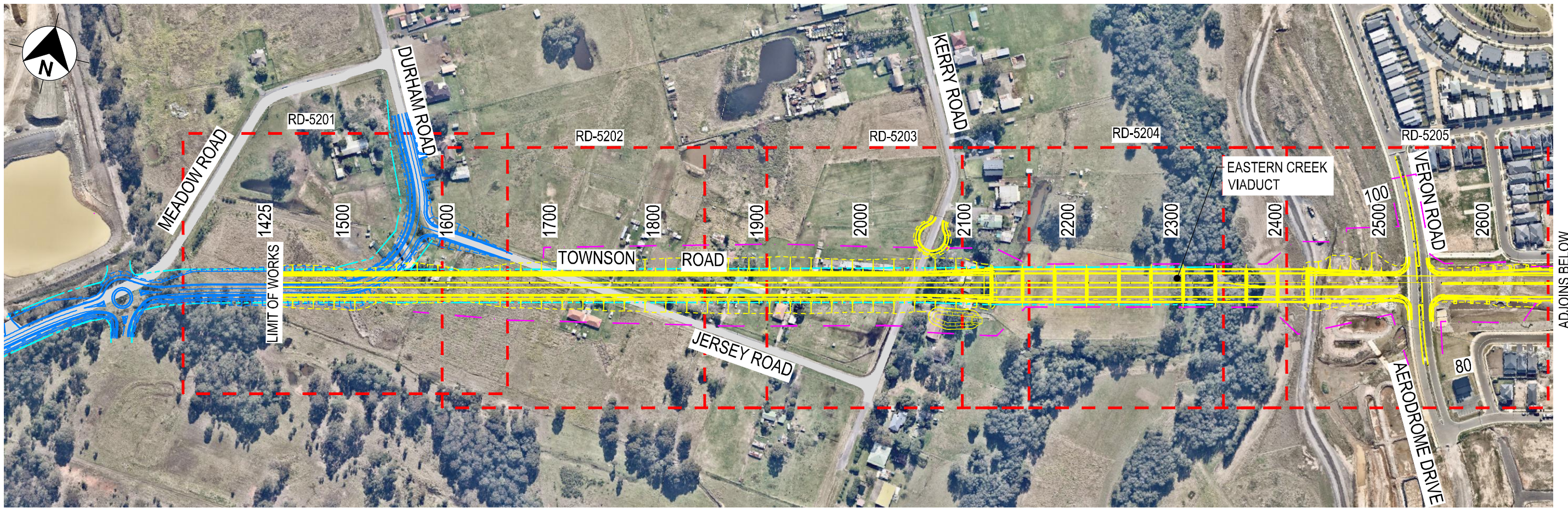
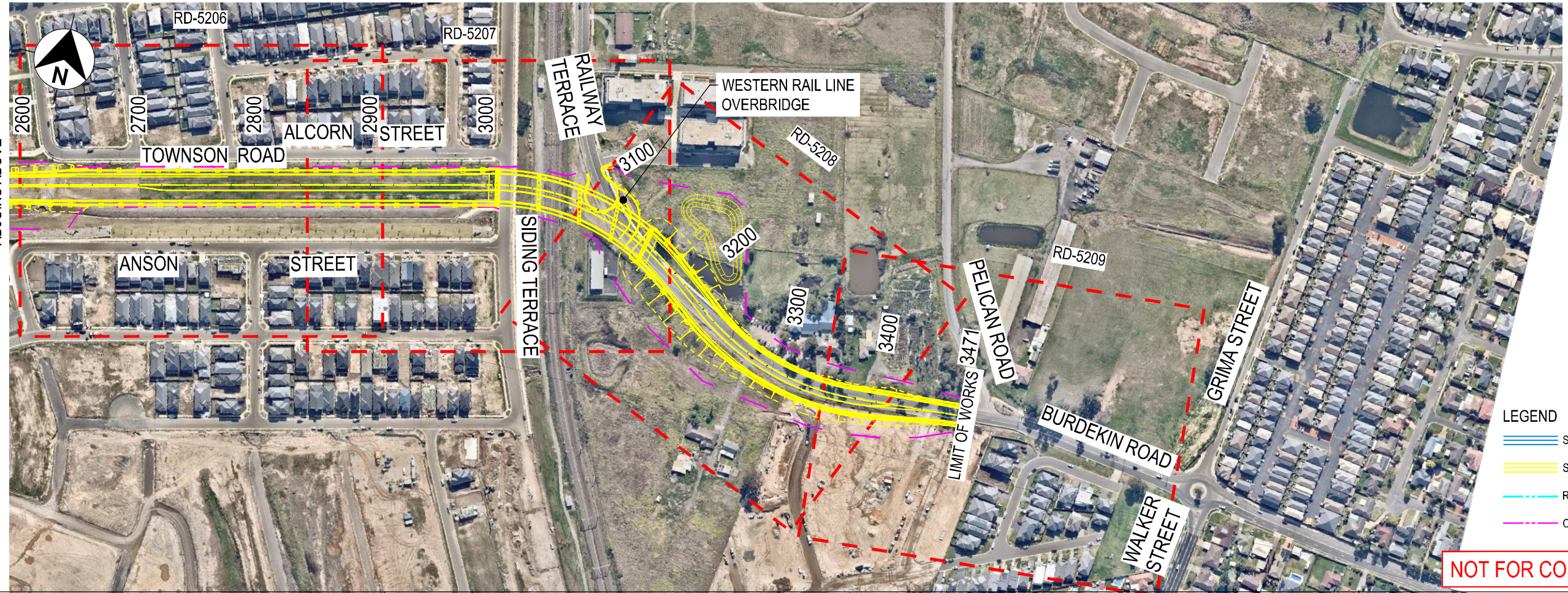


