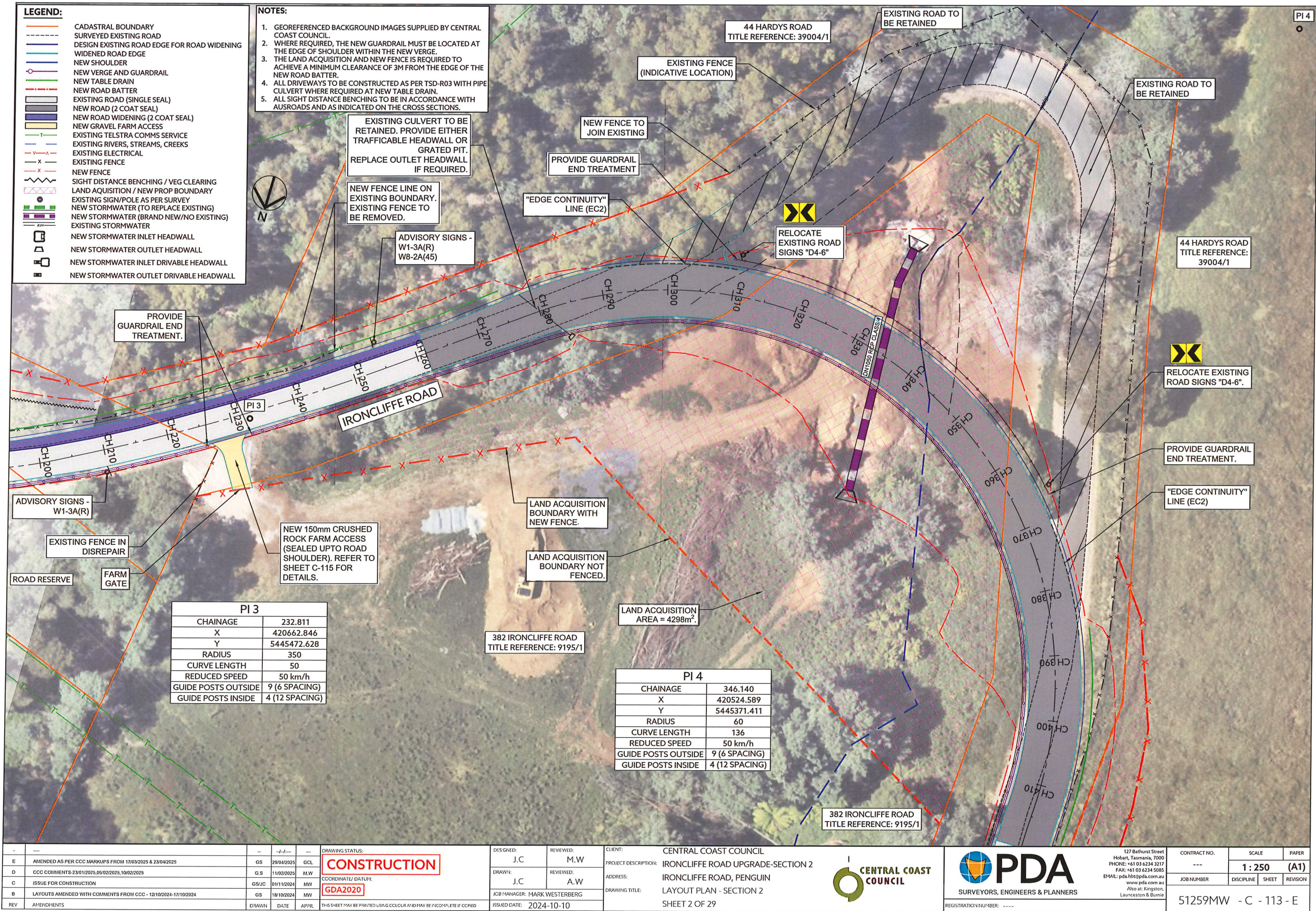




- LEGEND:**
- CADASTRAL BOUNDARY
  - SURVEYED EXISTING ROAD
  - DESIGN EXISTING ROAD EDGE FOR ROAD WIDENING
  - WIDENED ROAD EDGE
  - NEW SHOULDER
  - NEW VERGE AND GUARDRAIL
  - NEW TABLE DRAIN
  - NEW ROAD BATTER
  - EXISTING ROAD (SINGLE SEAL)
  - NEW ROAD (2 COAT SEAL)
  - NEW ROAD WIDENING (2 COAT SEAL)
  - NEW GRAVEL FARM ACCESS
  - EXISTING TELSTRA COMMS SERVICE
  - EXISTING RIVERS, STREAMS, CREEKS
  - EXISTING ELECTRICAL
  - EXISTING FENCE
  - NEW FENCE
  - SIGHT DISTANCE BENCHING / VEG CLEARING
  - LAND ACQUISITION / NEW PROP BOUNDARY
  - EXISTING SIGN/POLE AS PER SURVEY
  - NEW STORMWATER (TO REPLACE EXISTING)
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  - NEW STORMWATER INLET HEADWALL
  - NEW STORMWATER OUTLET HEADWALL
  - NEW STORMWATER INLET DRIVABLE HEADWALL
  - NEW STORMWATER OUTLET DRIVABLE HEADWALL

- NOTES:**
1. GEOREFERENCED BACKGROUND IMAGES SUPPLIED BY CENTRAL COAST COUNCIL.
  2. WHERE REQUIRED, THE NEW GUARDRAIL MUST BE LOCATED AT THE EDGE OF SHOULDER WITHIN THE NEW VERGE.
  3. THE LAND ACQUISITION AND NEW FENCE IS REQUIRED TO ACHIEVE A MINIMUM CLEARANCE OF 3M FROM THE EDGE OF THE NEW ROAD BATTER.
  4. ALL DRIVEWAYS TO BE CONSTRUCTED AS PER TSD-R03 WITH PIPE CULVERT WHERE REQUIRED AT NEW TABLE DRAIN.
  5. ALL SIGHT DISTANCE BENCHING TO BE IN ACCORDANCE WITH AUSROADS AND AS INDICATED ON THE CROSS SECTIONS.



44 HARDYS ROAD  
TITLE REFERENCE: 39004/1

LAND ACQUISITION = 655m<sup>2</sup>  
NEW FENCE LINE ON  
ACQUISITION BOUNDARY

ADVISORY SIGNS -  
W1-3A(L)  
W8-2A(45)  
W5-103A

PROVIDE  
GUARDRAIL END  
TREATMENTS.

44 HARDYS ROAD  
TITLE REFERENCE: 39004/1

EXISTING ROAD TO  
BE RETAINED

PROVIDE GUARDRAIL  
END TREATMENT.

"EDGE CONTINUITY"  
LINE (EC2)

382 IRONCLIFFE ROAD  
TITLE REFERENCE: 9195/1

LAND ACQUISITION  
BOUNDARY NOT  
FENCED.

LAND ACQUISITION  
AREA = 4298m<sup>2</sup>.

