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**From:** Planning Policy <planningpolicy@stategrowth.tas.gov.au>  
**Sent:** Thursday, 25 November 2021 11:27 AM  
**To:** TPC Enquiry  
**Cc:** Wolf, Claire; Carroll, Patrick (StateGrowth)  
**Subject:** Southern Midlands LPS - Pre-Hearing Directions  
**Attachments:** Bagdad Bypass - Appendix A.pdf; Bagdad Bypass - Appendix B.pdf; Southern Midlands Draft Interim Planning Scheme Comments\_att1\_20130712102210218.pdf

Good morning,

Please find attached the information requested in response to the Commission's pre-hearing directions for the Southern Midlands LPS.

***1.5 To clarify the proposed application of the future major road overlay:***

***(a) provide a map showing the intended application of the future major road overlay near the Bagdad bypass corridor; and***

***(b) comment on application of SOU-P1.0 Particular Purpose Zone – Future Road Corridor, and explain whether it applies to an area large enough to contain both a future road reserve (including all physical road infrastructure) and an attenuation area for the future road (Bagdad bypass).***

Please see attached Appendix A & B, which are extracts of a report titled Bagdad Bypass Concept Development Report, prepared by Pitt & Sherry for State Growth's predecessor, the Department of Infrastructure, Energy and Resources (DIER) in June 2011. This is the alignment currently within the Southern Midlands Interim Planning Scheme 2015.

Appendix A is the Concept Design, and Appendix B is the Concept Design Drawings.

These plans indicate that the nominal property boundary and the planning scheme corridor were two separate lines, the latter being wider to ensure that any alterations to the design as a result of further design investigations could be accommodated without having to go outside the planning scheme corridor.

I understand that, since this work, no further work has been undertaken on the corridor and future Highway alignment.

I also attach DIER's correspondence to Southern Midlands Council from July 2013, when the then-draft Interim Scheme was made available for comment. Page 4 makes reference to the Future Road Corridor, demonstrating that the Future Road Corridor was exhibited at that time.

State Growth considers that the planning corridor is sufficient to contain a future road reserve (including all physical road infrastructure), but it would not be of a width to adequately provide an attenuation area for the Mangalore to Bagdad bypass.

***1.6 Provide a list of mining leases proposed to be rezoned from the Agriculture Zone to the Rural Zone.***

Upon reviewing the Zone Purpose for the Rural Zone (Section 20.1) and the Agriculture Zone (Section 21.1), State Growth's comments were highlighting that Extractive Industries may be a better strategic fit with the Rural Zone.

However, it is acknowledged that a discretionary approval pathway is provided for via the Agriculture Zone provisions for new or intensified Extractive Industry uses. As such, State Growth does not propose specific mining leases to be rezoned.

Please feel free to contact me should you have any further questions.

Kind Regards,

**Patrick Carroll** | Principal Land Use Planning Analyst  
Transport Systems and Planning Policy Branch | Department of State Growth  
4 Salamanca Place, Hobart TAS 7000 | GPO Box 536, Hobart TAS 7001  
Phone: (03) 6166 4472  
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DEPARTMENT OF STATE GROWTH COURAGE TO MAKE A DIFFERENCE THROUGH

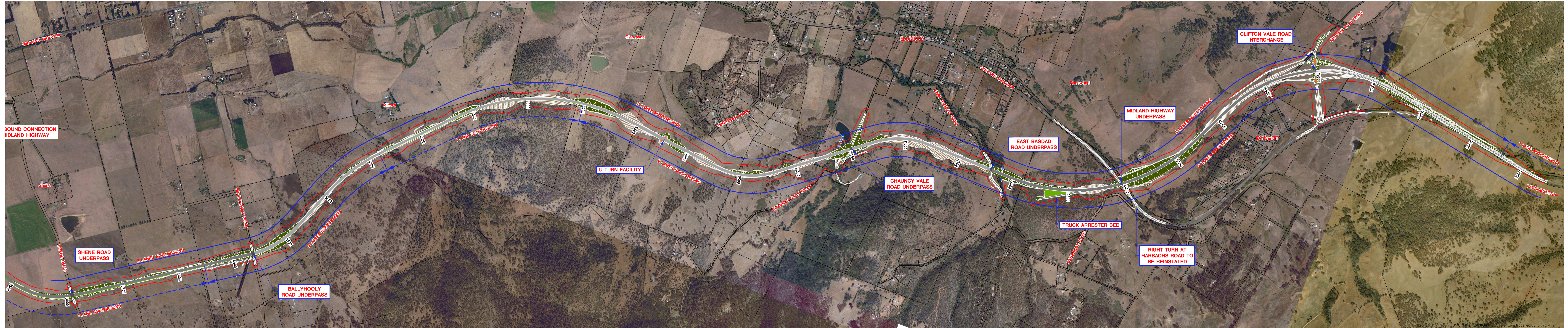


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# CONCEPT DESIGN

## BAGDAD BYPASS APPENDIX B

### ROADWORKS

### CONCEPT DESIGN DRAWINGS

- ROADWORKS
- BRIDGE CONCEPT




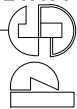


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CONCEPT

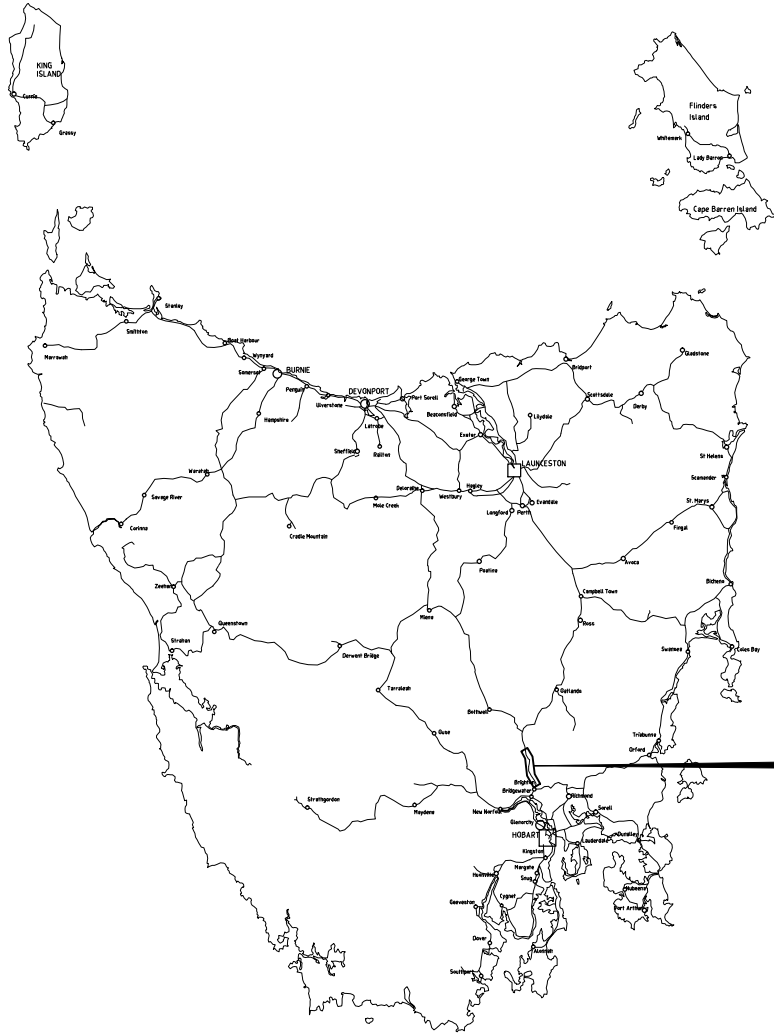
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| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD | <input checked="" type="checkbox"/> |                           |      |                    |  |  | SCALES AT A1 SIZE |  <b>PITT &amp; SHERRY</b><br><small>ASB 77 006 586 083</small><br>HOBART OFFICE<br>199 Macquarie Street<br>Hobart<br>Tasmania 7000<br>Ph: (03) 6223 1800<br>Fax: (03) 6223 1299<br>www.psh.com.au | DESIGNED<br>LA/RW | DATE<br>APR '11 |  | DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES |                                  |                        |                          |                        |
| PROJECT FILING NO.<br>HB09034              | LOADING            | <input checked="" type="checkbox"/> |                           |      |                    |  |  | NTS               |  |                   |                 |   |  | MIDLAND HIGHWAY<br>BAGDAD BYPASS |                        | FROM LINK No. / DISTANCE | TO LINK No. / DISTANCE |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    | <input checked="" type="checkbox"/> |                           |      |                    |  |  | UNITS U.N.O       |  | METRES            |                 |   |  |                                  | TABLE OF CONTENTS      |                          | CONTRACT No.           |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    | <input checked="" type="checkbox"/> | TABLE OF CONTENTS UPDATED | R.M. | MAY '11            |  |  |                   |  |                   |                 |   |  |                                  | DRG. No.<br>HB09034-C1 |                          |                        |
|  |                    |                                     |                           | NO.  | DRAWING AMENDMENTS |  |  | CHECKED           | DATE   | APPROVED          | DATE            | REFERENCE DRAWINGS  |  |                                  |                        |                          |                        |

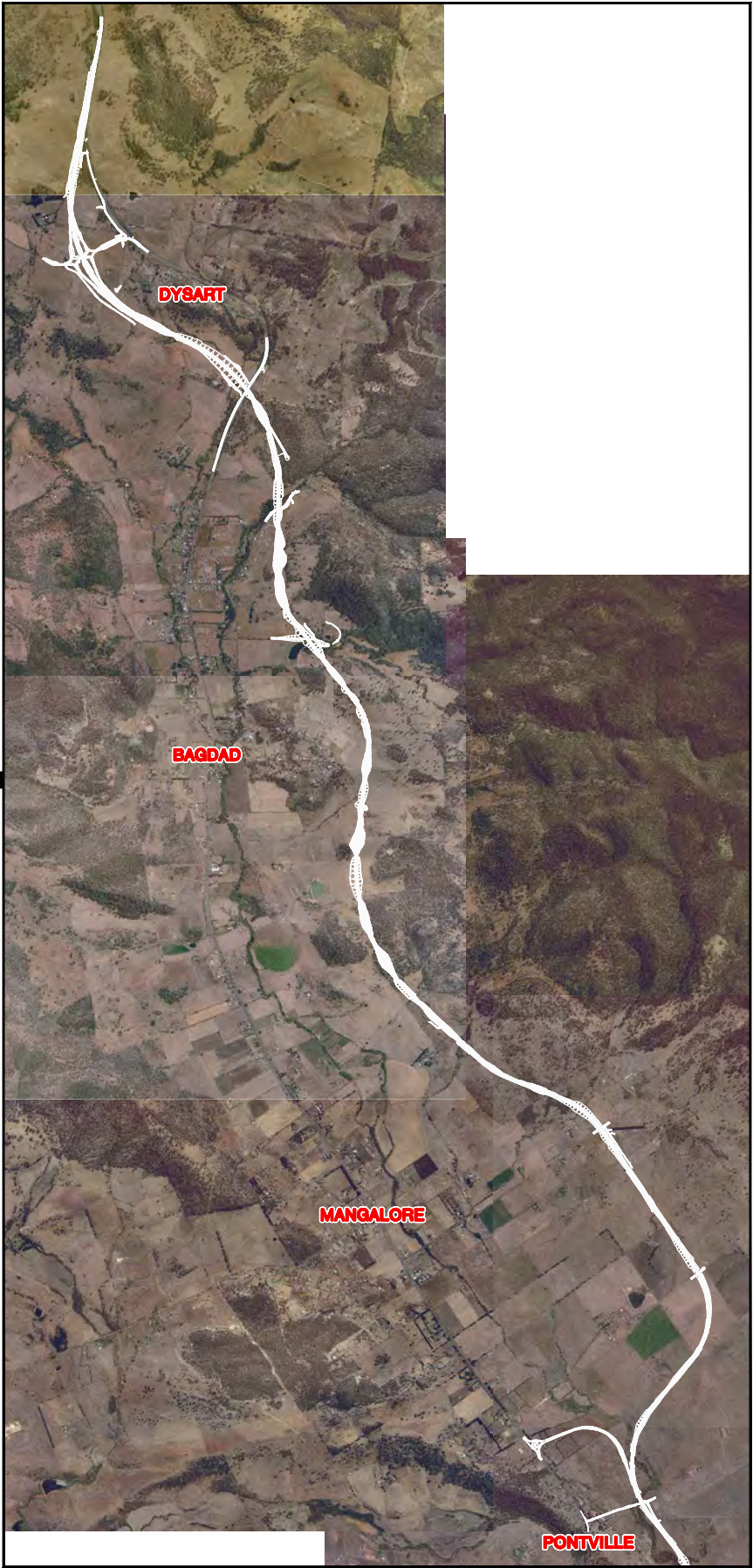


REDUCED SCALE PLOT






MAP OF TASMANIA  
NTS



LOCALITY PLAN  
NTS

CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1950; HB09034-X1110; HB09034-X1150

|  |                    |                          |                    |  |  |  |         |  |   |                   |                    |  |                          |                        |                        |  |
|--|--------------------|--------------------------|--------------------|--|--|--|---------|--|---|-------------------|--------------------|--|--------------------------|------------------------|------------------------|--|
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| PROJECT FILING NO.<br>HB09034              | LOADING            | <input type="checkbox"/> |                    |  |  |  |         |  |   | REVIEWED          | DATE               |  |                          | CONTRACT No.           | SHEET No.<br>2         |  |
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|  |                    | NO.                      | DRAWING AMENDMENTS |  |  |  | CHECKED | DATE   | APPROVED  | DATE              | REFERENCE DRAWINGS |  |                          |                        |                        |  |



REDUCED SCALE PLOT



NEW SERVICE - DESIGNED

|  |  |
|--|--|
|  | NEW ELECTRICITY SUPPLY - OVERHEAD          |
|  | NEW ELECTRICITY SUPPLY - TRANSMISSION LINE |
|  | NEW ELECTRICITY SUPPLY - UNDERGROUND       |
|  | NEW STREET LIGHT SERVICE                   |
|  | NEW WATER SUPPLY                           |
|  | NEW WATERMAIN                              |
|  | NEW WATER SUPPLY - IRRIGATION/RECYCLED     |
|  | NEW SEWER SERVICE                          |
|  | NEW STORMWATER SERVICE                     |
|  | NEW SURFACE DRAIN - OPEN DRAIN             |
|  | NEW SURFACE DRAIN - CATCH DRAIN            |
|  | NEW SURFACE DRAIN - CREEK/DRAIN DIVERSION  |
|  | NEW SURFACE DRAIN - TYPE 4                 |
|  | NEW SURFACE DRAIN - TYPE 5                 |
|  | NEW SUBSOIL DRAIN                          |
|  | NEW GAS SERVICE                            |
|  | NEW TELSTRA SERVICE                        |
|  | NEW TELSTRA SERVICE - OVERHEAD             |
|  | NEW TELSTRA SERVICE - FIBRE OPTIC          |
|  | NEW TRAFFIC CONTROL - TYPE 1               |

CONSTRUCTION FEATURES - NEW

|  |                                |
|--|--------------------------------|
|  | PRESERVATION FENCE             |
|  | SILT STOP FENCE                |
|  | LIMIT OF CONTRACT              |
|  | SAW CUT                        |
|  | PROPOSED TITLE BOUNDARY        |
|  | PROPOSED PLANNING CORRIDOR     |
|  | NEW FENCELINE                  |
|  | NEW EASEMENT                   |
|  | NEW SAFETY BARRIER - WIRE ROPE |
|  | NEW SAFETY BARRIER - W BEAM    |

CONSTRUCTION FEATURES - EXISTING

|  |                                       |
|--|---------------------------------------|
|  | EXISTING TITLE BOUNDARY               |
|  | EXISTING FENCELINE                    |
|  | EXISTING EASEMENT                     |
|  | EXISTING SAFETY BARRIER - W BEAM/WRSF |
|  | GIS TITLE BOUNDARY                    |
|  | GIS FENCELINE                         |
|  | GIS EASEMENT                          |
|  | GIS SAFETY BARRIER - WIRE ROPE        |
|  | GIS SAFETY BARRIER - W BEAM           |

CONCEPT

REFERENCE FILES ATTACHED:

|  |  |                    |  |     |                    |  |  |  |         |      |                    |      |  |                          |            |                   |                        |  |  |                          |  |                        |  |
|--|--|--------------------|--|-----|--------------------|--|--|--|---------|------|--------------------|------|--|--------------------------|------------|-------------------|------------------------|--|--|--------------------------|--|------------------------|--|
| SURVEYED<br>LESTER FRANKS                  |  | DATUM<br>GDA94/AHD |  |     |                    |  |  |  |         |      | SCALES AT A1 SIZE  |      | <br>AS/NZS 7710:2008<br>HOBART OFFICE<br>199 Macquarie Street<br>Hobart<br>Tasmania 7000<br>Ph: (03) 6223 1800<br>Fax: (03) 6223 1299<br>www.pittsherry.com.au<br>sustainable thinking | <b>PITT &amp; SHERRY</b> |            | DESIGNED<br>LA/RW | DATE<br>APR '11        | DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES |  |                          |  |                        |  |
| PROJECT FILING NO.<br>HB09034              |  | LOADING            |  |     |                    |  |  |  |         |      | NTS<br>-<br>METRES |      |  | UNITS U.N.O              |            | REVIEWED          | DATE                   | MIDLAND HIGHWAY<br>BAGDAD BYPASS<br>PROJECT LEGEND |  | FROM LINK No. / DISTANCE |  | TO LINK No. / DISTANCE |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |  |                    |  |     |                    |  |  |  |         |      |                    |      |  | AUTHORISED               |            | DATE              | CONTRACT No.           |  |  | SHEET No.<br>3           |  |                        |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |  |                    |  |     |                    |  |  |  |         |      |                    |      |  | ACCEPTED                 |            | DATE              | DRG. No.<br>HB09034-C4 |  |  |                          |  |                        |  |
|  |  |                    |  | NO. | DRAWING AMENDMENTS |  |  |  | CHECKED | DATE | APPROVED           | DATE | REFERENCE DRAWINGS   |                          | HB09034-C4 |                   |                        |  |  |                          |  |                        |  |

EXISTING SERVICE - SURVEYED LOCATION

|  |   |
|--|---|
|  | EXISTING ELECTRICITY SUPPLY - OVERHEAD          |
|  | EXISTING ELECTRICITY SUPPLY - TRANSMISSION LINE |
|  | EXISTING ELECTRICITY SUPPLY - UNDERGROUND       |
|  | EXISTING STREET LIGHT SERVICE                   |
|  | EXISTING WATER SUPPLY                           |
|  | EXISTING WATERMAIN                              |
|  | EXISTING WATER SUPPLY - IRRIGATION/RECYCLED     |
|  | EXISTING SEWER SERVICE                          |
|  | EXISTING STORMWATER SERVICE                     |
|  | EXISTING STORMWATER SURFACE DRAIN               |
|  | EXISTING SUBSOIL DRAIN                          |
|  | EXISTING GAS SERVICE                            |
|  | EXISTING TELSTRA SERVICE                        |
|  | EXISTING TELSTRA SERVICE - OVERHEAD             |
|  | EXISTING TELSTRA SERVICE - FIBRE OPTIC          |
|  | EXISTING TRAFFIC CONTROL                        |

EXISTING FEATURE - SURVEYED LOCATION

|  |                             |
|--|-----------------------------|
|  | EXISTING HEDGE/TREE LINE    |
|  | EXISTING EDGE OF VEGETATION |
|  | EXISTING OPEN DRAIN INVERT  |

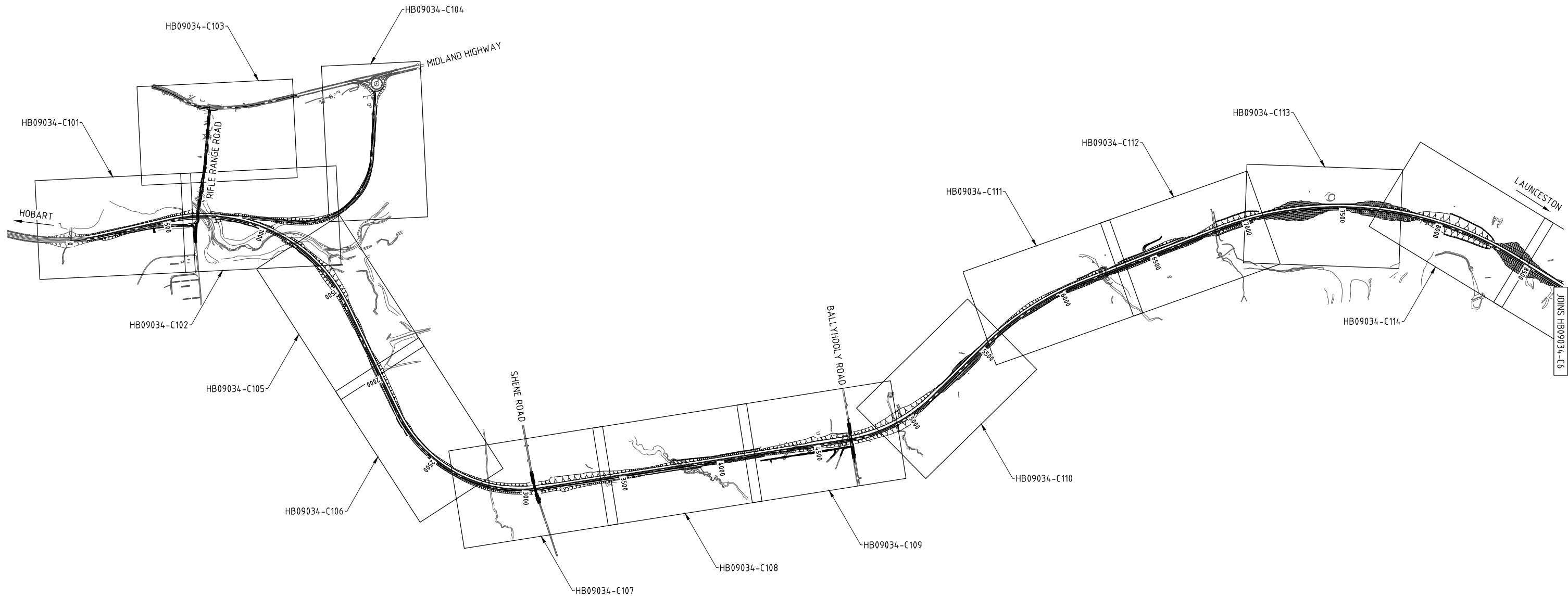
STANDARD SYMBOLS

|  |                              |  |   |  |                               |  |                     |  |                                   |
|--|------------------------------|--|---|--|-------------------------------|--|---------------------|--|-----------------------------------|
|  | SEWER ACCESS PIT COVER       |  | TELECOMMS. PILLAR                         |  | MAILBOX                       |  | UNIDENTIFIED OBJECT |  | REDUNDANT ROAD & FOOTPATH         |
|  | STORM WATER ACCESS PIT COVER |  | TELECOMMS. PIT                            |  | NEW/RELOCATED POWER POLE      |  | SEDIMENT TRAP       |  | REINFORCED GRASS LINED DRAIN      |
|  | GRATED PIT                   |  | TRAFFIC SIGNAL CABINET                    |  | EXISTING POWER POLE           |  | EXISTING GATE       |  | ROCK LINED DRAIN                  |
|  | SIDE ENTRY PIT               |  | FIRE HYDRANT                              |  | STREET LIGHTING TURRET        |  | NEW GATE            |  | STENCILLED CONCRETE               |
|  | ELECTRICAL COVER             |  | FIRE PLUG                                 |  | STREET LIGHTING FUSE BOX      |  | SEDIMENT TRAP       |  | PLAIN ENDWALL                     |
|  | ELECTRICAL CABINET           |  | STOP VALVE                                |  | EXISTING STREET LIGHTING POLE |  | BOREHOLE            |  | RC ENDWALL                        |
|  | GUIDE POST                   |  | WATER METER                               |  | NEW STREET LIGHTING POLE      |  | EXCAVATION PIT      |  | RC ENDWALL WITH ENERGY DISSIPATOR |
|  | CABLE MARKER                 |  | CORNER PEG                                |  | NEW/RELOCATED SIGN            |  | SURVEY CONTROL      |  | DRIVEABLE ENDWALL TYPE 1          |
|  | STREAM CROSSING FENCE        |  | GAS MARKER                                |  | EXISTING SIGN                 |  | SEAT                |  | DRIVEABLE ENDWALL TYPE 2          |
|  | NORTH POINT                  |  | SETOUT POINTS<br>(FENCING, SERVICES, ETC) |  | BUS STOP                      |  | BATTER CHANNELS     |  | MODIFIED DRIVEABLE ENDWALL        |
|  |                              |  | EXISTING TREE                             |  | LITTER                        |  | BOLLARD             |  | SPLASH APRON                      |




REDUCED SCALE PLOT





CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1900; HB09034-X1010; HB09034-X1110; HB09034-X1150; HB09034-X1510; HB09034-X1500

|  |                    |     |                    |  |         |      |          |  |   |                   |                 |  |  |
|--|--------------------|-----|--------------------|--|---------|------|----------|--|---|-------------------|-----------------|--|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |     |                    |  |         |      |          | SCALES AT A1 SIZE<br>1:10000<br>-<br>UNITS U.N.O<br>METRES | <br><b>PITT &amp; SHERRY</b><br>HOBART OFFICE<br>199 Macquarie Street<br>Hobart<br>Tasmania 7000<br>Ph: (03) 6223 1800<br>Fax: (03) 6223 1299<br>www.pittsherry.com.au | DESIGNED<br>LA/RW | DATE<br>APR '11 | DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES                             |  |
| PROJECT FILING NO.<br>HB09034              | LOADING            |     |                    |  |         |      |          |  |   | REVIEWED          | DATE            | MIDLAND HIGHWAY<br>BAGDAD BYPASS   |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |     |                    |  |         |      |          |  |   | AUTHORISED        | DATE            | KEY PLAN - SHEET 1 OF 2  |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |     |                    |  |         |      |          |  |   | ACCEPTED          | DATE            | FROM LINK No. / DISTANCE TO LINK No. / DISTANCE<br>CONTRACT No. SHEET No.<br>4 |  |
|  |                    | NO. | DRAWING AMENDMENTS |  | CHECKED | DATE | APPROVED | DATE   | REFERENCE DRAWINGS  | HB09034-C5        |                 | DRG. No.<br>HB09034-C5   |  |



REDUCED SCALE PLOT



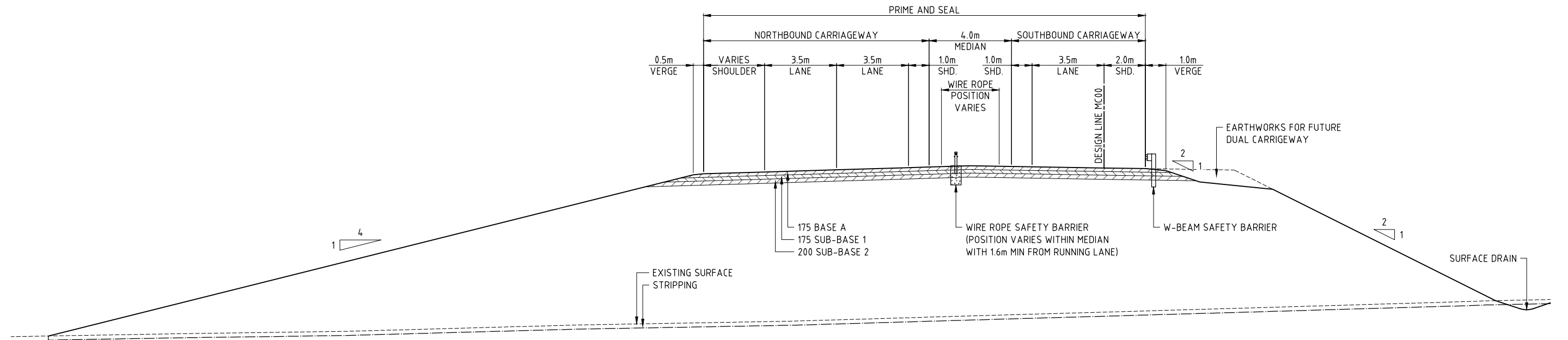




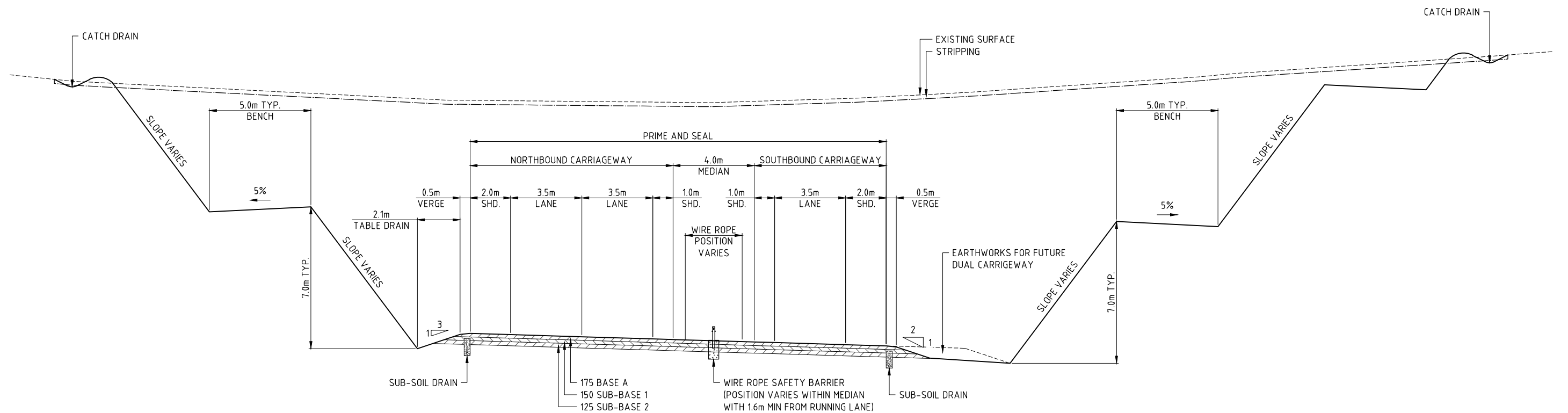


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BAGDAD BYPASS TYPICAL 2+1 FILL CONFIGURATION  
SCALE 1:100



BAGDAD BYPASS TYPICAL 2+1 CUT CONFIGURATION  
SCALE 1:100

CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1910

|  |                    |         |      |          |      |                    |
|--|--------------------|---------|------|----------|------|--------------------|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |         |      |          |      |                    |
| PROJECT FILING NO.<br>HB09034              | LOADING            |         |      |          |      |                    |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |         |      |          |      |                    |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |         |      |          |      |                    |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |

|   |
|---|
| SCALES AT A1 SIZE<br>AS SHOWN<br>-<br>UNITS U.N.O MILLIMETRES |
| REFERENCE DRAWINGS  |



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HB09034-C12

|                   |                 |
|-------------------|-----------------|
| DESIGNED<br>LA/RW | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

|   |
|---|
| DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES                        |
| MIDLAND HIGHWAY<br>BAGDAD BYPASS<br>TYPICAL CROSS SECTIONS - SHEET 2 OF 9 |

|                          |                        |
|--------------------------|------------------------|
| FROM LINK No. / DISTANCE | TO LINK No. / DISTANCE |
| CONTRACT No.             | SHEET No.<br>7         |
| DRG. No.<br>HB09034-C12  |                        |



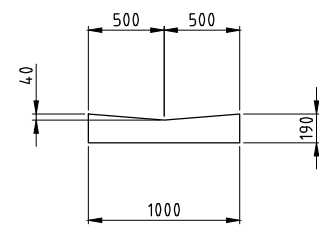
REDUCED SCALE PLOT

May 31, 11 - 14:34:19 Name: HB09034-C12.dwg Updated By: Lloyd Allen

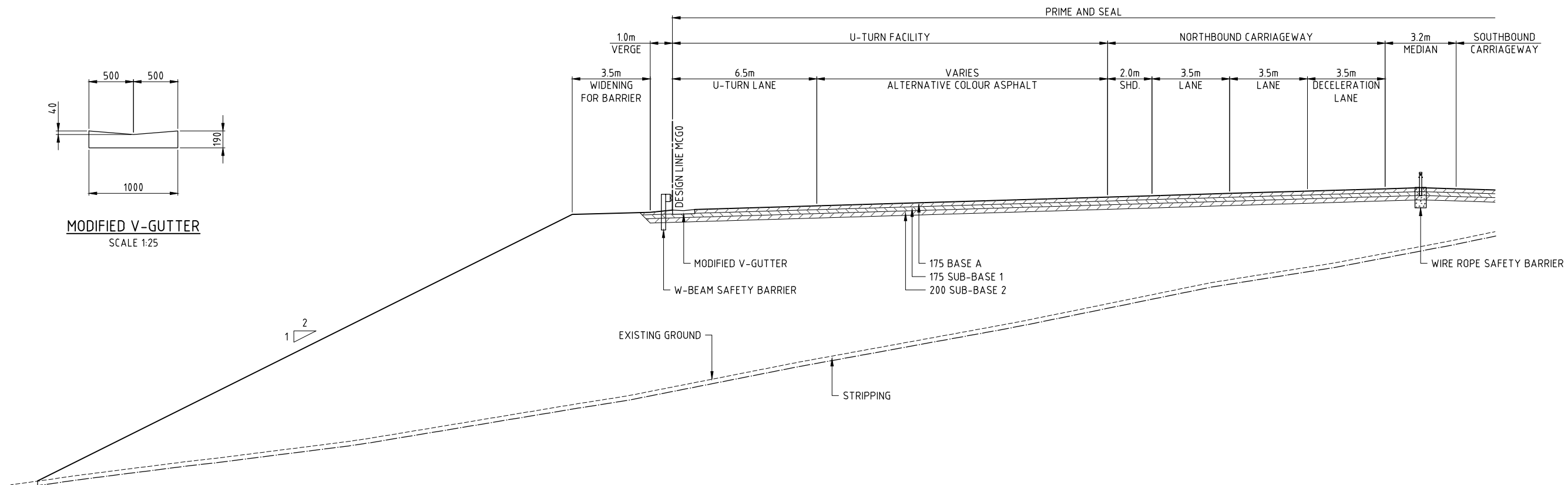




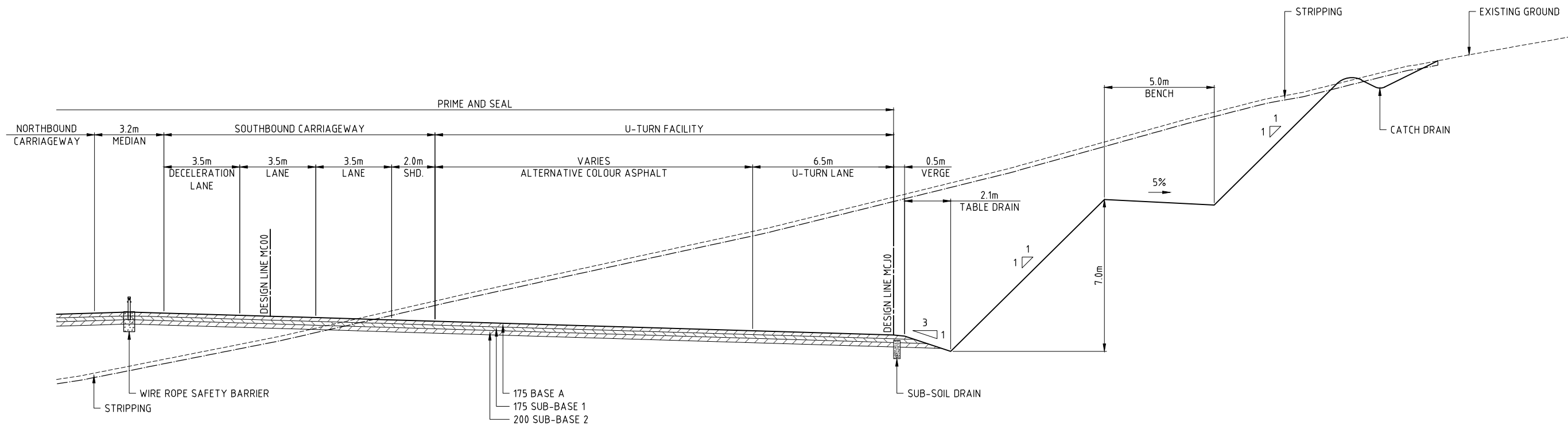




MODIFIED V-GUTTER  
SCALE 1:25



NORTHBOUND U-TURN FACILITY  
SCALE 1:100



SOUTHBOUND U-TURN FACILITY  
SCALE 1:100

## CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1910

|  |                    |         |      |          |      |                    |  |  |  |
|--|--------------------|---------|------|----------|------|--------------------|--|--|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |         |      |          |      |                    |  |  |  |
| PROJECT FILING NO.<br>HB09034              | LOADING            |         |      |          |      |                    |  |  |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |         |      |          |      |                    |  |  |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |         |      |          |      |                    |  |  |  |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |  |  |