Appendix C

Concept design drawings



ADJOINS BELOW



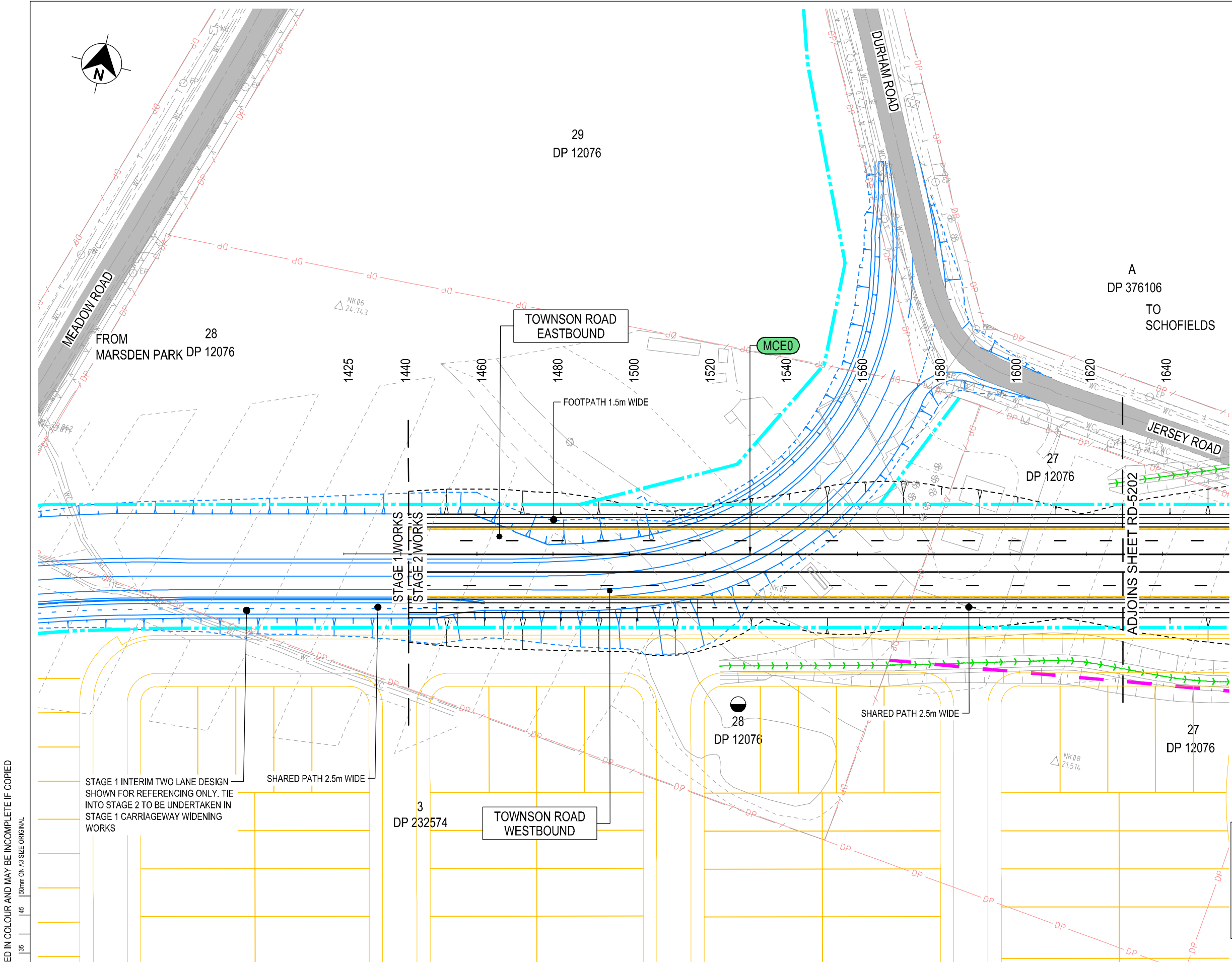
ADJOINS ABOVE

- LEGEND**
- STAGE 1 WORKS
 - STAGE 2 WORKS
 - - - - RMS BOUNDARY
 - - - - OPERATIONAL BOUNDARY

NOT FOR CONSTRUCTION

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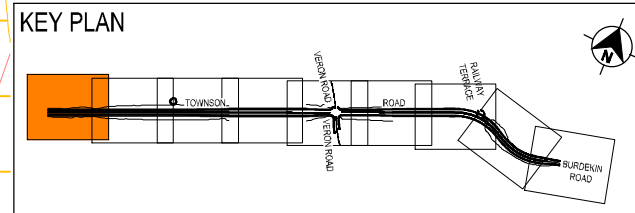
| DRAWING FILE LOCATION / NAME C:\Users\krandell\Documents\TOWNSON ROAD\Exports\12511195-DC-GE-5022.dwg | | DESIGN LOT CODE | DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING 12511195-DESI-CTRL-CONCEPT-210921.txd 12511195-DESI-CONCEPT-210921.txd | | PLOT DATE/TIME 10/29/2021 10:53 AM | PLOT BY krandell | | BLACKTOWN CITY COUNCIL TOWNSON ROAD TO BURDEKIN ROAD LINK STAGE 2 JERSEY ROAD TO BURDEKIN ROAD SCHOFIELDS GENERAL (GE) OVERVIEW PLAN | | A3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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LEGEND

- CONTROL ALIGNMENT CHAINAGES
- DESIGN CONTROL STRING LABEL
- PROPOSED BOUNDARY (TBC)
- CONSTRUCTION BOUNDARY (SUBJECT TO AGREEMENT & ADJUSTMENT DUE TO BATTER INTERFACE & STORMWATER BASIN)
- CADASTRAL BOUNDARY
- EASEMENT
- STAGE 1 WORKS
- PROPERTY ADJUSTMENT (TBC)