IRONCLIFFE ROAD

| PI 5                |                 |
|---------------------|-----------------|
| CHAINAGE            | 422.214         |
| X                   | 420531.793      |
| Y                   | 5445525.617     |
| RADIUS              | 150             |
| CURVE LENGTH        | 55              |
| REDUCED SPEED       | NONE            |
| GUIDE POSTS OUTSIDE | 25 (6 SPACING)  |
| GUIDE POSTS INSIDE  | 13 (12 SPACING) |

| REV | AMENDMENTS                                                     | DRAWN | DATE       | APPR |
|-----|----------------------------------------------------------------|-------|------------|------|
| E   | AMENDED AS PER CCC MARKUPS FROM 17/03/2025 & 23/04/2025        | GS    | 29/04/2025 | GCL  |
| D   | CCC COMMENTS 23/01/2025, 05/02/2025, 10/02/2025                | GS    | 11/02/2025 | M.W  |
| C   | ISSUE FOR CONSTRUCTION                                         | GS/JC | 01/11/2024 | MW   |
| B   | LAYOUTS AMENDED WITH COMMENTS FROM CCC - 12/10/2024-17/10/2024 | GS    | 18/10/2024 | MW   |
| REV | AMENDMENTS                                                     | DRAWN | DATE       | APPR |

DRAWING STATUS:  
**CONSTRUCTION**

COORDINATE/ DATUM:  
**GDA2020**

DESIGNED: J.C  
REVIEWED: M.W  
DRAWN: J.C  
REVIEWED: A.W  
JOB MANAGER: MARK WESTERBERG  
ISSUED DATE: 2024-10-10

CLIENT: CENTRAL COAST COUNCIL  
PROJECT DESCRIPTION: IRONCLIFFE ROAD UPGRADE-SECTION 2  
ADDRESS: IRONCLIFFE ROAD, PENGUIN  
DRAWING TITLE: LAYOUT PLAN - SECTION 2  
SHEET 3 OF 29



127 Bathurst Street  
Hobart, Tasmania, 7000  
PHONE: +61 03 6234 3217  
FAX: +61 03 6234 5085  
EMAIL: pda.hbt@pda.com.au  
www.pda.com.au  
Also at: Kingston,  
Launceston & Burnie

|              |            |         |          |
|--------------|------------|---------|----------|
| CONTRACT NO. | SCALE      |         | PAPER    |
| ---          | 1 : 250    |         | (A1)     |
| JOB NUMBER   | DISCIPLINE | SHEET   | REVISION |
| 51259MW      | - C -      | 114 - E |          |

- LEGEND:**
- CADASTRAL BOUNDARY
  - SURVEYED EXISTING ROAD
  - DESIGN EXISTING ROAD EDGE FOR ROAD WIDENING
  - WIDENED ROAD EDGE
  - NEW SHOULDER
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  - NEW TABLE DRAIN
  - NEW ROAD BATTER
  - EXISTING ROAD (SINGLE SEAL)
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  - EXISTING RIVERS, STREAMS, CREEKS
  - EXISTING ELECTRICAL
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- NOTES:**
1. GEOREFERENCED BACKGROUND IMAGES SUPPLIED BY CENTRAL COAST COUNCIL.
  2. WHERE REQUIRED, THE NEW GUARDRAIL MUST BE LOCATED AT THE EDGE OF SHOULDER WITHIN THE NEW VERGE.
  3. THE LAND ACQUISITION AND NEW FENCE IS REQUIRED TO ACHIEVE A MINIMUM CLEARANCE OF 3M FROM THE EDGE OF THE NEW ROAD BATTER.
  4. ALL DRIVEWAYS TO BE CONSTRUCTED AS PER TSD-R03 WITH PIPE CULVERT WHERE REQUIRED AT NEW TABLE DRAIN.
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437 IRONCLIFFE ROAD  
TITLE REFERENCE: 168642/2

REFER TO DRAWINGS  
151,161,171

DRIVEWAY ACCESS 397

NEW FENCE LINE ON  
ROAD RESERVE  
BOUNDARY

**VISIBILITY BENCHING:**  
DESIGN SPEED - 60km/hr  
CURVE RADIUS - 60m  
AS PER AGRD03 - TABLE 5.5 AND FIGURE 5.4:  
SIGHT DISTANCE REQUIRED - 64m  
LATERAL OFFSET TO OBSTRUCTION FROM  
CENTRE OF LHS LANE - 9.0m

LAND ACQUISITION = 455m<sup>2</sup>  
NEW FENCE LINE ON  
ACQUISITION BOUNDARY

44 HARDYS ROAD  
TITLE REFERENCE: 39004/1

NEW 150mm CRUSHED ROCK  
FARM ACCESS (SEALED UPTO  
ROAD SHOULDER). REFER TO  
TYPICAL DETAILS.

AREA TO BE KEPT CLEAR OF  
VEGETATION  
FOR SIGHT DISTANCE. EXISTING  
TREES TO BE CLEARED FROM  
NEW ROAD BOUNDARY

397 IRONCLIFFE ROAD  
TITLE REFERENCE: 168642/1

ADVISORY SIGNS -  
W1-3A(R)  
W5-103A

PROVIDE GUARDRAIL  
END TREATMENT.

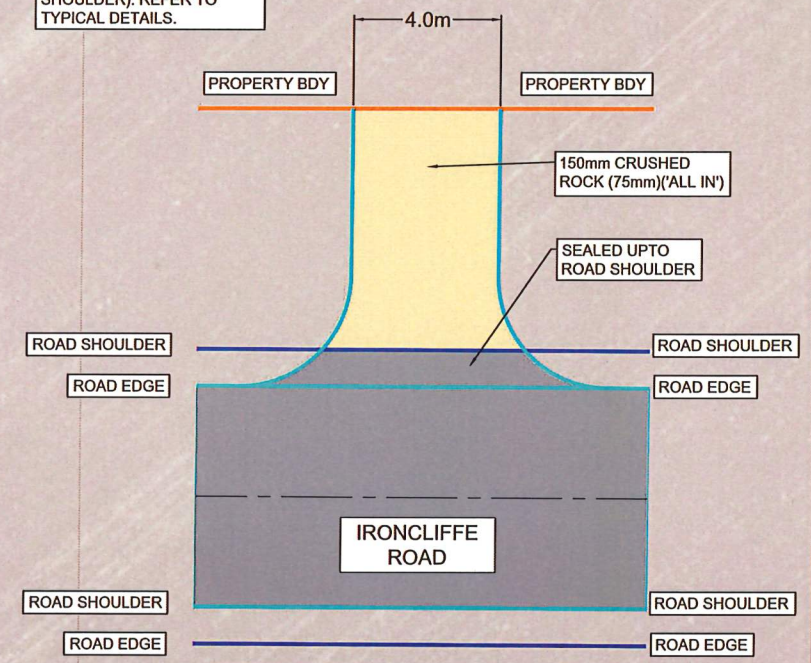
448 IRONCLIFFE ROAD  
TITLE REFERENCE: 197797/1

**POWER POLE**

NEW 150mm CRUSHED  
ROCK FARM ACCESS  
(SEALED UPTO ROAD  
SHOULDER). REFER TO  
TYPICAL DETAILS.

| PI 7                |                |
|---------------------|----------------|
| CHAINAGE            | 684.668        |
| X                   | 418710.321     |
| Y                   | 5446019.671    |
| RADIUS              | 65             |
| CURVE LENGTH        | 10             |
| REDUCED SPEED       | NONE           |
| GUIDE POSTS OUTSIDE | 2 (45 SPACING) |
| GUIDE POSTS INSIDE  | 2 (45 SPACING) |

| PI 6                |                |
|---------------------|----------------|
| CHAINAGE            | 577.121        |
| X                   | 420484.635     |
| Y                   | 5445666.822    |
| RADIUS              | 60             |
| CURVE LENGTH        | 90             |
| REDUCED SPEED       | 50 km/h        |
| GUIDE POSTS OUTSIDE | 10 (6 SPACING) |
| GUIDE POSTS INSIDE  | 5 (12 SPACING) |