SCALES AT A1 SIZE  
AS SHOWN  
-  
UNITS U.N.O MILLIMETRES



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HB09034-C14

|                   |                 |
|-------------------|-----------------|
| DESIGNED<br>LA/RW | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES

MIDLAND HIGHWAY  
BAGDAD BYPASS  
TYPICAL CROSS SECTIONS - SHEET 4 OF 9

|                          |                        |
|--------------------------|------------------------|
| FROM LINK No. / DISTANCE | TO LINK No. / DISTANCE |
| CONTRACT No.             | SHEET No.<br>9         |
| DRG. No.<br>HB09034-C14  |                        |



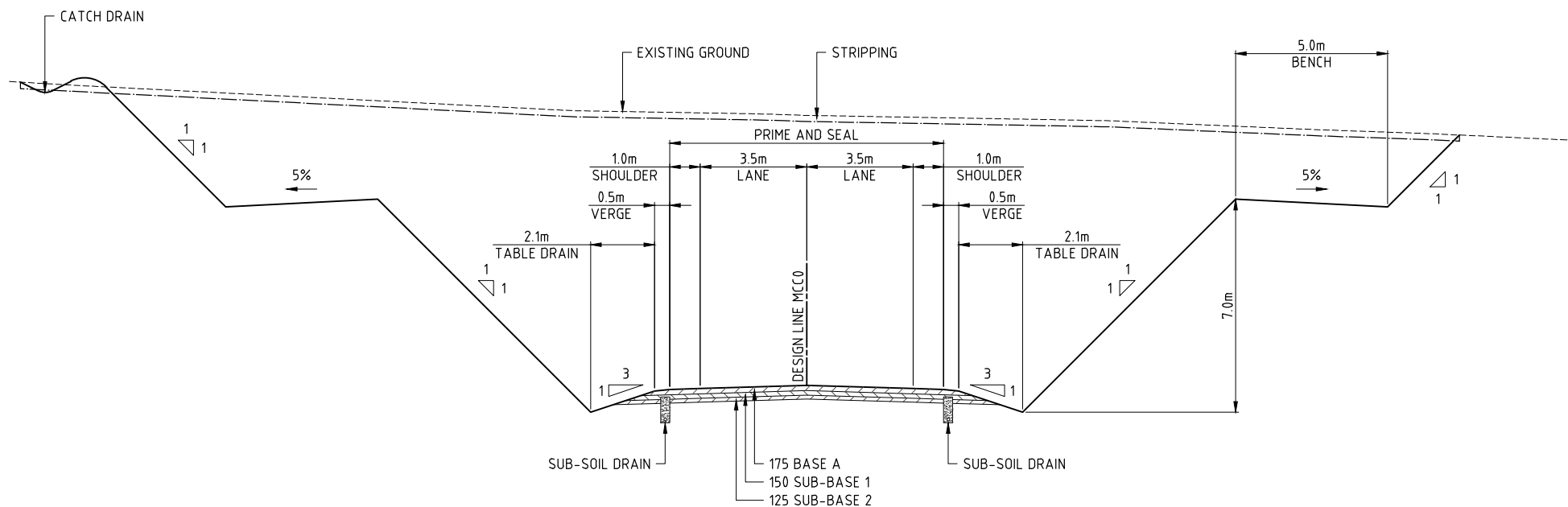
REDUCED SCALE PLOT

May 31, 11 - 14:34:35 Name: HB09034-C14.dwg Updated By: Lloyd Allen

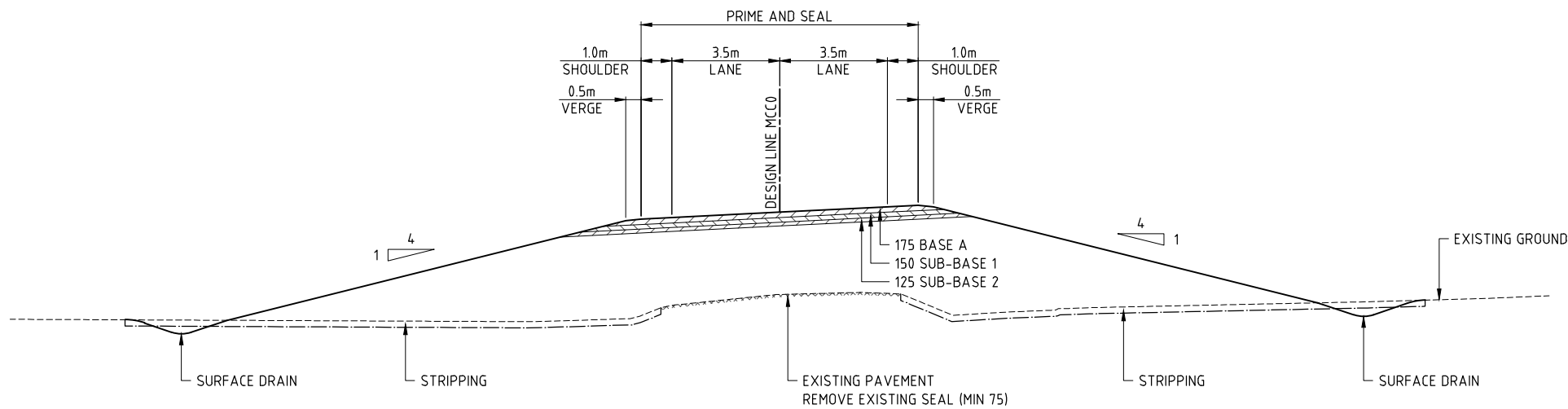









CLIFTON VALE ROAD - EAST OF BYPASS  
SCALE 1:100



CLIFTON VALE ROAD - WEST OF BYPASS  
SCALE 1:100

CONCEPT

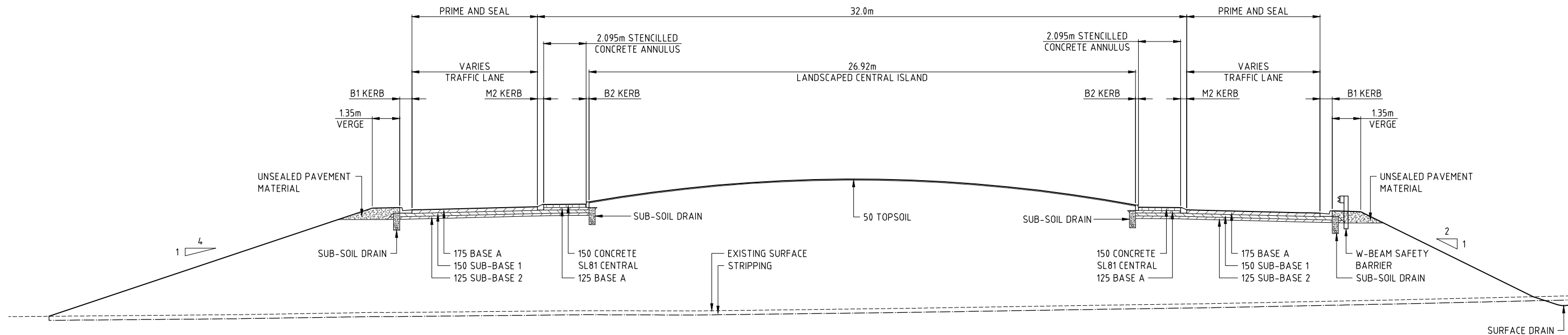
REFERENCE FILES ATTACHED: HB09034-X1910

|  |  |                    |  |  |  |         |      |          |      |   |  |  |                              |      |  |  |  |
|--|--|--------------------|--|--|--|---------|------|----------|------|---|--|--|------------------------------|------|--|--|--|
| SURVEYED<br>LESTER FRANKS                  |  | DATUM<br>GDA94/AHD |  |  |  |         |      |          |      | SCALES AT A1 SIZE<br>AS SHOWN<br>-<br>UNITS U.N.O MILLIMETRES |  | <br><b>PITT &amp; SHERRY</b><br><small>ASB 77 000 586 083</small><br>HOBART OFFICE<br>199 Macquarie Street<br>Hobart<br>Tasmania 7000<br>Ph: (03) 6223 1800<br>Fax: (03) 6223 1299<br>www.pittsherry.com.au | DESIGNED<br>LA/RW<br>APR '11 | DATE | DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES |  |  |
| PROJECT FILING NO.<br>HB09034              |  | LOADING            |  |  |  |         |      |          |      |   |  |  | REVIEWED                     | DATE |  | MIDLAND HIGHWAY<br>BAGDAD BYPASS   |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |  |                    |  |  |  |         |      |          |      |   |  |  | AUTHORISED                   | DATE |  | TYPICAL CROSS SECTIONS - SHEET 6 OF 9  |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |  |                    |  |  |  |         |      |          |      |   |  |  | ACCEPTED                     | DATE |  | FROM LINK No. / DISTANCE TO LINK No. / DISTANCE<br>CONTRACT No. SHEET No. 11<br>DRG. No. HB09034-C16 |  |
| NO.  |  | DRAWING AMENDMENTS |  |  |  | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS  |  | HB09034-C16  |                              |      |  |  |  |

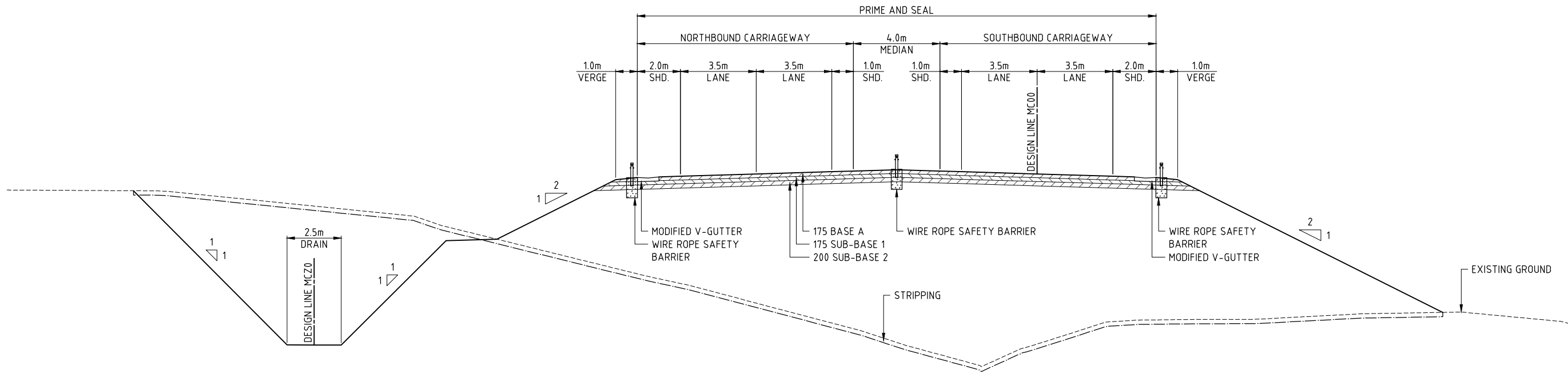


REDUCED SCALE PLOT





CLIFTON VALE ROAD INTERCHANGE ROUNDABOUT  
SCALE 1:100



NORTH OF CLIFTON VALE ROAD INTERCHANGE  
SCALE 1:100

CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1910

|  |                    |         |      |          |      |                    |  |  |  |
|--|--------------------|---------|------|----------|------|--------------------|--|--|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |         |      |          |      |                    |  |  |  |
| PROJECT FILING NO.<br>HB09034              | LOADING            |         |      |          |      |                    |  |  |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |         |      |          |      |                    |  |  |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |         |      |          |      |                    |  |  |  |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |  |  |

|  |  |
|--|--|
| SCALES AT A1 SIZE<br>AS SHOWN<br>UNITS U.N.O MILLIMETRES |  |
|--|--|



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|-------------------|-----------------|
| DESIGNED<br>LA/RW | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

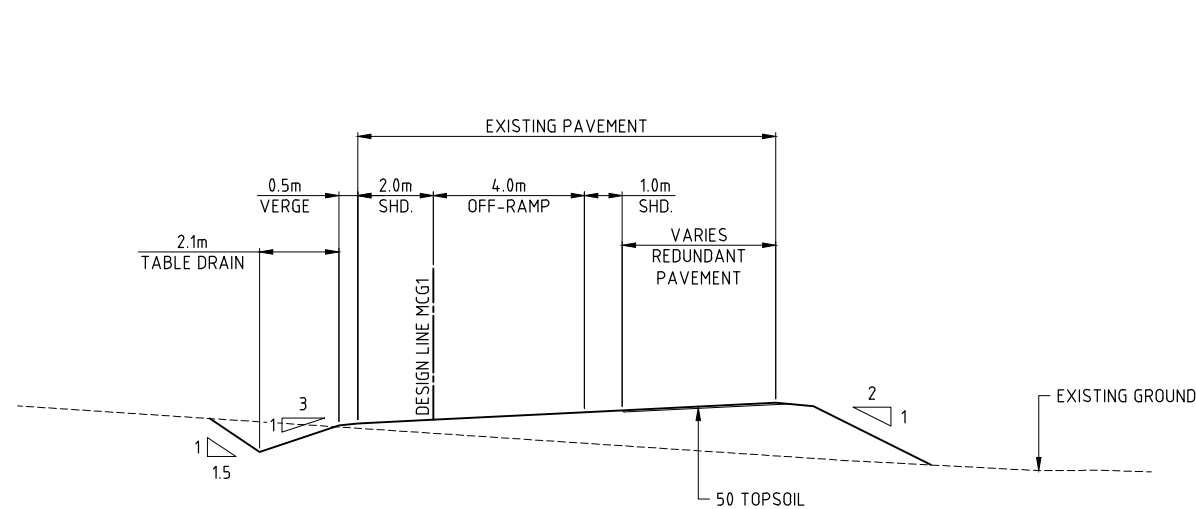
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|---|--|
| DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES                        |  |
| MIDLAND HIGHWAY<br>BAGDAD BYPASS<br>TYPICAL CROSS SECTIONS - SHEET 7 OF 9 |  |

|                          |                        |
|--------------------------|------------------------|
| FROM LINK No. / DISTANCE | TO LINK No. / DISTANCE |
| CONTRACT No.             | SHEET No.<br>12        |
| DRG. No.<br>HB09034-C17  |                        |

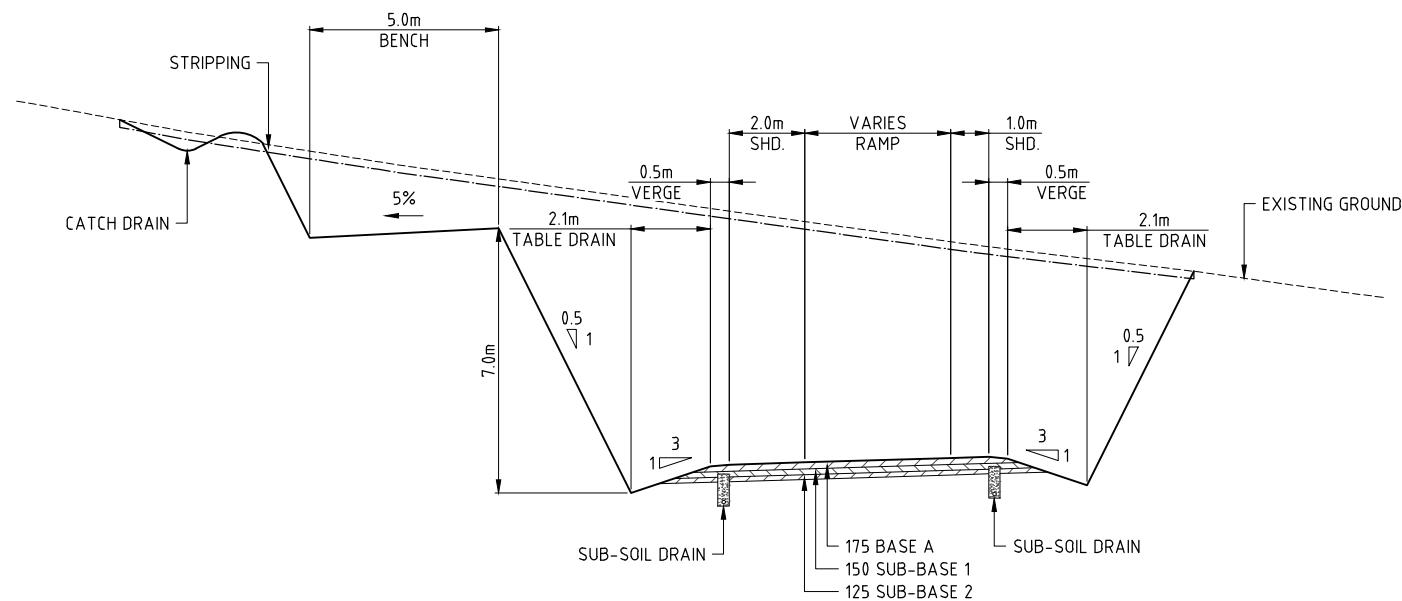


May 31, 11 - 14:35:00 Name: HB09034-C17 dwg Updated By: Lloyd Allen

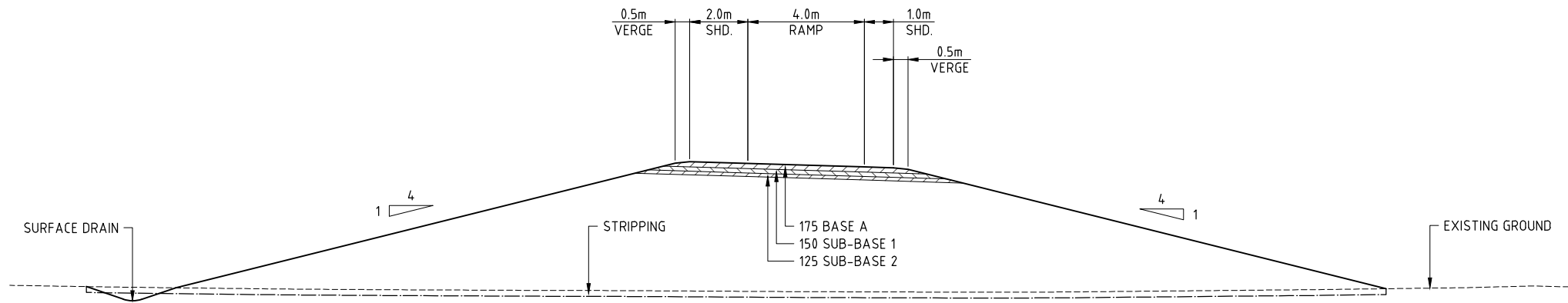




EXISTING BRIGHTON BYPASS OFF-RAMP  
SCALE 1:100




CLIFTON VALE ROAD INTERCHANGE RAMPS  
SCALE 1:100



CLIFTON VALE ROAD INTERCHANGE RAMPS  
SCALE 1:100

CONCEPT

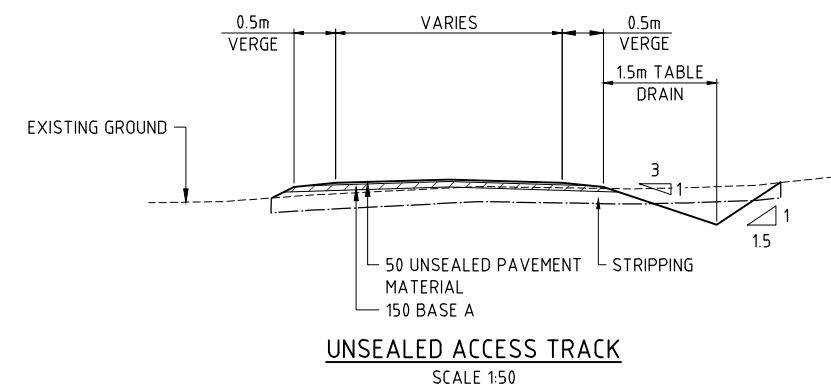
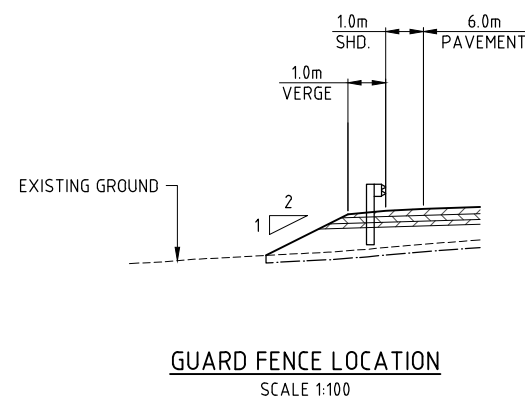
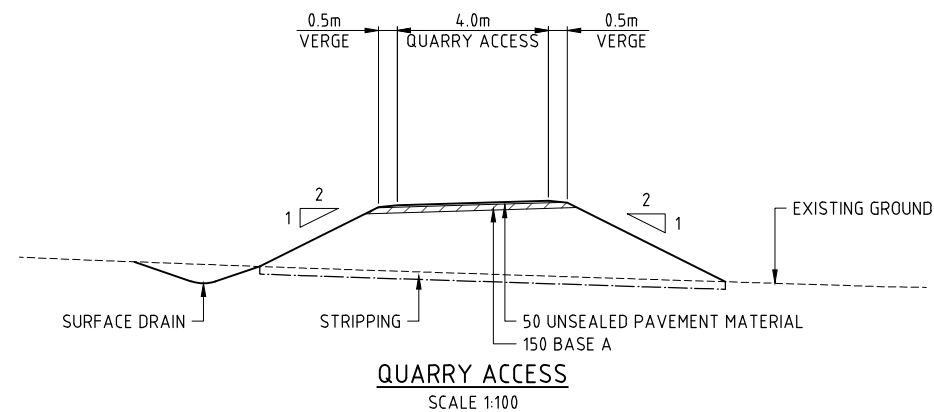
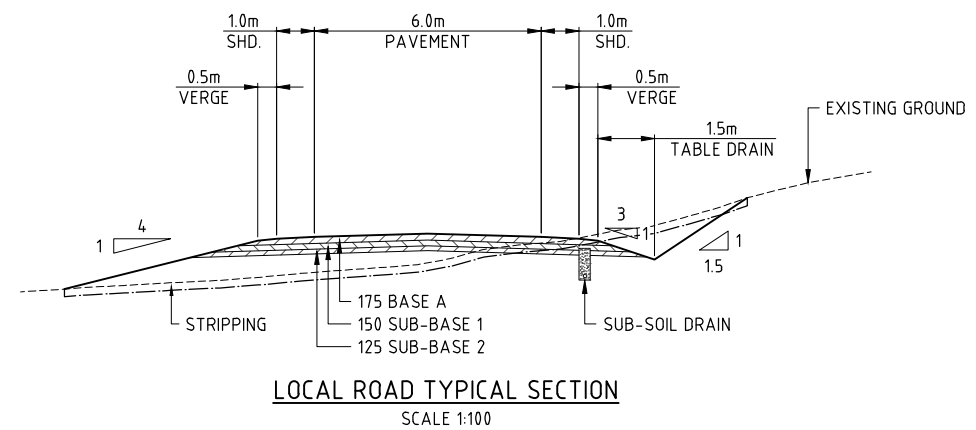
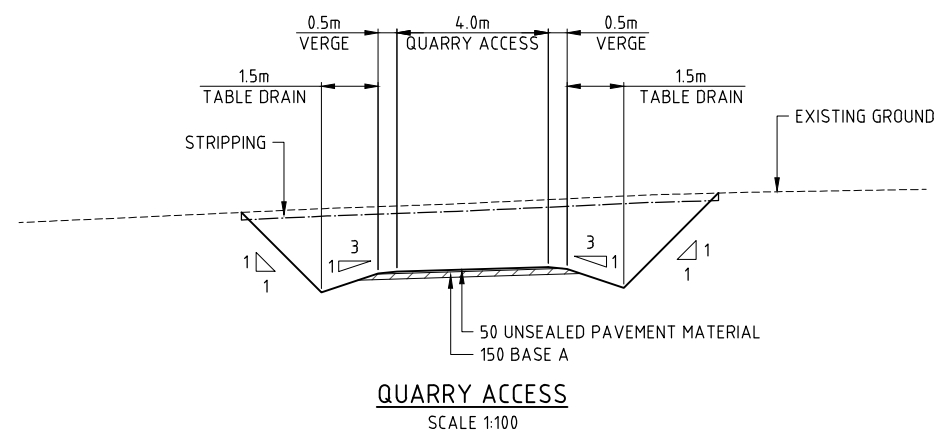
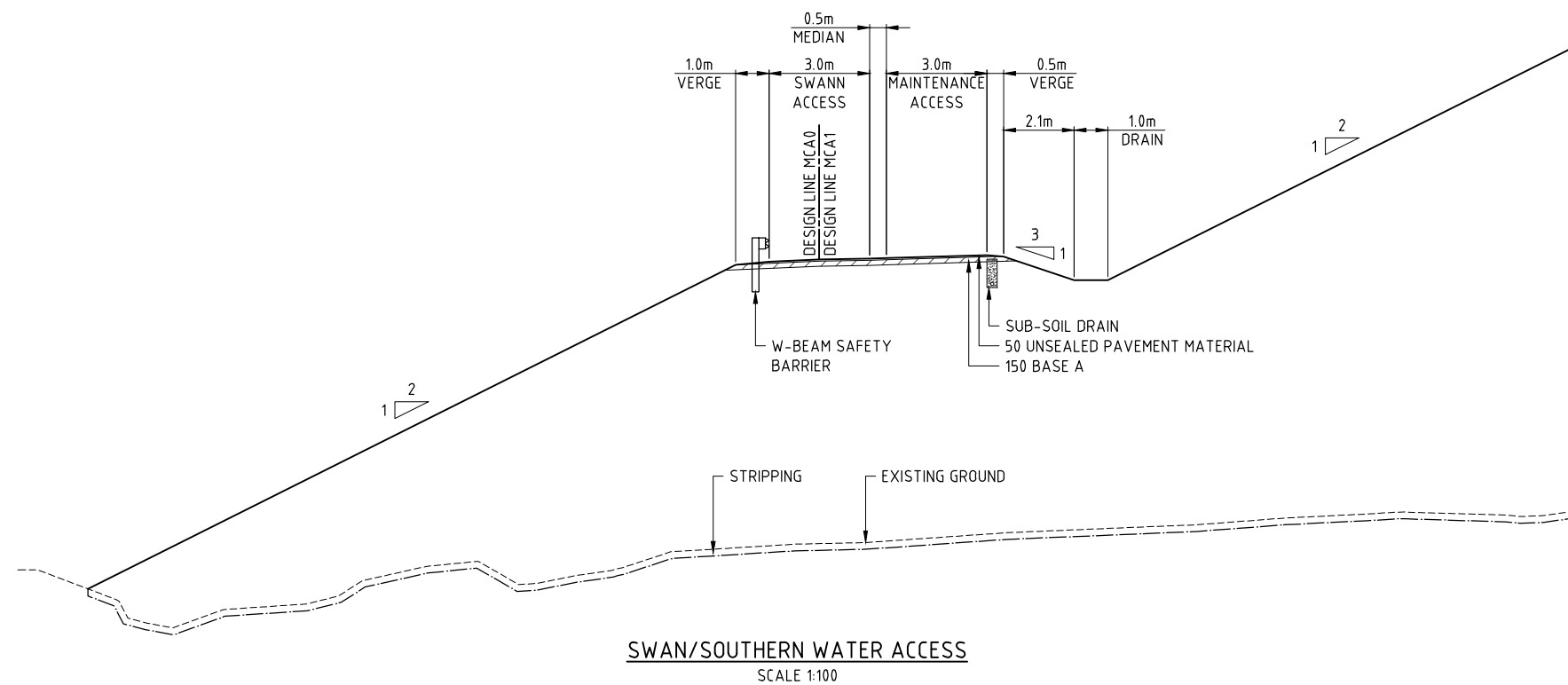
REFERENCE FILES ATTACHED: HB09034-X1910

|  |                    |         |      |          |      |                    |  |  |  |   |   |   |   |   |
|--|--------------------|---------|------|----------|------|--------------------|--|--|--|---|---|---|---|---|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |         |      |          |      |                    |  | SCALES AT A1 SIZE<br>AS SHOWN<br>-<br>UNITS U.N.O. MILLIMETRES |  <b>PITT &amp; SHERRY</b><br>HOBART OFFICE<br>199 Macquarie Street<br>Hobart<br>Tasmania 7000<br>Ph: (03) 6223 1800<br>Fax: (03) 6223 1299<br>www.pittsherry.com.au | DESIGNED<br>LA/RW<br>REVIEWED<br>AUTHORISED<br>ACCEPTED | DATE<br>APR '11<br>DATE<br>DATE<br>DATE | DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES<br>MIDLAND HIGHWAY<br>BAGDAD BYPASS<br>TYPICAL CROSS SECTIONS - SHEET 8 OF 9 | FROM LINK No. / DISTANCE<br>CONTRACT No.<br>DRG. No.<br>HB09034-C18 | TO LINK No. / DISTANCE<br>SHEET No.<br>13 |
| PROJECT FILING NO.<br>HB09034              | LOADING            |         |      |          |      |                    |  |  |  |   |   |   |   |   |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |         |      |          |      |                    |  |  |  |   |   |   |   |   |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |         |      |          |      |                    |  |  |  |   |   |   |   |   |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |  |  |   |   |   |   |   |





REDUCED SCALE PLOT





## CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1910

|   |  |                    |  |         |  |      |  |                                    |  |  |  |  |  |  |  |   |  |
|---|--|--------------------|--|---------|--|------|--|------------------------------------|--|--|--|--|--|--|--|---|--|
| SURVEYED<br>LESTER FRANKS                 |  | DATUM<br>GDA94/AHD |  |         |  |      |  | SCALES AT A1 SIZE<br>AS SHOWN<br>- |  |  <b>PITT &amp; SHERRY</b><br><small>ABN 77 000 586 083</small><br>HOBART OFFICE<br>199 Macquarie Street<br>Hobart<br>Tasmania 7000<br>Ph: (03) 6223 1800<br>Fax: (03) 6223 1299<br><a href="http://www.pittsherry.com.au">www.pittsherry.com.au</a> |  | DESIGNED<br>LA/RW<br>DATE<br>APR '11<br>REVIEWED<br>DATE<br>AUTHORISED<br>DATE<br>ACCEPTED<br>DATE |  | DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES |  |   |  |
| PROJECT FILING NO.<br>HB09034             |  | LOADING            |  |         |  |      |  | UNITS U.N.O MILLIMETRES            |  |   |  |  |  | MIDLAND HIGHWAY<br>BAGDAD BYPASS                   |  | FROM LINK No. / DISTANCE TO LINK No. / DISTANCE |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311  |  |                    |  |         |  |      |  |                                    |  |  |  |  |  | CONTRACT No.                                       |  | SHEET No.<br>14                                 |  |
| DESIGN MODEL NAME<br>ALIGN 3 STAGE 080211 |  |                    |  |         |  |      |  |                                    |  |  |  |  |  | DRG. No.<br>HB09034-C19                            |  |   |  |
| No.                                       |  | DRAWING AMENDMENTS |  | CHECKED |  | DATE |  | APPROVED                           |  | DATE   |  | REFERENCE DRAWINGS   |  |  |  |   |  |





125273/1  
THE TRUSTEES OF THE  
DIOCESE OF TASMANIA

156381/1  
TEA TREE GOLD CLUB INC

PROVIDE WIRE ROPE SAFETY BARRIER  
BETWEEN CH.500 AND CH.5195 (MC00)

TERMINATE EXISTING WIRE  
ROPE SAFETY BARRIER AT  
CH.520 (MC00)

LAUNCESTON

PROPOSED PLANNING SCHEME CORRIDOR

HOBART

BRIGHTON BYPASS

DESIGN LINE MC00

LIMIT OF WORKS

DESIGN LINE MCW0

PROPOSED NEW PROPERTY BOUNDARY

RIFLE RANGE ROAD ONRAMP

PROVIDE PROPERTY ACCESS

PROVIDE WIRE ROPE SAFETY  
BARRIER BETWEEN CH.95 (MC00)  
AND CH.100 (MCW0)

CONNECT TO EXISTING WIRE ROPE  
SAFETY BARRIER AT CH.95 (MC00)

158420/18  
Y.Y. WANG

236942/1  
COMMONWEALTH OF AUSTRALIA

## CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190

|  |                    |         |      |          |      |                    |  |
|--|--------------------|---------|------|----------|------|--------------------|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |         |      |          |      |                    |  |
| PROJECT FILING NO.<br>HB09034              | LOADING            |         |      |          |      |                    |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |         |      |          |      |                    |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |         |      |          |      |                    |  |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |

|                    |        |
|--------------------|--------|
| SCALES AT A1 SIZE  | 1:1000 |
| UNITS U.N.O        | METRES |
| REFERENCE DRAWINGS |        |

**PITT & SHERRY**  
ASBN 77 000 586 083

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HB09034-C101

|                   |                 |
|-------------------|-----------------|
| DESIGNED<br>LA/RW | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

|   |
|---|
| DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES                      |
| MIDLAND HIGHWAY<br>BAGDAD BYPASS<br>GENERAL ARRANGEMENT - SHEET 1 OF 31 |

|                          |                        |
|--------------------------|------------------------|
| FROM LINK No. / DISTANCE | TO LINK No. / DISTANCE |
| CONTRACT No.             | SHEET No.<br>15        |
| DRG. No.<br>HB09034-C101 |                        |



