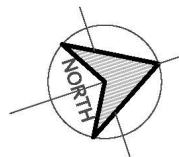
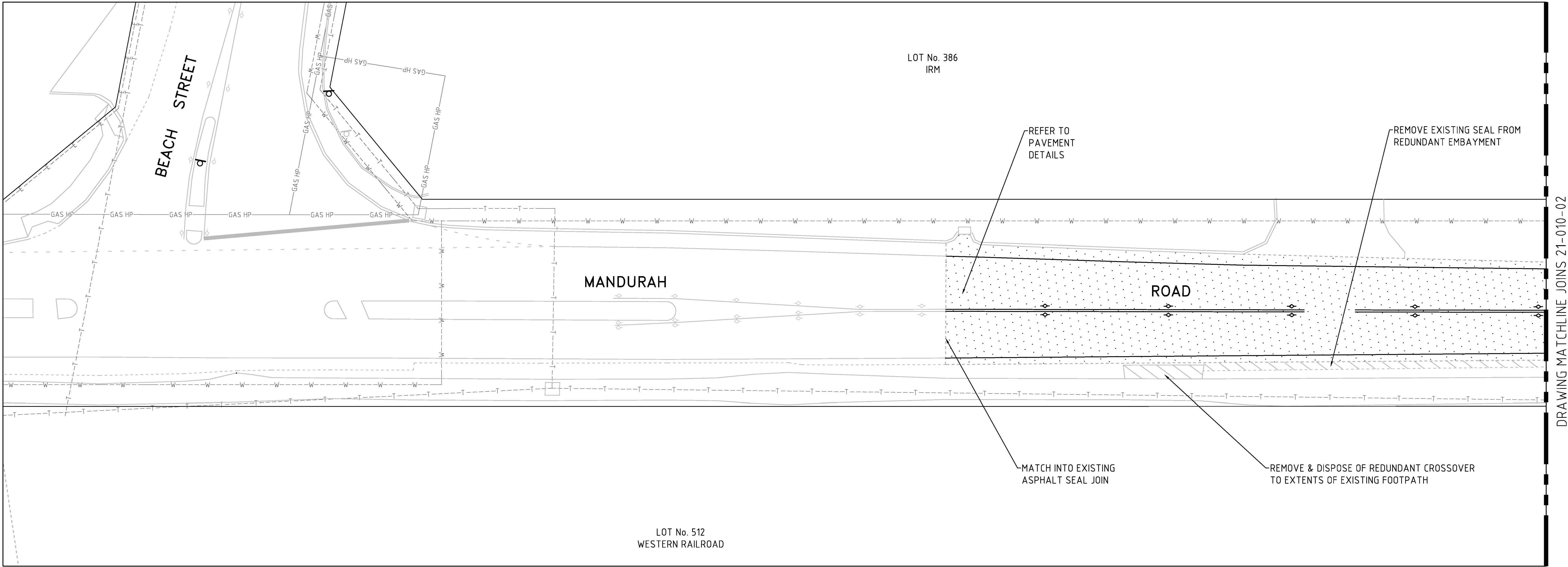


 LOCALITY PLAN

PAVEMENT REHABILITATION  
MANDURAH ROAD  
VICINITY OF BEACH STREET  
SLK 1.22 TO SLK 1.43  
KWINANA BEACH



| ENGINEERING | DRAWING | SCHEDULE                        |
|-------------|---------|---------------------------------|
| DWG         | REV     | TITLE                           |
| 21-010-00   | 0       | COVER SHEET                     |
| 21-010-01   | 0       | LAYOUT PLAN & GENERAL DETAILS   |
| 21-010-02   | 0       | LAYOUT PLAN & GENERAL DETAILS   |
| 21-010-03   | 0       | LINE MARKING REINSTATEMENT PLAN |
| 21-010-04   | 0       | LINE MARKING REINSTATEMENT PLAN |