**FARM ACCESS TYPICAL DETAIL**  
NTS

| REV | AMENDMENTS                                                     | DRAWN | DATE       | APPR |
|-----|----------------------------------------------------------------|-------|------------|------|
| -   | -                                                              | -     | -          | -    |
| E   | AMENDED AS PER CCC MARKUPS FROM 17/03/2025 & 23/04/2025        | GS    | 28/04/2025 | GCL  |
| D   | CCC COMMENTS-23/01/2025,05/02/2025,10/02/2025                  | GS    | 11/02/2025 | M.W  |
| C   | ISSUE FOR CONSTRUCTION                                         | GS/JC | 01/11/2024 | MW   |
| B   | LAYOUTS AMENDED WITH COMMENTS FROM CCC - 12/10/2024-17/10/2024 | GS    | 18/10/2024 | MW   |

|                                                                          |                     |
|--------------------------------------------------------------------------|---------------------|
| DRAWING STATUS:                                                          | <b>CONSTRUCTION</b> |
| COORDINATE/DATUM:                                                        | <b>GDA2020</b>      |
| THIS SHEET MAY BE PRINTED USING COLOUR AND MAY BE PHOTO-COPIED IF COPIED |                     |

|              |                 |           |     |
|--------------|-----------------|-----------|-----|
| DESIGNED:    | J.C             | REVIEWED: | M.W |
| DRAWN:       | J.C             | REVIEWED: | A.W |
| JOB MANAGER: | MARK WESTERBERG |           |     |
| ISSUED DATE: | 2024-10-10      |           |     |

|                      |                                   |
|----------------------|-----------------------------------|
| CLIENT:              | CENTRAL COAST COUNCIL             |
| PROJECT DESCRIPTION: | IRONCLIFFE ROAD UPGRADE-SECTION 2 |
| ADDRESS:             | IRONCLIFFE ROAD, PENGUIN          |
| DRAWING TITLE:       | LAYOUT PLAN - SECTION 2           |
| SHEET 4 OF 29        |                                   |

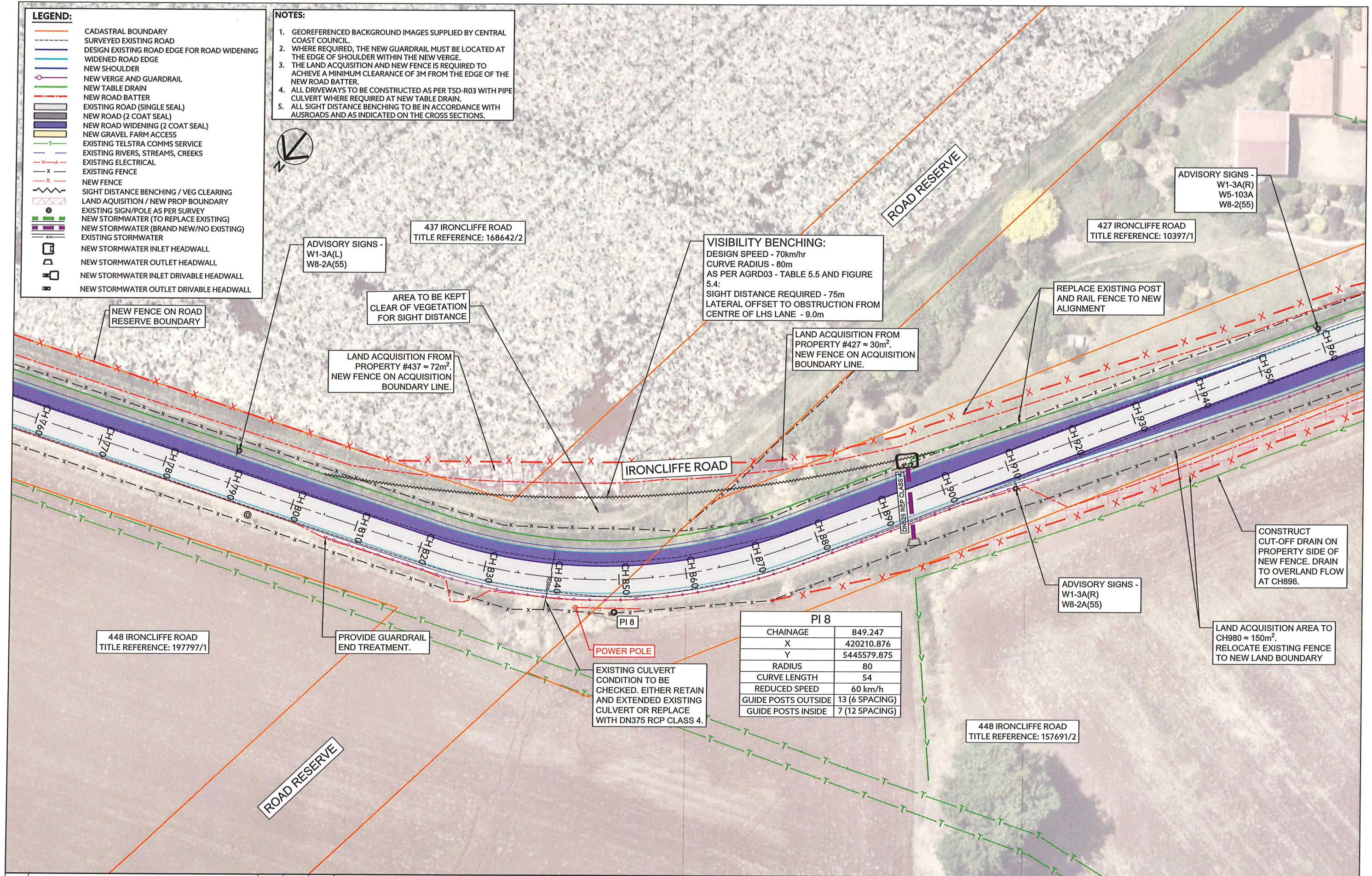
|                                                                                                                          |                                                                                                                                                                                               |              |            |       |
|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|-------|
| <br>SURVEYORS, ENGINEERS & PLANNERS | 127 Bathurst Street<br>Hobart, Tasmania, 7000<br>PHONE: +61 03 6234 3217<br>FAX: +61 03 6234 5085<br>EMAIL: pda.hbt@pda.com.au<br>www.pda.com.au<br>Also at: Kingston,<br>Launceston & Burnie | CONTRACT NO. | SCALE      | PAPER |
|                                                                                                                          | ---                                                                                                                                                                                           | ---          | 1 : 250    | (A1)  |
| REGISTRATION NUMBER: ---                                                                                                 |                                                                                                                                                                                               | JOB NUMBER   | DISCIPLINE | SHEET |
|                                                                                                                          |                                                                                                                                                                                               | ---          | ---        | ---   |
| 51259MW - C - 115 - E                                                                                                    |                                                                                                                                                                                               |              |            |       |

**LEGEND:**

- CADASTRAL BOUNDARY
- SURVEYED EXISTING ROAD
- DESIGN EXISTING ROAD EDGE FOR ROAD WIDENING
- WIDENED ROAD EDGE
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**NOTES:**

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ADVISORY SIGNS -  
W1-3A(L)  
W8-2A(55)

437 IRONCLIFFE ROAD  
TITLE REFERENCE: 168642/2

LAND ACQUISITION FROM  
PROPERTY #437 ≈ 72m².  
NEW FENCE ON ACQUISITION  
BOUNDARY LINE.

AREA TO BE KEPT  
CLEAR OF VEGETATION  
FOR SIGHT DISTANCE

**VISIBILITY BENCHING:**  
DESIGN SPEED - 70km/hr  
CURVE RADIUS - 80m  
AS PER AGRD03 - TABLE 5.5 AND FIGURE  
5.4:  
SIGHT DISTANCE REQUIRED - 75m  
LATERAL OFFSET TO OBSTRUCTION FROM  
CENTRE OF LHS LANE - 9.0m

LAND ACQUISITION FROM  
PROPERTY #427 ≈ 30m².  
NEW FENCE ON ACQUISITION  
BOUNDARY LINE.

REPLACE EXISTING POST  
AND RAIL FENCE TO NEW  
ALIGNMENT

427 IRONCLIFFE ROAD  
TITLE REFERENCE: 10397/1

ADVISORY SIGNS -  
W1-3A(R)  
W5-103A  
W8-2(55)

CONSTRUCT  
CUT-OFF DRAIN ON  
PROPERTY SIDE OF  
NEW FENCE. DRAIN  
TO OVERLAND FLOW  
AT CH896.