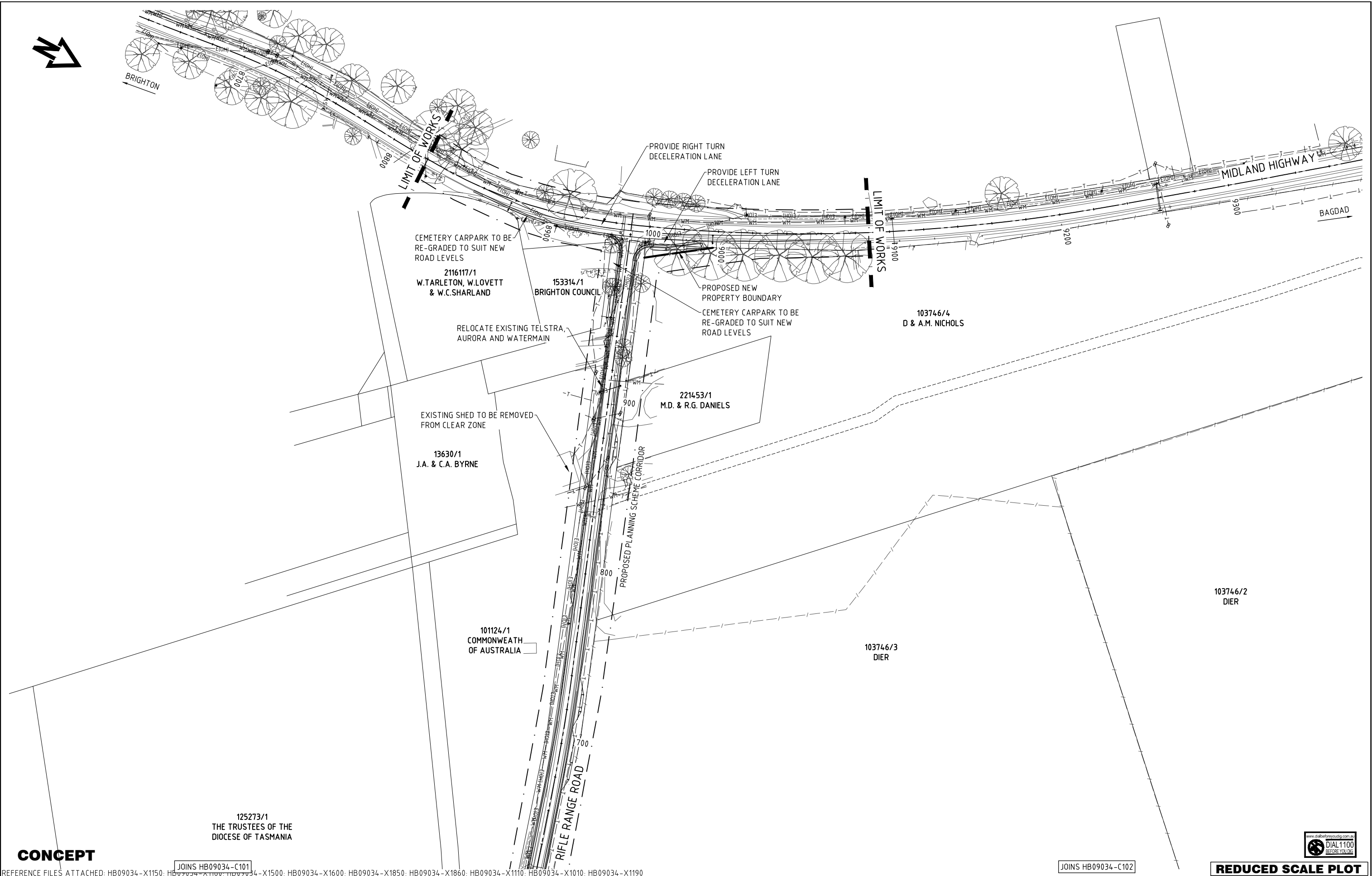
REDUCED SCALE PLOT

May 31, 11 - 14:35:37 Name: HB09034-C101.dwg Updated By: Lloyd Allen





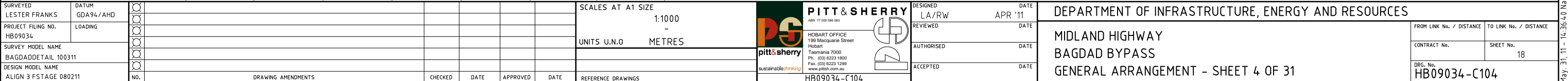




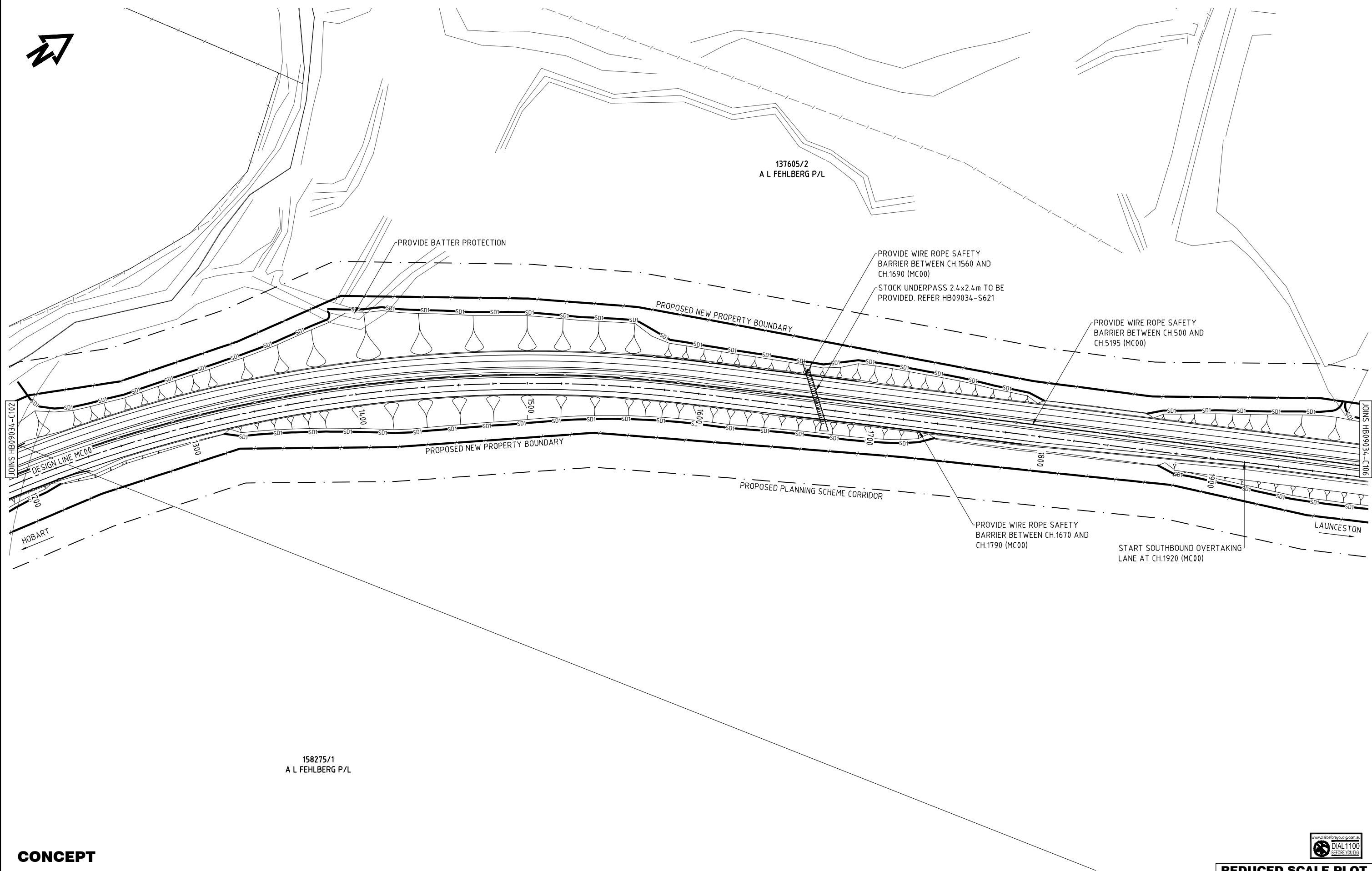
|  |                    |         |      |          |      |                    |                   |   |                        |
|--|--------------------|---------|------|----------|------|--------------------|-------------------|---|------------------------|
| REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1150; HB09034-X1150; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190 |                    |         |      |          |      |                    |                   |   |                        |
| SURVEYED<br>LESTER FRANKS  | DATUM<br>GDA94/AHD |         |      |          |      |                    |                   |   |                        |
| PROJECT FILING NO.<br>HB09034  | LOADING            |         |      |          |      |                    |                   |   |                        |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |         |      |          |      |                    |                   |   |                        |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211   |                    |         |      |          |      |                    |                   |   |                        |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |                   |   |                        |
| SCALES AT A1 SIZE<br>1:1000<br>UNITS U.N.O METRES  |                    |         |      |          |      |                    |                   |   |                        |
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| HB09034-C103   |                    |         |      |          |      |                    | REVIEWED          | DATE  | DATE                   |
|  |                    |         |      |          |      |                    | AUTHORISED        | DATE  | DATE                   |
|  |                    |         |      |          |      |                    | ACCEPTED          | DATE  | DATE                   |
| DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES   |                    |         |      |          |      |                    |                   | MIDLAND HIGHWAY<br>BAGDAD BYPASS<br>GENERAL ARRANGEMENT - SHEET 3 OF 31 |                        |
|  |                    |         |      |          |      |                    |                   | FROM LINK No. / DISTANCE  | TO LINK No. / DISTANCE |
|  |                    |         |      |          |      |                    |                   | CONTRACT No.  | SHEET No.<br>17        |
|  |                    |         |      |          |      |                    |                   | DRG. No.<br>HB09034-C103  |                        |

May 31, 11 - 14:36:19 Name: HB09034-C103.dwg Updated By: Lloyd Allen









REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190

|  |                    |         |      |          |      |                    |  |
|--|--------------------|---------|------|----------|------|--------------------|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |         |      |          |      |                    |  |
| PROJECT FILING NO.<br>HB09034              | LOADING            |         |      |          |      |                    |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |         |      |          |      |                    |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |         |      |          |      |                    |  |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |

|   |  |
|---|--|
| SCALES AT A1 SIZE<br>1:1000<br>-<br>UNITS U.N.O<br>METRES |  |
| REFERENCE DRAWINGS  |  |



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HB09034-C105

|                   |                 |
|-------------------|-----------------|
| DESIGNED<br>LA/RW | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES

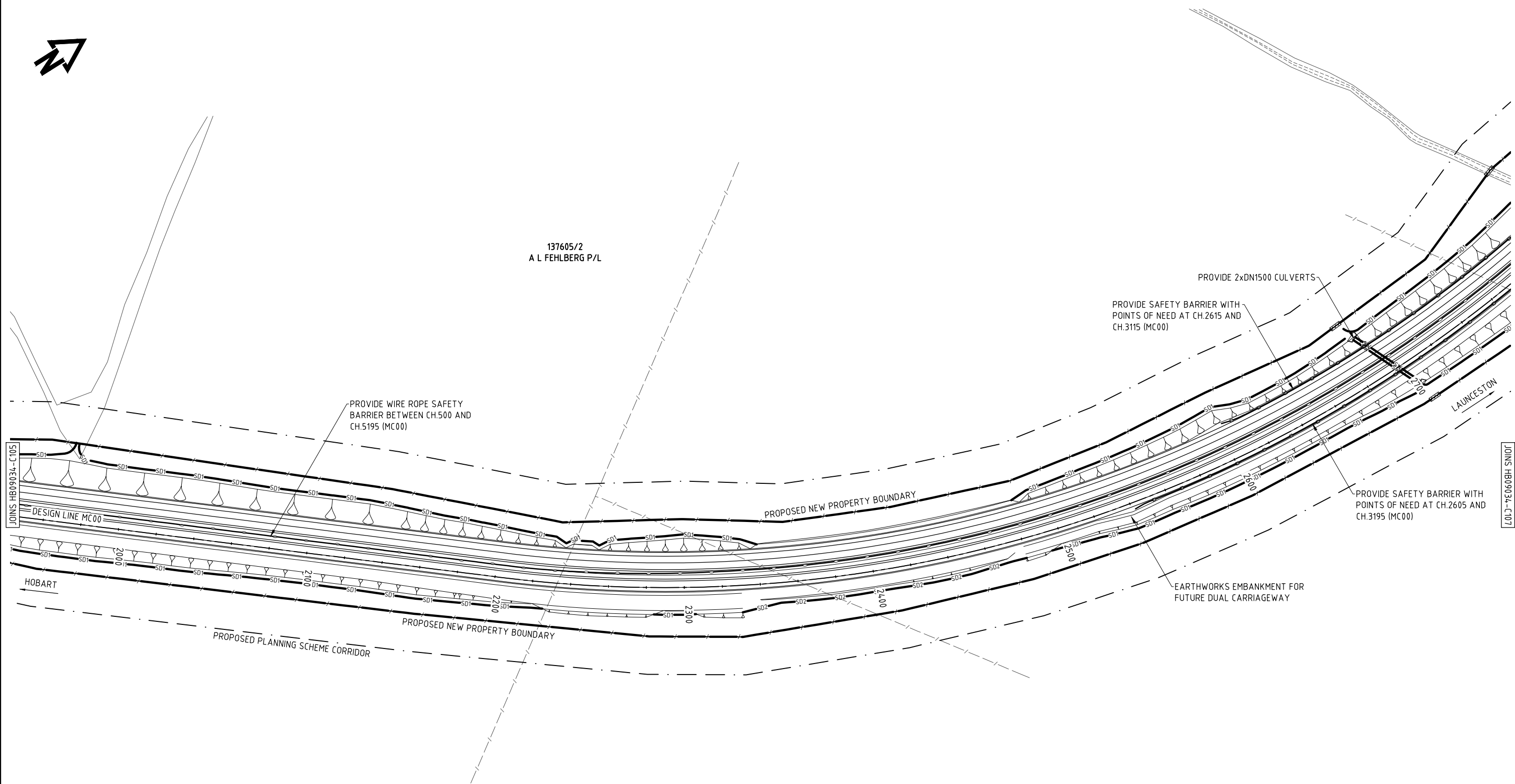
MIDLAND HIGHWAY  
BAGDAD BYPASS  
GENERAL ARRANGEMENT - SHEET 5 OF 31

FROM LINK No. / DISTANCE  
CONTRACT No.

TO LINK No. / DISTANCE  
SHEET No.  
19

DRG. No.  
HB09034-C105





CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190

|  |                    |         |      |          |      |                    |  |
|--|--------------------|---------|------|----------|------|--------------------|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |         |      |          |      |                    |  |
| PROJECT FILING NO.<br>HB09034              | LOADING            |         |      |          |      |                    |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |         |      |          |      |                    |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |         |      |          |      |                    |  |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |

|                    |        |
|--------------------|--------|
| SCALES AT A1 SIZE  | 1:1000 |
| UNITS U.N.O        | METRES |
| REFERENCE DRAWINGS |        |



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|-------------------|-----------------|
| DESIGNED<br>LA/RW | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES

MIDLAND HIGHWAY  
BAGDAD BYPASS  
GENERAL ARRANGEMENT - SHEET 6 OF 31

FROM LINK No. / DISTANCE

TO LINK No. / DISTANCE

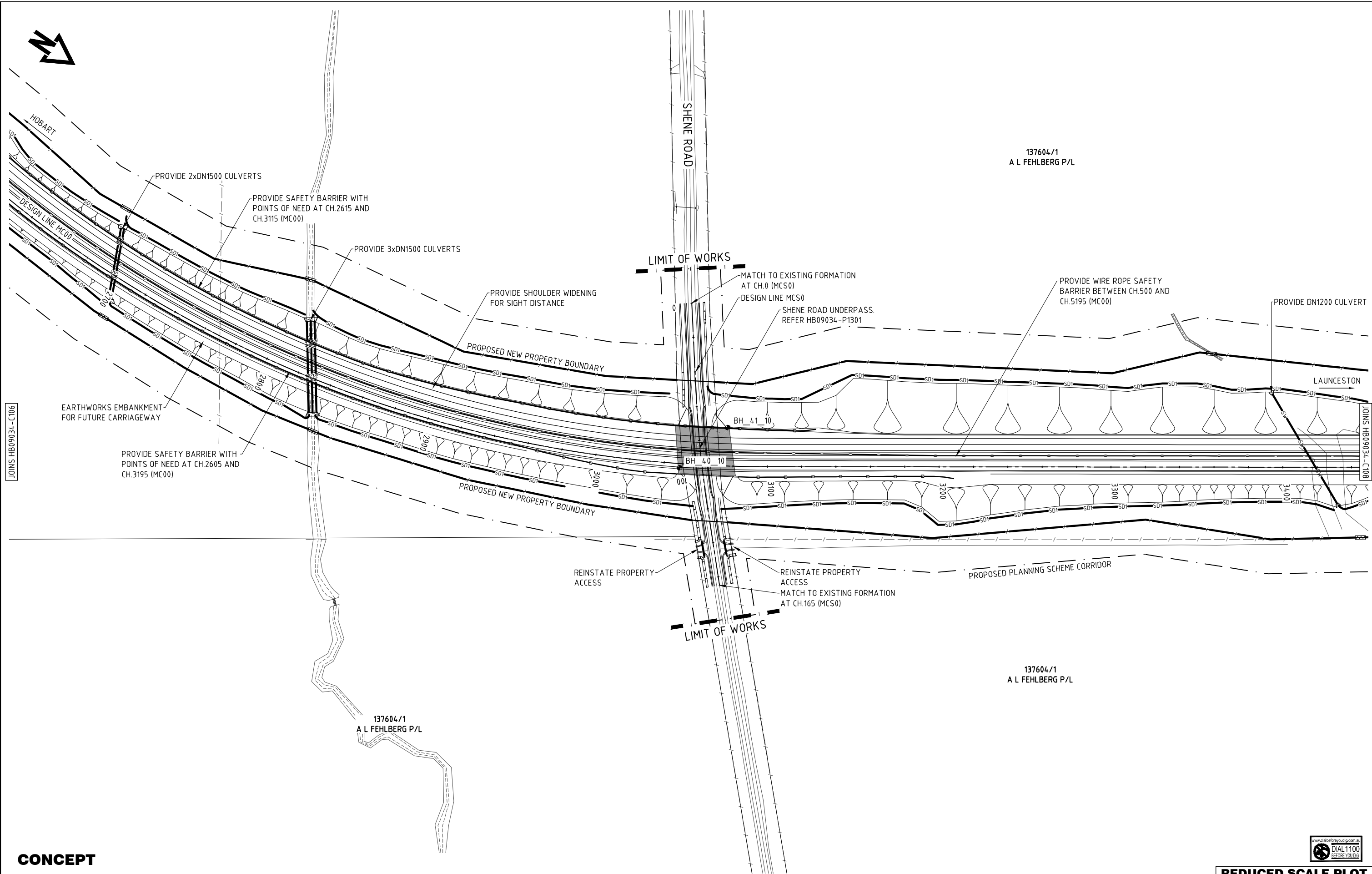
CONTRACT No.

SHEET No.  
20

DRG. No.  
HB09034-C106







CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190

|  |                    |         |      |          |      |                    |  |
|--|--------------------|---------|------|----------|------|--------------------|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |         |      |          |      |                    |  |
| PROJECT FILING NO.<br>HB09034              | LOADING            |         |      |          |      |                    |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |         |      |          |      |                    |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |         |      |          |      |                    |  |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |

|                    |        |
|--------------------|--------|
| SCALES AT A1 SIZE  |        |
| 1:1000             |        |
| UNITS U.N.O        | METRES |
| REFERENCE DRAWINGS |        |



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| DESIGNED<br>LA/RW | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

|   |                        |
|---|------------------------|
| DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES                      |                        |
| MIDLAND HIGHWAY<br>BAGDAD BYPASS<br>GENERAL ARRANGEMENT - SHEET 7 OF 31 |                        |
| FROM LINK No. / DISTANCE  | TO LINK No. / DISTANCE |
| CONTRACT No.  | SHEET No.<br>21        |
| DRG. No.<br>HB09034-C107  |                        |



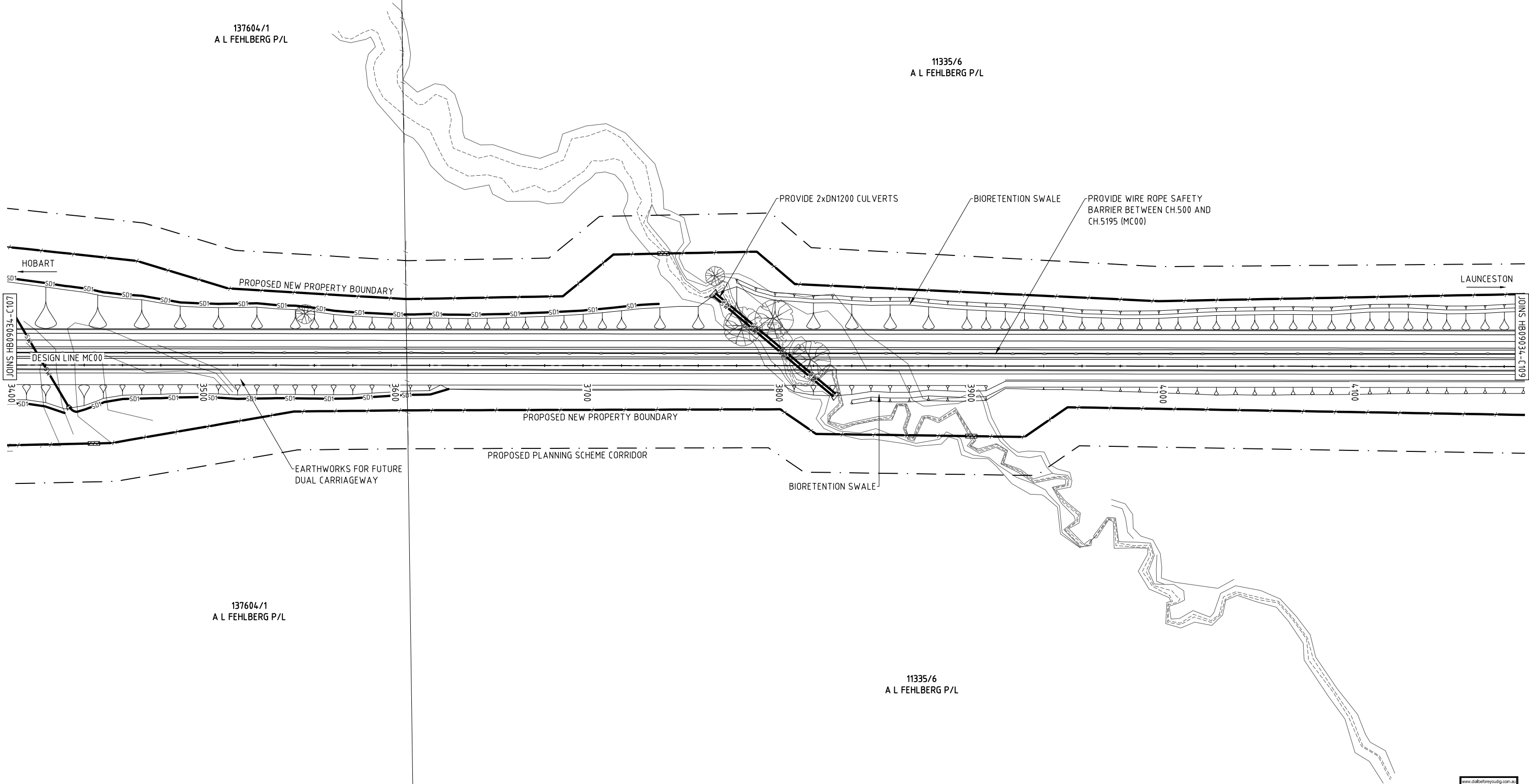
REDUCED SCALE PLOT





137604/1  
A L FEHLBERG P/L

11335/6  
A L FEHLBERG P/L



137604/1  
A L FEHLBERG P/L

11335/6  
A L FEHLBERG P/L

CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190

|  |                    |                                     |      |          |      |                    |  |
|--|--------------------|-------------------------------------|------|----------|------|--------------------|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD | <input checked="" type="checkbox"/> |      |          |      |                    |  |
| PROJECT FILING NO.<br>HB09034              | LOADING            | <input checked="" type="checkbox"/> |      |          |      |                    |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    | <input checked="" type="checkbox"/> |      |          |      |                    |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    | <input checked="" type="checkbox"/> |      |          |      |                    |  |
| NO.  | DRAWING AMENDMENTS | CHECKED                             | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |

|                    |        |
|--------------------|--------|
| SCALES AT A1 SIZE  | 1:1000 |
| UNITS U.N.O        | METRES |
| REFERENCE DRAWINGS |        |



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HB09034-C108

|                   |                 |
|-------------------|-----------------|
| DESIGNED<br>LA/RW | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES

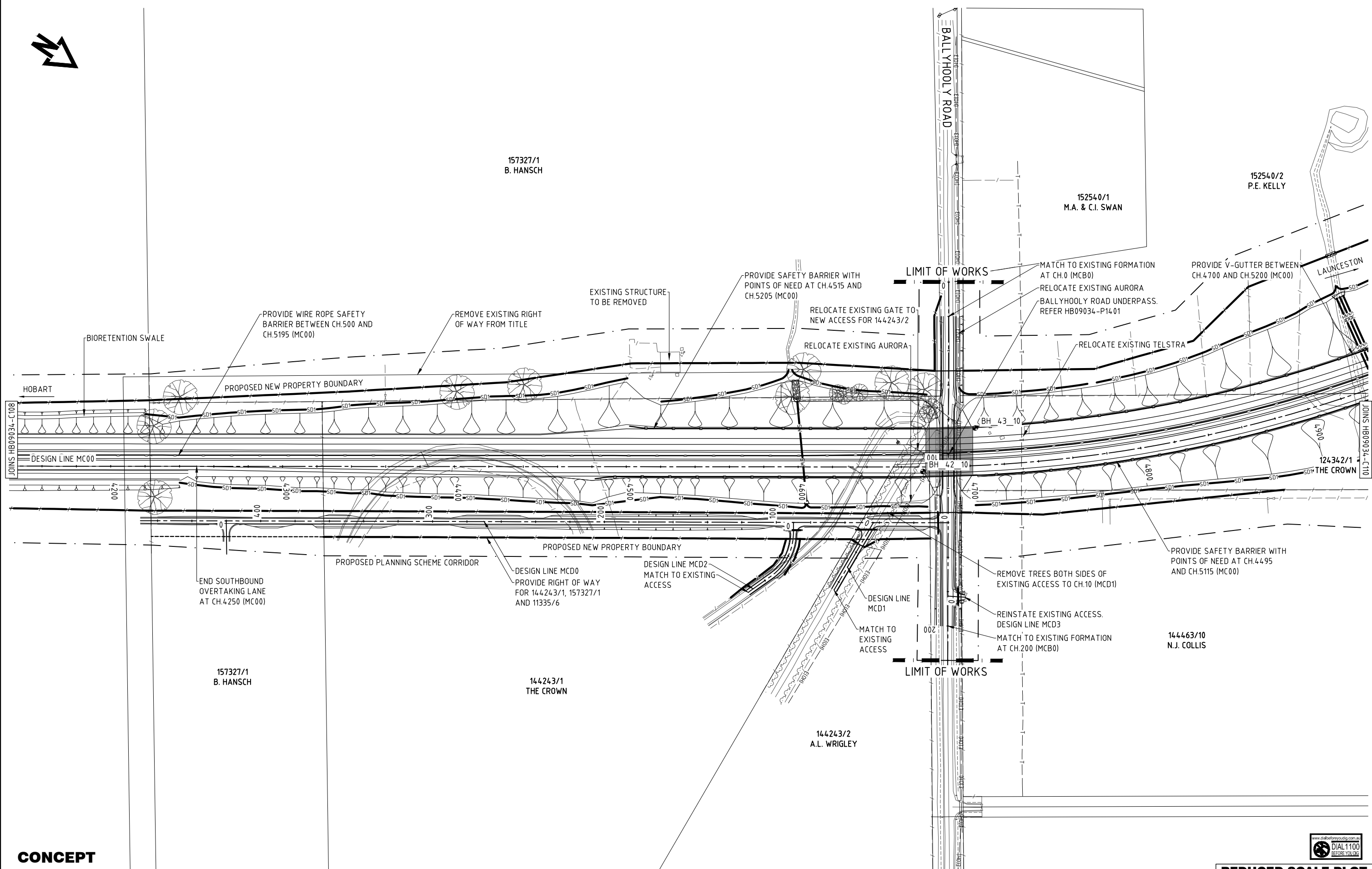
MIDLAND HIGHWAY  
BAGDAD BYPASS  
GENERAL ARRANGEMENT - SHEET 8 OF 31

|                          |                        |
|--------------------------|------------------------|
| FROM LINK No. / DISTANCE | TO LINK No. / DISTANCE |
| CONTRACT No.             | SHEET No.<br>22        |
| DRG. No.<br>HB09034-C108 |                        |



REDUCED SCALE PLOT





CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190

|  |                    |         |      |          |      |                    |  |
|--|--------------------|---------|------|----------|------|--------------------|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |         |      |          |      |                    |  |
| PROJECT FILING NO.<br>HB09034              | LOADING            |         |      |          |      |                    |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |         |      |          |      |                    |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |         |      |          |      |                    |  |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |

|                    |        |
|--------------------|--------|
| SCALES AT A1 SIZE  |        |
| 1:1000             |        |
| UNITS U.N.O        | METRES |
| REFERENCE DRAWINGS |        |



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| DESIGNED<br>LA/RW | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES

MIDLAND HIGHWAY  
BAGDAD BYPASS  
GENERAL ARRANGEMENT - SHEET 9 OF 31

|                          |                        |
|--------------------------|------------------------|
| FROM LINK No. / DISTANCE | TO LINK No. / DISTANCE |
| CONTRACT No.             | SHEET No.<br>23        |
| DRG. No.<br>HB09034-C109 |                        |



REDUCED SCALE PLOT

May 31, 11 - 14:38:22 Name: HB09034-C109.dwg Updated By: Lloyd Allen





12919/3  
A & M BESIER

148583/1  
SNOWGUM PASTORAL CO P/L

144463/9  
S.A. TOOMEY

148583/1  
SNOWGUM PASTORAL CO P/L

www.dialbeforeyoudig.com.au

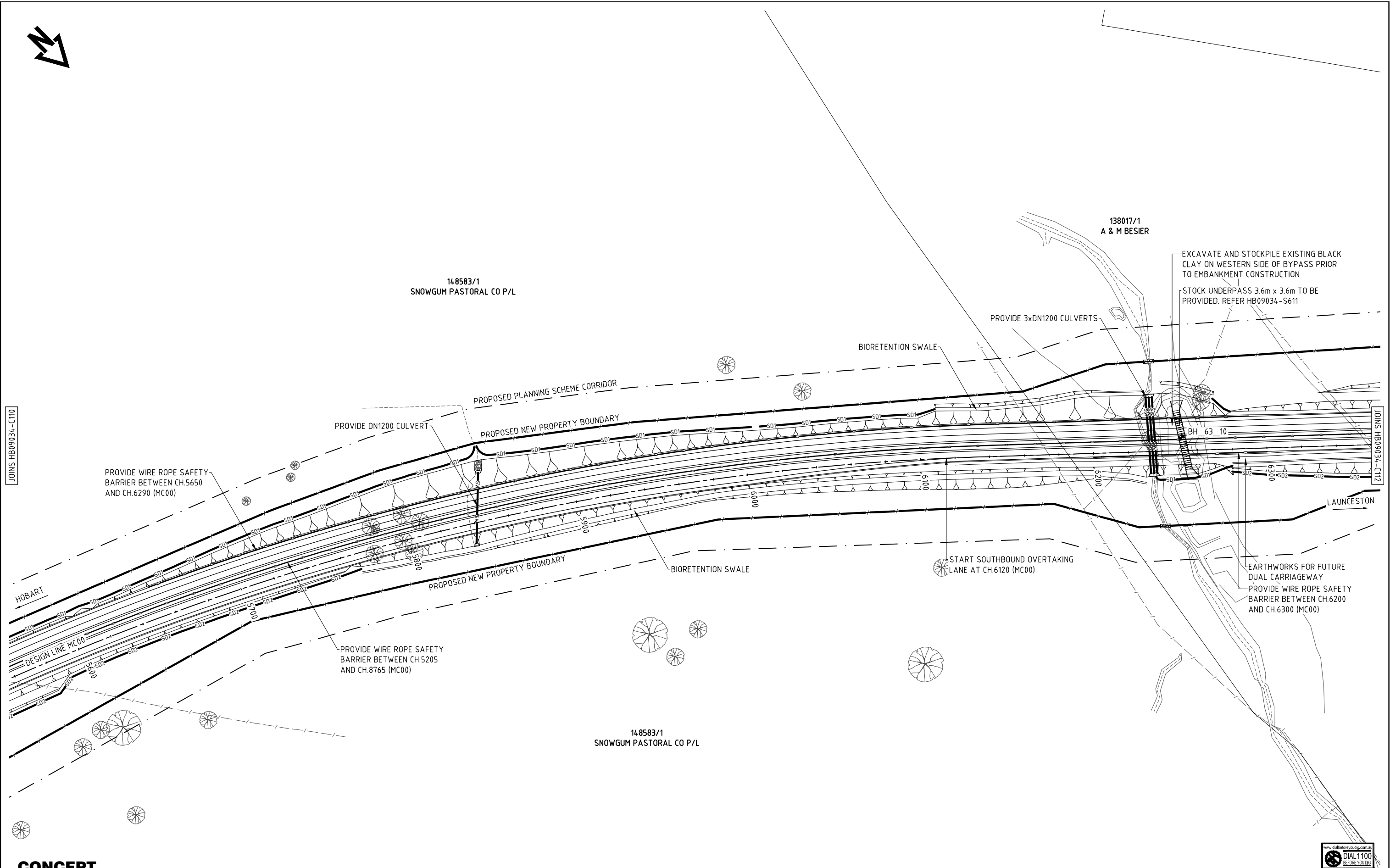
 **DIAL 1100**  
BEFORE YOU DIG

### REDUCED SCALE PLOT




[illegible]

May. 31, 11 - 14:38:43 Name: HB09034-C110.dwg Updated By: Lloyd Allen





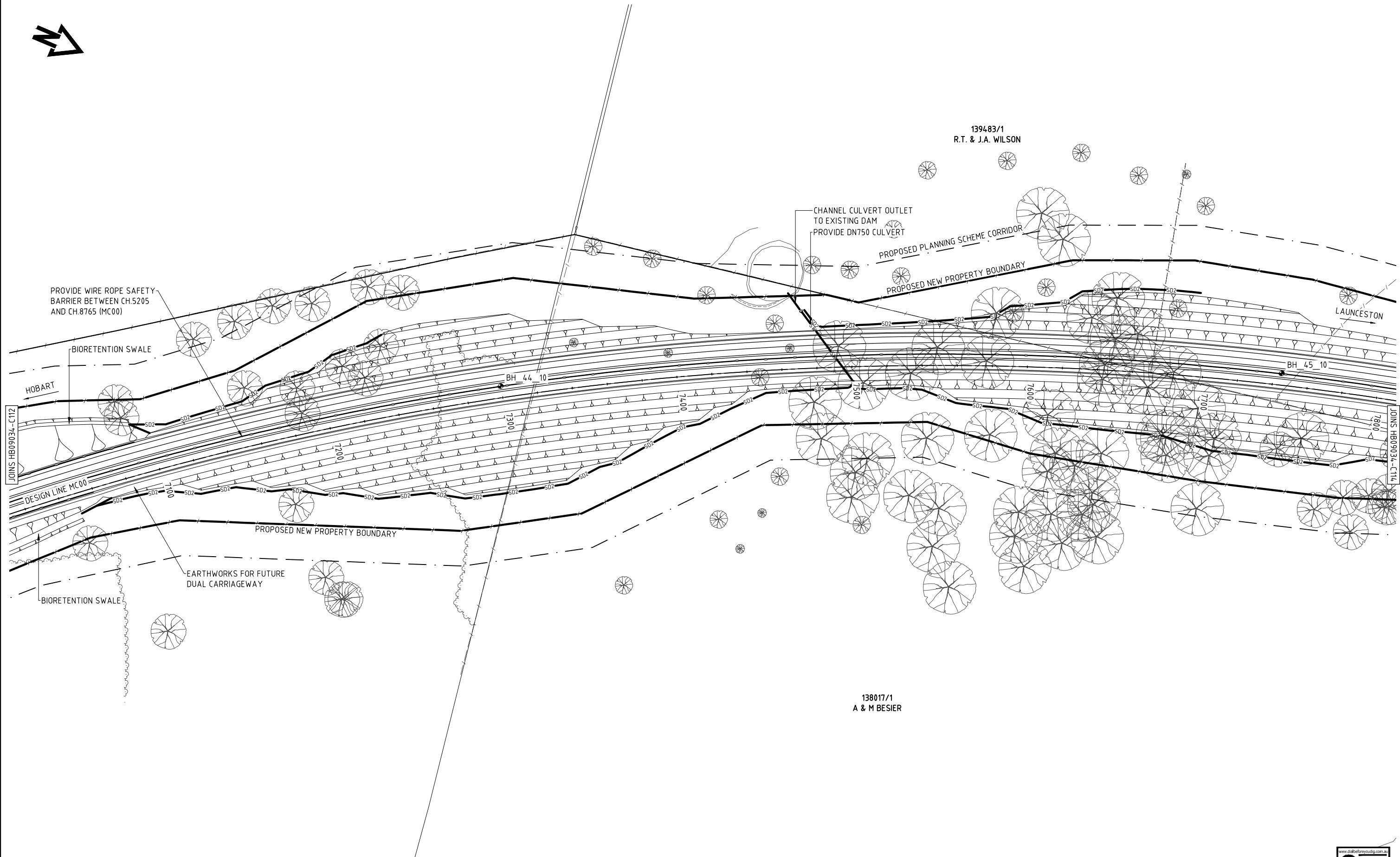
REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190

|  |  |                    |  |  |  |         |  |                             |  |   |  |                   |  |   |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--------------------|--|--|--|---------|--|-----------------------------|--|---|--|-------------------|--|---|--|--|--|--|--|--|--|--|--|--|--|
| SURVEYED<br>LESTER FRANKS                  |  | DATUM<br>GDA94/AHD |  |  |  |         |  | SCALES AT A1 SIZE<br>1:1000 |  | <br><b>PITT &amp; SHERRY</b><br><small>ABN 77 000 590 983</small><br>                               |  | DESIGNED<br>LA/RW |  | DATE<br>APR '11   |  | DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES                       |  |  |  |  |  |  |  |  |  |
| PROJECT FILING NO.<br>HB09034              |  | LOADING            |  |  |  |         |  | UNITS U.N.O<br>METRES       |  | <br><b>pitt &amp; sherry</b><br><small>HOBBART OFFICE<br/>198 Macquarie Street<br/>Hobart<br/>Tasmania 7000<br/>Ph: (03) 6223 1900<br/>Fax: (03) 6223 1299<br/>www.pittsh.com.au</small> |  | REVIEWED          |  | DATE  |  | MIDLAND HIGHWAY<br>BAGDAD BYPASS<br>GENERAL ARRANGEMENT - SHEET 11 OF 31 |  |  |  |  |  |  |  |  |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |  |                    |  |  |  |         |  |                             |  | AUTHORISED  |  | DATE              |  | FROM LINK No. / DISTANCE<br>TO LINK No. / DISTANCE<br>CONTRACT No.<br>SHEET No.<br>25 |  |  |  |  |  |  |  |  |  |  |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |  |                    |  |  |  |         |  |                             |  | ACCEPTED  |  | DATE              |  | DRG. No.<br>HB09034-C111  |  |  |  |  |  |  |  |  |  |  |  |
| NO.  |  | DRAWING AMENDMENTS |  |  |  | CHECKED |  | DATE                        |  | APPROVED  |  | DATE              |  | REFERENCE DRAWINGS  |  |  |  |  |  |  |  |  |  |  |  |