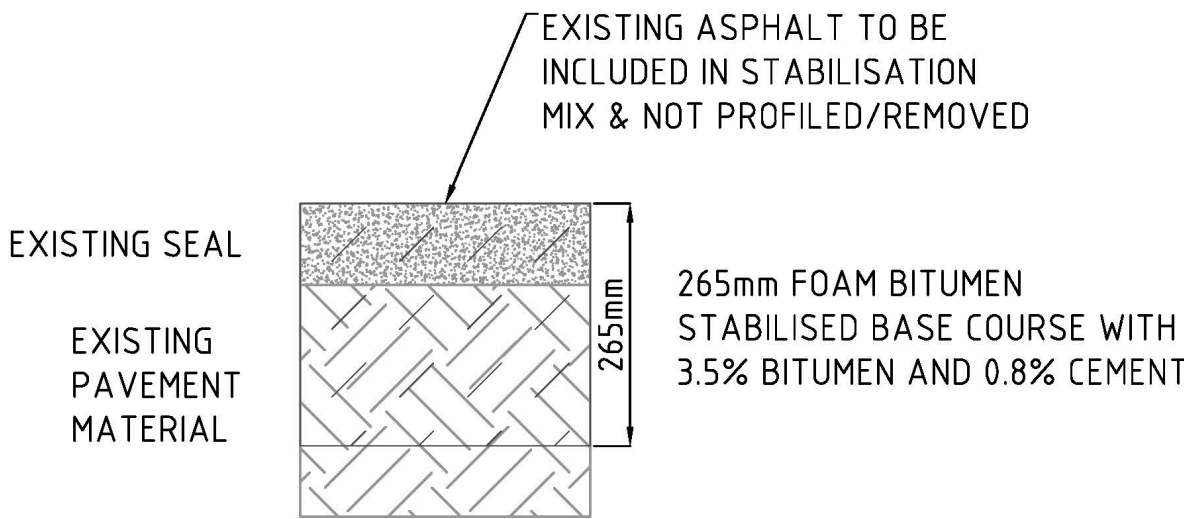
MANDURAH ROAD – LAYOUT PLAN  
1:200 (A1) 1:400 (A3)

STABILISATION METHODOLOGY

- 1. STABILISE TO A DEPTH OF 265mm, INCORPORATING THE EXISTING ASPHALT WEARING COURSE INTO THE MIX.
- 2. TRIM AND COMPACT STABILISED PAVEMENT MATERIAL. FINISHED LEVEL TO BE 40mm LESS THAN EXISTING SEAL LEVEL TO ALLOW FOR PROPOSED WEARING COURSE THICKNESS. RESULTING STABILISED MATERIAL THICKNESS WILL BE 225mm. EXCESS MATERIAL TO BE REMOVED FROM SITE AS DIRECTED BY THE CITY'S SUPERINTENDENT.
- 3. SEE BELOW DETAILS FOR FURTHER CLARIFICATION.

DRAWING LEGEND

- PROPOSED AREA TO BE REHABILITATED AS PER DETAILS
- PROPOSED CONCRETE/ASPHALT SEAL TO BE REMOVED
- PROPOSED EDGE OF SEAL
- EXISTING PROPERTY BOUNDARY
- EXISTING KERBING
- EXISTING TELECOMMUNICATIONS SERVICE
- EXISTING WATER SERVICE
- EXISTING HIGH PRESSURE GAS SERVICE
- EXISTING POWER SERVICE
- PROPOSED LINE MARKING



STABILISATION DETAIL



FINISHED PAVEMENT DETAIL

NOTES:

- 1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 2. CONTRACTOR TO OBTAIN DIAL BEFORE YOU DIG INFORMATION AND LOCATE SERVICES ON SITE PRIOR TO CONSTRUCTION.
- 3. ALL TRANSITIONS TO EXISTING WORK SHALL BE SMOOTH AND OF NEAT APPEARANCE.

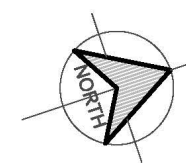
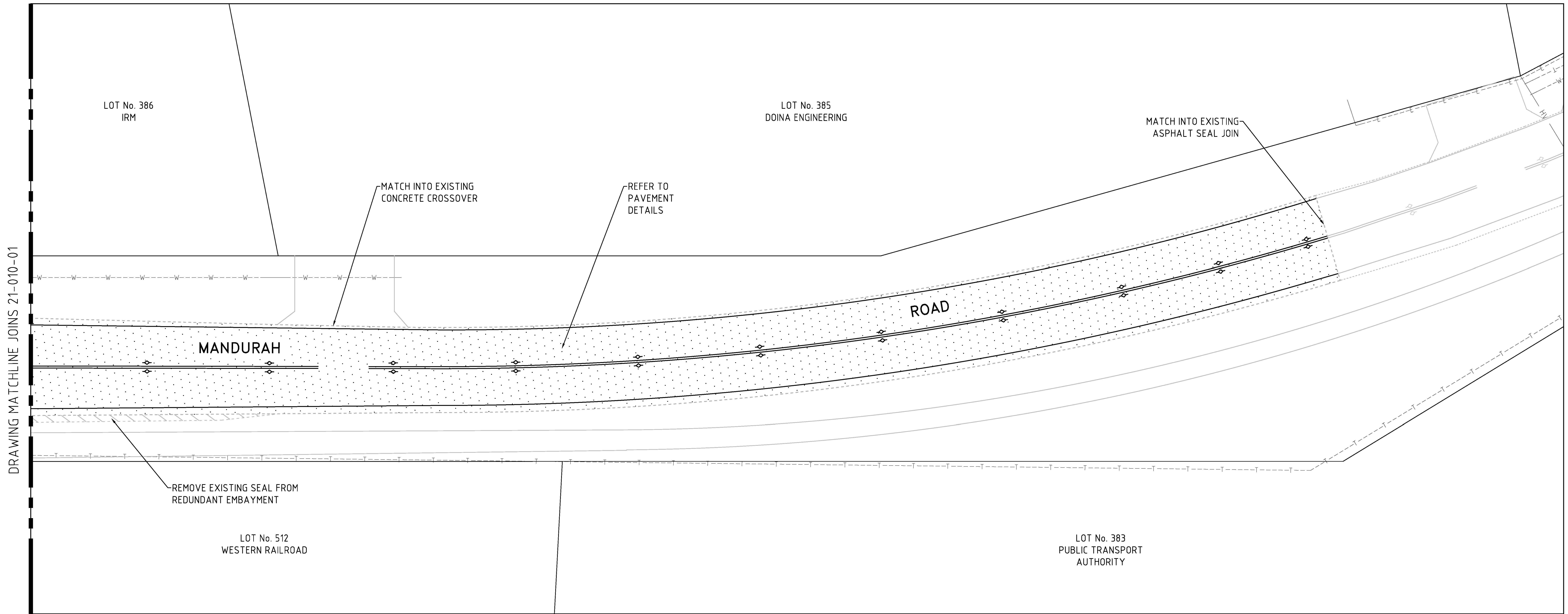
SCHEDULE OF QUANTITIES:

TOTAL AREA OF PROPOSED:  
- AREA TO BE STABILISED AND RESURFACED AS PER DETAILS ≈1,720m<sup>2</sup>



|  |                      |  |       |                       |   |  |   |                            |  |                      |                     |                     |                      |  |  |  |  |  |                       |  |                                    |                      |
|--|----------------------|--|-------|-----------------------|---|--|---|----------------------------|--|----------------------|---------------------|---------------------|----------------------|--|--|--|--|--|-----------------------|--|------------------------------------|----------------------|
|  |                      |  |       | ASSOCIATE CONSULTANT: |  | PROJECT:<br><b>MANDURAH ROAD PAVEMENT REHABILITATION<br/>VICINITY OF BEACH STREET – SLK 1.22 TO 1.43</b> | <table><tr><td colspan="2">SCALE<br/><b>1:200 (A1)</b></td></tr><tr><td>DESIGN<br/><b>R.Z</b></td><td>CHECK<br/><b>R.Z</b></td></tr><tr><td>DRAWN<br/><b>J.M</b></td><td>DATE<br/><b>07/19</b></td></tr><tr><td colspan="2">AUTHORISED (MANAGER ENGINEERING SERVICES)<br/><b>R.NAJAFZADEH</b></td></tr></table> | SCALE<br><b>1:200 (A1)</b> |  | DESIGN<br><b>R.Z</b> | CHECK<br><b>R.Z</b> | DRAWN<br><b>J.M</b> | DATE<br><b>07/19</b> | AUTHORISED (MANAGER ENGINEERING SERVICES)<br><b>R.NAJAFZADEH</b> |  | <table><tr><td colspan="2">DRAWING TITLE<br/><b>LAYOUT PLAN<br/>&amp; GENERAL DETAILS<br/>SHEET ONE OF TWO</b></td></tr><tr><td colspan="2">FILE NO. <b>MANDU</b></td></tr><tr><td>DRAWING NUMBER<br/><b>21-010-01</b></td><td>REVISION<br/><b>0</b></td></tr></table> | DRAWING TITLE<br><b>LAYOUT PLAN<br/>&amp; GENERAL DETAILS<br/>SHEET ONE OF TWO</b> |  | FILE NO. <b>MANDU</b> |  | DRAWING NUMBER<br><b>21-010-01</b> | REVISION<br><b>0</b> |
| SCALE<br><b>1:200 (A1)</b>   |                      |  |       |                       |   |  |   |                            |  |                      |                     |                     |                      |  |  |  |  |  |                       |  |                                    |                      |
| DESIGN<br><b>R.Z</b>   | CHECK<br><b>R.Z</b>  |  |       |                       |   |  |   |                            |  |                      |                     |                     |                      |  |  |  |  |  |                       |  |                                    |                      |
| DRAWN<br><b>J.M</b>  | DATE<br><b>07/19</b> |  |       |                       |   |  |   |                            |  |                      |                     |                     |                      |  |  |  |  |  |                       |  |                                    |                      |
| AUTHORISED (MANAGER ENGINEERING SERVICES)<br><b>R.NAJAFZADEH</b>                   |                      |  |       |                       |   |  |   |                            |  |                      |                     |                     |                      |  |  |  |  |  |                       |  |                                    |                      |
| DRAWING TITLE<br><b>LAYOUT PLAN<br/>&amp; GENERAL DETAILS<br/>SHEET ONE OF TWO</b> |                      |  |       |                       |   |  |   |                            |  |                      |                     |                     |                      |  |  |  |  |  |                       |  |                                    |                      |
| FILE NO. <b>MANDU</b>  |                      |  |       |                       |   |  |   |                            |  |                      |                     |                     |                      |  |  |  |  |  |                       |  |                                    |                      |
| DRAWING NUMBER<br><b>21-010-01</b>   | REVISION<br><b>0</b> |  |       |                       |   |  |   |                            |  |                      |                     |                     |                      |  |  |  |  |  |                       |  |                                    |                      |
| 0  | 11/19                | ISSUED FOR CONSTRUCTION                                    | J.M   |                       |   |  |   |                            |  |                      |                     |                     |                      |  |  |  |  |  |                       |  |                                    |                      |
| B  | 07/19                | PAVEMENT DESIGN PROFILE & CONSTRUCTION METHODOLOGY AMENDED | J.M   |                       |   |  |   |                            |  |                      |                     |                     |                      |  |  |  |  |  |                       |  |                                    |                      |
| A  | 07/19                | ISSUED FOR COMMENT   | J.M   |                       |   |  |   |                            |  |                      |                     |                     |                      |  |  |  |  |  |                       |  |                                    |                      |
| REV  | DATE                 | DESCRIPTION  | DRAWN |                       |   |  |   |                            |  |                      |                     |                     |                      |  |  |  |  |  |                       |  |                                    |                      |