LAND ACQUISITION AREA TO  
CH980 ≈ 150m².  
RELOCATE EXISTING FENCE  
TO NEW LAND BOUNDARY

ADVISORY SIGNS -  
W1-3A(R)  
W8-2A(55)

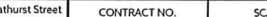
448 IRONCLIFFE ROAD  
TITLE REFERENCE: 157691/2

448 IRONCLIFFE ROAD  
TITLE REFERENCE: 197797/1

PROVIDE GUARDRAIL  
END TREATMENT.

**POWER POLE**  
EXISTING CULVERT  
CONDITION TO BE  
CHECKED. EITHER RETAIN  
AND EXTENDED EXISTING  
CULVERT OR REPLACE  
WITH DN375 RCP CLASS 4.

| PI 8                |                |
|---------------------|----------------|
| CHAINAGE            | 849.247        |
| X                   | 420210.876     |
| Y                   | 5445579.875    |
| RADIUS              | 80             |
| CURVE LENGTH        | 54             |
| REDUCED SPEED       | 60 km/h        |
| GUIDE POSTS OUTSIDE | 13 (6 SPACING) |
| GUIDE POSTS INSIDE  | 7 (12 SPACING) |

|                                                                  |  |  |                     |  |                              |  |                         |  |                                        |  |                                                                                       |  |                                                                                                                                                                                                                                                                                                           |  |                       |  |            |  |       |  |
|------------------------------------------------------------------|--|--|---------------------|--|------------------------------|--|-------------------------|--|----------------------------------------|--|---------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------|--|------------|--|-------|--|
|                                                                  |  |  | DRAWING STATUS:     |  | DESIGNED: J.C.               |  | REVIEWED: M.W.          |  | CLIENT: CENTRAL COAST COUNCIL          |  |  |  |  <div>127 Bathurst Street<br/>Hobart, Tasmania, 7000<br/>PHONE: +61 03 6234 3217<br/>FAX: +61 03 6234 5085<br/>EMAIL: pda.hbt@pda.com.au<br/>www.pda.com.au<br/>Also at: Kingston,<br/>Launceston &amp; Burnie</div> |  | CONTRACT NO.          |  | SCALE      |  | PAPER |  |
| E AMENDED AS PER CCC MARKUPS FROM 17/03/2025 & 23/04/2025        |  |  | GS 29/04/2025 GCL   |  | <div>CONSTRUCTION</div>      |  | J.C.                    |  | A.W.                                   |  |                                                                                       |  |                                                                                                                                                                                                                                                                                                           |  | ---                   |  | 1 : 250    |  | (A1)  |  |
| D CCC COMMENTS-23/01/2025,05/02/2025,10/02/2025                  |  |  | G.S 11/02/2025 M.W  |  |                              |  |                         |  |                                        |  |                                                                                       |  |                                                                                                                                                                                                                                                                                                           |  | JOB NUMBER            |  | DISCIPLINE |  | SHEET |  |
| C ISSUE FOR CONSTRUCTION                                         |  |  | GS/UC 01/11/2024 MW |  | COORDINATE DATUM: GDA2020    |  |                         |  | ADDRESS: IRONCLIFFE ROAD, PENGUIN      |  |                                                                                       |  |                                                                                                                                                                                                                                                                                                           |  |                       |  |            |  |       |  |
| B LAYOUTS AMENDED WITH COMMENTS FROM CCC - 12/10/2024-17/10/2024 |  |  | GS 18/10/2024 MW    |  | JOB MANAGER: MARK WESTERBERG |  |                         |  | DRAWING TITLE: LAYOUT PLAN - SECTION 2 |  |                                                                                       |  |                                                                                                                                                                                                                                                                                                           |  |                       |  |            |  |       |  |
| REV AMENDMENTS                                                   |  |  | DRAWN DATE          |  | APPR                         |  | ISSUED DATE: 2024-10-10 |  | SHEET 5 OF 29                          |  |                                                                                       |  | REGISTRATION NUMBER: ----                                                                                                                                                                                                                                                                                 |  | 51259MW - C - 116 - E |  |            |  |       |  |

**LEGEND:**

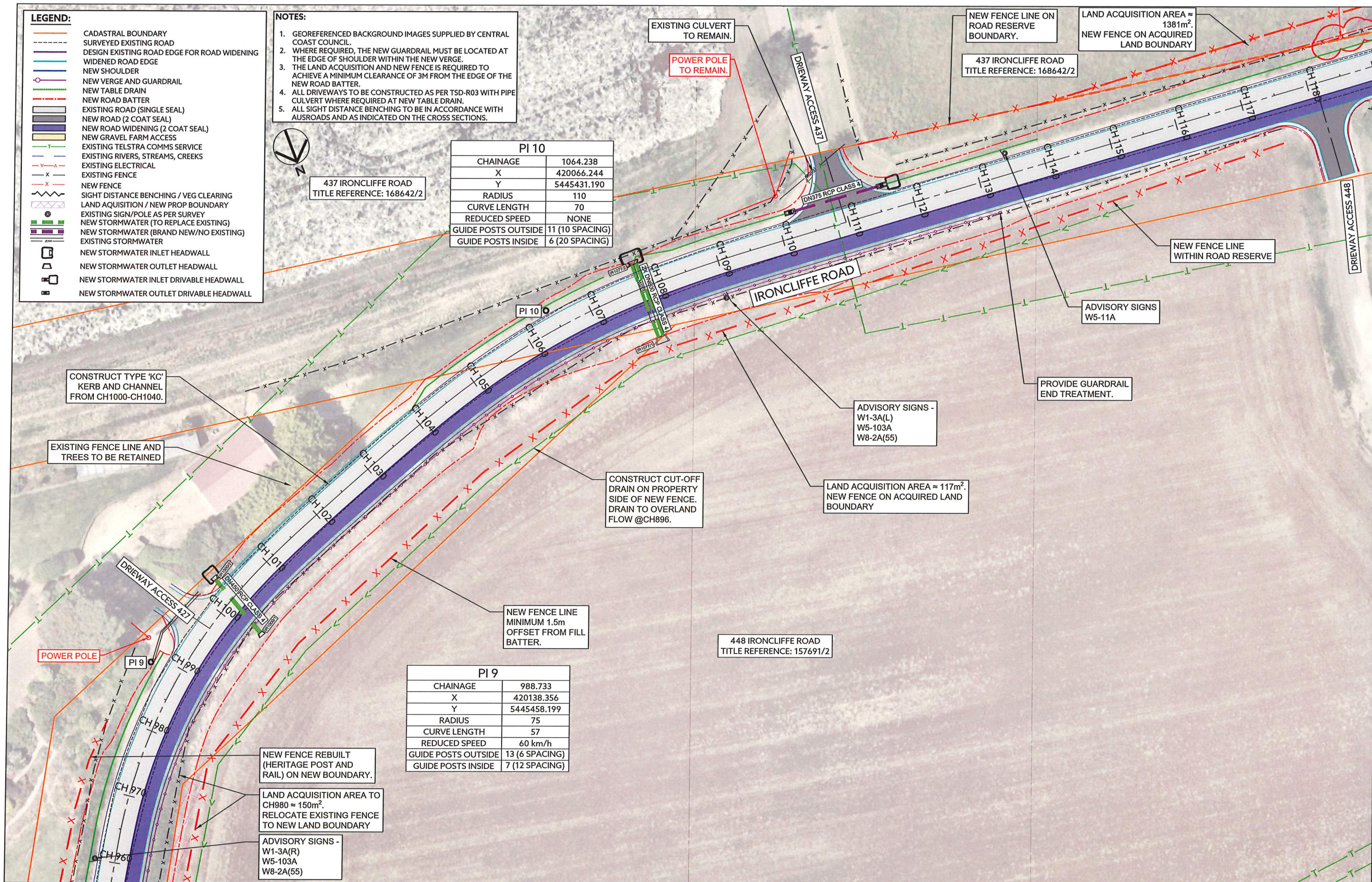
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- SURVEYED EXISTING ROAD
- DESIGN EXISTING ROAD EDGE FOR ROAD WIDENING
- WIDENED ROAD EDGE
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**NOTES:**