May. 31, 11 - 14:39:03 Name: HB09034-C111.dwg Updated By: Lloyd Allen







CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190

|  |                    |         |      |          |      |                    |  |
|--|--------------------|---------|------|----------|------|--------------------|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |         |      |          |      |                    |  |
| PROJECT FILING NO.<br>HB09034              | LOADING            |         |      |          |      |                    |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |         |      |          |      |                    |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |         |      |          |      |                    |  |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |

|                    |        |
|--------------------|--------|
| SCALES AT A1 SIZE  |        |
| 1:1000             |        |
| UNITS U.N.O        | METRES |
| REFERENCE DRAWINGS |        |



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HB09034-C113

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| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES

MIDLAND HIGHWAY  
BAGDAD BYPASS  
GENERAL ARRANGEMENT - SHEET 13 OF 31

|                          |                        |
|--------------------------|------------------------|
| FROM LINK No. / DISTANCE | TO LINK No. / DISTANCE |
| CONTRACT No.             | SHEET No.<br>27        |
| DRG. No.<br>HB09034-C113 |                        |





139483/1  
R.T. & J.A. WILSON

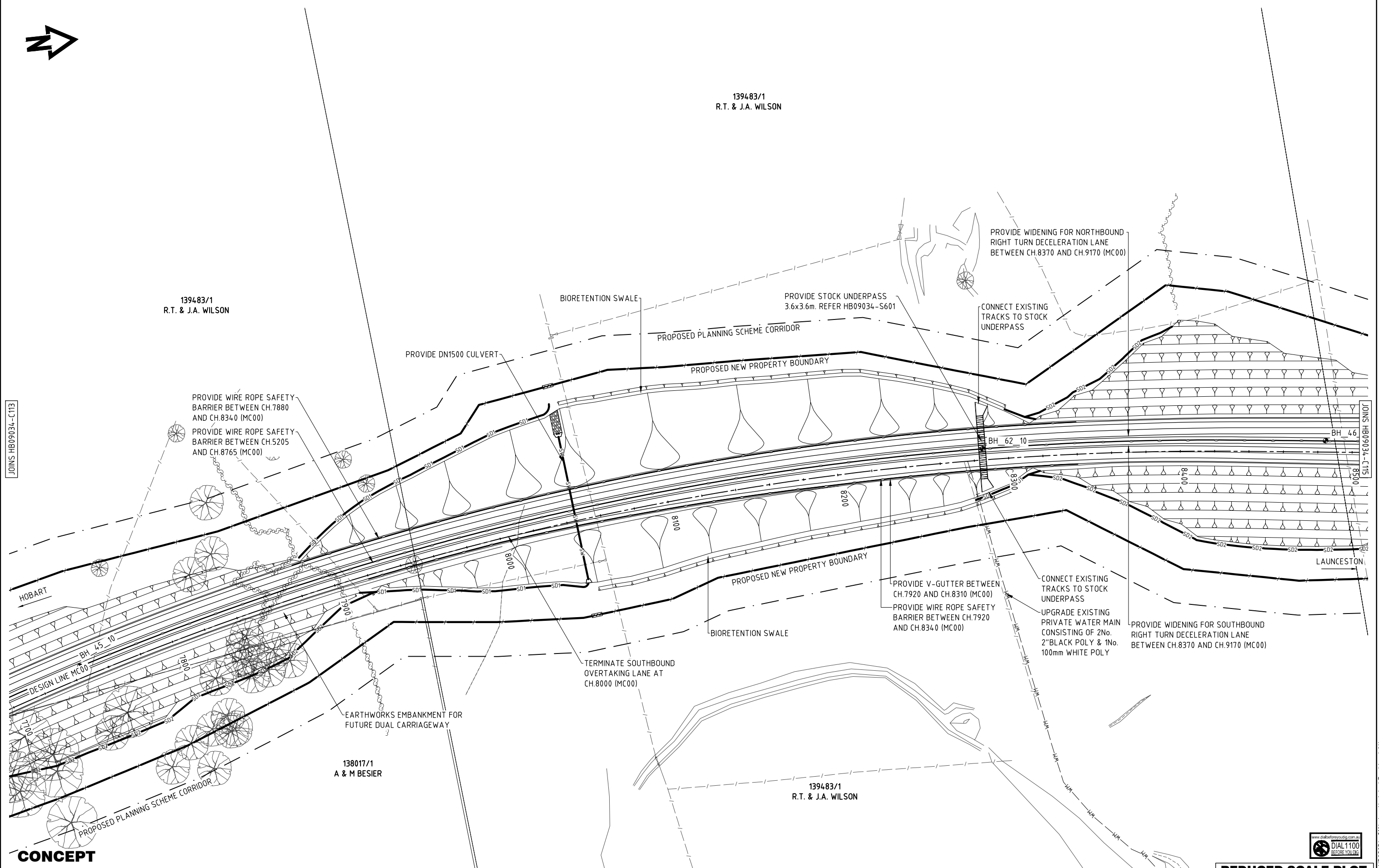
139483/1  
R.T. & J.A. WILSON

138017/1  
A & M BESIER

139483/1  
R.T. & J.A. WILSON

JOINS HB09034-C113

JOINS HB09034-C115



CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190

|  |                    |         |      |          |      |                    |  |  |  |
|--|--------------------|---------|------|----------|------|--------------------|--|--|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |         |      |          |      |                    |  |  |  |
| PROJECT FILING NO.<br>HB09034              | LOADING            |         |      |          |      |                    |  |  |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |         |      |          |      |                    |  |  |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |         |      |          |      |                    |  |  |  |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |  |  |

|                   |        |
|-------------------|--------|
| SCALES AT A1 SIZE | 1:1000 |
| UNITS U.N.O       | METRES |

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HB09034-C114

|                   |                 |
|-------------------|-----------------|
| DESIGNED<br>LA/RW | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES

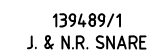
MIDLAND HIGHWAY  
BAGDAD BYPASS  
GENERAL ARRANGEMENT - SHEET 14 OF 31

|                          |                        |
|--------------------------|------------------------|
| FROM LINK No. / DISTANCE | TO LINK No. / DISTANCE |
| CONTRACT No.             | SHEET No.<br>28        |
| DRG. No.<br>HB09034-C114 |                        |


REDUCED SCALE PLOT



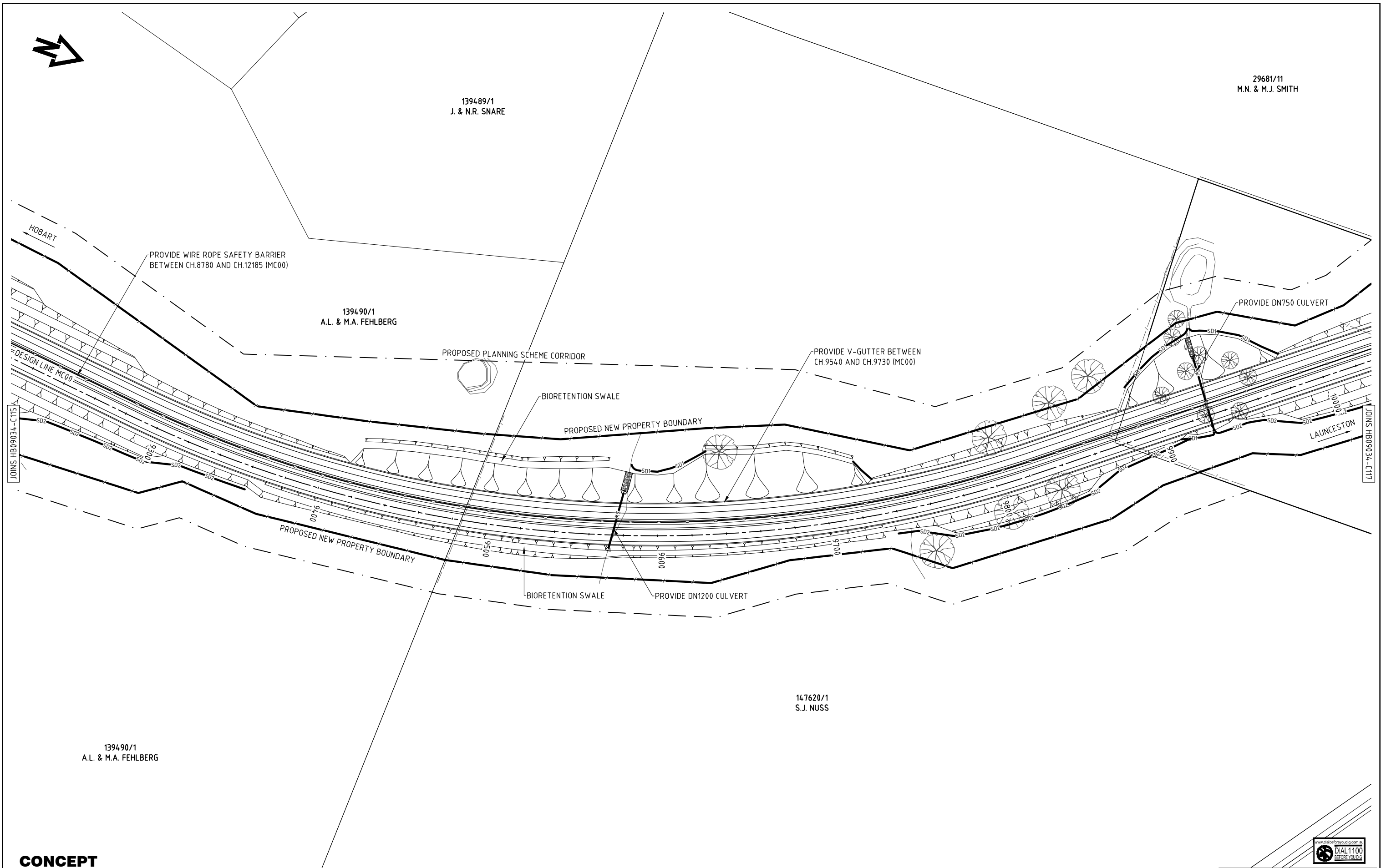




### REDUCED SCALE PLOT

|  |  |                               |  |                    |  |         |  |      |  |          |  |  |  |  |  |                                      |  |  |  |  |  |
|--|--|-------------------------------|--|--------------------|--|---------|--|------|--|----------|--|--|--|--|--|--------------------------------------|--|--|--|--|--|
| SURVEYED<br>LESTER FRANKS<br>PROJECT FILING NO.<br>HB09034 |  | DATUM<br>GDA94/AHD<br>LOADING |  |                    |  |         |  |      |  |          |  | SCALES AT A1 SIZE<br>1:1000<br>-<br>UNITS U.N.O METRES |  |  <b>PITT &amp; SHERRY</b><br><small>ABN 77 006 086 083</small><br>HOBART OFFICE<br>189 Macquarie Street<br>Hobart<br>Tasmania 7000<br>Ph: (03) 6223 1800<br>Fax: (03) 6223 1269<br><a href="http://www.pittsherry.com.au">www.pittsherry.com.au</a> |  | DESIGNED<br>LA/RW<br>DATE<br>APR '11 |  | DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES                       |  |  |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311                   |  |                               |  |                    |  |         |  |      |  |          |  |  |  |  |  | REVIEWED<br>DATE                     |  | MIDLAND HIGHWAY<br>BAGDAD BYPASS<br>GENERAL ARRANGEMENT - SHEET 15 OF 31 |  |  |  |
| DESIGN MODEL NAME<br>ALIGN 3 STAGE 080211                  |  |                               |  |                    |  |         |  |      |  |          |  |  |  |  |  | AUTHORISED<br>DATE                   |  | FROM LINK No. / DISTANCE<br>TO LINK No. / DISTANCE                       |  |  |  |
|  |  |                               |  |                    |  |         |  |      |  |          |  |  |  |  |  | ACCEPTED<br>DATE                     |  | CONTRACT No.<br>SHEET No.<br>29  |  |  |  |
|  |  | NO.                           |  | DRAWING AMENDMENTS |  | CHECKED |  | DATE |  | APPROVED |  | DATE   |  | REFERENCE DRAWINGS   |  | HB09034-C115                         |  | DRG. No.<br>HB09034-C115   |  |  |  |





139489/1  
J. & N.R. SNARE

139490/1  
A.L. & M.A. FEHLBERG

PROPOSED PLANNING SCHEME CORRIDOR

BIORETENTION SWALE

PROPOSED NEW PROPERTY BOUNDARY

✓ PROVIDE V-GUTTER BETWEEN  
CH.9540 AND CH.9730 (MC00)

-PROVIDE DN750 CULVERT

LAUNCESTON


147620/1  
S.J. NUSS

139490/1  
A.L. & M.A. FEHLBERG

REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190

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|  |                    |  |  |  |  |         |      |                       |  |                    |                 |  |                          |                        |
|--|--------------------|--|--|--|--|---------|------|-----------------------|--|--------------------|-----------------|--|--------------------------|------------------------|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |  |  |  |  |         |      | SCALES AT A1 SIZE     | <br><b>PITT &amp; SHERRY</b><br>4891 77 000 500 003<br>HOBART OFFICE<br>109 Macquarie Street<br>Hobart<br>Tasmania 7000<br>Ph: (03) 6223 1800<br>Fax: (03) 6223 1299<br>www.psh.com.au<br>sustainable <i>thinking</i> | DESIGNED<br>LA/RW  | DATE<br>APR '11 | DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES |                          |                        |
| PROJECT FILING NO.<br>HB09034              | LOADING            |  |  |  |  |         |      | 1:1000<br>-<br>METRES |  | REVIEWED           | DATE            |  | FROM LINK No. / DISTANCE | TO LINK No. / DISTANCE |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |  |  |  |  |         |      | UNITS U.N.O           |  | AUTHORISED         | DATE            |  | CONTRACT No.             | SHEET No.<br>30        |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |  |  |  |  |         |      |                       |  | ACCEPTED           | DATE            |  | DRG. No.<br>HB09034-C116 |                        |
|  |                    | SINGLE LANE SOUTHBOUND SECTION REMOVED |  |  |  |         | R.M. | MAY '11               |  |                    |                 |  |                          |                        |
| NO.  | DRAWING AMENDMENTS |  |  |  |  | CHECKED | DATE | APPROVED              | DATE   | REFERENCE DRAWINGS |                 |  |                          |                        |



May. 31, 11 - 14:40:45 Name: HB09034-C116.dwg Updated By: Lloyd Allen





## CONCEPT

**REDUCED SCALE PLOT**

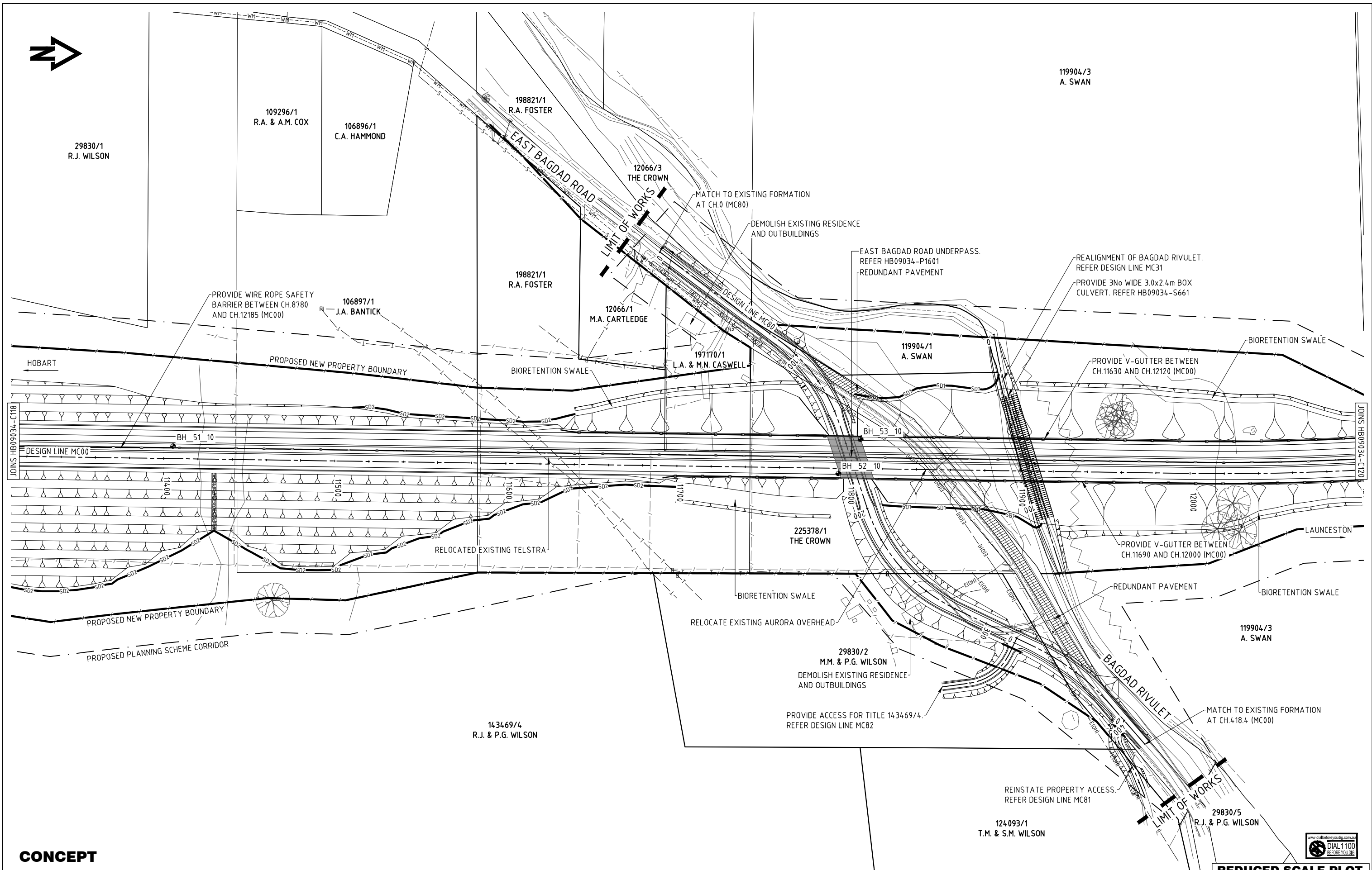
|   |  |                    |  |                                     |   |  |  |  |  |                         |         |      |  |          |   |      |                   |                    |                                      |  |  |                          |  |  |  |  |  |  |  |  |  |
|---|--|--------------------|--|-------------------------------------|---|--|--|--|--|-------------------------|---------|------|--|----------|---|------|-------------------|--------------------|--------------------------------------|--|--|--------------------------|--|--|--|--|--|--|--|--|--|
| REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190 |  |                    |  |                                     |   |  |  |  |  |                         |         |      |  |          | <b>REDUCED SCALE PLOT</b>   |      |                   |                    |                                      |  |  |                          |  |  |  |  |  |  |  |  |  |
| SURVEYED<br>LESTER FRANKS   |  | DATUM<br>GDA94/AHD |  | <input type="checkbox"/>            |   |  |  |  |  | SCALES AT A1 SIZE       |         |      |  |          |  <b>PITT &amp; SHERRY</b><br>ABN 77 000 588 083<br><br><br>HOBART OFFICE<br>190 Macquarie Street<br>Hobart<br>Tasmania 7000<br>Ph: (03) 6223 1800<br>Fax: (03) 6223 1299<br>www.pittsherry.com.au |      | DESIGNED<br>LA/RW |                    | DATE<br>APR '11                      |  | DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES |                          |  |  |  |  |  |  |  |  |  |
| PROJECT FILING NO.<br>HB09034   |  | LOADING            |  | <input type="checkbox"/>            |   |  |  |  |  | UNITS U.N.O      METRES |         |      |  |          |   |      | REVIEWED          |                    | DATE                                 |  | MIDLAND HIGHWAY<br>BAGDAD BYPASS                   |                          |  |  |  |  |  |  |  |  |  |
| SURVEY MODEL NAME<br>BAGDADDETAILED 100311  |  |                    |  | <input type="checkbox"/>            |   |  |  |  |  |                         |         |      |  |          | AUTHORISED  |      | DATE              |                    | GENERAL ARRANGEMENT - SHEET 17 OF 31 |  |  |                          |  |  |  |  |  |  |  |  |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211  |  |                    |  | <input checked="" type="checkbox"/> | SINGLE SOUTHBOUND LANE SECTION REMOVED; PROPERTY ACCESS ADDED |  |  |  |  | R.M.                    | MAY '11 |      |  |          | ACCEPTED  |      | DATE              |                    | FROM LINK No. / DISTANCE             |  |  |                          |  |  |  |  |  |  |  |  |  |
|   |  |                    |  | <input type="checkbox"/>            |   |  |  |  |  | CHECKED                 |         | DATE |  | APPROVED |   | DATE |                   | REFERENCE DRAWINGS |                                      |  |  | CONTRACT No.             |  |  |  |  |  |  |  |  |  |
|   |  |                    |  | <input type="checkbox"/>            |   |  |  |  |  |                         |         |      |  |          |   |      |                   |                    |                                      |  |  | SHEET No.<br>31          |  |  |  |  |  |  |  |  |  |
|   |  |                    |  | <input type="checkbox"/>            |   |  |  |  |  |                         |         |      |  |          |   |      |                   |                    |                                      |  |  | DRG. No.<br>HB09034-C117 |  |  |  |  |  |  |  |  |  |



**REDUCED SCALE PLOT**

|                          |                        |
|--------------------------|------------------------|
| FROM LINK No. / DISTANCE | TO LINK No. / DISTANCE |
| CONTRACT No.             | SHEET No.<br>32        |
| DRG. No.<br>HB09034-C118 |                        |



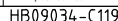


REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190

|  |                    |                          |     |                    |         |      |               |
|--|--------------------|--------------------------|-----|--------------------|---------|------|---------------|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD | <input type="checkbox"/> |     |                    |         |      |               |
| PROJECT FILING NO.<br>HB09034              | LOADING            | <input type="checkbox"/> |     |                    |         |      |               |
| SURVEY MODEL NAME<br>BAGDADETAIL 100311    |                    | <input type="checkbox"/> |     |                    |         |      |               |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    | <input type="checkbox"/> |     |                    |         |      |               |
|  |                    |                          | NO. | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED DATE |

| UNITS U.N.O | METRES |
|-------------|--------|
| 1           | 1      |
| 2           | 2      |
| 3           | 3      |
| 4           | 4      |
| 5           | 5      |
| 6           | 6      |
| 7           | 7      |
| 8           | 8      |
| 9           | 9      |
| 10          | 10     |
| 11          | 11     |
| 12          | 12     |
| 13          | 13     |
| 14          | 14     |
| 15          | 15     |
| 16          | 16     |
| 17          | 17     |
| 18          | 18     |
| 19          | 19     |
| 20          | 20     |
| 21          | 21     |
| 22          | 22     |
| 23          | 23     |
| 24          | 24     |
| 25          | 25     |
| 26          | 26     |
| 27          | 27     |
| 28          | 28     |
| 29          | 29     |
| 30          | 30     |
| 31          | 31     |
| 32          | 32     |
| 33          | 33     |
| 34          | 34     |
| 35          | 35     |
| 36          | 36     |
| 37          | 37     |
| 38          | 38     |
| 39          | 39     |
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| 41          | 41     |
| 42          | 42     |
| 43          | 43     |
| 44          | 44     |
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| 48          | 48     |
| 49          | 49     |
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| 51          | 51     |
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| 61          | 61     |
| 62          | 62     |
| 63          | 63     |
| 64          | 64     |
| 65          | 65     |
| 66          | 66     |
| 67          | 67     |
| 68          | 68     |
| 69          | 69     |
| 70          | 70     |
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| 72          | 72     |
| 73          | 73     |
| 74          | 74     |
| 75          | 75     |
| 76          | 76     |
| 77          | 77     |
| 78          | 78     |
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| 81          | 81     |
| 82          | 82     |
| 83          | 83     |
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| 86          | 86     |
| 87          | 87     |
| 88          | 88     |
| 89          | 89     |
| 90          | 90     |
| 91          | 91     |
| 92          | 92     |
| 93          | 93     |
| 94          | 94     |
| 95          | 95     |
| 96          | 96     |
| 97          | 97     |
| 98          | 98     |
| 99          | 99     |
| 100         | 100    |

### REFERENCE DRAWINGS



GENERAL

GENERAL ARRANGEMENT - SHEET 19 OF 31

|                          |                        |
|--------------------------|------------------------|
| FROM LINK No. / DISTANCE | TO LINK No. / DISTANCE |
| CONTRACT No.             | SHEET No.<br>33        |
| DRG. No.<br>HB09034-C119 |                        |

### REDUCED SCALE PLOT





23952/1  
A. SWAN



111495/2  
A.M. & R.M. HOWLETT



REDUCED SCALE PLOT

PROVIDE V-GUTTER BETWEEN  
CH.11630 AND CH.12120 (MC00)

PROVIDE SAFETY BARRIER WITH POINTS  
OF NEED AT CH.11645 AND CH.12095 (MC00)  
PROVIDE WIRE ROPE SAFETY  
BARRIER BETWEEN CH.8780  
AND CH.12185 (MC00)

PROVIDE 10m BREAK IN WIRE ROPE  
SAFETY BARRIER BETWEEN CH.12185  
AND CH.12195 (MC00). PROVIDE  
FRANGIBLE REBOUND BOLLARDS.

BIORETENTION SWALE

PROPOSED NEW PROPERTY BOUNDARY

HOBART

PROVIDE SAFETY BARRIER WITH  
POINTS OF NEED AT CH.11705  
AND CH.12245 (MC00)  
WIDEN SEALED SHOULDER TO 3m BETWEEN  
CH.12190 AND CH.12200 FOR INFORMAL  
U-TURN FACILITY

BIORETENTION SWALE

LANDSCAPING REQUIRED

DESIGN LINE MCT1

PROPOSED NEW PROPERTY BOUNDARY

PROPOSED PLANNING SCHEME CORRIDOR

DESIGN LINE MCT0  
PROVIDE TRUCK ARRESTER BED.  
REFER HB09034-C13  
PROVIDE DN750 CULVERT

PROVIDE 2xDN750 CULVERTS

## CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190

|  |                    |         |      |          |      |                    |  |
|--|--------------------|---------|------|----------|------|--------------------|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |         |      |          |      |                    |  |
| PROJECT FILING NO.<br>HB09034              | LOADING            |         |      |          |      |                    |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |         |      |          |      |                    |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |         |      |          |      |                    |  |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |

|   |  |
|---|--|
| SCALES AT A1 SIZE<br>1:1000<br>-<br>UNITS U.N.O<br>METRES |  |
| REFERENCE DRAWINGS  |  |



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HB09034-C120

|                   |                 |
|-------------------|-----------------|
| DESIGNED<br>LA/RW | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

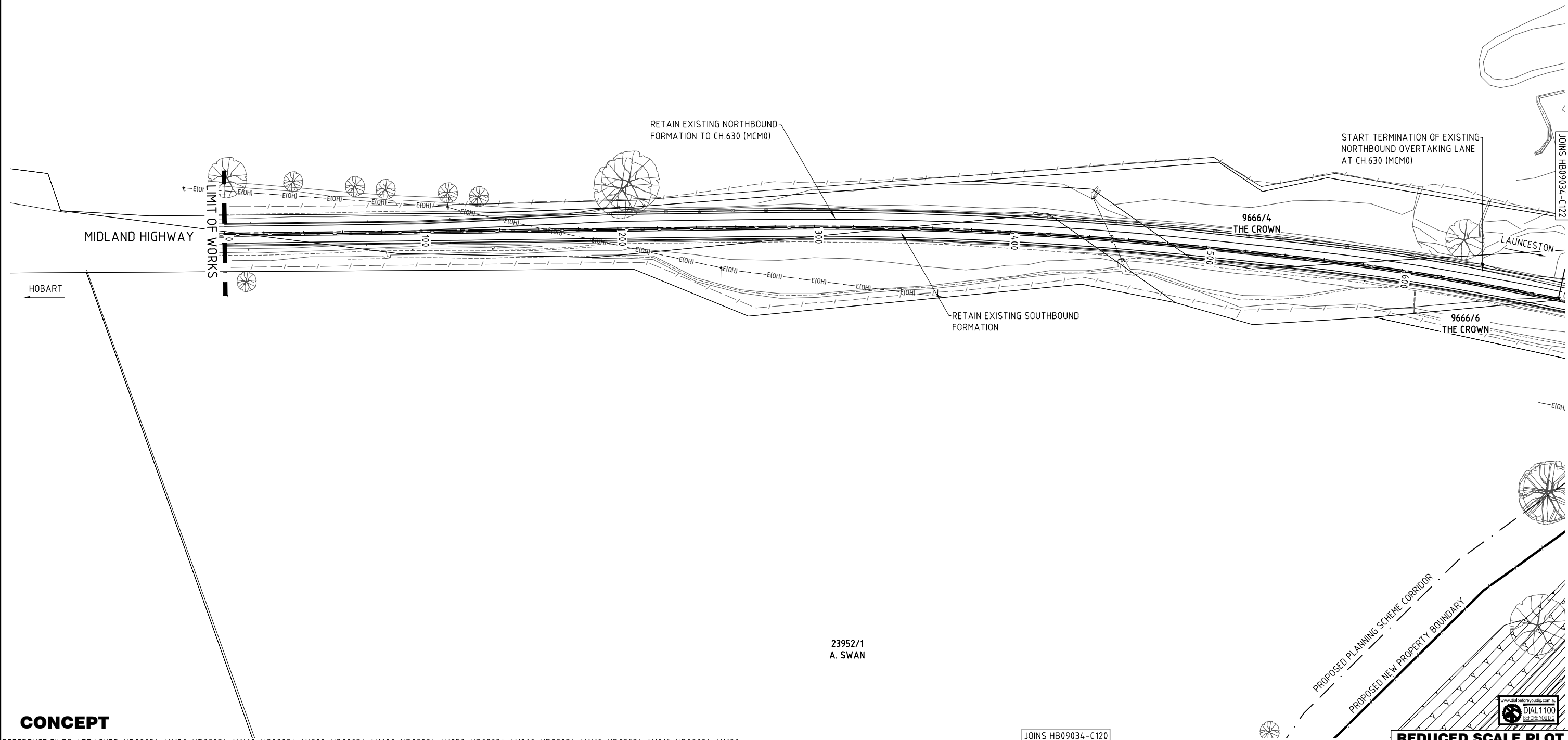
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|--|--------------------------|------------------------|
| DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES                       | FROM LINK No. / DISTANCE | TO LINK No. / DISTANCE |
| MIDLAND HIGHWAY<br>BAGDAD BYPASS<br>GENERAL ARRANGEMENT - SHEET 20 OF 31 | CONTRACT No.             | SHEET No.<br>34        |
|  | DRG. No.<br>HB09034-C120 |                        |

May 31, 11 - 16-42:13 Name: HB09034-C120.dwg Updated By: Lloyd Allen





119904/3  
A. SWAN



CONCEPT

23952/1  
A. SWAN

REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190

|  |                    |         |      |          |      |                    |  |
|--|--------------------|---------|------|----------|------|--------------------|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |         |      |          |      |                    |  |
| PROJECT FILING NO.<br>HB09034              | LOADING            |         |      |          |      |                    |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |         |      |          |      |                    |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |         |      |          |      |                    |  |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |

|   |  |
|---|--|
| SCALES AT A1 SIZE<br>1:1000<br>-<br>UNITS U.N.O<br>METRES |  |
|   |  |



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HB09034-C121

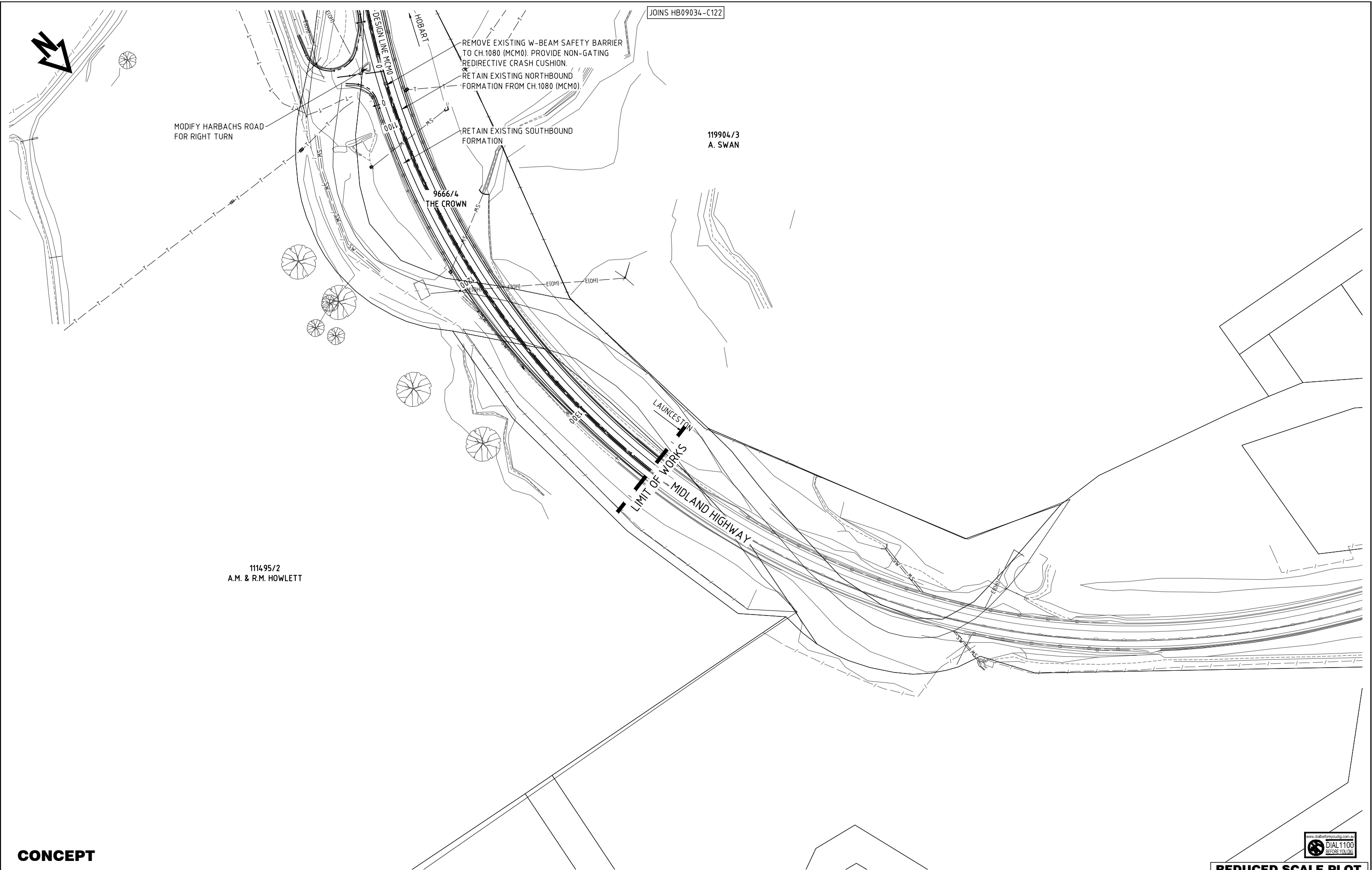
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|-------------------|-----------------|
| DESIGNED<br>LA/RW | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

|  |   |
|--|---|
| DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES                       |   |
| MIDLAND HIGHWAY<br>BAGDAD BYPASS<br>GENERAL ARRANGEMENT - SHEET 21 OF 31 |   |
| FROM LINK No. / DISTANCE<br>CONTRACT No.                                 | TO LINK No. / DISTANCE<br>SHEET No.<br>35 |
| DRG. No.<br>HB09034-C121   |   |