- EXISTING PAVEMENT (TOPOGRAPHICAL SURVEY)
- PROPOSED DRAINAGE CULVERT
- SURVEY MARK
- DRAINAGE CHANNEL [GRASS LINED]

- NOTES**
- FOR DETAILS OF STORMWATER MANAGEMENT REFER TO PART 2, SM SERIES
 - FOR DETAILS OF PAVEMENT MARKING AND SIGNAGE REFER TO PART 3, RF SERIES
 - FOR DETAILS OF PROPERTY ADJUSTMENT INCLUDING DRIVEWAYS REFER TO PART 7, PW SERIES



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| DRAWING FILE LOCATION / NAME C:\Users\k.randell\Documents\TOWNSON ROAD\Exports\12511195-DC-RD-5201.dwg | | DESIGN LOT CODE | DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING 12511195-DESI-CTRL-CONCEPT-210921.txt 12511195-DESI-CONCEPT-210921.txt | PLOT DATE / TIME 10/27/2021 11:53 AM | PLOT BY k.randell | CLIENT BLACKTOWN CITY COUNCIL TOWNSON ROAD TO BURDEKIN ROAD LINK | A3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| SHEET No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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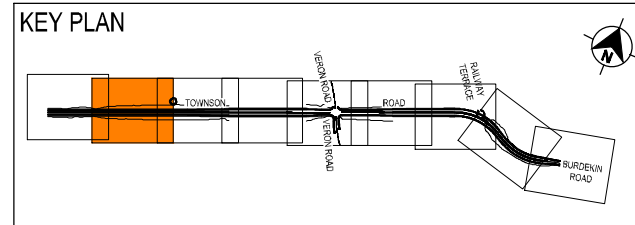
GHD
GHD Pty Ltd
Level 6, 20 Smith Street Parramatta
NSW 2150 Australia
PO Box 788 Parramatta NSW 2124
T 61 2 8898 8800 F 61 2 8898 8810
E sydmail@ghd.com W www.ghd.com