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| PI 10               |                 |
|---------------------|-----------------|
| CHAINAGE            | 1064.238        |
| X                   | 420066.244      |
| Y                   | 5445431.190     |
| RADIUS              | 110             |
| CURVE LENGTH        | 70              |
| REDUCED SPEED       | NONE            |
| GUIDE POSTS OUTSIDE | 11 (10 SPACING) |
| GUIDE POSTS INSIDE  | 6 (20 SPACING)  |

| PI 9                |                |
|---------------------|----------------|
| CHAINAGE            | 988.733        |
| X                   | 420138.356     |
| Y                   | 5445458.199    |
| RADIUS              | 75             |
| CURVE LENGTH        | 57             |
| REDUCED SPEED       | 60 km/h        |
| GUIDE POSTS OUTSIDE | 13 (6 SPACING) |
| GUIDE POSTS INSIDE  | 7 (12 SPACING) |



|                                                                  |  |  |  |  |                     |  |                                                                         |  |                         |  |                      |  |                                   |  |                                                                                       |  |                                                                                       |  |                                                                                                                                                                                               |  |                       |  |            |  |       |  |          |  |
|------------------------------------------------------------------|--|--|--|--|---------------------|--|-------------------------------------------------------------------------|--|-------------------------|--|----------------------|--|-----------------------------------|--|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------|--|------------|--|-------|--|----------|--|
|                                                                  |  |  |  |  | DRAWING STATUS:     |  | DESIGNED:                                                               |  | REVIEWED:               |  | CLIENT:              |  | CENTRAL COAST COUNCIL             |  |  |  |  |  | 127 Bathurst Street<br>Hobart, Tasmania, 7000<br>PHONE: +61 03 6234 3217<br>FAX: +61 03 6234 5085<br>EMAIL: pda.hbt@pda.com.au<br>www.pda.com.au<br>Also at: Kingston,<br>Launceston & Burnie |  | CONTRACT NO.          |  | SCALE      |  | PAPER |  |          |  |
| E AMENDED AS PER CCC MARKUPS FROM 17/03/2025 & 23/04/2025        |  |  |  |  | GS 28/04/2025 GCL   |  | J.C                                                                     |  | M.W                     |  | PROJECT DESCRIPTION: |  | IRONCLIFFE ROAD UPGRADE-SECTION 2 |  |                                                                                       |  |                                                                                       |  |                                                                                                                                                                                               |  | ---                   |  | 1:250      |  | (A1)  |  |          |  |
| D CCC COMMENTS-23/01/2025,05/02/2025,10/02/2025                  |  |  |  |  | GS 11/02/2025 M.W   |  | J.C                                                                     |  | A.W                     |  | ADDRESS:             |  | IRONCLIFFE ROAD, PENGUIN          |  |                                                                                       |  |                                                                                       |  |                                                                                                                                                                                               |  | JOB NUMBER            |  | DISCIPLINE |  | SHEET |  | REVISION |  |
| C ISSUE FOR CONSTRUCTION                                         |  |  |  |  | GS/JC 01/11/2024 MW |  | COORDINATE/ DATUM:                                                      |  | GDA2020                 |  | DRAWING TITLE:       |  | LAYOUT PLAN - SECTION 2           |  |                                                                                       |  |                                                                                       |  |                                                                                                                                                                                               |  | 51259MW - C - 117 - E |  |            |  |       |  |          |  |
| B LAYOUTS AMENDED WITH COMMENTS FROM CCC - 12/10/2024-17/10/2024 |  |  |  |  | GS 18/10/2024 MW    |  | JOB MANAGER: MARK WESTERBERG                                            |  |                         |  |                      |  |                                   |  |                                                                                       |  |                                                                                       |  |                                                                                                                                                                                               |  |                       |  |            |  |       |  |          |  |
| REV AMENDMENTS                                                   |  |  |  |  | DRAWN DATE APPR.    |  | THIS SHEET MAY BE PRINTED USING C/COLOR AND MAY BE INCOMPLETE IF COPIED |  | ISSUED DATE: 2024-10-10 |  |                      |  |                                   |  |                                                                                       |  | REGISTRATION NUMBER: ----                                                             |  |                                                                                                                                                                                               |  |                       |  |            |  |       |  |          |  |

- LEGEND:**
- CADASTRAL BOUNDARY
  - SURVEYED EXISTING ROAD
  - DESIGN EXISTING ROAD EDGE FOR ROAD WIDENING
  - WIDENED ROAD EDGE
  - NEW SHOULDER
  - NEW VERGE AND GUARDRAIL
  - NEW TABLE DRAIN
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  - EXISTING ROAD (SINGLE SEAL)
  - NEW ROAD (2 COAT SEAL)
  - NEW ROAD WIDENING (2 COAT SEAL)
  - NEW GRAVEL FARM ACCESS
  - EXISTING TELSTRA COMMS SERVICE
  - EXISTING RIVERS, STREAMS, CREEKS
  - EXISTING ELECTRICAL
  - EXISTING FENCE
  - NEW FENCE
  - SIGHT DISTANCE BENCHING / VEG CLEARING
  - LAND ACQUISITION / NEW PROP BOUNDARY
  - EXISTING SIGN/POLE AS PER SURVEY
  - NEW STORMWATER (TO REPLACE EXISTING)
  - NEW STORMWATER (BRAND NEW/NO EXISTING)
  - EXISTING STORMWATER
  - NEW STORMWATER INLET HEADWALL
  - NEW STORMWATER OUTLET HEADWALL
  - NEW STORMWATER INLET DRIVABLE HEADWALL
  - NEW STORMWATER OUTLET DRIVABLE HEADWALL

- NOTES:**
1. GEOREFERENCED BACKGROUND IMAGES SUPPLIED BY CENTRAL COAST COUNCIL.
  2. WHERE REQUIRED, THE NEW GUARDRAIL MUST BE LOCATED AT THE EDGE OF SHOULDER WITHIN THE NEW VERGE.
  3. THE LAND ACQUISITION AND NEW FENCE IS REQUIRED TO ACHIEVE A MINIMUM CLEARANCE OF 3M FROM THE EDGE OF THE NEW ROAD BATTER.
  4. ALL DRIVEWAYS TO BE CONSTRUCTED AS PER TSD-R03 WITH PIPE CULVERT WHERE REQUIRED AT NEW TABLE DRAIN.
  5. ALL SIGHT DISTANCE BENCHING TO BE IN ACCORDANCE WITH AUSROADS AND AS INDICATED ON THE CROSS SECTIONS.



437 IRONCLIFFE ROAD  
TITLE REFERENCE: 168642/2

LAND ACQUISITION AREA ≈  
1381m<sup>2</sup>.  
NEW FENCE ON LAND  
ACQUISITION BOUNDARY

IRONCLIFFE ROAD

POLE (5.2m FROM CL) TO BE  
RELOCATED 2.5m WITHIN LAND  
ACQUISITION AREA

EXISTING 1800mm HIGH  
PALING FENCE (ENDING AT  
CH1231) TO BE REBUILT.

POLE WITH STAY WIRE  
(5.4m FROM CL) TO BE  
RELOCATED 2.5m  
WITHIN ACQUISITION

OLD SHEDS TO BE  
REMOVED. TREES TO  
BE CLEARED.

EXISTING WATER  
TANK TO REMAIN.

EXISTING GATE  
REDUNDANT. NOT TO  
BE REPLACED.

ADVISORY SIGNS  
W5-11A

TREES TO BE TRIMMED TO  
DESIRABLE 6.0m (MIN. 3.0m) FROM  
NEW POWER POLE ALIGNMENT.

EXISTING POST AND RAIL 'ENTRY'  
FENCES TO BE RECONFIGURED (TO  
BE DETERMINED ON SITE).

EXISTING DN90 PVC  
STORMWATER PIPE  
OUTLET TO REMAIN.