May 31, 11 - 14:42:33 Name: HB09034-C121.dwg Updated By: Lloyd Allen







CONCEPT

REDUCED SCALE PLOT

REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190; HB09034-X1510

|  |                    |                          |      |          |      |                    |  |
|--|--------------------|--------------------------|------|----------|------|--------------------|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD | <input type="checkbox"/> |      |          |      |                    |  |
| PROJECT FILING NO.<br>HB09034              | LOADING            | <input type="checkbox"/> |      |          |      |                    |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    | <input type="checkbox"/> |      |          |      |                    |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    | <input type="checkbox"/> |      |          |      |                    |  |
| NO.  | DRAWING AMENDMENTS | CHECKED                  | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |

|                   |        |
|-------------------|--------|
| SCALES AT A1 SIZE | 1:1000 |
| UNITS U.N.O       | METRES |



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HB09034-C123

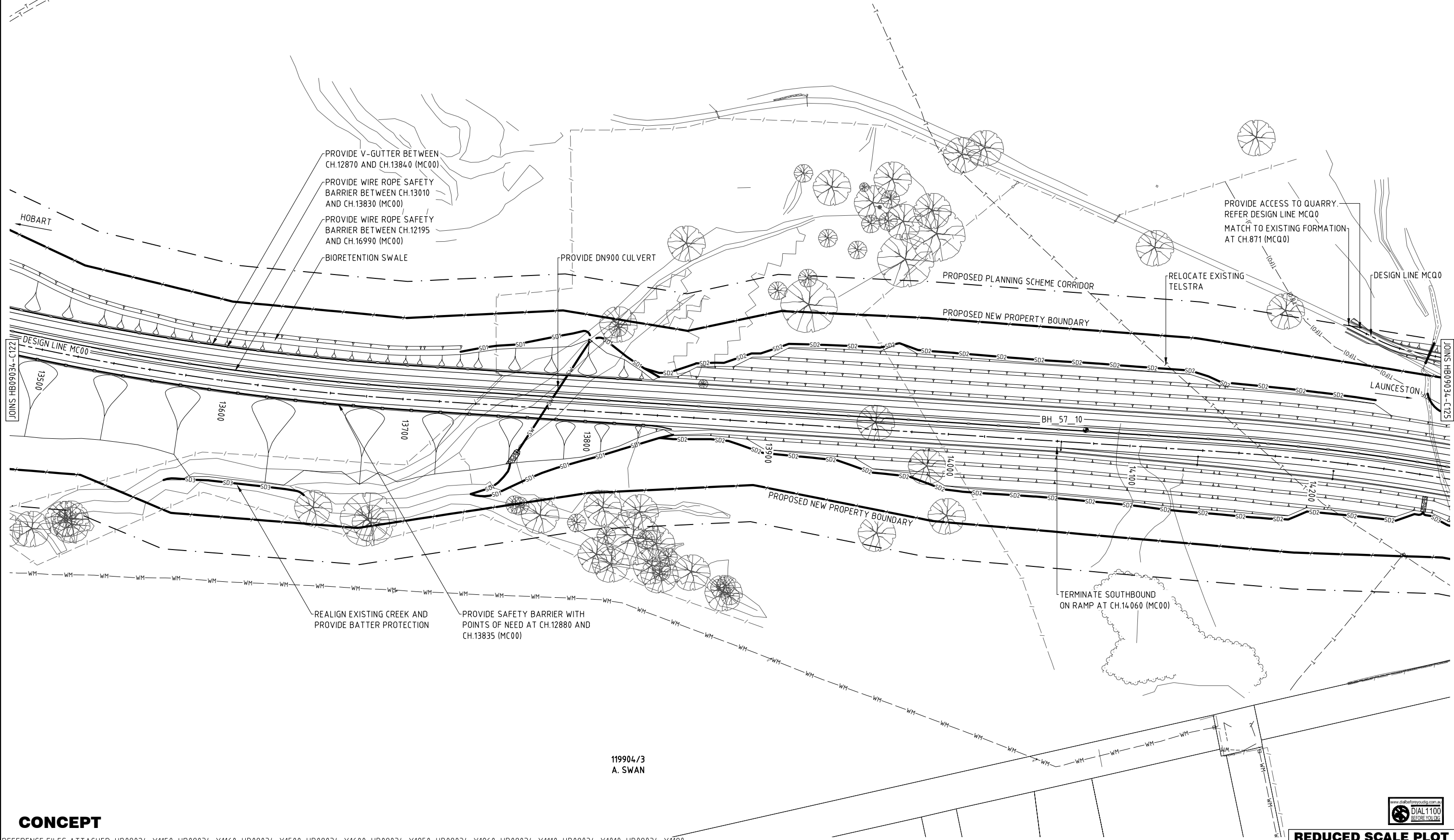
|                   |                 |
|-------------------|-----------------|
| DESIGNED<br>LA/RW | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

|  |                        |
|--|------------------------|
| DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES                       |                        |
| MIDLAND HIGHWAY<br>BAGDAD BYPASS<br>GENERAL ARRANGEMENT - SHEET 23 OF 31 |                        |
| FROM LINK No. / DISTANCE   | TO LINK No. / DISTANCE |
| CONTRACT No.   | SHEET No.<br>37        |
| DRG. No.<br>HB09034-C123   |                        |

May 31, 11 - 16:43:18 Name: HB09034-C123.dwg Updated By: Lloyd Allen



119904/3  
A. SWAN



119904/3  
A. SWAN

CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190

|  |                    |         |      |          |      |                    |  |
|--|--------------------|---------|------|----------|------|--------------------|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |         |      |          |      |                    |  |
| PROJECT FILING NO.<br>HB09034              | LOADING            |         |      |          |      |                    |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |         |      |          |      |                    |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |         |      |          |      |                    |  |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |

|                   |        |
|-------------------|--------|
| SCALES AT A1 SIZE | 1:1000 |
| UNITS U.N.O       | METRES |



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www.pittsherry.com.au

|                   |                 |
|-------------------|-----------------|
| DESIGNED<br>LA/RW | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES

MIDLAND HIGHWAY  
BAGDAD BYPASS  
GENERAL ARRANGEMENT - SHEET 24 OF 31

FROM LINK No. / DISTANCE TO LINK No. / DISTANCE

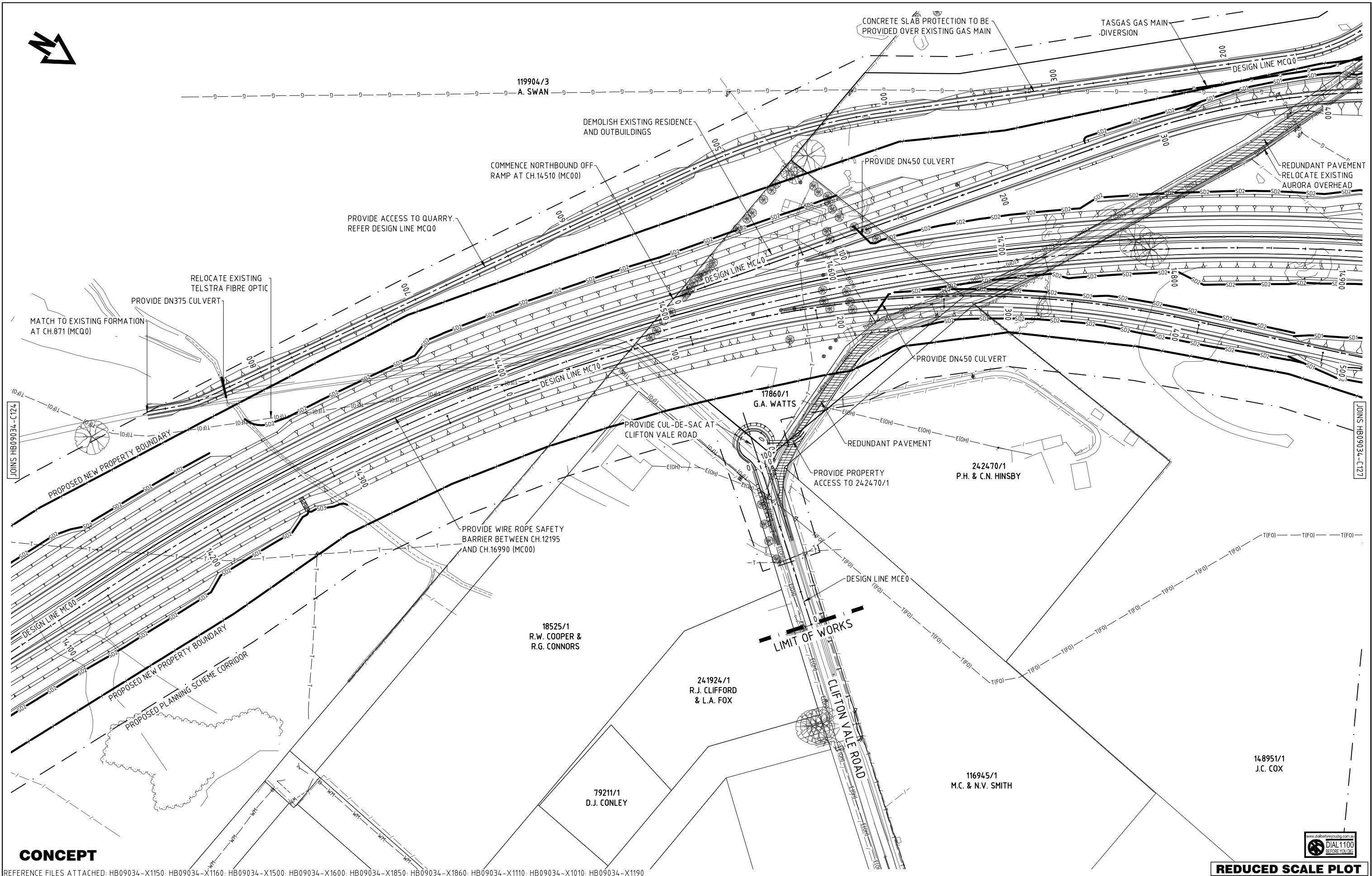
CONTRACT No. SHEET No.  
38

DRG. No.  
HB09034-C124



REDUCED SCALE PLOT





REFERENCE FILES ATTACHED: HB09034-X1150: HB09034-X1160: HB09034-X1500: HB09034-X1600: HB09034-X1850: HB09034-X1860: HB09034-X1110: HB09034-X1010: HB09034-X1190

SCALES AT A1 SIZE  
 1:1000  
 -  
 UNITS U.N.O METRES

### REFERENCE DRAWINGS



**PITT & SHERRY**  
 ABN 77 009 586 083

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 Ph. (03) 6223 1800  
 Fax. (03) 6223 1299  
 www.pittsh.com.au

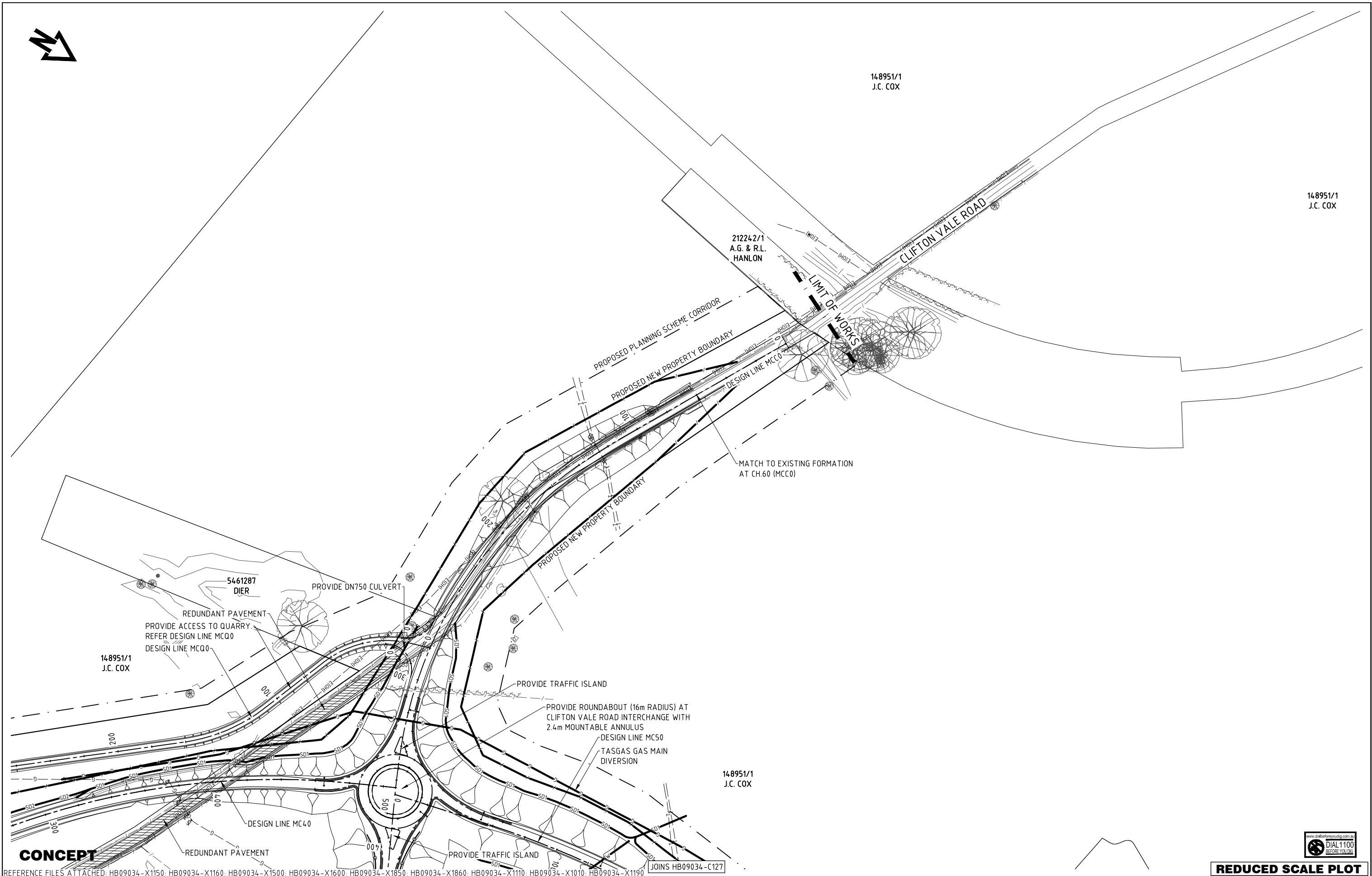


**HB09034-C125**

DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES  
MIDLAND HIGHWAY  
BAGDAD BYPASS  
GENERAL ARRANGEMENT - SHEET 25 OF 31

|                          |                        |
|--------------------------|------------------------|
| FROM LINK No. / DISTANCE | TO LINK No. / DISTANCE |
| CONTRACT No.             | SHEET No.<br>39        |
| DRG. No.<br>HB09034-C125 |                        |

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DIAL 1100  
BEFORE YOU DIG



148951/1  
J.C. COX

LIMIT OF WORKS

✓ MATCH TO EXISTING FORMATION  
AT CH.60 (MCC0)

PROVIDE DN750 CULVERT-

REDUNDANT PAVEMENT  
PROVIDE ACCESS TO QUARRY.  
REFER DESIGN LINE MCQ0  
DESIGN LINE MCQ0

148951/1  
J.C. COX

-PROVIDE TRAFFIC ISLAND

PROVIDE ROUNDABOUT (16m RADIUS) AT CLIFTON VALE ROAD INTERCHANGE WITH 2.4m MOUNTABLE ANNULUS

DESIGN LINE MC50  
TASGAS GAS MAIN  
DIVERSION

148951/1  
J.C. COX

DESIGN LINE MC40

PROVIDE TRAFFIC ISLAND


JOINS HB09034-C127

## CONCEPT

### REDUNDANT PAVEMENT

REFERENCE FILES ATTACHED: HB09034-X1150: HB09034-X1160: HB09034-X1500: HB09034-X1600: HB09034-X1850: HB09034-X1860: HB09034-X1110: HB09034-X1010: HB09034-X1190

### REDUCED SCALE PLOT

|  |  |                    |  |     |                    |  |  |  |         |   |          |   |                    |                 |  |              |                          |           |                        |  |
|--|--|--------------------|--|-----|--------------------|--|--|--|---------|---|----------|---|--------------------|-----------------|--|--------------|--------------------------|-----------|------------------------|--|
| SURVEYED<br>LESTER FRANKS                  |  | DATUM<br>GDA94/AHD |  |     |                    |  |  |  |         | SCALES AT A1 SIZE<br><br>1:1000<br>-<br>UNITS U.N.O      METRES |          |  <p><b>PITT &amp; SHERRY</b><br/><small>Ashby 77 000 500 000</small></p> <p>HOBART OFFICE<br/>199 Macquarie Street<br/>Hobart<br/>Tasmania 7000<br/>Ph: (03) 6223 1800<br/>Fax: (03) 6223 1299<br/>www.psh.co.uk/au</p> <p><b>pitt&amp;sherry</b><br/>sustainable thinking</p> | DESIGNED<br>LA/RW  | DATE<br>APR '11 | DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES |              |                          |           |                        |  |
| PROJECT FILING NO.<br>HB09034              |  | LOADING            |  |     |                    |  |  |  |         |   |          |   | REVIEWED           | DATE            | MIDLAND HIGHWAY<br>BAGDAD BYPASS                   |              | FROM LINK No. / DISTANCE |           | TO LINK No. / DISTANCE |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |  |                    |  |     |                    |  |  |  |         |   |          |   |                    | AUTHORISED      | DATE   | CONTRACT No. |                          | SHEET No. |                        |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |  |                    |  |     |                    |  |  |  |         |   |          |   |                    |                 | ACCEPTED   | DATE         | DRG. No.                 |           |                        |  |
|  |  |                    |  |     |                    |  |  |  |         |   |          |   |                    |                 |  |              | HB09034 - C126           |           |                        |  |
|  |  |                    |  |     |                    |  |  |  |         |   |          |   |                    |                 |  |              |                          |           |                        |  |
|  |  |                    |  | NO. | DRAWING AMENDMENTS |  |  |  | CHECKED | DATE  | APPROVED | DATE  | REFERENCE DRAWINGS |                 |  |              |                          |           |                        |  |

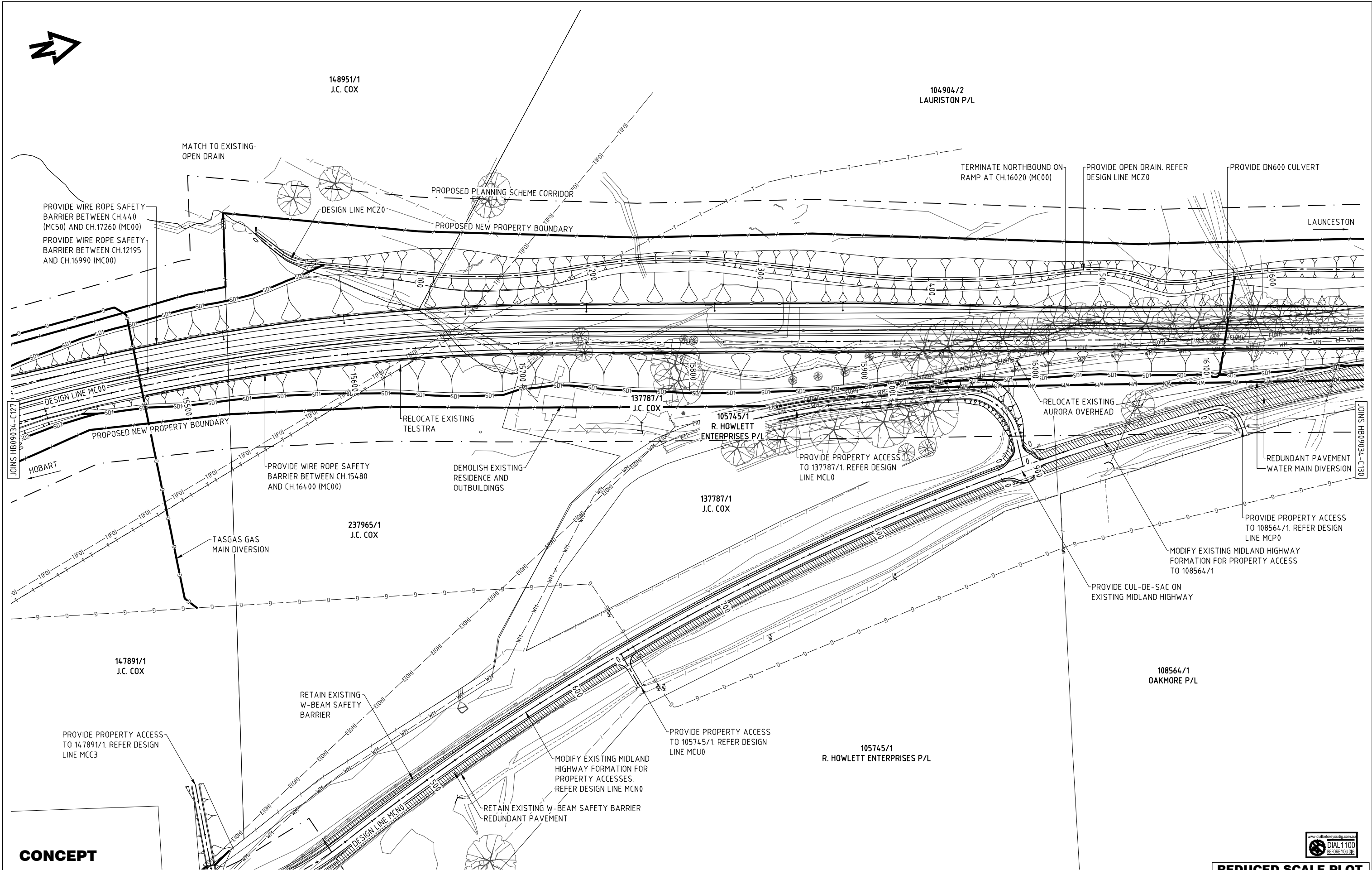
May. 31, 11 - 14:44:21 Name: HB09034-C126.dwg Updated By: Lloyd Allen











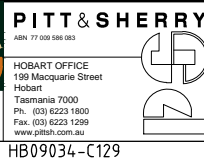




REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190

|  |                    |   |                    |         |      |          |      |
|--|--------------------|---|--------------------|---------|------|----------|------|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |  |                    |         |      |          |      |
| PROJECT FILING NO.<br>HB09034              | LOADING            |  |                    |         |      |          |      |
| SURVEY MODEL NAME<br>BAGDADETAIL 100311    |                    |  |                    |         |      |          |      |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |  |                    |         |      |          |      |
|  |                    | NO.   | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE |

REFERENCE DRAWINGS



|            |         |
|------------|---------|
| DESIGNED   | DATE    |
| LA/RW      | APR '11 |
| REVIEWED   | DATE    |
| AUTHORISED | DATE    |
| ACCEPTED   | DATE    |

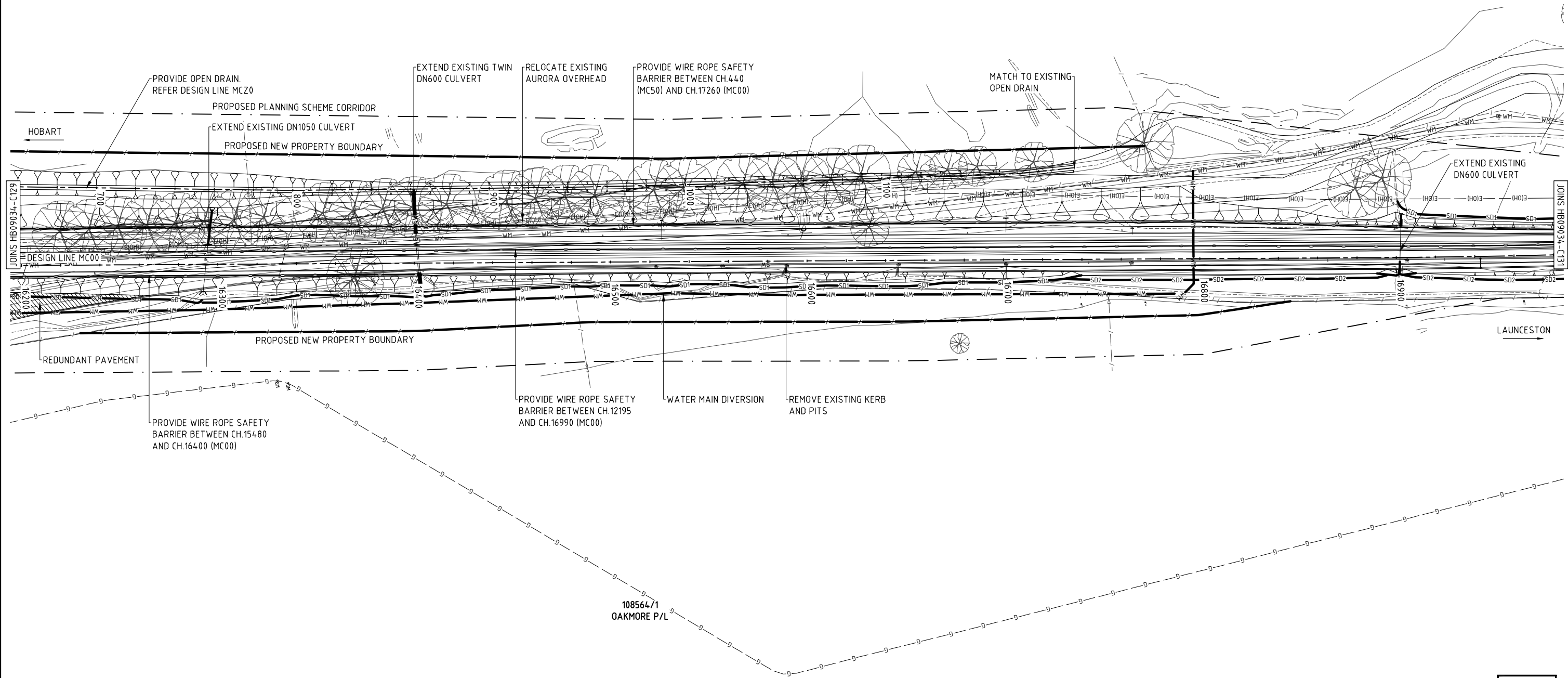
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| FROM LINK No. / DISTANCE | TO LINK No. / DISTANCE |
| CONTRACT No.             | SHEET No.<br>43        |

DRG. No.  
HB09034-C129

Inf. 31, 11 - 14:3:27 Name: 1105054 C1250Wg Operated by: ELOJA MIENI



104904/2  
LAURISTON P/L



CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190

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|--|--------------------|-------------------------------------|------|----------|------|--------------------|--|--|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD | <input checked="" type="checkbox"/> |      |          |      |                    |  |  |  |
| PROJECT FILING NO.<br>HB09034              | LOADING            | <input checked="" type="checkbox"/> |      |          |      |                    |  |  |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    | <input checked="" type="checkbox"/> |      |          |      |                    |  |  |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    | <input checked="" type="checkbox"/> |      |          |      |                    |  |  |  |
| NO.  | DRAWING AMENDMENTS | CHECKED                             | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |  |  |

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| SCALES AT A1 SIZE<br>1:1000<br>-<br>UNITS U.N.O METRES |  |
| REFERENCE DRAWINGS                                     |  |



**PITT & SHERRY**  
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HB09034-C130

|                   |                 |
|-------------------|-----------------|
| DESIGNED<br>LA/RW | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES

MIDLAND HIGHWAY  
BAGDAD BYPASS  
GENERAL ARRANGEMENT - SHEET 30 OF 31

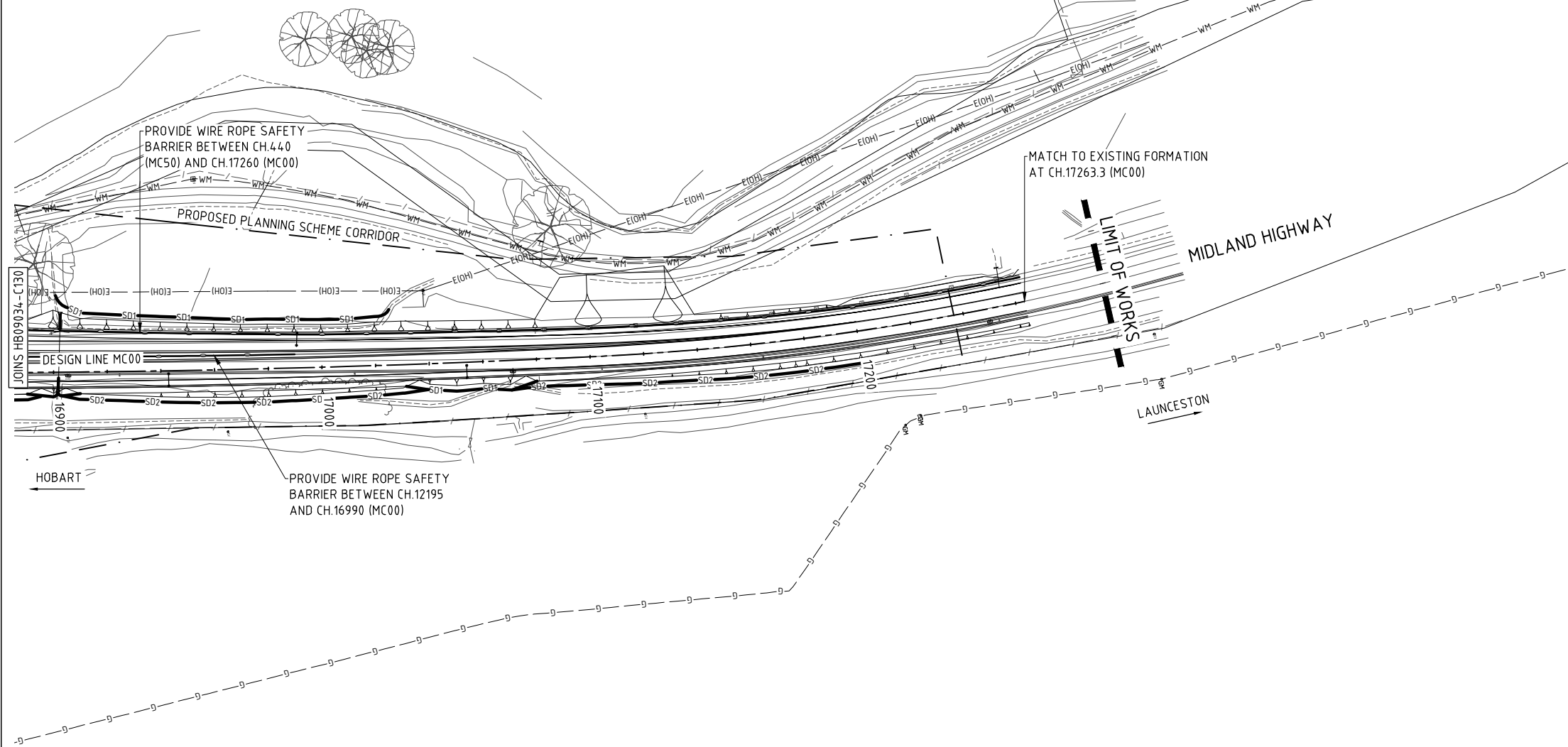
|                          |                        |
|--------------------------|------------------------|
| FROM LINK No. / DISTANCE | TO LINK No. / DISTANCE |
| CONTRACT No.             | SHEET No.<br>44        |
| DRG. No.<br>HB09034-C130 |                        |







104904/2  
LAURISTON P/L



108564/1  
OAKMORE P/L

## CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1600; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010; HB09034-X1190

|  |                    |         |      |          |      |                    |  |
|--|--------------------|---------|------|----------|------|--------------------|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |         |      |          |      |                    |  |
| PROJECT FILING NO.<br>HB09034              | LOADING            |         |      |          |      |                    |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |         |      |          |      |                    |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |         |      |          |      |                    |  |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |

|   |  |
|---|--|
| SCALES AT A1 SIZE<br>1:1000<br>-<br>UNITS U.N.O<br>METRES |  |
| REFERENCE DRAWINGS  |  |



**PITT & SHERRY**  
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www.pittsherry.com.au



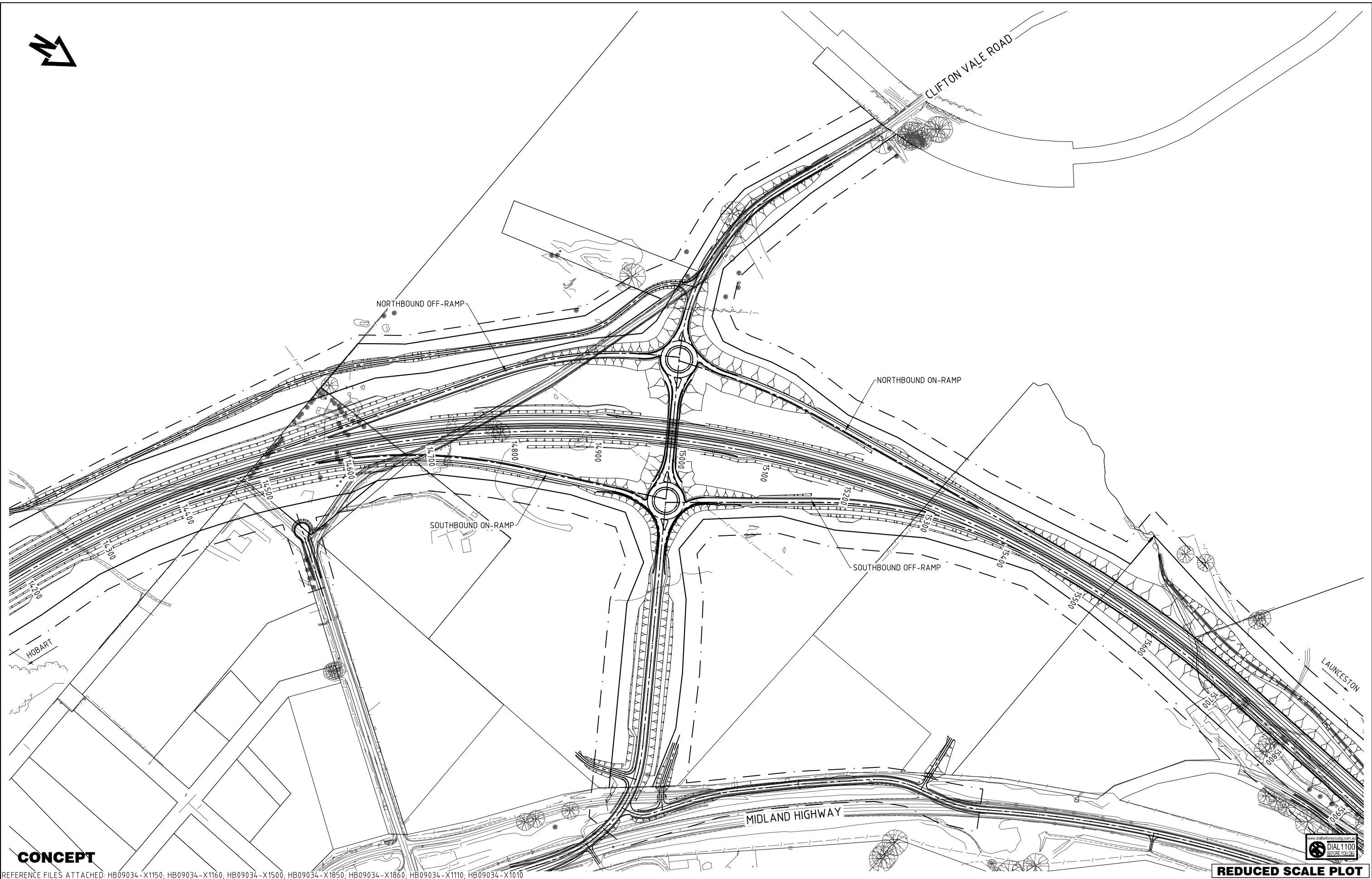
**PITT & SHERRY**  
HB09034-C131

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| DESIGNED<br>LA/RW | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