## MANDURAH ROAD – LAYOUT PLAN

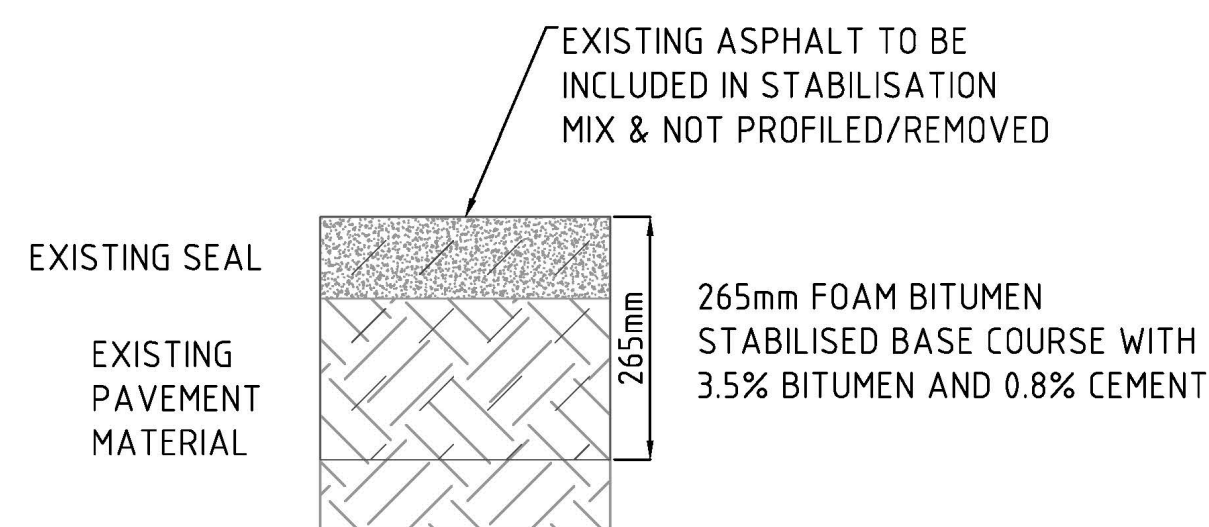
1:200 (A1) 1:400 (A3)