DIRECT PADDOCK RUNOFF  
INTO CULVERT INLET.

NEW FENCE LINE ON  
ROAD RESERVE.

POLE (4.7m FROM CL) TO  
BE RELOCATED 4.0m  
WITHIN LAND ACQUISITION  
AREA.

EXISTING DRIVEWAY  
CULVERT TO BE RETAINED  
(TBC).

REALIGN TABLE  
DRAIN

PROVIDE TABLE DRAIN SCOUR  
PROTECTION (NO FINES CONCRETE  
100mm THICK) FROM  
CH1240-CH1370.

RELOCATED FENCE 1.5m  
MINIMUM FROM FILL  
BATTER.

448 IRONCLIFFE ROAD  
TITLE REFERENCE: 157691/2

| REV | AMENDMENTS                                                     | DRAWN | DATE       | APPR. | THIS SHEET MAY BE PRINTED USING CCL CUR AND MAY BE INCOMPLETE IF CCPRD |
|-----|----------------------------------------------------------------|-------|------------|-------|------------------------------------------------------------------------|
| -   | -                                                              | -     | -          | -     | -                                                                      |
| E   | AMENDED AS PER CCC MARKUPS FROM 17/03/2025 & 23/04/2025        | GS    | 29/04/2025 | GCL   |                                                                        |
| D   | CCC COMMENTS-23/01/2025,05/02/2025,10/02/2025                  | GS    | 11/02/2025 | M.W   |                                                                        |
| C   | ISSUE FOR CONSTRUCTION                                         | GS/JC | 01/11/2024 | MW    |                                                                        |
| B   | LAYOUTS AMENDED WITH COMMENTS FROM CCC - 12/10/2024-17/10/2024 | GS    | 18/10/2024 | MW    |                                                                        |
| REV | AMENDMENTS                                                     | DRAWN | DATE       | APPR. |                                                                        |

DRAWING STATUS:  
**CONSTRUCTION**  
COORDINATE/ DATUM:  
**GDA2020**

DESIGNED: J.C  
REVIEWED: M.W  
DRAWN: J.C  
REVIEWED: A.W  
JOB MANAGER: MARK WESTERBERG  
ISSUED DATE: 2024-10-10

CLIENT: CENTRAL COAST COUNCIL  
PROJECT DESCRIPTION: IRONCLIFFE ROAD UPGRADE-SECTION 2  
ADDRESS: IRONCLIFFE ROAD, PENGUIN  
DRAWING TITLE: LAYOUT PLAN - SECTION 2  
SHEET 7 OF 29



**PDA**  
SURVEYORS, ENGINEERS & PLANNERS  
REGISTRATION NUMBER: ----

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Also at: Kingston,  
Launceston & Burnie

|              |            |         |
|--------------|------------|---------|
| CONTRACT NO. | SCALE      | PAPER   |
| ---          | 1 : 250    | (A1)    |
| JOB NUMBER   | DISCIPLINE | SHEET   |
| 51259MW      | - C -      | 118 - E |

## LEGEND:

|  |                                             |
|--|---------------------------------------------|
|  | CADASTRAL BOUNDARY                          |
|  | SURVEYED EXISTING ROAD                      |
|  | DESIGN EXISTING ROAD EDGE FOR ROAD WIDENING |
|  | WIDENED ROAD EDGE                           |
|  | NEW SHOULDER                                |
|  | NEW VERGE AND GUARDRAIL                     |
|  | NEW TABLE DRAIN                             |
|  | NEW ROAD BATTER                             |
|  | EXISTING ROAD (SINGLE SEAL)                 |
|  | NEW ROAD (2 COAT SEAL)                      |
|  | NEW ROAD WIDENING (2 COAT SEAL)             |
|  | NEW GRAVEL FARM ACCESS                      |
|  | EXISTING TELSTRA COMMS SERVICE              |
|  | EXISTING RIVERS, STREAMS, CREEKS            |
|  | EXISTING ELECTRICAL                         |
|  | EXISTING FENCE                              |
|  | NEW FENCE                                   |
|  | SIGHT DISTANCE BENCHING / VEG CLEARING      |
|  | LAND ACQUISITION / NEW PROP BOUNDARY        |
|  | EXISTING SIGN/POLE AS PER SURVEY            |
|  | NEW STORMWATER (TO REPLACE EXISTING)        |
|  | NEW STORMWATER (BRAND NEW/NO EXISTING)      |
|  | EXISTING STORMWATER                         |
|  | NEW STORMWATER INLET HEADWALL               |
|  | NEW STORMWATER OUTLET HEADWALL              |
|  | NEW STORMWATER INLET DRIVABLE HEADWALL      |
|  | NEW STORMWATER OUTLET DRIVABLE HEADWALL     |

## NOTES:

1. GEOREFERENCED BACKGROUND IMAGES SUPPLIED BY CENTRAL COAST COUNCIL.
2. WHERE REQUIRED, THE NEW GUARDRAIL MUST BE LOCATED AT THE EDGE OF SHOULDER WITHIN THE NEW VERGE.
3. THE LAND ACQUISITION AND NEW FENCE IS REQUIRED TO ACHIEVE A MINIMUM CLEARANCE OF 3M FROM THE EDGE OF THE NEW ROAD BATTER.
4. ALL DRIVEWAYS TO BE CONSTRUCTED AS PER TSD-R03 WITH PIPE CULVERT WHERE REQUIRED AT NEW TABLE DRAIN.
5. ALL SIGHT DISTANCE BENCHING TO BE IN ACCORDANCE WITH AUSROADS AND AS INDICATED ON THE CROSS SECTIONS.



463 IRONCLIFFE ROAD  
TITLE REFERENCE: 239920/2

| PI 11               |                 |
|---------------------|-----------------|
| CHAINAGE            | 1459.423        |
| X                   | 419671.615      |
| Y                   | 5445464.728     |
| RADIUS              | 500             |
| CURVE LENGTH        | 147             |
| REDUCED SPEED       | NONE            |
| GUIDE POSTS OUTSIDE | 17 (30 SPACING) |
| GUIDE POSTS INSIDE  | 9 (60 SPACING)  |

LAND ACQUISITION AREA ≈  
341m<sup>2</sup>  
NEW FENCE LINE ON LAND  
ACQUISITION BOUNDARY

ADVISORY SIGNS -  
W1-5A(R)  
W1-3A(R)

GUARDRAIL TO BE  
INSTALLED ON EXISTING  
ROAD SHOULDER. EXISTING  
FENCE TO BE RETAINED.

| PI 12               |                 |
|---------------------|-----------------|
| CHAINAGE            | 1459.423        |
| X                   | 419557.139      |
| Y                   | 5445505.886     |
| RADIUS              | 450             |
| CURVE LENGTH        | 85              |
| REDUCED SPEED       | NONE            |
| GUIDE POSTS OUTSIDE | 15 (30 SPACING) |
| GUIDE POSTS INSIDE  | 8 (60 SPACING)  |

EXISTING FENCE  
TO BE RETAINED

EXISTING  
CULVERT TO BE  
REMOVED.

NEW FENCE  
LINE WITHIN  
ROAD RESERVE.

464 IRONCLIFFE ROAD  
TITLE REFERENCE: 77254/1

POLE WITH STAY  
7.9m FROM CL. TO BE  
RELOCATED 2.5m.