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| DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES                       |                        |
| MIDLAND HIGHWAY<br>BAGDAD BYPASS<br>GENERAL ARRANGEMENT - SHEET 31 OF 31 |                        |
| FROM LINK No. / DISTANCE   | TO LINK No. / DISTANCE |
| CONTRACT No.   | SHEET No.<br>45        |
| DRG. No.<br>HB09034-C131   |                        |



REDUCED SCALE PLOT

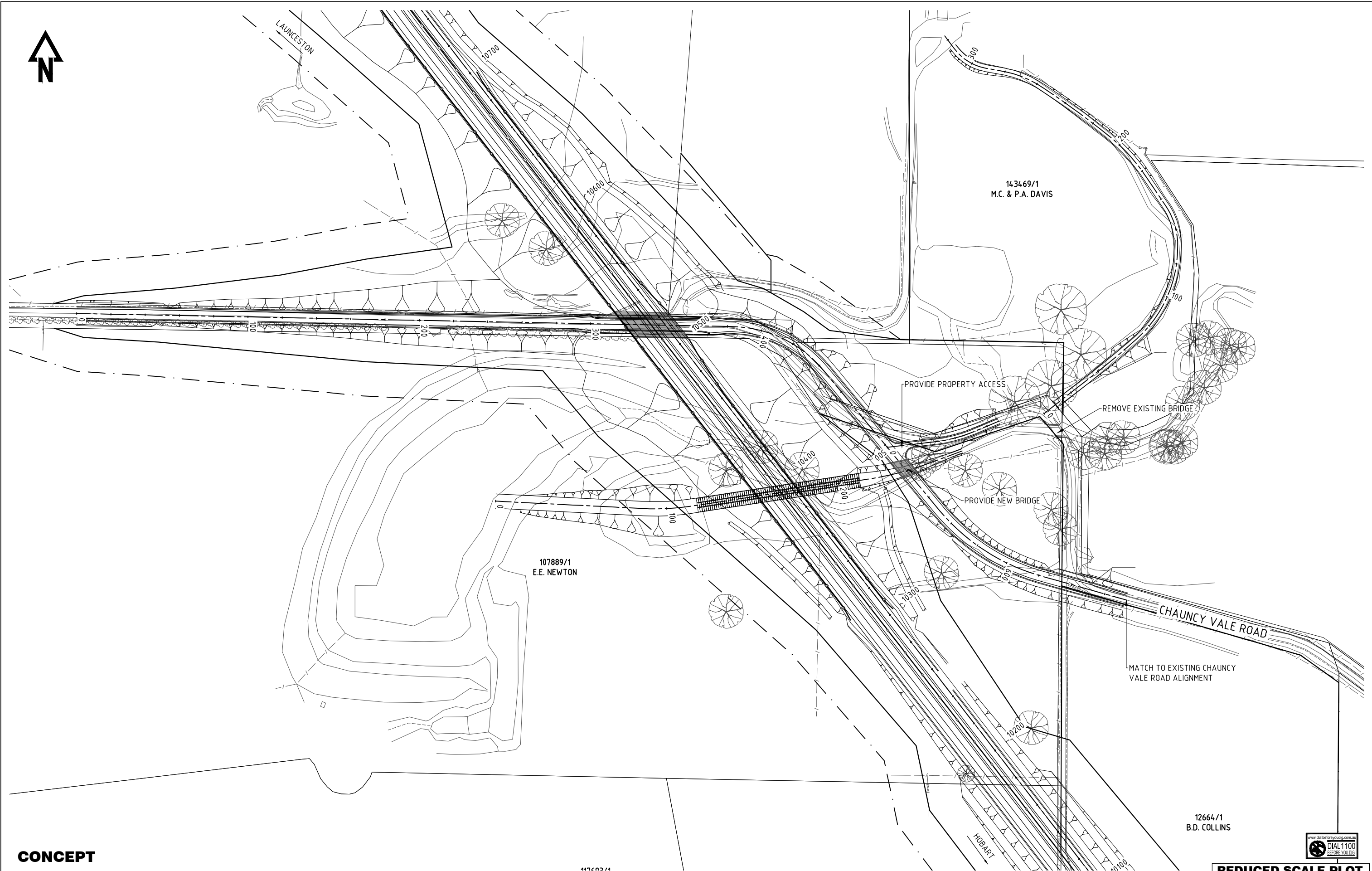


REFERENCE FILES ATTACHED: HB09034-X1150; HB09034-X1160; HB09034-X1500; HB09034-X1850; HB09034-X1860; HB09034-X1110; HB09034-X1010

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May. 31, 11 - 14:46:29 Name: HB09034-C150.dwg Updated By: Lloyd Allen

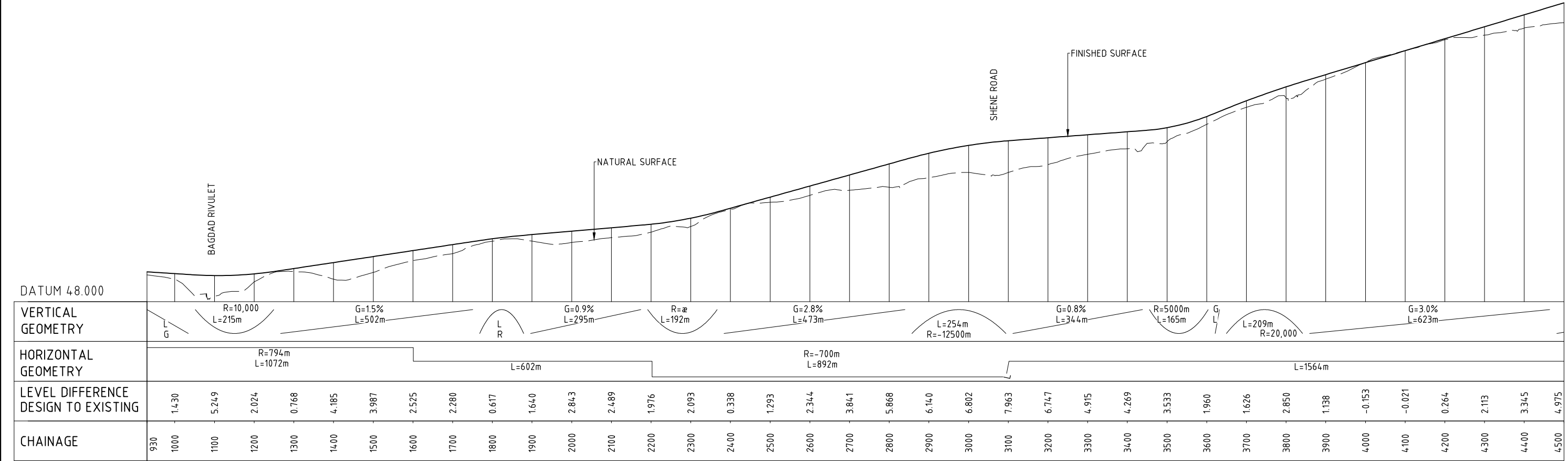




REFERENCE FILES ATTACHED: HB09034-X1160; HB09034-X1500; HB09034-X1850; HB09034-X1860


[illegible]

Oct. 8, 10 - 08:05:10 Name: HB09034-C160.dwg Updated By: Lloyd Allen



GEOMETRY DATA  
IS ROUNDED

CONCEPT

|  |  |                    |  |  |  |  |  |  |  |  |  |  |                   |  |                 |                          |   |                        |  |  |  |  |
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| REFERENCE FILES ATTACHED:                  |  |                    |  |  |  |  |  |  |  | REDUCED SCALE PLOT                           |  |  |                   |  |                 |                          |   |                        |  |  |  |  |
| SURVEYED<br>LESTER FRANKS                  |  | DATUM<br>GDA94/AHD |  |  |  |  |  |  |  | SCALES AT A1 SIZE<br>1:5000 (H)<br>1:500 (V) |  | <br><b>PITT &amp; SHERRY</b><br>ABN: 77 008 586 883<br><br>HOBART OFFICE<br>199 Macquarie Street<br>Hobart<br>Tasmania 7000<br>Ph. (03) 6223 1800<br>Fax. (03) 6223 1298<br>www.pittsh.com.au | DESIGNED<br>LA/RW |  | DATE<br>APR '11 |                          | DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES                      |                        |  |  |  |  |
| PROJECT FILING NO.<br>HB09034              |  | LOADING            |  |  |  |  |  |  |  | UNITS U.N.O<br>METRES                        |  |  | REVIEWED          |  | DATE            |                          | MIDLAND HIGHWAY<br>BAGDAD BYPASS<br>LONGITUDINAL SECTION - SHEET 1 OF 5 |                        |  |  |  |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |  |                    |  |  |  |  |  |  |  |  |  |  | AUTHORISED        |  | DATE            |                          |   |                        |  |  |  |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |  |                    |  |  |  |  |  |  |  |  |  |  | ACCEPTED          |  | DATE            |                          |   |                        |  |  |  |  |
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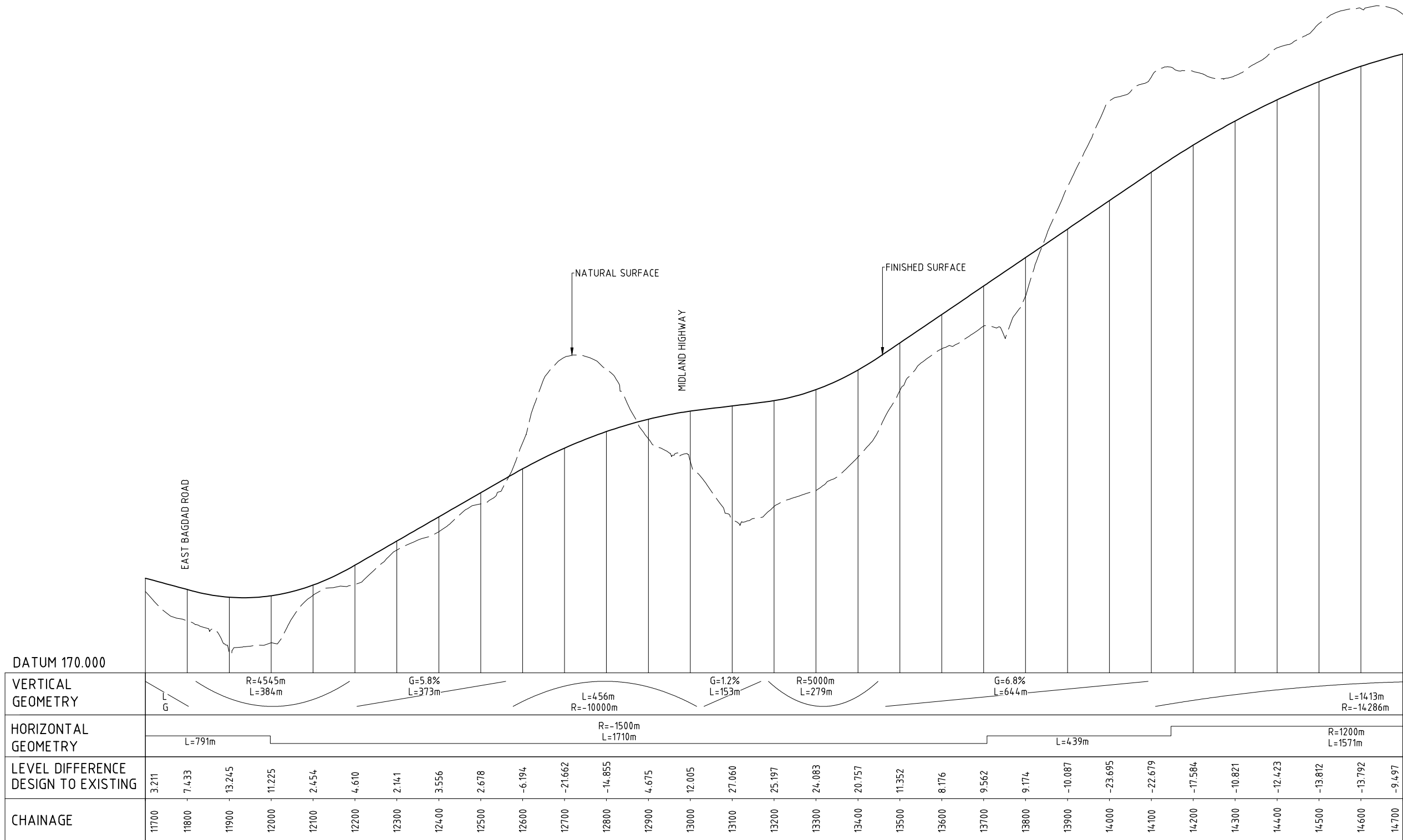












DATUM 170.000

|                                     |       |       |        |        |       |       |       |       |       |        |         |         |       |        |        |        |        |        |        |       |       |       |         |         |         |         |         |         |         |         |        |
|-------------------------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|--------|---------|---------|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| VERTICAL GEOMETRY                   |       |       |        |        |       |       |       |       |       |        |         |         |       |        |        |        |        |        |        |       |       |       |         |         |         |         |         |         |         |         |        |
| HORIZONTAL GEOMETRY                 |       |       |        |        |       |       |       |       |       |        |         |         |       |        |        |        |        |        |        |       |       |       |         |         |         |         |         |         |         |         |        |
| LEVEL DIFFERENCE DESIGN TO EXISTING | 3.211 | 7.433 | 13.245 | 11.225 | 2.454 | 4.610 | 2.141 | 3.556 | 2.678 | -6.194 | -21.662 | -14.855 | 4.675 | 12.005 | 27.060 | 25.197 | 24.083 | 20.757 | 11.352 | 8.176 | 9.562 | 9.174 | -10.087 | -23.695 | -22.679 | -17.584 | -10.821 | -12.423 | -13.812 | -13.792 | -9.497 |
| CHAINAGE                            | 11700 | 11800 | 11900  | 12000  | 12100 | 12200 | 12300 | 12400 | 12500 | 12600  | 12700   | 12800   | 12900 | 13000  | 13100  | 13200  | 13300  | 13400  | 13500  | 13600 | 13700 | 13800 | 13900   | 14000   | 14100   | 14200   | 14300   | 14400   | 14500   | 14600   | 14700  |

GEOMETRY DATA  
IS ROUNDED

CONCEPT

REFERENCE FILES ATTACHED:

|                       |           |  |  |  |  |  |  |
|-----------------------|-----------|--|--|--|--|--|--|
| SURVEYED              | DATUM     |  |  |  |  |  |  |
| LESTER FRANKS         | GDA94/AHD |  |  |  |  |  |  |
| PROJECT FILING NO.    | LOADING   |  |  |  |  |  |  |
| HB09034               |           |  |  |  |  |  |  |
| SURVEY MODEL NAME     |           |  |  |  |  |  |  |
| BAGDADDETAIL 100311   |           |  |  |  |  |  |  |
| DESIGN MODEL NAME     |           |  |  |  |  |  |  |
| ALIGN 3 FSTAGE 080211 |           |  |  |  |  |  |  |

|                    |
|--------------------|
| SCALES AT A1 SIZE  |
| 1:5000 (H)         |
| 1:500 (V)          |
| UNITS U.N.O        |
| METRES             |
| REFERENCE DRAWINGS |



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sustainable thinking



**HB09034-C204**

|            |         |
|------------|---------|
| DESIGNED   | DATE    |
| LA/RW      | APR '11 |
| REVIEWED   | DATE    |
| AUTHORISED | DATE    |
| ACCEPTED   | DATE    |

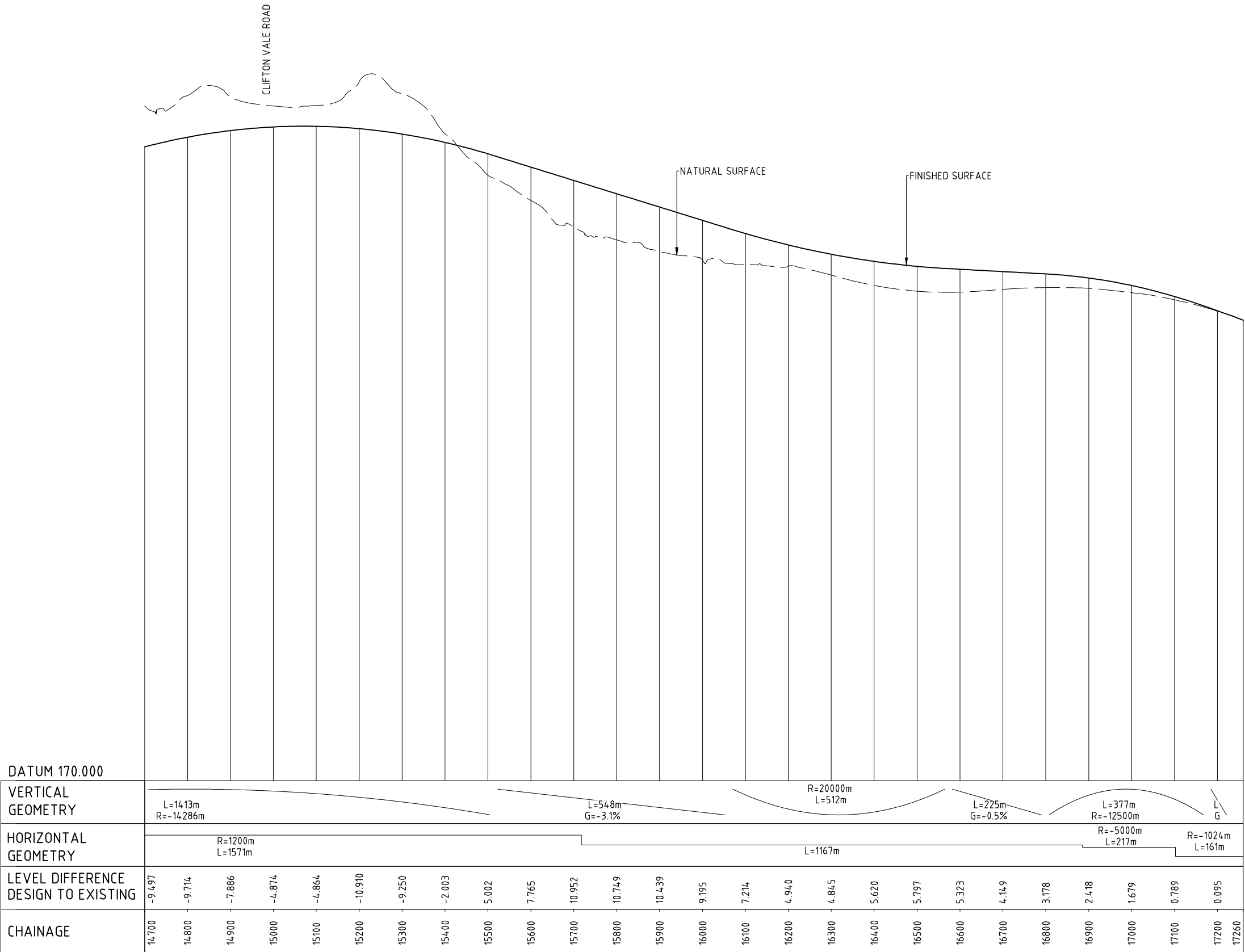
DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES

MIDLAND HIGHWAY  
BAGDAD BYPASS  
LONGITUDINAL SECTION - SHEET 4 OF 5

|                          |                        |
|--------------------------|------------------------|
| FROM LINK No. / DISTANCE | TO LINK No. / DISTANCE |
| CONTRACT No.             | SHEET No.              |
|                          | 51                     |
| DRG. No.                 |                        |
| HB09034-C204             |                        |



REDUCED SCALE PLOT



GEOMETRY DATA  
IS ROUNDED

CONCEPT

REFERENCE FILES ATTACHED:

|  |                    |                                     |      |          |      |                    |  |
|--|--------------------|-------------------------------------|------|----------|------|--------------------|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD | <input checked="" type="checkbox"/> |      |          |      |                    |  |
| PROJECT FILING NO.<br>HB09034              | LOADING            | <input checked="" type="checkbox"/> |      |          |      |                    |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    | <input checked="" type="checkbox"/> |      |          |      |                    |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    | <input checked="" type="checkbox"/> |      |          |      |                    |  |
| NO.  | DRAWING AMENDMENTS | CHECKED                             | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |

|  |             |
|--|-------------|
| SCALES AT A1 SIZE<br>1:5000 (H)<br>1:500 (V)<br>METRES | UNITS U.N.O |
|--|-------------|



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HB09034-C205

|                   |                 |
|-------------------|-----------------|
| DESIGNED<br>LA/RW | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES

MIDLAND HIGHWAY  
BAGDAD BYPASS  
LONGITUDINAL SECTION - SHEET 5 OF 5

FROM LINK No. / DISTANCE

TO LINK No. / DISTANCE

CONTRACT No.

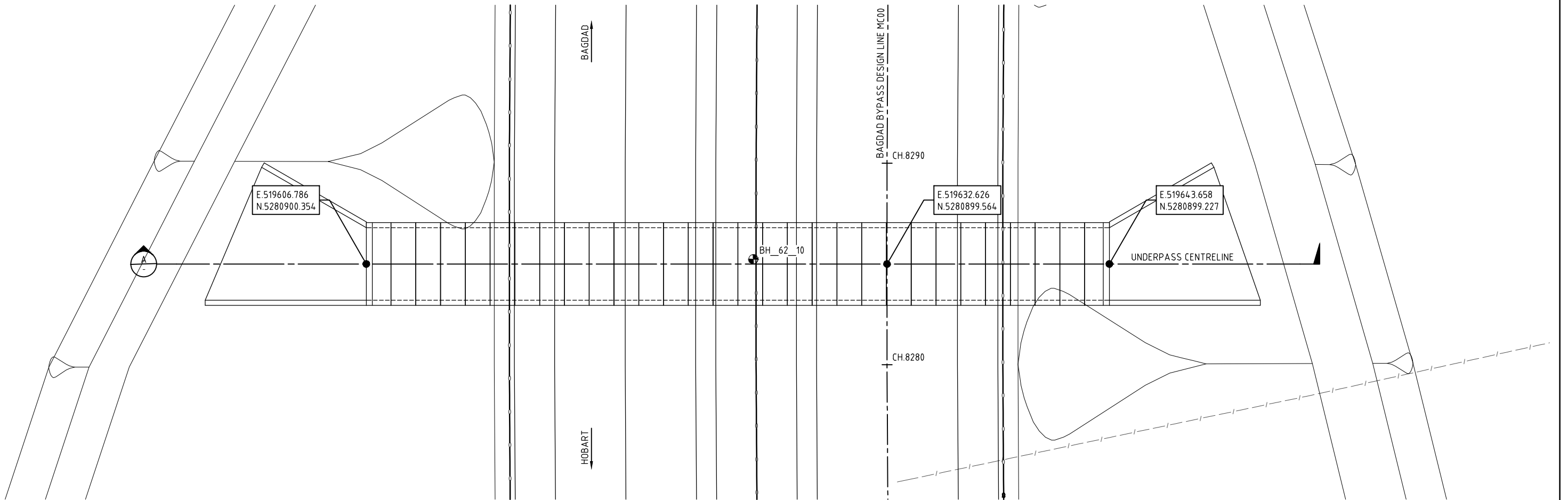
SHEET No.  
52

DRG. No.  
HB09034-C205

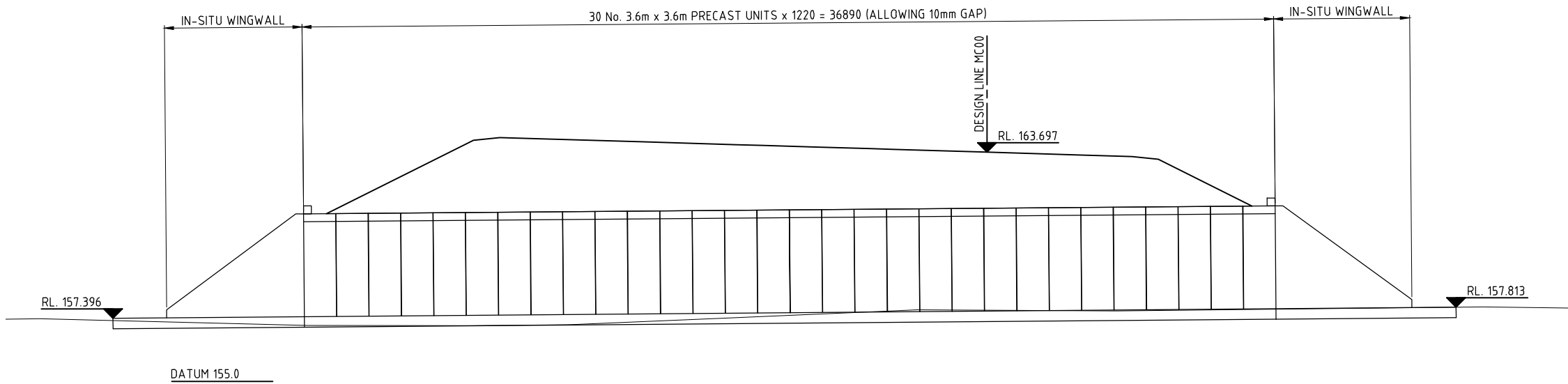


REDUCED SCALE PLOT

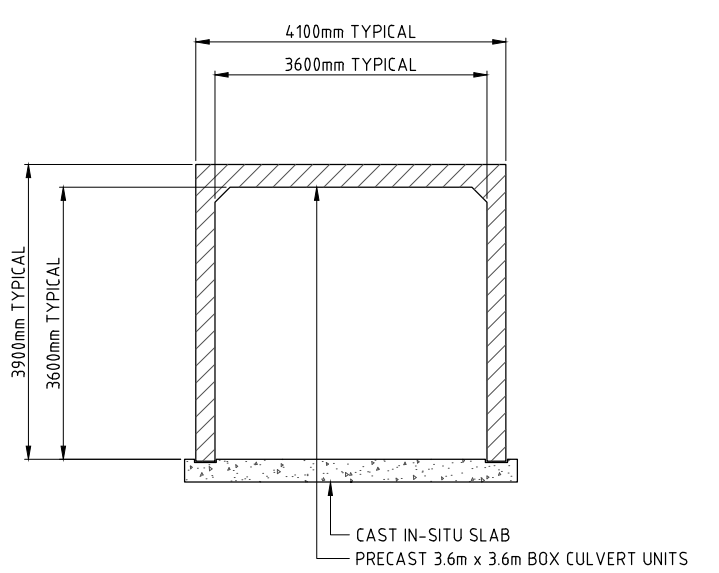




GENERAL ARRANGEMENT PLAN  
SCALE 1:100



SECTION A  
1:100



UNDERPASS TYPICAL SECTION  
SCALE 1:50

CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1500; HB09034-X1010; HB09034-X1110

|  |                    |         |      |          |      |                    |  |
|--|--------------------|---------|------|----------|------|--------------------|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |         |      |          |      |                    |  |
| PROJECT FILING NO.<br>HB09034              | LOADING<br>SM1600  |         |      |          |      |                    |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |         |      |          |      |                    |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |         |      |          |      |                    |  |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |

|  |
|--|
| SCALES AT A1 SIZE<br>AS SHOWN<br>-<br>UNITS U.N.O METRES |
| REFERENCE DRAWINGS                                       |



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HB09034-S601

|                   |                 |
|-------------------|-----------------|
| DESIGNED<br>LA/LA | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

|   |
|---|
| DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES                    |
| MIDLAND HIGHWAY<br>BAGDAD BYPASS<br>GLEN AVON STOCK UNDERPASS CONCEPT |

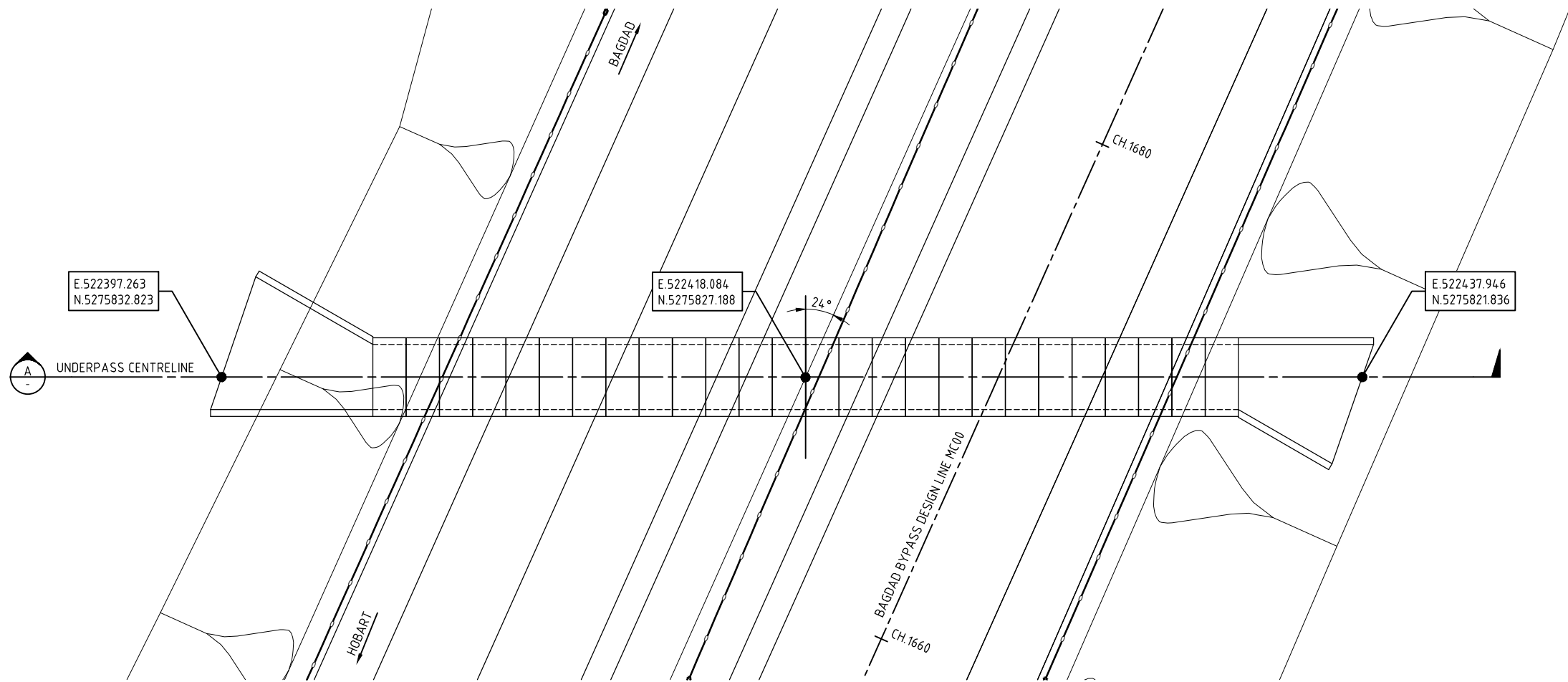
|                          |                        |
|--------------------------|------------------------|
| FROM LINK No. / DISTANCE | TO LINK No. / DISTANCE |
| CONTRACT No.             | SHEET No.<br>53        |
| DRG. No.<br>HB09034-S601 |                        |



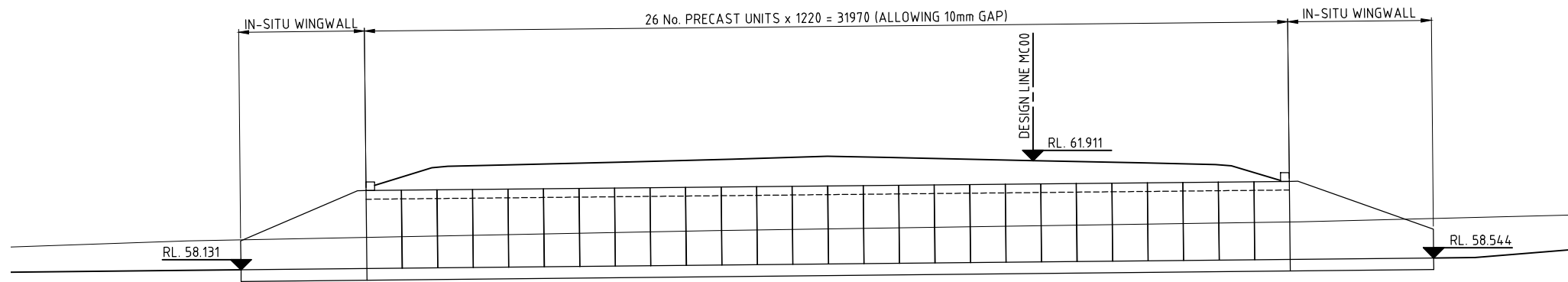
REDUCED SCALE PLOT





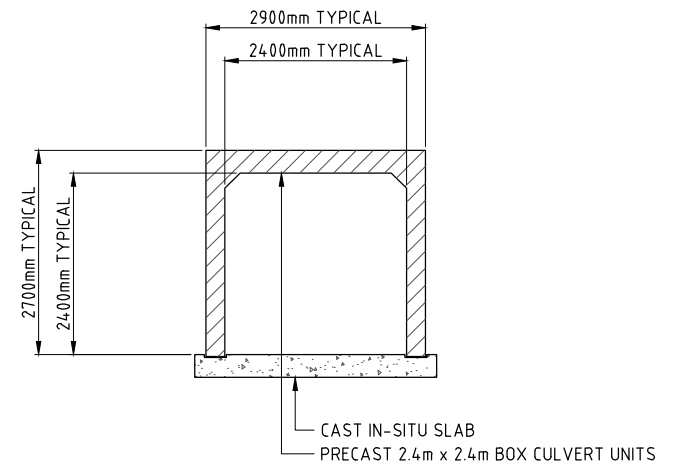


GENERAL ARRANGEMENT PLAN  
SCALE 1:100



DATUM 55.0

SECTION A  
1:100



UNDERPASS TYPICAL SECTION  
SCALE 1:50

## CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1500; HB09034-X1010; HB09034-X1650; HB09034-X1950; HB09034-X97; HB09034-X1110

|  |                    |         |      |          |      |                    |  |  |  |
|--|--------------------|---------|------|----------|------|--------------------|--|--|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |         |      |          |      |                    |  |  |  |
| PROJECT FILING NO.<br>HB09034              | LOADING<br>SM1600  |         |      |          |      |                    |  |  |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |         |      |          |      |                    |  |  |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |         |      |          |      |                    |  |  |  |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|
| SCALES AT A1 SIZE<br>AS SHOWN<br>-<br>UNITS U.N.O METRES |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |



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HB09034-S621

|                   |                 |
|-------------------|-----------------|
| DESIGNED<br>LA/LA | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

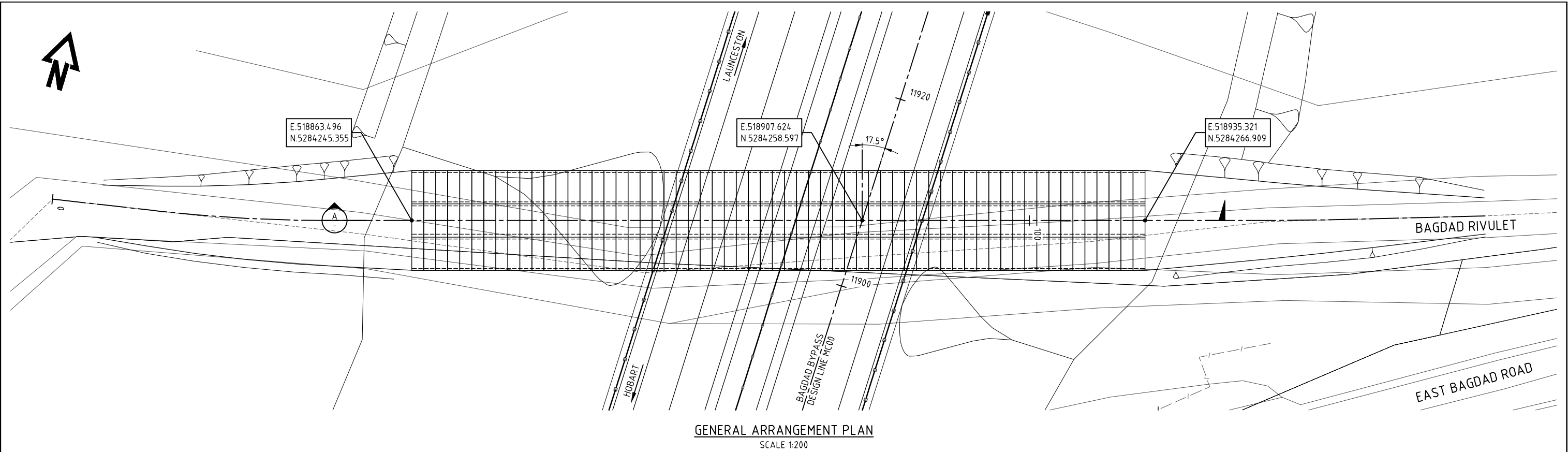
|  |                        |
|--|------------------------|
| DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES                   |                        |
| MIDLAND HIGHWAY<br>BAGDAD BYPASS<br>FEHLBERG STOCK UNDERPASS CONCEPT |                        |
| FROM LINK No. / DISTANCE   | TO LINK No. / DISTANCE |
| CONTRACT No.   | SHEET No.<br>55        |
| DRG. No.<br>HB09034-S621   |                        |