### STABILISATION METHODOLOGY

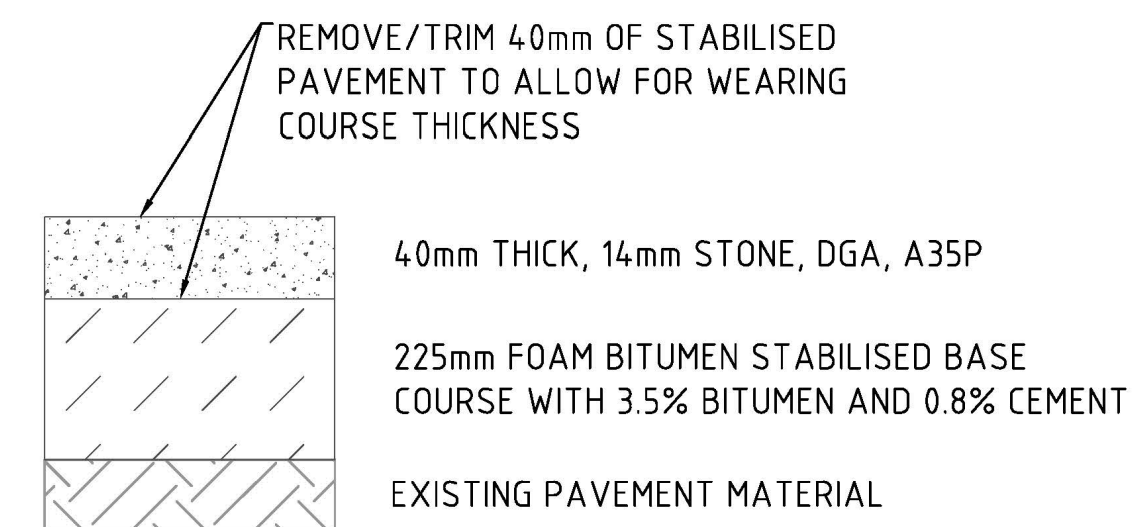
1. STABILISE TO A DEPTH OF 265mm, INCORPORATING THE EXISTING ASPHALT WEARING COURSE INTO THE MIX.
2. TRIM AND COMPACT STABILISED PAVEMENT MATERIAL. FINISHED LEVEL TO BE 40mm LESS THAN EXISTING SEAL LEVEL TO ALLOW FOR PROPOSED WEARING COURSE THICKNESS. RESULTING STABILISED MATERIAL THICKNESS WILL BE 225mm. EXCESS MATERIAL TO BE REMOVED FROM SITE AS DIRECTED BY THE CITY'S SUPERINTENDENT.
3. SEE BELOW DETAILS FOR FURTHER CLARIFICATION.

### DRAWING LEGEND

|  |  |
|--|--|
|  | PROPOSED AREA TO BE REHABILITATED AS PER DETAILS |
|  | PROPOSED CONCRETE/ASPHALT SEAL TO BE REMOVED     |
|  | PROPOSED EDGE OF SEAL                            |
|  | EXISTING PROPERTY BOUNDARY                       |
|  | EXISTING KERBING                                 |
|  | EXISTING TELECOMMUNICATIONS SERVICE              |
|  | EXISTING WATER SERVICE                           |
|  | EXISTING HIGH PRESSURE GAS SERVICE               |
|  | EXISTING POWER SERVICE                           |
|  | PROPOSED LINE MARKING                            |



### STABILISATION DETAIL



### FINISHED PAVEMENT DETAIL

### NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
2. CONTRACTOR TO OBTAIN DIAL BEFORE YOU DIG INFORMATION AND LOCATE SERVICES ON SITE PRIOR TO CONSTRUCTION.
3. ALL TRANSITIONS TO EXISTING WORK SHALL BE SMOOTH AND OF NEAT APPEARANCE.

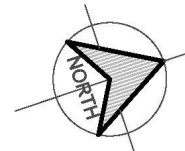
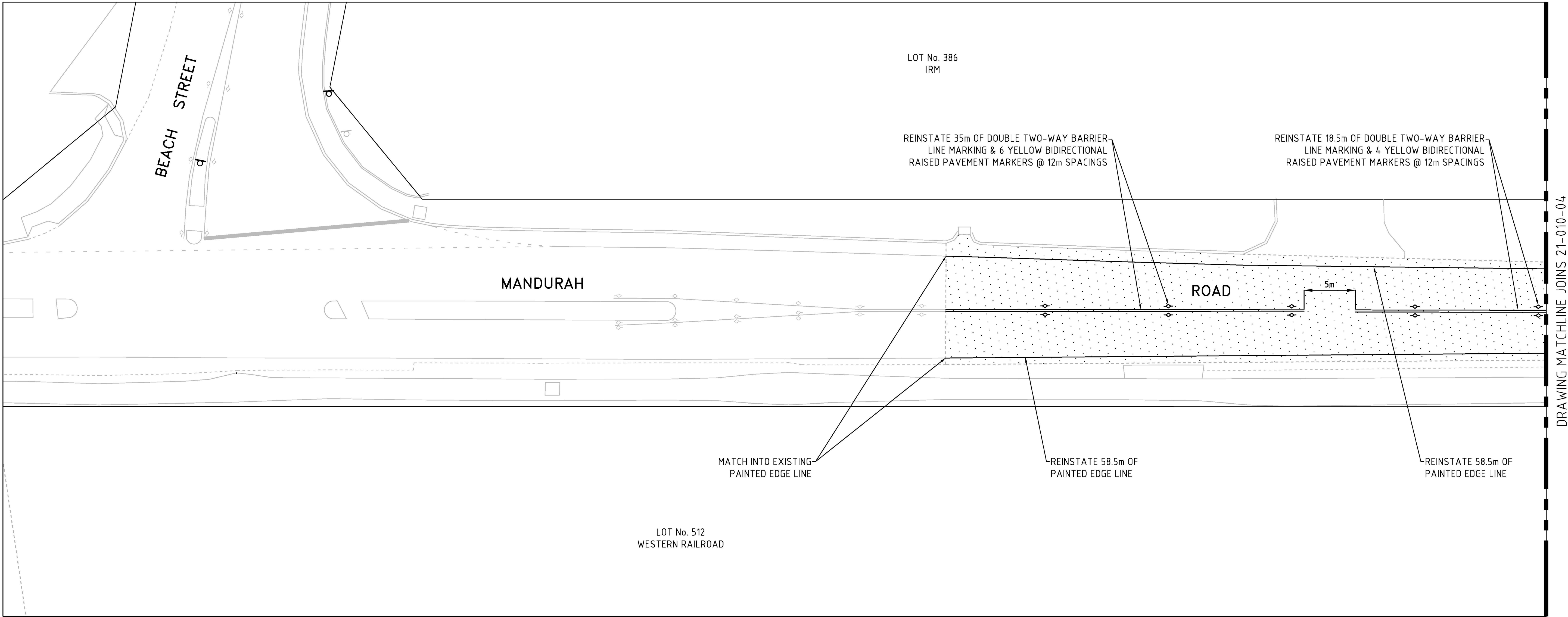
### SCHEDULE OF QUANTITIES:

TOTAL AREA OF PROPOSED:  
- AREA TO BE STABILISED AND RESURFACED AS PER DETAILS =1,720m<sup>2</sup>



|  |                          |  |       |                       |   |   |  |        |     |       |     |       |     |      |       |   |  |  |                       |  |  |                          |
|--|--------------------------|--|-------|-----------------------|---|---|--|--------|-----|-------|-----|-------|-----|------|-------|---|--|--|-----------------------|--|--|--------------------------|
|  |                          |  |       | ASSOCIATE CONSULTANT: |  | <b>PROJECT:</b><br><b>MANDURAH ROAD PAVEMENT REHABILITATION</b><br><b>VICINITY OF BEACH STREET – SLK 1.22 TO 1.43</b><br><br><b>PHONE:</b> (08) 9439 0200 <b>ADDRESS:</b> Cnr Gilmore Avenue and Sulphur Road, Kwinana WA 6167<br><b>FAX:</b> (08) 9439 0222<br><b>EMAIL:</b> admin@kwinana.wa.gov.au<br><b>WEB:</b> http://www.kwinana.wa.gov.au | <b>SCALE:</b> 1:200 (A1)<br><table><tr><td>DESIGN</td><td>R.Z</td><td>CHECK</td><td>R.Z</td></tr><tr><td>DRAWN</td><td>J.M</td><td>DATE</td><td>07/19</td></tr></table><br><b>AUTHORISED (MANAGER ENGINEERING SERVICES)</b><br><br><i>R.NAJAFZADEH</i> | DESIGN | R.Z | CHECK | R.Z | DRAWN | J.M | DATE | 07/19 | <table><tr><td colspan="2"><b>DRAWING TITLE</b><br/><br/>LAYOUT PLAN<br/>&amp; GENERAL DETAILS<br/>SHEET TWO OF TWO</td></tr><tr><td colspan="2"><b>FILE NO.</b> MANDU</td></tr><tr><td><b>DRAWING NUMBER</b><br/><br/>21-010-02</td><td><b>REVISION</b><br/><br/>0</td></tr></table> | <b>DRAWING TITLE</b><br><br>LAYOUT PLAN<br>& GENERAL DETAILS<br>SHEET TWO OF TWO |  | <b>FILE NO.</b> MANDU |  | <b>DRAWING NUMBER</b><br><br>21-010-02 | <b>REVISION</b><br><br>0 |
| DESIGN   | R.Z                      | CHECK  | R.Z   |                       |   |   |  |        |     |       |     |       |     |      |       |   |  |  |                       |  |  |                          |
| DRAWN  | J.M                      | DATE   | 07/19 |                       |   |   |  |        |     |       |     |       |     |      |       |   |  |  |                       |  |  |                          |
| <b>DRAWING TITLE</b><br><br>LAYOUT PLAN<br>& GENERAL DETAILS<br>SHEET TWO OF TWO |                          |  |       |                       |   |   |  |        |     |       |     |       |     |      |       |   |  |  |                       |  |  |                          |
| <b>FILE NO.</b> MANDU  |                          |  |       |                       |   |   |  |        |     |       |     |       |     |      |       |   |  |  |                       |  |  |                          |
| <b>DRAWING NUMBER</b><br><br>21-010-02   | <b>REVISION</b><br><br>0 |  |       |                       |   |   |  |        |     |       |     |       |     |      |       |   |  |  |                       |  |  |                          |
|  |                          |  |       |                       |   |   |  |        |     |       |     |       |     |      |       |   |  |  |                       |  |  |                          |
|  |                          |  |       |                       |   |   |  |        |     |       |     |       |     |      |       |   |  |  |                       |  |  |                          |
|  |                          |  |       |                       |   |   |  |        |     |       |     |       |     |      |       |   |  |  |                       |  |  |                          |
| 0  | 11/19                    | ISSUED FOR CONSTRUCTION                                    | J.M   |                       |   |   |  |        |     |       |     |       |     |      |       |   |  |  |                       |  |  |                          |
| B  | 07/19                    | PAVEMENT DESIGN PROFILE & CONSTRUCTION METHODOLOGY AMENDED | J.M   |                       |   |   |  |        |     |       |     |       |     |      |       |   |  |  |                       |  |  |                          |
| A  | 07/19                    | ISSUED FOR COMMENT   | J.M   |                       |   |   |  |        |     |       |     |       |     |      |       |   |  |  |                       |  |  |                          |
| REV  | DATE                     | DESCRIPTION  | DRAWN |                       |   |   |  |        |     |       |     |       |     |      |       |   |  |  |                       |  |  |                          |