NEW FENCE LINE  
ON ROAD  
RESERVE.

| REV | AMENDMENTS                                                     | DRAWN | DATE       | APPR | DRAWING STATUS:                                                        | DESIGNED: | REVIEWED: | CLIENT:                                                                                                                                                                                       | PROJECT DESCRIPTION:              | ADDRESS:                 | DRAWING TITLE:          | REGISTRATION NUMBER:  | CONTRACT NO. | SCALE   | PAPER |
|-----|----------------------------------------------------------------|-------|------------|------|------------------------------------------------------------------------|-----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------|-------------------------|-----------------------|--------------|---------|-------|
| E   | AMENDED AS PER CCC MARKUPS FROM 17/03/2025 & 23/04/2025        | GS    | 29/04/2025 | GCL  | <b>CONSTRUCTION</b>                                                    | J.C       | M.W       | CENTRAL COAST COUNCIL                                                                                                                                                                         | IRONCLIFFE ROAD UPGRADE-SECTION 2 | IRONCLIFFE ROAD, PENGUIN | LAYOUT PLAN - SECTION 2 | 51259MW - C - 119 - E | ---          | 1 : 250 | (A1)  |
| D   | CCC COMMENTS-23/01/2025,05/02/2025,10/02/2025                  | G.S   | 11/02/2025 | M.W  | COORDINATE/ DATUM:<br><b>GDA2020</b>                                   | J.C       | A.W       | 127 Bathurst Street<br>Hobart, Tasmania, 7000<br>PHONE: +61 03 6234 3217<br>FAX: +61 03 6234 5085<br>EMAIL: pda.hbt@pda.com.au<br>www.pda.com.au<br>Also at: Kingston,<br>Launceston & Burnie | IRONCLIFFE ROAD UPGRADE-SECTION 2 | IRONCLIFFE ROAD, PENGUIN | LAYOUT PLAN - SECTION 2 | 51259MW - C - 119 - E | ---          | 1 : 250 | (A1)  |
| C   | ISSUE FOR CONSTRUCTION                                         | GS/JC | 01/11/2024 | MW   | JOB MANAGER: MARK WESTERBERG                                           | J.C       | A.W       | ---                                                                                                                                                                                           | ---                               | ---                      | ---                     | ---                   | ---          | ---     | ---   |
| B   | LAYOUTS AMENDED WITH COMMENTS FROM CCC - 12/10/2024-17/10/2024 | GS    | 18/10/2024 | MW   | ISSUED DATE: 2024-10-10                                                | J.C       | A.W       | ---                                                                                                                                                                                           | ---                               | ---                      | ---                     | ---                   | ---          | ---     | ---   |
| REV | AMENDMENTS                                                     | DRAWN | DATE       | APPR | THIS SHEET MAY BE PRINTED USING CCLCLR.A1D MAY BE INCOMPLETE IF CCLPRD | J.C       | A.W       | ---                                                                                                                                                                                           | ---                               | ---                      | ---                     | ---                   | ---          | ---     | ---   |

## LEGEND:

|  |                                             |
|--|---------------------------------------------|
|  | CADASTRAL BOUNDARY                          |
|  | SURVEYED EXISTING ROAD                      |
|  | DESIGN EXISTING ROAD EDGE FOR ROAD WIDENING |
|  | WIDENED ROAD EDGE                           |
|  | NEW SHOULDER                                |
|  | NEW VERGE AND GUARDRAIL                     |
|  | NEW TABLE DRAIN                             |
|  | NEW ROAD BATTER                             |
|  | EXISTING ROAD (SINGLE SEAL)                 |
|  | NEW ROAD (2 COAT SEAL)                      |
|  | NEW ROAD WIDENING (2 COAT SEAL)             |
|  | NEW GRAVEL FARM ACCESS                      |
|  | EXISTING TELSTRA COMMS SERVICE              |
|  | EXISTING RIVERS, STREAMS, CREEKS            |
|  | EXISTING ELECTRICAL                         |
|  | EXISTING FENCE                              |
|  | NEW FENCE                                   |
|  | SIGHT DISTANCE BENCHING / VEG CLEARING      |
|  | LAND ACQUISITION / NEW PROP BOUNDARY        |
|  | EXISTING SIGN/POLE AS PER SURVEY            |
|  | NEW STORMWATER (TO REPLACE EXISTING)        |
|  | NEW STORMWATER (BRAND NEW/NO EXISTING)      |
|  | EXISTING STORMWATER                         |
|  | NEW STORMWATER INLET HEADWALL               |
|  | NEW STORMWATER OUTLET HEADWALL              |
|  | NEW STORMWATER INLET DRIVABLE HEADWALL      |
|  | NEW STORMWATER OUTLET DRIVABLE HEADWALL     |

## NOTES:

1. GEOREFERENCED BACKGROUND IMAGES SUPPLIED BY CENTRAL COAST COUNCIL.
2. WHERE REQUIRED, THE NEW GUARDRAIL MUST BE LOCATED AT THE EDGE OF SHOULDER WITHIN THE NEW VERGE.
3. THE LAND ACQUISITION AND NEW FENCE IS REQUIRED TO ACHIEVE A MINIMUM CLEARANCE OF 3M FROM THE EDGE OF THE NEW ROAD BATTER.
4. ALL DRIVEWAYS TO BE CONSTRUCTED AS PER TSD-R03 WITH PIPE CULVERT WHERE REQUIRED AT NEW TABLE DRAIN.
5. ALL SIGHT DISTANCE BENCHING TO BE IN ACCORDANCE WITH AUSROADS AND AS INDICATED ON THE CROSS SECTIONS.



| PI 13               |                 |
|---------------------|-----------------|
| CHAINAGE            | 1459.423        |
| X                   | 419557.139      |
| Y                   | 5445505.886     |
| RADIUS              | 450             |
| CURVE LENGTH        | 85              |
| REDUCED SPEED       | NONE            |
| GUIDE POSTS OUTSIDE | 15 (30 SPACING) |
| GUIDE POSTS INSIDE  | 8 (60 SPACING)  |

LAND ACQUISITION AREA  $\approx 2136m^2$ .  
CLEARING AND NEW FENCE ON  
LAND ACQUISITION BOUNDARY

509 IRONCLIFFE ROAD  
TITLE REFERENCE: 169918/1

VISIBILITY BENCHING:  
DESIGN SPEED - 70km/hr  
CURVE RADIUS - 92m  
AS PER AGRD03 - TABLE 5.5 AND  
FIGURE 5.4:  
SIGHT DISTANCE REQUIRED - 90m  
LATERAL OFFSET TO OBSTRUCTION  
FROM CENTRE OF LHS LANE - 11.0m

ADVISORY SIGNS -  
W1-3A(L)  
W2-10A(L)  
W8-2A(55)

POLE - 4.8m FROM CL

EXISTING FENCE  
TO BE RETAINED

EXISTING  
CULVERT TO BE  
REMOVED.

ADVISORY SIGN -  
W1-3A(L)

464 IRONCLIFFE ROAD  
TITLE REFERENCE: 77254/1

GUARDRAIL TO BE  
INSTALLED ON EXISTING  
ROAD SHOULDER AND  
EXISTING FENCE TO BE  
RETAINED.

| REV | AMENDMENTS                                                     | DRAWN | DATE       | APPR | DRAWING STATUS:     |
|-----|----------------------------------------------------------------|-------|------------|------|---------------------|
| E   | AMENDED AS PER CCC MARKUPS FROM 17/03/2025 & 23/04/2025        | GS    | 29/04/2025 | GCL  | <b>CONSTRUCTION</b> |
| D   | CCC COMMENTS-23/01/2025,05/02/2025,10/02/2025                  | GS    | 11/02/2025 | M.W. |                     |
| C   | ISSUE FOR CONSTRUCTION                                         | GS/JC | 01/11/2024 | MW   |                     |
| B   | LAYOUTS AMENDED WITH COMMENTS FROM CCC - 12/10/2024-17/10/2024 | GS    | 18/10/2024 | MW   | <b>GDA2020</b>      |
| REV | AMENDMENTS                                                     | DRAWN | DATE       | APPR |                     |

|              |                 |           |      |
|--------------|-----------------|-----------|------|
| DESIGNED:    | J.C             | REVIEWED: | M.W. |
| DRAWN:       | J.C             | REVIEWED: | A.W. |
| JCB MANAGER: | MARK WESTERBERG |           |      |
| ISSUED DATE: | 2024-10-10      |           |      |

|                      |                                   |  |  |
|----------------------|-----------------------------------|--|--|
| CLIENT:              | CENTRAL COAST COUNCIL             |  |  |
| PROJECT DESCRIPTION: | IRONCLIFFE ROAD UPGRADE-SECTION 2 |  |  |
| ADDRESS:             | IRONCLIFFE ROAD, PENGUIN          |  |  |
| DRAWING TITLE:       | LAYOUT PLAN - SECTION 2           |  |  |
|                      | SHEET 9 OF 29                     |  |  |