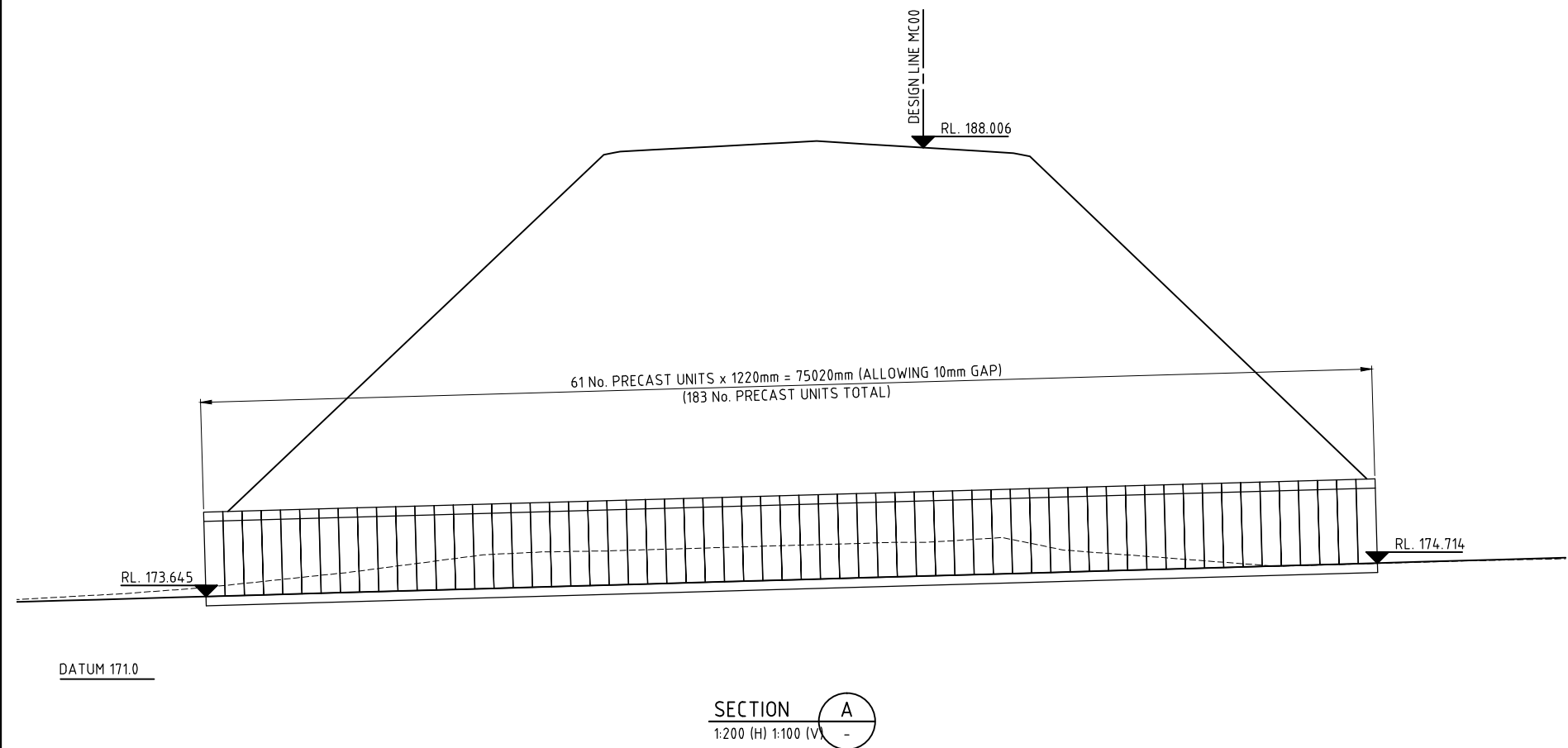
## REDUCED SCALE PLOT



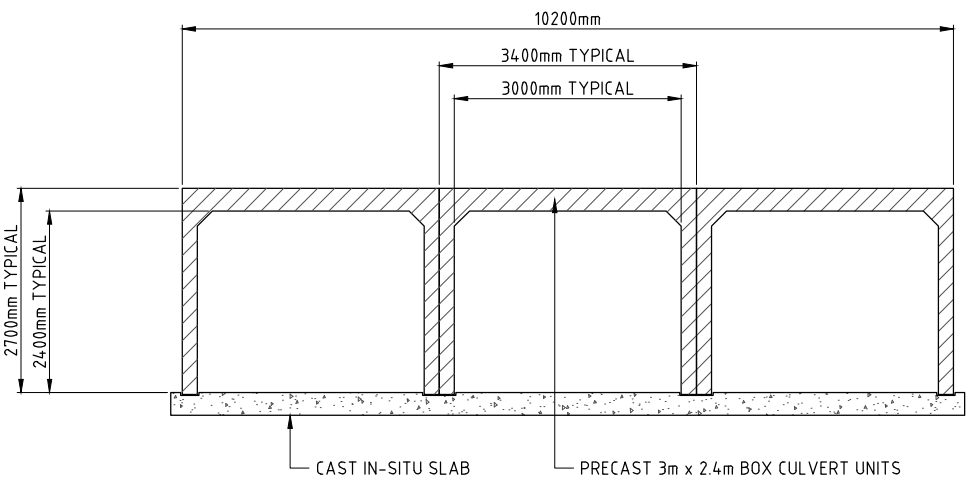




GENERAL ARRANGEMENT PLAN  
SCALE 1:200



SECTION A  
1:200 (H) 1:100 (V)



CULVERT TYPICAL SECTION  
SCALE 1:50

CONCEPT

REFERENCE FILES ATTACHED: HB09034-X1850; HB09034-X1010; HB09034-X1110; HB09034-X1500

|  |                    |         |      |          |      |                    |  |  |  |
|--|--------------------|---------|------|----------|------|--------------------|--|--|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |         |      |          |      |                    |  |  |  |
| PROJECT FILING NO.<br>HB09034              | LOADING<br>SM1600  |         |      |          |      |                    |  |  |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100311   |                    |         |      |          |      |                    |  |  |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080211 |                    |         |      |          |      |                    |  |  |  |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |  |  |

|  |  |
|--|--|
| SCALES AT A1 SIZE<br>AS SHOWN<br>-<br>UNITS U.N.O METRES |  |
| REFERENCE DRAWINGS                                       |  |



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**PITT & SHERRY**  
HB09034-S661

|                   |                 |
|-------------------|-----------------|
| DESIGNED<br>LA/LA | DATE<br>APR '11 |
| REVIEWED          | DATE            |
| AUTHORISED        | DATE            |
| ACCEPTED          | DATE            |

|  |
|--|
| DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES                 |
| MIDLAND HIGHWAY<br>BAGDAD BYPASS<br>BAGDAD RIVULET CULVERT CONCEPT |



|                          |                        |
|--------------------------|------------------------|
| FROM LINK No. / DISTANCE | TO LINK No. / DISTANCE |
| CONTRACT No.             | SHEET No.<br>57        |
| DRG. No.<br>HB09034-S661 |                        |





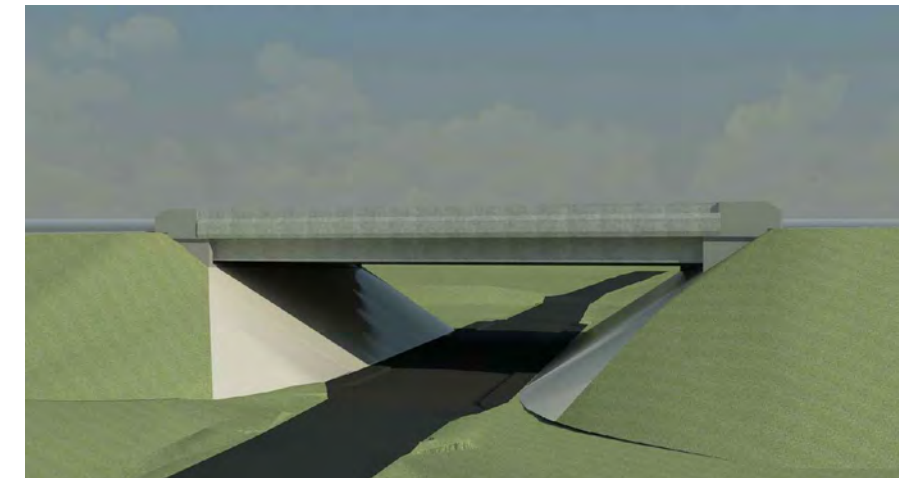
## CONCEPT

REFERENCE FILES ATTACHED: Bagdad Bypass 04-03-11 2D; HB09034-X12000; HB09034-X12001

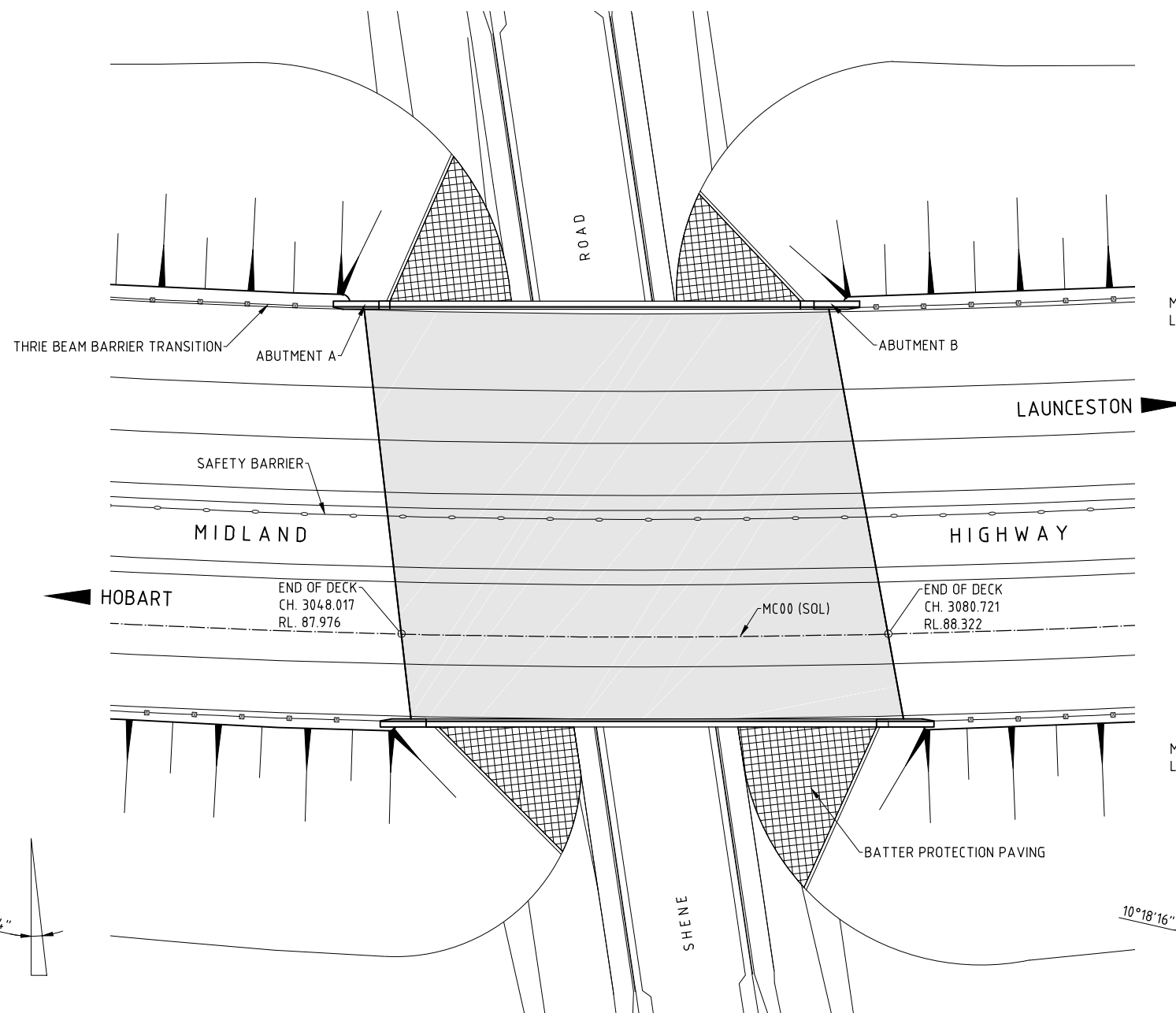
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|--|--|--------------------|--|---|--|---------|--|---|--|-------------------|--|-------------------|--|---|--|--------------------|--|
| SURVEYED<br>LESTER FRANKS                  |  | DATUM<br>GDA94/AHD |  | SCALES AT A1 SIZE<br>AS SHOWN<br>-<br>UNITS U.N.O MILLIMETRES |  |         |  |  <b>PITT &amp; SHERRY</b><br><small>ASIN 77 000 586 083</small><br>HOBART OFFICE<br>199 Macquarie Street<br>Hobart<br>Tasmania 7000<br>Ph: (03) 6223 1900<br>Fax: (03) 6223 1299<br><a href="http://www.pittsherry.com.au">www.pittsherry.com.au</a> |  | DESIGNED<br>MP/MP |  | DATE<br>28-3-2011 |  | DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES                    |  |                    |  |
| PROJECT FILING NO.<br>HB09034              |  | LOADING<br>SM1600  |  |   |  |         |  |   |  | REVIEWED          |  | DATE              |  |   |  |                    |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100312   |  |                    |  | SPAN LENGTHS ADDED TO ELEVATION                               |  |         |  |  <b>pitt&amp;sherry</b><br><small>sustainable thinking</small>   |  | AUTHORISED        |  | DATE              |  | MIDLAND HIGHWAY<br>BAGDAD BYPASS<br>BAGDAD RIVULET<br>HB09034 - P1201 |  |                    |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080212 |  |                    |  |   |  |         |  |   |  | ACCEPTED          |  | DATE              |  |   |  |                    |  |
| NO.  |  | DRAWING AMENDMENTS |  | R.M.  |  | MAY '11 |  | CHECKED   |  | DATE              |  | APPROVED          |  | DATE  |  | REFERENCE DRAWINGS |  |



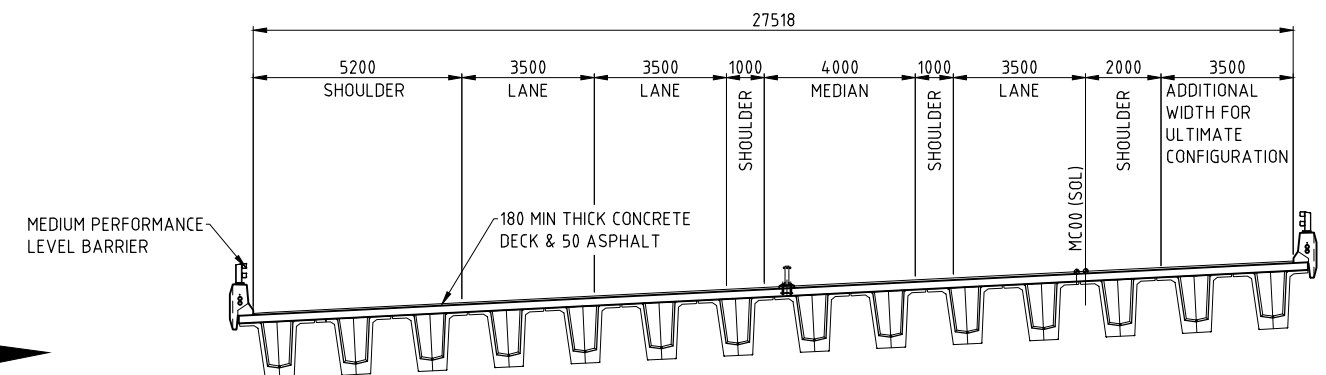
ELEVATION LOOKING WEST  
SCALE 1:200



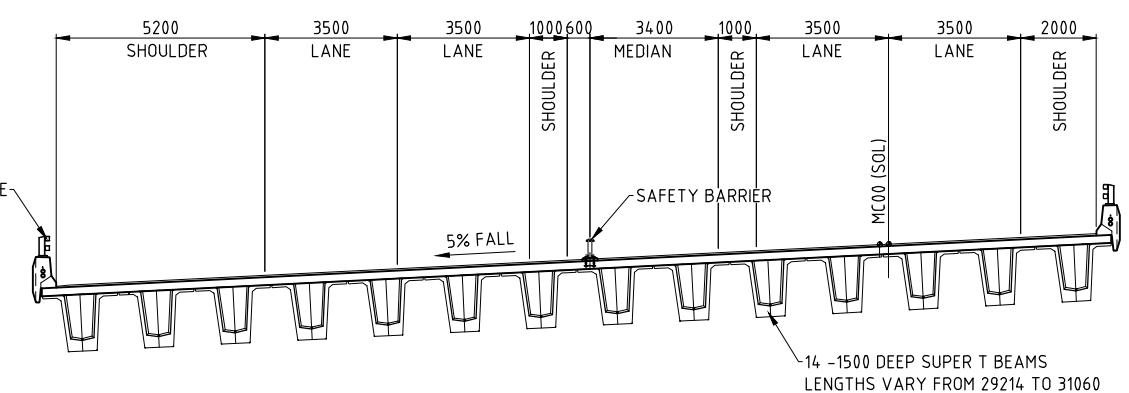
VISUALISATION LOOKING EAST  
UP SHENE ROAD



SKEW DIAGRAM - SOUTH  
NTS  
**CONCEPT**



DECK SECTION LOOKING NORTH  
INITIAL CONFIGURATION  
SCALE 1:100



DECK SECTION LOOKING NORTH  
ULTIMATE CONFIGURATION  
SCALE 1:100

SKEW DIAGRAM - NORTH  
NTS



PLAN  
SCALE 1:200

REFERENCE FILES ATTACHED: HB09034-X13011 3D MODEL

|                         |  |           |  |  |  |          |      |
|-------------------------|--|-----------|--|--|--|----------|------|
| SURVEYED                |  | DATE      |  |  |  |          |      |
| LESTER FRANKS           |  | GDA94/AHD |  |  |  |          |      |
| PROJECT FILING NO.      |  | LOADING   |  |  |  |          |      |
| HB09034                 |  | SM1600    |  |  |  |          |      |
| SURVEY MODEL NAME       |  |           |  |  |  |          |      |
| BAGDADE TAIL 100313     |  |           |  |  |  |          |      |
| DESIGN MODEL NAME       |  |           |  | SPAN LENGTHS ADDED TO ELEVATION; TYPICAL SECTION REVISED |  |          |      |
| ALIGN 3 E STAGE, 080213 |  |           |  |  |  |          |      |
| NO.                     |  |           |  | DRAWING AMENDMENTS                                       |  | CHECKED  | DATE |
|                         |  |           |  |  |  | APPROVED | DATE |

|                    |             |
|--------------------|-------------|
| SCALES AT A1 SIZE  | AS SHOWN    |
| UNITS U.N.O        | MILLIMETRES |
| REFERENCE DRAWINGS |             |



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HR0903/ D1301

|            |           |
|------------|-----------|
| DESIGNED   | DATE      |
| RG/RG      | 28-3-2011 |
| REVIEWED   | DATE      |
| AUTHORISED | DATE      |
| ACCEPTED   | DATE      |

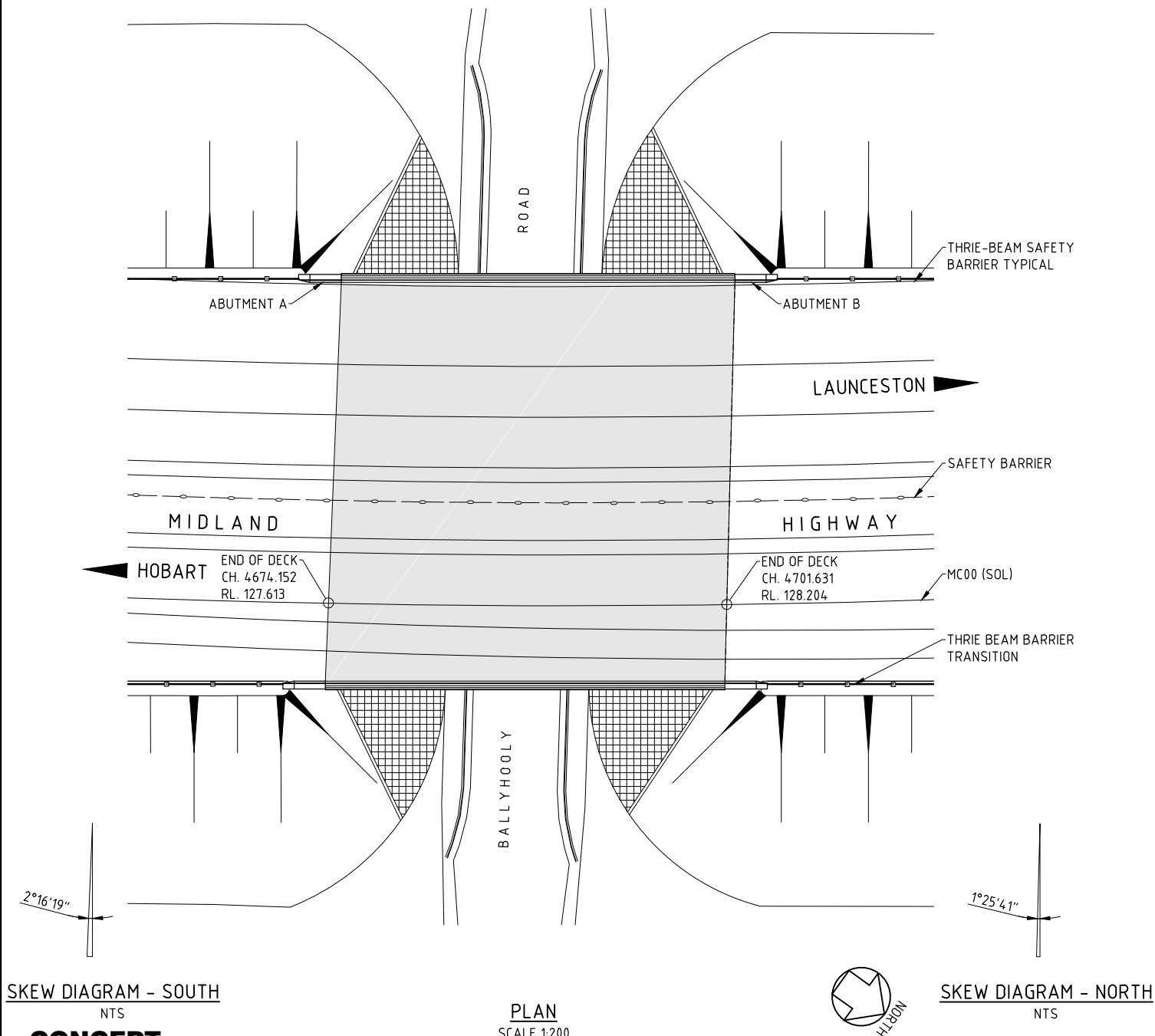
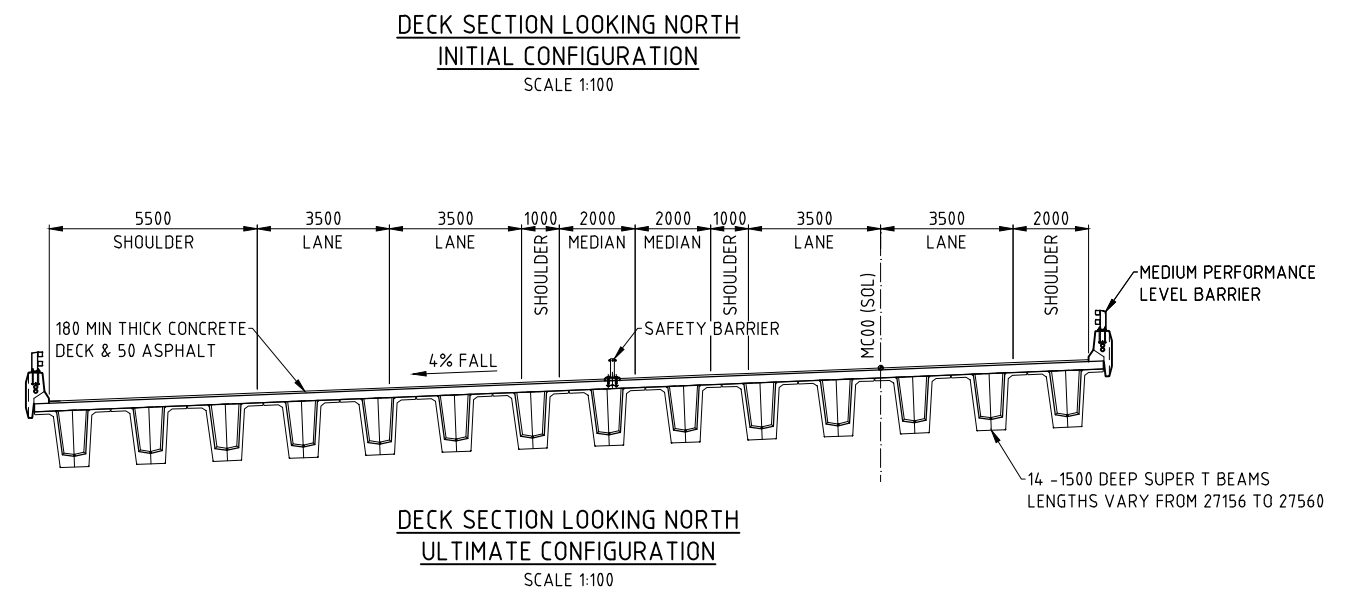
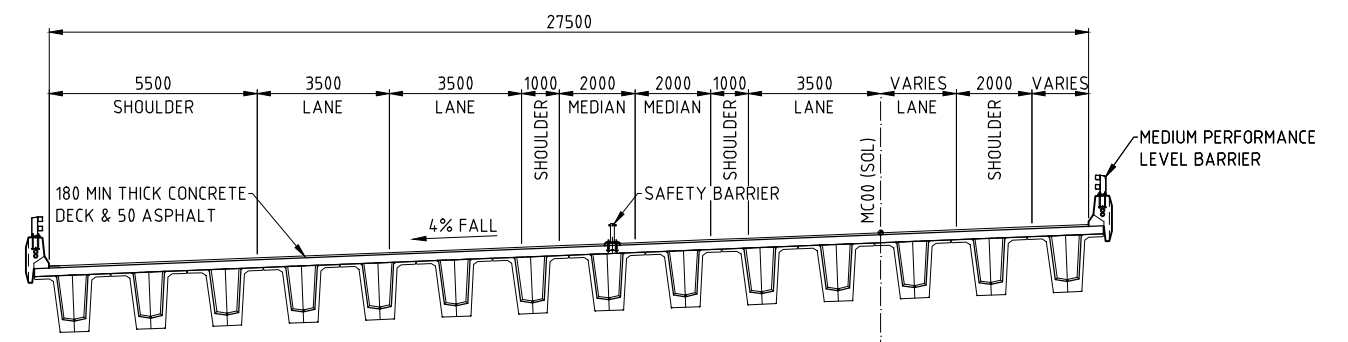
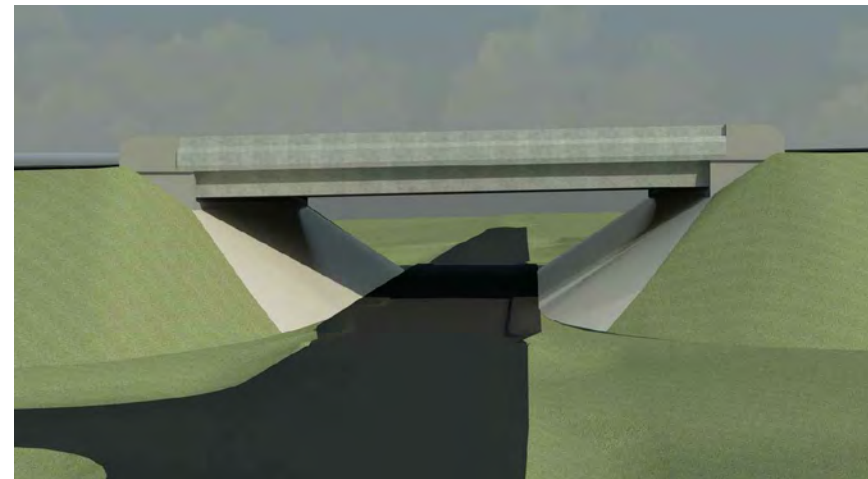
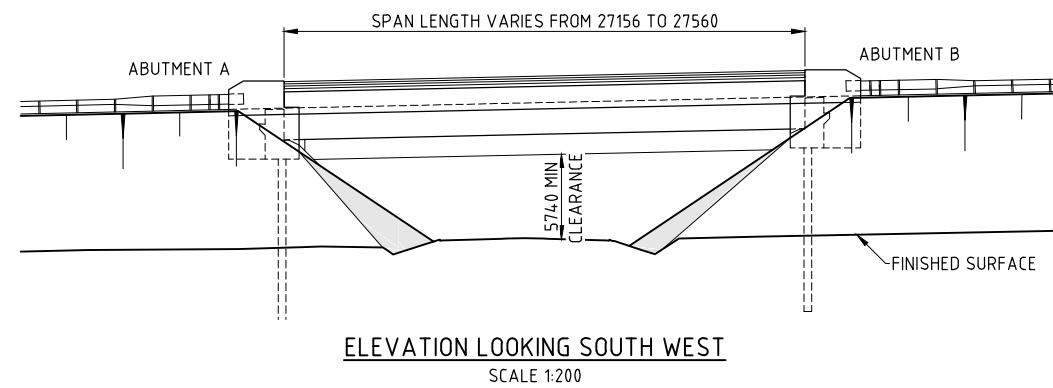
DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES

MIDLAND HIGHWAY  
BAGDAD BYPASS  
SHENE ROAD UNDERPASS CONCEPT

|                           |                        |
|---------------------------|------------------------|
| FROM LINK No. / DISTANCE  | TO LINK No. / DISTANCE |
| CONTRACT No.              | SHEET No.<br>59        |
| DRG. No.<br>HB09034-P1301 |                        |