**MANDURAH ROAD – LAYOUT PLAN**  
1:200 (A1) 1:400 (A3)

**DRAWING LEGEND**

- PROPOSED ROAD AREA TO BE REHABILITATED
- PROPOSED EDGE OF SEAL
- EXISTING PROPERTY BOUNDARY
- EXISTING KERBING

**LINE MARKING & SIGNAGE LEGEND**

- PROPOSED EDGE LINE MARKING
- PROPOSED DOUBLE TWO WAY BARRIER LINE MARKING

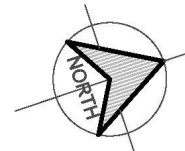
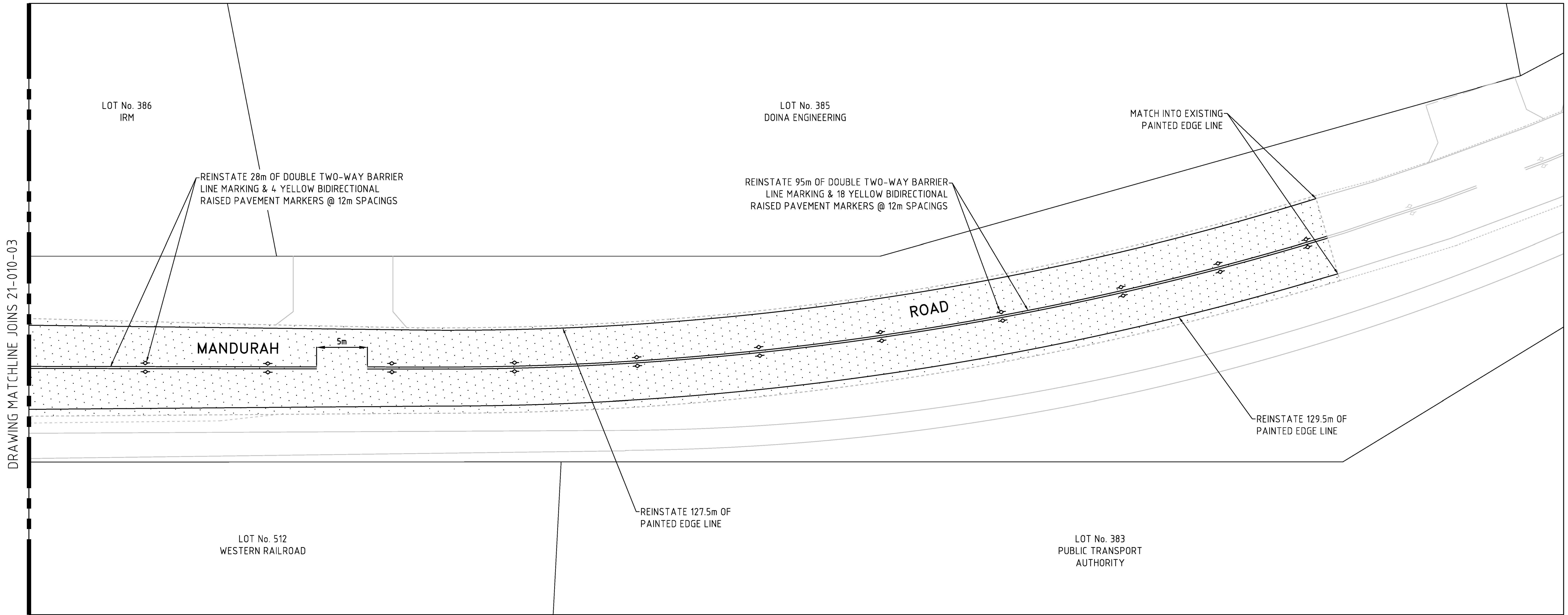
**LINE MARKING NOTES**

- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- ALL PAVEMENT MARKINGS SHALL CONFORM TO MAIN ROADS SPECIFICATION 604.



|     |       |  |       |                       |   |          |  |             |   |   |                          |
|-----|-------|--|-------|-----------------------|---|----------|--|-------------|---|---|--------------------------|
|     |       |  |       | ASSOCIATE CONSULTANT: |  | PROJECT: | MANDURAH ROAD PAVEMENT REHABILITATION<br>VICINITY OF BEACH STREET – SLK 1.22 TO 1.43 |             | SCALE: 1:200 (A1)                         | DRAWING TITLE<br>LINE MARKING<br>REINSTATEMENT PLAN<br>SHEET ONE OF TWO |                          |
|     |       |  |       |                       |   |          | DESIGN: R.Z  | CHECK: R.Z  |   |   |                          |
|     |       |  |       |                       |   |          | DRAWN: J.M   | DATE: 07/19 |   |   |                          |
| 0   | 11/19 | ISSUED FOR CONSTRUCTION                                    | J.M   |                       |   |          | PHONE: (08) 9439 0200 ADDRESS: Cnr Gilmore Avenue and Sulphur Road, Kwinana WA 6167  |             | AUTHORISED (MANAGER ENGINEERING SERVICES) |   | FILE NO. MANDU           |
| B   | 07/19 | PAVEMENT DESIGN PROFILE & CONSTRUCTION METHODOLOGY AMENDED | J.M   |                       |   |          | FAX: (08) 9439 0222 EMAIL: admin@kwinana.wa.gov.au WEB: http://www.kwinana.wa.gov.au |             | R.NAJAFZADEH                              |   | DRAWING NUMBER 21-010-03 |
| A   | 07/19 | ISSUED FOR COMMENT   | J.M   |                       |   |          |  |             |   | REVISION 0  |                          |
| REV | DATE  | DESCRIPTION  | DRAWN |                       |   |          |  |             |   |   |                          |





**MANDURAH ROAD – LAYOUT PLAN**  
1:200 (A1) 1:400 (A3)

**DRAWING LEGEND**

- PROPOSED ROAD AREA TO BE REHABILITATED
- PROPOSED EDGE OF SEAL
- EXISTING PROPERTY BOUNDARY
- EXISTING KERBING

**LINE MARKING & SIGNAGE LEGEND**

- PROPOSED EDGE LINE MARKING
- PROPOSED DOUBLE TWO WAY BARRIER LINE MARKING

**LINE MARKING NOTES**

- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- ALL PAVEMENT MARKINGS SHALL CONFORM TO MAIN ROADS SPECIFICATION 604.



|     |       |  |       |                       |  |  |   |   |   |
|-----|-------|--|-------|-----------------------|--|--|---|---|---|
|     |       |  |       | ASSOCIATE CONSULTANT: |  |  | PROJECT:<br>MANDURAH ROAD PAVEMENT REHABILITATION<br>VICINITY OF BEACH STREET – SLK 1.22 TO 1.43                    | SCALE<br>1:200 (A1)                                       | DRAWING TITLE<br>LAYOUT PLAN<br>& GENERAL DETAILS<br>SHEET TWO OF TWO |
|     |       |  |       |                       |  |  | PHONE: (08) 9439 0200<br>FAX: (08) 9439 0222<br>EMAIL: admin@kwinana.wa.gov.au<br>WEB: http://www.kwinana.wa.gov.au | DESIGN<br>R.Z.<br>DRAWN<br>J.M.                           | CHECK<br>R.Z.<br>DATE<br>07/19  |
|     |       |  |       |                       |  |  | ADDRESS: Cnr Gilmore Avenue and Sulphur Road, Kwinana WA 6167   | AUTHORISED (MANAGER ENGINEERING SERVICES)<br>R.NAJAFZADEH | FILE NO.<br>MANDU   |
| 0   | 11/19 | ISSUED FOR CONSTRUCTION                                    | J.M.  |                       |  |  |   |   | DRAWING NUMBER<br>21-010-04   |
| B   | 07/19 | PAVEMENT DESIGN PROFILE & CONSTRUCTION METHODOLOGY AMENDED | J.M.  |                       |  |  |   |   | REVISION<br>0   |
| A   | 07/19 | ISSUED FOR COMMENT   | J.M.  |                       |  |  |   |   |   |
| REV | DATE  | DESCRIPTION  | DRAWN |                       |  |  |   |   |   |