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|                       |     |         |          |
|-----------------------|-----|---------|----------|
| CONTRACT NO.          | --- | SCALE   | PAPER    |
| JOB NUMBER            | --- | 1 : 250 | (A1)     |
| DISCIPLINE            | --- | SHEET   | REVISION |
| 51259MW - C - 120 - E |     |         |          |

- LEGEND:**
- CADASTRAL BOUNDARY
  - SURVEYED EXISTING ROAD
  - DESIGN EXISTING ROAD EDGE FOR ROAD WIDENING
  - WIDENED ROAD EDGE
  - NEW SHOULDER
  - NEW VERGE AND GUARDRAIL
  - NEW TABLE DRAIN
  - NEW ROAD BATTER
  - EXISTING ROAD (SINGLE SEAL)
  - NEW ROAD (2 COAT SEAL)
  - NEW ROAD WIDENING (2 COAT SEAL)
  - NEW GRAVEL FARM ACCESS
  - EXISTING TELSTRA COMMS SERVICE
  - EXISTING RIVERS, STREAMS, CREEKS
  - EXISTING ELECTRICAL
  - EXISTING FENCE
  - NEW FENCE
  - SIGHT DISTANCE BENCHING / VEG CLEARING
  - LAND ACQUISITION / NEW PROP BOUNDARY
  - EXISTING SIGN/POLE AS PER SURVEY
  - NEW STORMWATER (TO REPLACE EXISTING)
  - NEW STORMWATER (BRAND NEW/NO EXISTING)
  - EXISTING STORMWATER
  - NEW STORMWATER INLET HEADWALL
  - NEW STORMWATER OUTLET HEADWALL
  - NEW STORMWATER INLET DRIVABLE HEADWALL
  - NEW STORMWATER OUTLET DRIVABLE HEADWALL

- NOTES:**
1. GEOREFERENCED BACKGROUND IMAGES SUPPLIED BY CENTRAL COAST COUNCIL.
  2. WHERE REQUIRED, THE NEW GUARDRAIL MUST BE LOCATED AT THE EDGE OF SHOULDER WITHIN THE NEW VERGE.
  3. THE LAND ACQUISITION AND NEW FENCE IS REQUIRED TO ACHIEVE A MINIMUM CLEARANCE OF 3M FROM THE EDGE OF THE NEW ROAD BATTER.
  4. ALL DRIVEWAYS TO BE CONSTRUCTED AS PER TSD-R03 WITH PIPE CULVERT WHERE REQUIRED AT NEW TABLE DRAIN.
  5. ALL SIGHT DISTANCE BENCHING TO BE IN ACCORDANCE WITH AUSROADS AND AS INDICATED ON THE CROSS SECTIONS.



LAND ACQUISITION AREA  $\approx 2136m^2$ .  
CLEARING AND NEW FENCE ON  
LAND ACQUISITION BOUNDARY

**VISIBILITY BENCHING:**  
DESIGN SPEED - 70km/hr  
CURVE RADIUS - 92m  
AS PER AGRD03 - TABLE 5.5 AND FIGURE 5.4:  
SIGHT DISTANCE REQUIRED - 90m  
LATERAL OFFSET TO OBSTRUCTION FROM  
CENTRE OF LHS LANE - 11.0m

LOT 2  
IRONCLIFFE ROAD  
TITLE  
REFERENCE:  
169918/2  
OWNER-DPIPWE

TITLE REFERENCE: 9981/1

"STOP" SIGN  
(R1-1A)

TELSTRA PIT  
(8.3m FROM CL) TO  
BE RELOCATED.

STOP (SL) LINE.

| PI 14               |                |
|---------------------|----------------|
| CHAINAGE            | 1805.803       |
| X                   | 419390.651     |
| Y                   | 5445665.994    |
| RADIUS              | 92             |
| CURVE LENGTH        | 92             |
| REDUCED SPEED       | 60 km/h        |
| GUIDE POSTS OUTSIDE | 15 (6 SPACING) |
| GUIDE POSTS INSIDE  | 8 (12 SPACING) |

509 IRONCLIFFE ROAD  
TITLE REFERENCE: 50095/1

LAND ACQUISITION AREA  $\approx 650m^2$ .  
CLEARING AND NEW FENCE ON  
LAND ACQUISITION BOUNDARY

POLE WITH STAY WIRE  
(7.6m FROM CL) TO BE  
RELOCATED 3.0m.

EXISTING FENCE TO  
BE RETAINED

PROVIDE GUARDRAIL  
END TREATMENT.

| PI 15               |                 |
|---------------------|-----------------|
| CHAINAGE            | 1964.047        |
| X                   | 419232.730      |
| Y                   | 5445609.698     |
| RADIUS              | 200             |
| CURVE LENGTH        | 61              |
| REDUCED SPEED       | NONE            |
| GUIDE POSTS OUTSIDE | 13 (15 SPACING) |
| GUIDE POSTS INSIDE  | 7 (30 SPACING)  |

IRONCLIFFE ROAD

ADVISORY SIGNS -  
W1-3A(R)  
W2-4A(R)  
W8-2A(55)

EXISTING FENCE  
TO BE RETAINED

PROVIDE GUARDRAIL  
END TREATMENT.

509 IRONCLIFFE ROAD  
TITLE REFERENCE: 50838/1

PI 14

| REV | AMENDMENTS                                                     | DRAWN | DATE       | APPR | DRAWING STATUS:                                                          | DESIGNED: | REVIEWED: | CLIENT:               | PROJECT DESCRIPTION:              | ADDRESS:                 | DRAWING TITLE:          | ISSUED DATE: | CONTRACT NO. | SCALE   | PAPER |
|-----|----------------------------------------------------------------|-------|------------|------|--------------------------------------------------------------------------|-----------|-----------|-----------------------|-----------------------------------|--------------------------|-------------------------|--------------|--------------|---------|-------|
| E   | AMENDED AS PER CCC MARKUPS FROM 17/03/2025 & 23/04/2025        | GS    | 29/04/2025 | GCL  | <b>CONSTRUCTION</b>                                                      | J.C       | M.W       | CENTRAL COAST COUNCIL | IRONCLIFFE ROAD UPGRADE-SECTION 2 | IRONCLIFFE ROAD, PENGUIN | LAYOUT PLAN - SECTION 2 | 2024-10-10   | ---          | 1 : 250 | (A1)  |
| D   | CCC COMMENTS-23/01/2025,05/02/2025,10/02/2025                  | GS    | 11/02/2025 | M.W  | COORDINATE/ DATUM:                                                       | J.C       | A.W       |                       |                                   |                          |                         |              |              |         |       |
| C   | ISSUE FOR CONSTRUCTION                                         | GS/JC | 01/11/2024 | MW   | <b>GDA2020</b>                                                           |           |           |                       |                                   |                          |                         |              |              |         |       |
| B   | LAYOUTS AMENDED WITH COMMENTS FROM CCC - 12/10/2024-17/10/2024 | GS    | 18/10/2024 | MW   |                                                                          |           |           |                       |                                   |                          |                         |              |              |         |       |
| REV | AMENDMENTS                                                     | DRAWN | DATE       | APPR | THIS SHEET MAY BE PRINTED USING CCLCULAR A10 MAY BE INCOMPLETE IF COPIED |           |           |                       |                                   |                          |                         |              |              |         |       |

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www.pda.com.au  
Also at: Kingston,  
Launceston & Burnie

REGISTRATION NUMBER: ---

51259MW - C - 121 - E