### REDUCED SCALE PLOT






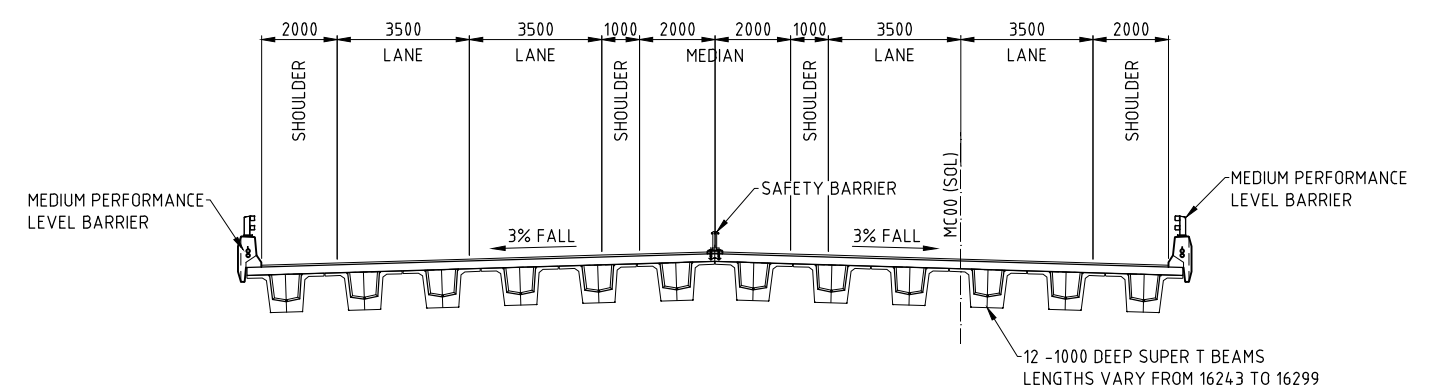
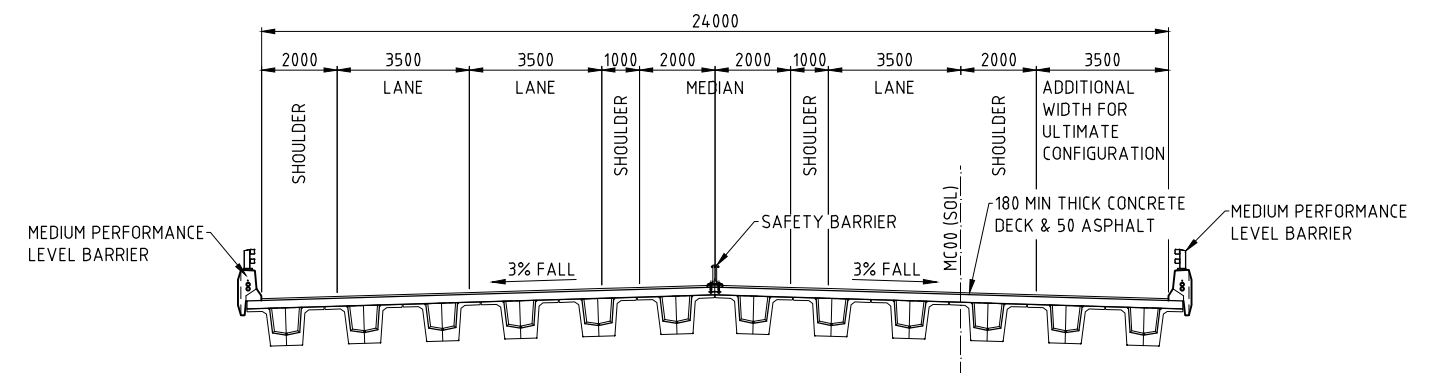
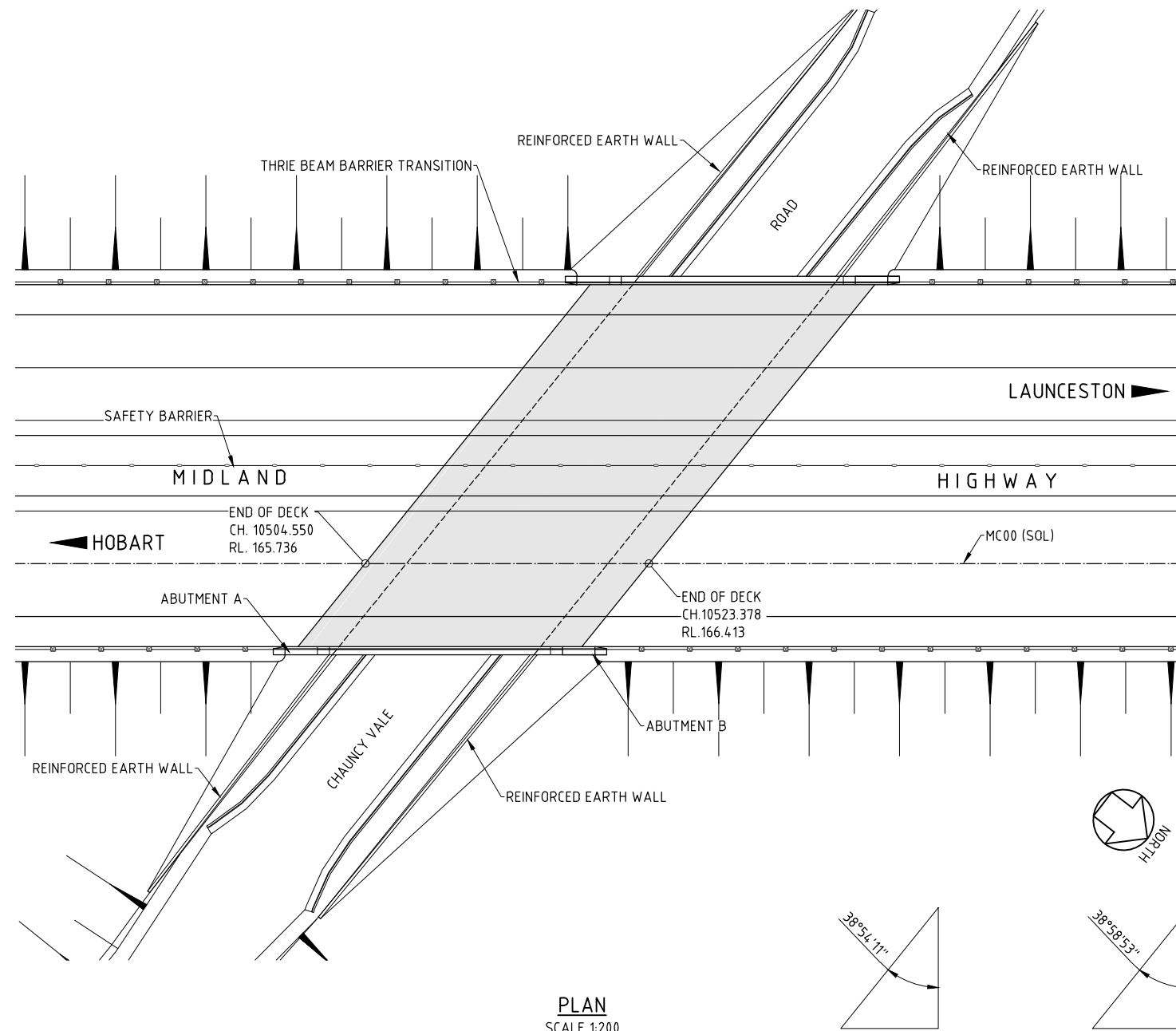
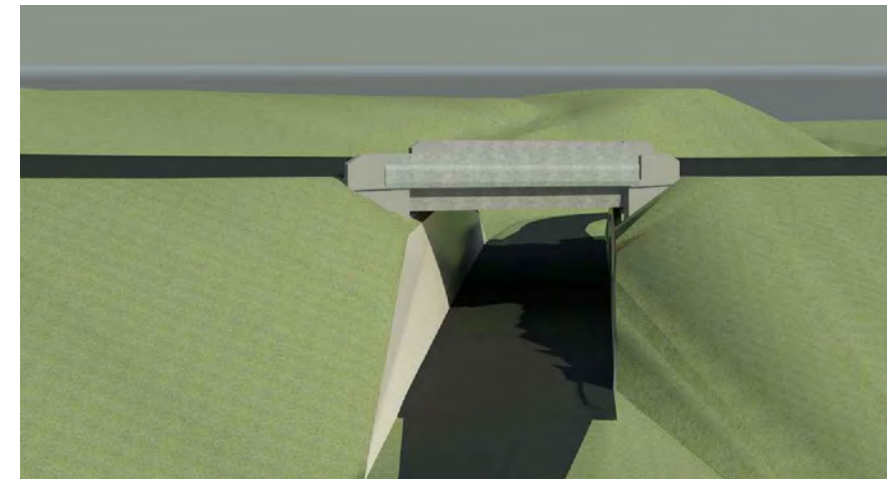
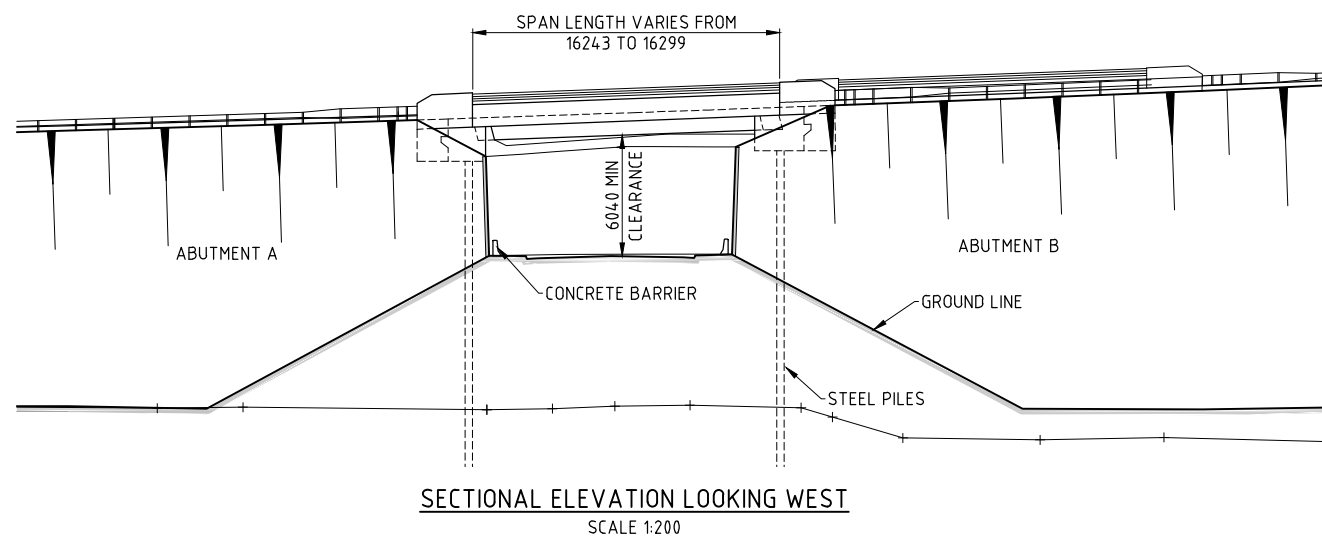
SKEW DIAGRAM - SOUTH  
NTS

## CONCEPT

REFERENCE FILES ATTACHED: HB09034-X14001; Bagdad Bypass 04-03-11 2D





|   |  |                    |  |  |  |  |  |  |  |   |  |   |                   |                   |  |                                   |  |                            |                        |
|---|--|--------------------|--|--|--|--|--|--|--|---|--|---|-------------------|-------------------|--|-----------------------------------|--|----------------------------|------------------------|
| SURVEYED<br>LESTER FRANKS                 |  | DATUM<br>GDA94/AHD |  |  |  |  |  |  |  | SCALES AT A1 SIZE<br><br>AS SHOWN<br>-<br>UNITS U.N.O MILLIMETRES |  |  <p>PITT &amp; SHERRY<br/>ADEL 77 000 588 083</p> <p>HOBART OFFICE<br/>189 Macquarie Street<br/>Hobart<br/>Tasmania 7000<br/>Ph: (03) 6223 1900<br/>Fax: (03) 6223 1299<br/>www.pitt-sherry.com.au</p> | DESIGNED<br>MP/MP | DATE<br>28-3-2011 | DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES |                                   |  |                            |                        |
| PROJECT FILING NO.<br>HB09034             |  | LOADING<br>SM1600  |  |  |  |  |  |  |  |   |  |   |                   | REVIEWED          | DATE   | MIDLAND HIGHWAY<br>BAGDAD BYPASS  |  | FROM LINK No. / DISTANCE   | TO LINK No. / DISTANCE |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100314  |  |                    |  |  |  |  |  |  |  |   |  |   |                   | AUTHORISED        | DATE   | BALLYHOOLY ROAD UNDERPASS CONCEPT |  | CONTRACT No.               | SHEET No.<br>60        |
| DESIGN MODEL NAME<br>ALIGN 3 STAGE 080214 |  |                    |  |  |  |  |  |  |  |   |  |   |                   | ACCEPTED          | DATE   |                                   |  | DRG. No.<br>HB09034-P14 01 |                        |
|   |  |                    |  |  |  |  |  |  |  |   |  |   |                   |                   |  |                                   |  |                            |                        |
|   |  |                    |  |  |  |  |  |  |  |   |  |   |                   |                   |  |                                   |  |                            |                        |





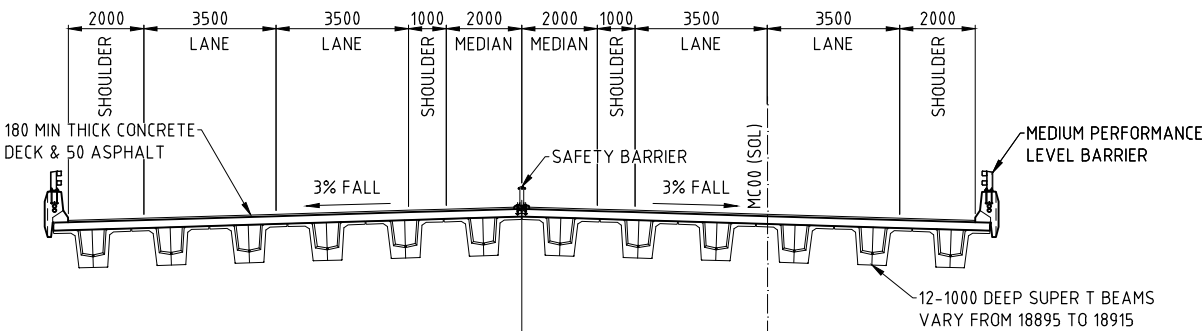
## CONCEPT

REFERENCE FILES ATTACHED: HB09034-X15003 3D MODEL

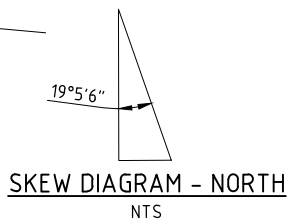
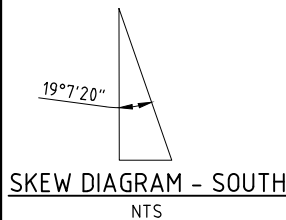
|  |  |                    |  |         |  |         |  |                                    |  |  |  |  |  |   |  |  |  |
|--|--|--------------------|--|---------|--|---------|--|------------------------------------|--|--|--|--|--|---|--|--|--|
| SURVEYED<br>LESTER FRANKS                  |  | DATUM<br>GDA94/AHD |  |         |  |         |  | SCALES AT A1 SIZE<br>AS SHOWN<br>- |  |  <b>PITT &amp; SHERRY</b><br><small>ABN 77 000 588 083</small><br>HOBART OFFICE<br>180 Macquarie Street<br>Hobart<br>Tasmania 7000<br>Ph: (03) 6223 1800<br>Fax: (03) 6223 1299<br>www.pitt-sherry.com.au |  | DESIGNED<br>RG/RG<br>28-3-2011<br>DATE |  | DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES  |  |  |  |
| PROJECT FILING NO.<br>HB09034              |  | LOADING<br>SM1600  |  |         |  |         |  | UNITS U.N.O MILLIMETRES            |  |   |  | REVIEWED<br>DATE                       |  | FROM LINK No. / DISTANCE TO LINK No. / DISTANCE<br>MIDLAND HIGHWAY<br>BAGDAD BYPASS<br>CHAUNCY VALE UNDERPASS CONCEPT |  |  |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100315   |  |                    |  |         |  |         |  |                                    |  |   |  | AUTHORISED<br>DATE                     |  | CONTRACT No. SHEET No.<br>61  |  |  |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080215 |  |                    |  |         |  |         |  |                                    |  |   |  | ACCEPTED<br>DATE                       |  | DRG. No.<br>HB09034-P1501   |  |  |  |
| SPAN LENGTHS ADDED TO ELEVATION            |  |                    |  | R.M.    |  | MAY '11 |  |                                    |  |  |  |  |  |   |  |  |  |
| DRAWING AMENDMENTS                         |  |                    |  | CHECKED |  | DATE    |  | APPROVED                           |  | DATE   |  | REFERENCE DRAWINGS                     |  | HB09034-P1501   |  |  |  |



VISUALISATION LOOKING EAST  
ALONG EAST BAGDAD ROAD





DECK SECTION LOOKING NORTH  
SCALE 1:100



**SKEW DIAGRAM - SOUTH**  
NTS  
**CONCEPT**

REFERENCE FILES ATTACHED: HB09034-X16001

|   |  |                    |  |                                 |  |         |      |          |         |  |               |   |   |      |                                    |                   |  |                        |
|---|--|--------------------|--|---------------------------------|--|---------|------|----------|---------|--|---------------|---|---|------|------------------------------------|-------------------|--|------------------------|
| SURVEYED<br>LESTER FRANKS                 |  | DATUM<br>GDA94/AHD |  |                                 |  |         |      |          |         | SCALES AT A1 SIZE                        |               |  | <b>PITT &amp; SHERRY</b><br>180 Pitt Street<br>Hobart Office<br>180 Macquarie Street<br>Hobart<br>Tasmania 7000<br>Ph. (03) 6222 1800<br>Fax. (03) 6222 1299<br>www.pittsherry.com.au |      | DESIGNED<br>EF/EF                  | DATE<br>28-3-2011 | DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES |                        |
| PROJECT FILING NO.<br>HB09034             |  | LOADING<br>SM1600  |  |                                 |  |         |      |          |         | AS SHOWN<br>-<br>UNITS U.N.O MILLIMETRES |               |   | REVIEWED  | DATE | MIDLAND HIGHWAY<br>BAGDAD BYPASS   |                   | FROM LINK No. / DISTANCE                           | TO LINK No. / DISTANCE |
| SURVEY MODEL NAME<br>BAGDADETAIL 100316   |  |                    |  |                                 |  |         |      |          |         |  |               |   | AUTHORISED  | DATE | CONTRACT No.                       |                   | SHEET No.<br>62                                    |                        |
| DESIGN MODEL NAME<br>ALIGN 3 STAGE 080216 |  |                    |  | SPAN LENGTHS ADDED TO ELEVATION |  |         |      | R.M.     | MAY '11 |  |               |  | ACCEPTED  | DATE | EAST BAGDAD ROAD UNDERPASS CONCEPT |                   | DRG. No.<br>HB09034-P1601                          |                        |
| NO.                                       |  | DRAWING AMENDMENTS |  |                                 |  | CHECKED | DATE | APPROVED | DATE    | REFERENCE DRAWINGS                       | HB09034-P1601 |   |   |      |                                    |                   |  |                        |

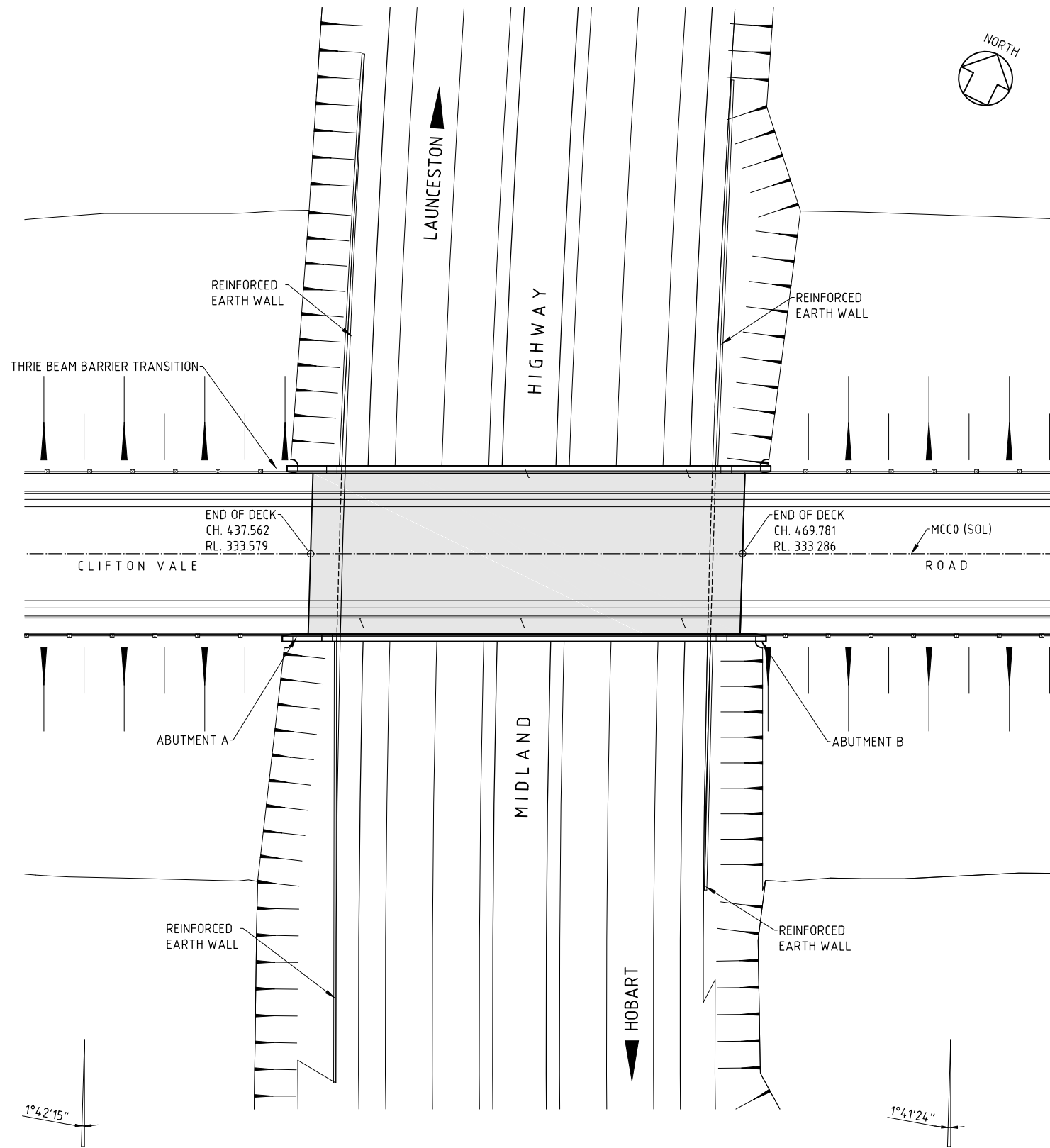
May. 31, 11 - 14:50:24 Name: HB09034-P1601.dwg Updated By: Lloyd Allen





|                           |                        |
|---------------------------|------------------------|
| FROM LINK No. / DISTANCE  | TO LINK No. / DISTANCE |
| CONTRACT No.              | SHEET No.<br>63        |
| DRG. No.<br>HB09034-P1701 |                        |

May 31, 11 - 14:50:33 Name: HB09034-P1701.dwg Updated By: Lloyd Allen



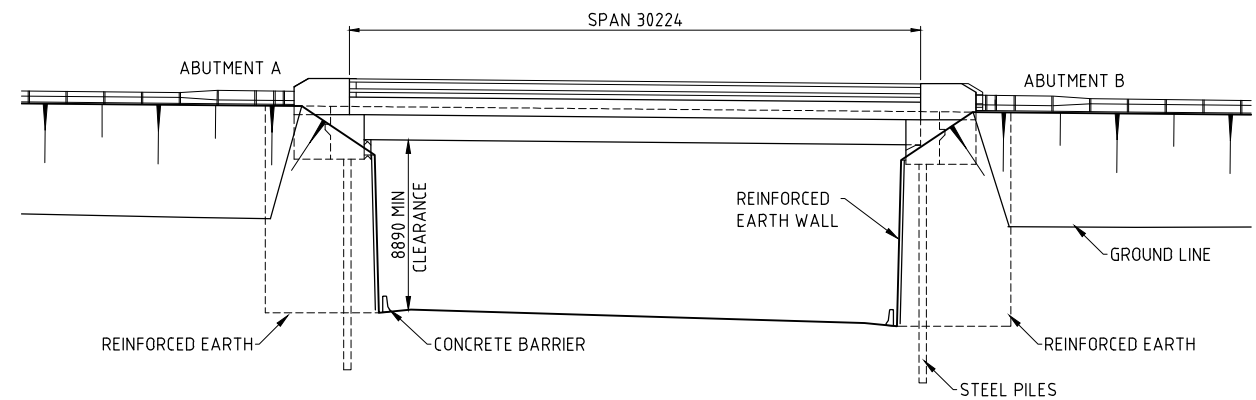
SKEW DIAGRAM - WEST  
NTS

PLAN  
SCALE 1:200

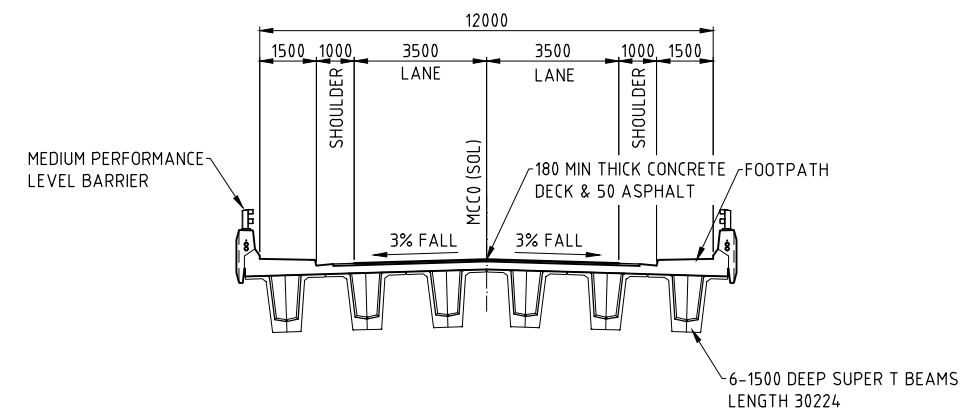
SKEW DIAGRAM - EAST  
NTS



VISUALISATION LOOKING NORTH  
UP THE MIDLAND HIGHWAY



ELEVATION LOOKING NORTH  
SCALE 1:200



DECK SECTION LOOKING EAST  
SCALE 1:100

## CONCEPT

REFERENCE FILES ATTACHED: HB09034-X18003 3D MODEL

|  |                    |         |      |          |      |                    |  |
|--|--------------------|---------|------|----------|------|--------------------|--|
| SURVEYED<br>LESTER FRANKS                  | DATUM<br>GDA94/AHD |         |      |          |      |                    |  |
| PROJECT FILING NO.<br>HB09034              | LOADING<br>SM1600  |         |      |          |      |                    |  |
| SURVEY MODEL NAME<br>BAGDADDETAIL 100318   |                    |         |      |          |      |                    |  |
| DESIGN MODEL NAME<br>ALIGN 3 FSTAGE 080218 |                    |         |      |          |      |                    |  |
| NO.  | DRAWING AMENDMENTS | CHECKED | DATE | APPROVED | DATE | REFERENCE DRAWINGS |  |

SCALES AT A1 SIZE  
AS SHOWN  
-  
UNITS U.N.O MILLIMETRES



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HB09034-P1801

|                   |                   |
|-------------------|-------------------|
| DESIGNED<br>RG/RG | DATE<br>28-3-2011 |
| REVIEWED          | DATE              |
| AUTHORISED        | DATE              |
| ACCEPTED          | DATE              |

DEPARTMENT OF INFRASTRUCTURE, ENERGY AND RESOURCES  
MIDLAND HIGHWAY  
BAGDAD BYPASS  
CLIFTON VALE ROAD OVERPASS CONCEPT

|                           |                        |
|---------------------------|------------------------|
| FROM LINK No. / DISTANCE  | TO LINK No. / DISTANCE |
| CONTRACT No.              | SHEET No.<br>64        |
| DRG. No.<br>HB09034-P1801 |                        |



REDUCED SCALE PLOT



# Department of Infrastructure, Energy and Resources

OFFICE OF THE SECRETARY

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Your Ref Our Ref



Mr Tim Kirkwood  
General Manager  
Southern Midlands Council  
PO Box 21  
OATLANDS TAS 7120  
By Email: [mail@southernmidlands.tas.gov.au](mailto:mail@southernmidlands.tas.gov.au)

Dear Mr Kirkwood

Please find enclosed the Department of Infrastructure, Energy and Resources' (DIER) comments on the Draft Southern Midlands Interim Planning Scheme 2013. I congratulate your Council on development of the Scheme, as it represents an important step towards improving Tasmania's planning system.

DIER is generally supportive of the overall intent and direction of the Interim Scheme. Specific comments related to DIER's portfolio interests, including roads, public transport and forest policy, are attached in the supporting document.

My department would be happy to discuss any of our comments in further detail. If you have any questions on DIER's comments, please contact Danielle Hofman on 6216 4349.

Yours sincerely

Norm McIlfratrick  
SECRETARY

11 July 2013

## General Comments

The Draft Interim Planning Scheme adopts a logical, strategic outlook on development within the Municipality. DIER generally supports the range of objectives for planning which underpin the Scheme, and commends the Council on their long-term vision for the region.

Although the *Utilities* zoning reflects existing road infrastructure, over the next 12 months DIER will commence on a number of Nation Building 2 projects which will ultimately result in the need to extend the *Utilities Zone*. The inclusion of 'qualified departures' for several properties in the *Rural Zone* will have an impact on the existing and future strategic transport corridor. Therefore, DIER asks that the Southern Midlands Council retain some flexibility in its zoning decisions to allow for an expansion of the *Utilities Zone* where additional road infrastructure will be constructed.

DIER will continue to engage with Council in relation to the Nation Building projects so that new planning schemes reflect new and pending road infrastructure.

DIER also notes that no future road corridor zones have been identified within the map sheets, and requests flexibility in the consideration of further upgrades and extension of the Midlands Highway.

With respect to forestry, the *Southern Tasmanian Regional Land Use Strategy* appears to have been applied with reasonable consistency across the Southern Councils. From DIER's perspective, forestry appears to be relatively unencumbered where it is expected to be a key activity (i.e. within the *Rural Resource Zone*). DIER commends the Council on the exemption for Forestry of the application of relevant Codes (in particular, the Biodiversity, Water and Scenic Codes) where a Forest Practices Plan is in place.

DIER notes that all Southern Region Schemes appear to ignore the existence of Private Timber Reserves, which are exempt from Planning Schemes (s20(7)(a) of the *Land Use Planning and Approvals Act 1993* provides that nothing in any planning scheme or interim order affects the management of land declared as a private timber reserve under the *Forest Practices Act 1985*). The schemes should be annotated to alert planners, applicants and approving bodies of this fact.

While TasRail is responsible for planning the rail network, DIER notes that the existing rail network has not been included in the Utility zone on Planning Scheme maps. DIER would be happy to provide updated map layers, and recommends that these be included in the Scheme's maps. Please contact DIER and we will send through the information relevant to your Council.

Detailed comments on areas of particular interest or concern to DIER are provided below. Please note that a number of DIER's comments are of relevance to the Southern Region generally, and it may be beneficial to review some provisions on this basis.

## Part B: Administration

### 5.0 General Exemptions

DIER is supportive of general exemption 5.4, which exempts the maintenance and repair of roads and bridges from planning approval.

### 6.0 Limited Exemptions

It is noted that part 6.3 allows partial exemption for vegetation clearance associated with minor road upgrades; however 6.3.1(g) requires a planning permit for the clearing of land located within 30m of a



wetland or watercourse. DIER is concerned for the implications this may have in undertaking vegetation management within the road reservation under the maintenance program.

A welcome inclusion is the exemption for minor upgrades of the State road network under 6.2.4.

## **Part D: Zones**

DIER has no issue with the construction of roads being 'discretionary' in a number of zones on the basis that the *Exemptions* under Part B allow for minor upgrades of roads, including widening of the existing carriageway, to be exempt from planning approval.

### **10.0 General Residential Zone**

To facilitate better connectivity for public transport, walking and cycling for new residential subdivisions, DIER submits that additional provisions should be added, or existing provisions (10.6.2) strengthened. The intent should be that new residential development is based on an interconnected street network that:

- minimises the travel distance between two points, especially key destinations, such as shops, and
- in its design, facilitates walking, cycling and the efficient movement of public transport.

To facilitate walking, cycling and public transport use, road infrastructure (i.e. roads, cycle ways, and footpaths) should be designed so that it is attractive, safe and secure for the user. Public transport facilities, such as bus stops, should be provided where appropriate (i.e. in convenient locations which serve attractors). Where a subdivision is not located on a bus route or able to be serviced by a future bus route, direct and safe pedestrian access should be provided to a bus route/bus stop.

The design of roads also needs to ensure the effective manoeuvrability of larger vehicles (e.g. buses).

### **27.0 Significant Agricultural Zone**

Forestry in the *Significant Agricultural Zone* is discretionary, but in describing what is allowable, native forest operations appear to be excluded. DIER recommends the amendment of the Use Table at 27.2 to read 'Only if for *forest operations*, tree farming and plantation forestry in accordance with a Forest Practices Plan and not located on prime agricultural land'.

### **28.0 Utility Zone**

DIER is supportive of the provisions in parts 5 and 6, which allow DIER to undertake repair and maintenance and minor road upgrades (e.g. shoulder sealing) without requiring a planning permit.

The impact of Use Standards for External Lighting at 28.3.3 is of concern to DIER, in regard to providing appropriate lighting on major highways and intersections. DIER proposes that an exemption for street lighting be included.

Although the review of the *Road and Rail Assets Code* is expected to deal with rail issues, DIER recommends that the protection of rail corridors be included for consideration, and areas for maintenance and repair be incorporated within the *Utility Zone*. It should be noted that residential property in close proximity to rail corridors can be adversely affected by rail noise and vibration. DIER recommends consideration be given to adequate buffer zones (minimum 50m) to ensure future residential development is not impacted. It is also recommended that line of sight distances are

maintained at level crossings and are not impacted by future. These provisions could then be reviewed once the *Road and Rail Assets Code* is finalised, to ensure there is no duplication or inconsistencies.

## **29.0 Environmental Management Zone**

The new *Environmental Management Zones* appear to prohibit forest operations, and DIER submits that forest operations should be allowed as a regional discretionary activity. DIER suggests the Use Table at 29.2 be amended to include wording such as 'for forest operations on existing forested land in accordance with an approved Forest Practices Plan'.

## **33.0 Particular Use Zone 2 – Future Road Corridor**

Utilities are a discretionary use in the *Future Road Corridor Zone*. DIER undertakes extensive planning and consultation in developing new road corridors and contends that utilities should be a permitted use, rather than discretionary.

## **Part E: Codes**

DIER is supportive of the *Potentially Contaminated Land Code*, *Landslip Code*, and *Flood Prone Areas Code* being incorporated within the Scheme when drafting is finalised by the Planning Commission.

## **6.0 Parking and Access Code (also relates to D17.0 Community Purpose Zone & D23.0 Commercial Zone)**

Regional or local provisions appear to be limited in regard to 'end of trip facilities'. End of trip facilities are designated places that support cyclists and walkers in using active transport. They also support people undertaking exercise at work, which has health and well being benefits.

Although the Scheme refers to bicycle parking, DIER proposes that the Scheme is extended to include facilities such as lockers and male and female change rooms with showers. *Austroads – Cycling Aspects of Austroads Guides 2011* provides details of appropriate facilities. DIER suggests that provisions be drafted either within the Parking and Access Code or within the development standards for Commercial and Community Purpose Zones.

End of trip facilities should be installed for all new major developments and major additions to major developments, such as office buildings, shopping centers, tertiary education facilities and hospitals. They should be easily accessible to users and located within the building. The facilities should also be provided in accordance with prescribed workforce or occupant ratios.

## **6.0 Parking and Access Code**

There is a typographical error at 6.0. The first sentence of the second paragraph should read 'along with facilities *for* cyclists.'

DIER contends that provision 6.7.10, which relates to bicycle storage, should refer to the contemporary guidelines: *Austroads – Cycling Aspects of Austroads Guides 2011*.

DIER is highly supportive of the approach taken by the Hobart City Council in the Central Business Zone (see 6.6.5), in applying maximum standards for car parking to activity centres with good access to high frequency public transport corridors (i.e. the closer to the public transport corridors the lower the maximum level of parking). This approach is in line with the *Tasmanian Urban Passenger*



*Transport Framework.* The Framework contains strategies designed to reduce the reliance on private vehicles for travel by developing appropriate car parking policies and pricing mechanisms. Work underpinning the framework recommended that minimum parking standards for new developments are eliminated and replaced with maximum standards. The minimum car parking standards formula yields a surplus of car parking that is costly for developers to provide, and encourages greater car based travel even in areas where effective public transport choices exist.

DIER contends that a similar approach be considered for major and minor activity centres with access to high frequency public transport.

## **7.0 Infrastructure Code**

The approach taken under 7.7.3 in relation to Stormwater Drainage and Disposal appears to be reasonable, and is acceptable to DIER.

## **8.0 Construction Management Code**

DIER is concerned that a discretionary planning permit is required for road construction for works involving a development area more than 500m<sup>2</sup>. This will invoke the need to obtain a permit for minor works, with is a significant burden.

## **9.0 Attenuation Code**

DIER is supportive of this code as it does not appear to have any negative implications for roads.

## **10.0 Biodiversity Code**

DIER notes that a GIS based exercise is used to identify the Biodiversity Protection Area, as an alternative to adopting Table E10.1 which lists impacted values or species. DIER contends that Table E10.1 provides a more flexible and sensible approach, as GIS rule based hard lines on maps do not always accurately describe natural or environmental features.

Upgrading and maintenance within a 2 metre boundary of existing infrastructure appears to be exempt under 10.4 (h). However given the general exemption under Part B at 5.4.1 (b), which appears to provide a general exemption for activities such as maintenance, repairing and minor upgrades, this exemption may be unnecessary for inclusion.

The allowance for works to be exempt within 2 metres of a 'road' is somewhat confusing when a 'road' is defined as "...land over which the general public has permanent right of passage, including the whole width between abutting property boundaries, all footpaths and the like, and all bridges over which such a road passes".

A valid interpretation of this provision is that the exemption applies throughout the road reserve to the abutting property boundaries and to 2 metres beyond the abutting property boundaries.

It is standard practice for DIER to investigate potential impacts on threatened flora and fauna, and to undertake field surveys as necessary. Based on the above interpretations, DIER supports an exemption for roads from the Biodiversity Code. DIER already addresses impacts to threatened species under existing state and federal legislation, and this exemption reduces unnecessary duplication.

## **11.0 Waterway and Coastal Protection Code**

DIER submits that at 11.1, the term 'minimise the impact of development on' should be replaced with the word 'protect'.

In regard to 11.4 (Development Exempt from this Code), it is noted that the provision to exempt works within 2 metres of existing infrastructure for purposes of maintenance, repair, upgrading or replacement (E11.4.1 (i)) is inconsistent with general exemptions (5.4.1 (b)) where activities such as maintenance, repairing and minor upgrades are exempt or subject to the limited exemption provisions.

Further, the allowance for works to be exempt within 2 metres of a 'road' is somewhat confusing when a 'road' is defined as "...land over which the general public has permanent right of passage, including the whole width between abutting property boundaries, all footpaths and the like, and all bridges over which such a road passes".

A valid interpretation of this provision is that the exemption applies throughout the road reserve to the abutting property boundaries and to 2 metres beyond the abutting property boundaries.

Given it is standard practice for DIER to undertake detailed flora and fauna surveys and respond to recommendations accordingly, an exemption for roads from this *Waterway and Coastal Protection Code* is supported on the basis that threatened species and communities at both the state and federal level will be addressed under the relevant legislation.

An alternative to an exemption for roads is for the 2 metre boundary in clause 11.4 (i) to be changed to allow for maintenance, repairs and minor upgrading of the road to be undertaken within the existing road reservation.

DIER notes that the *Waterway and Coastal Protection Code* appears to be in line with the *Forest Practices Code* method of stream classification by catchment size.

## **14.0 Scenic Landscape Code**

Given the Scenic Landscape Corridor is determined to be on either side of a major road (E14.3), exemptions relating to works within road reserves appear to have no relevance (E14.4 (j)), unless road works extend outside of the corridor.

Given the intent of this code, DIER contends that it would be appropriate to exempt all roadwork within a current or future road reserve.

Alternatively, a more simplistic approach would be for the *Utilities Zone* in its entirety to be exempt from the *Scenic Landscape Code*.

The Scenic Corridor overlay is not relevant to the proposed Bagdad Bypass route. DIER contends that the logical approach is to apply this to either side of the existing Midland Highway.

## **16.0 Coastal Erosion Hazard Code**

DIER has no issue with the *Coastal Erosion Hazard Code* on the basis that provision 5.4.1 of Part B enables repair and maintenance to be undertaken without invoking the Code, including raising the level of road within the *Utilities Zone*.



## **17.0 Signage Code**

DIER is supportive of Table 17.1 which appears to exempt road signs from requiring approval.