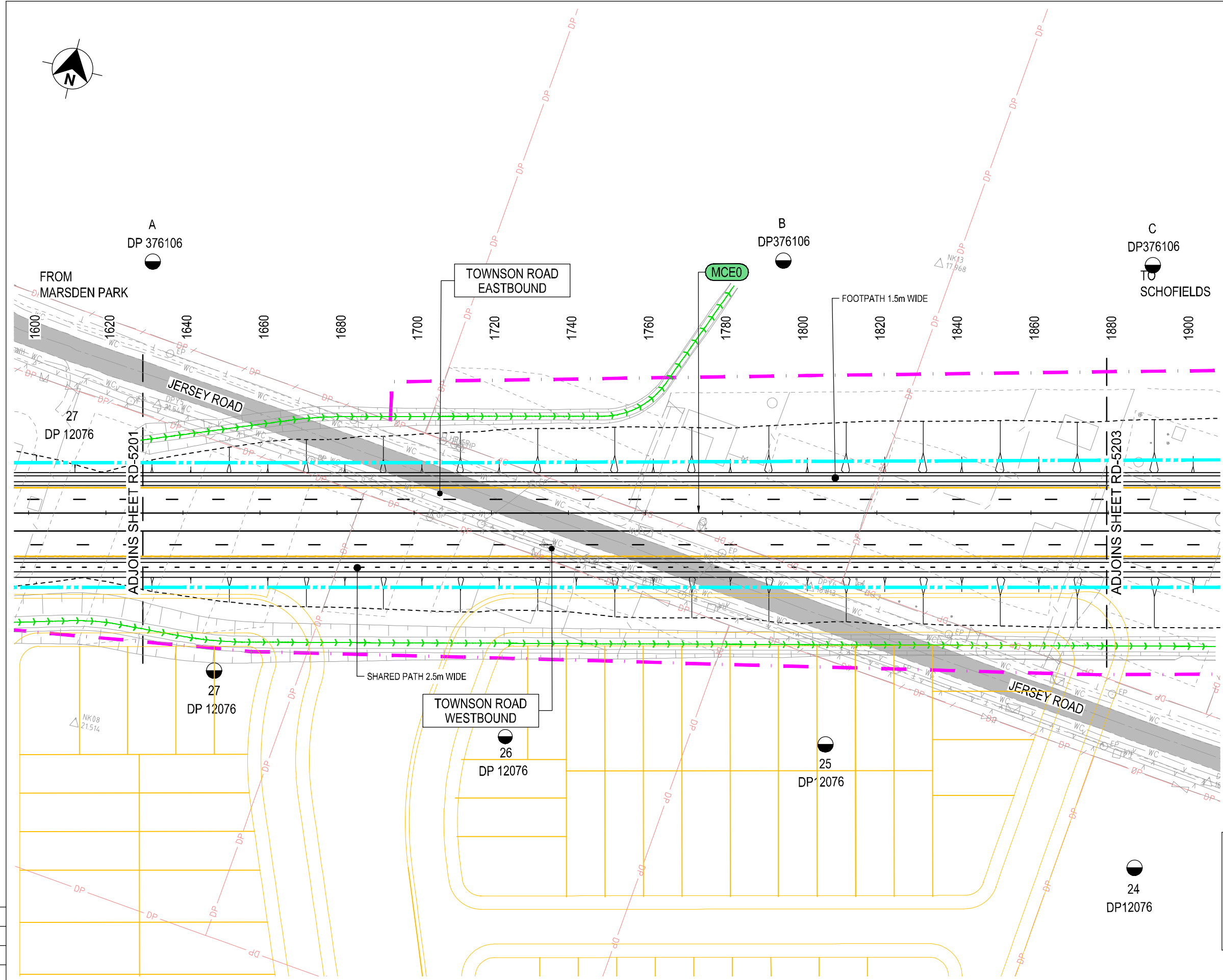


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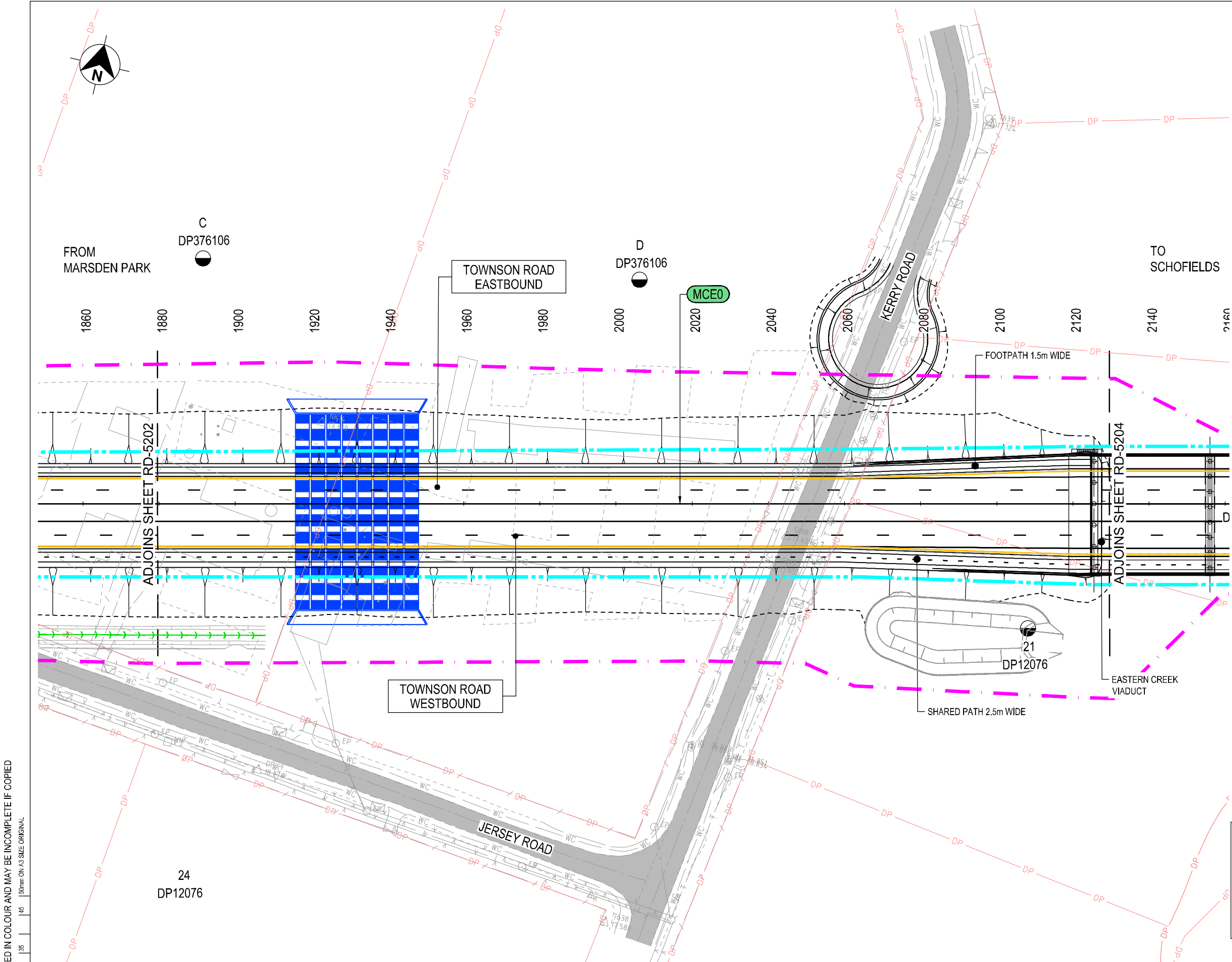


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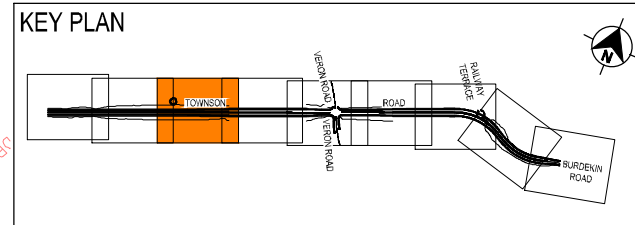
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|---|---|---|---|---|----------------------|--|----|----------------------------|-------------------------------|------------|----|---|----------|--------------------------------|-----|----|--|--|---------------------------|-------------------------------|--------------|---|---|--|-------|------|------|-------|-----------|----------|-----------|------------|----------|--------|---------|----------|--------------|------------|----------|-------------|------------|----------|--------------|---------------|----------|---|--|---|---|
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| CO-ORDINATE SYSTEM MGA ZONE 56 (GDA94) | | HEIGHT DATUM AHD | |  | | ISSUE STATUS 100% CONCEPT DESIGN | | EDMS No. SF2018/0243946 | SHEET No. RD-5202 | ISSUE 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



LEGEND

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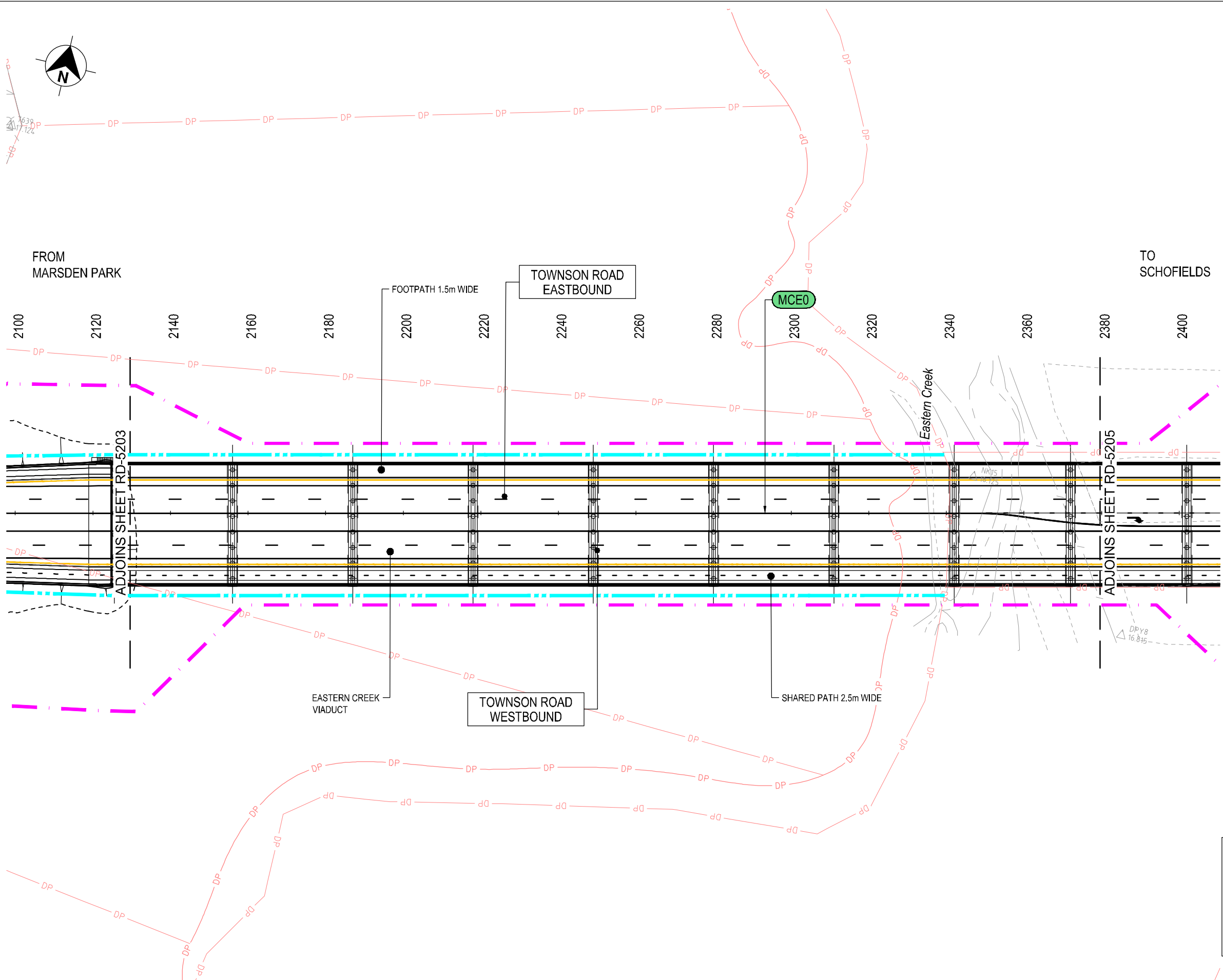


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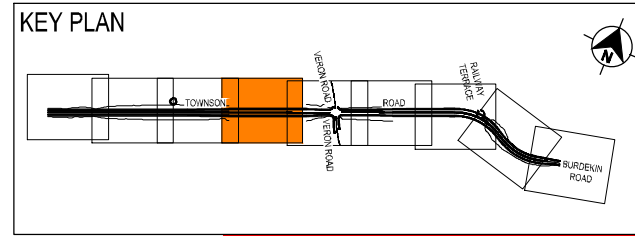
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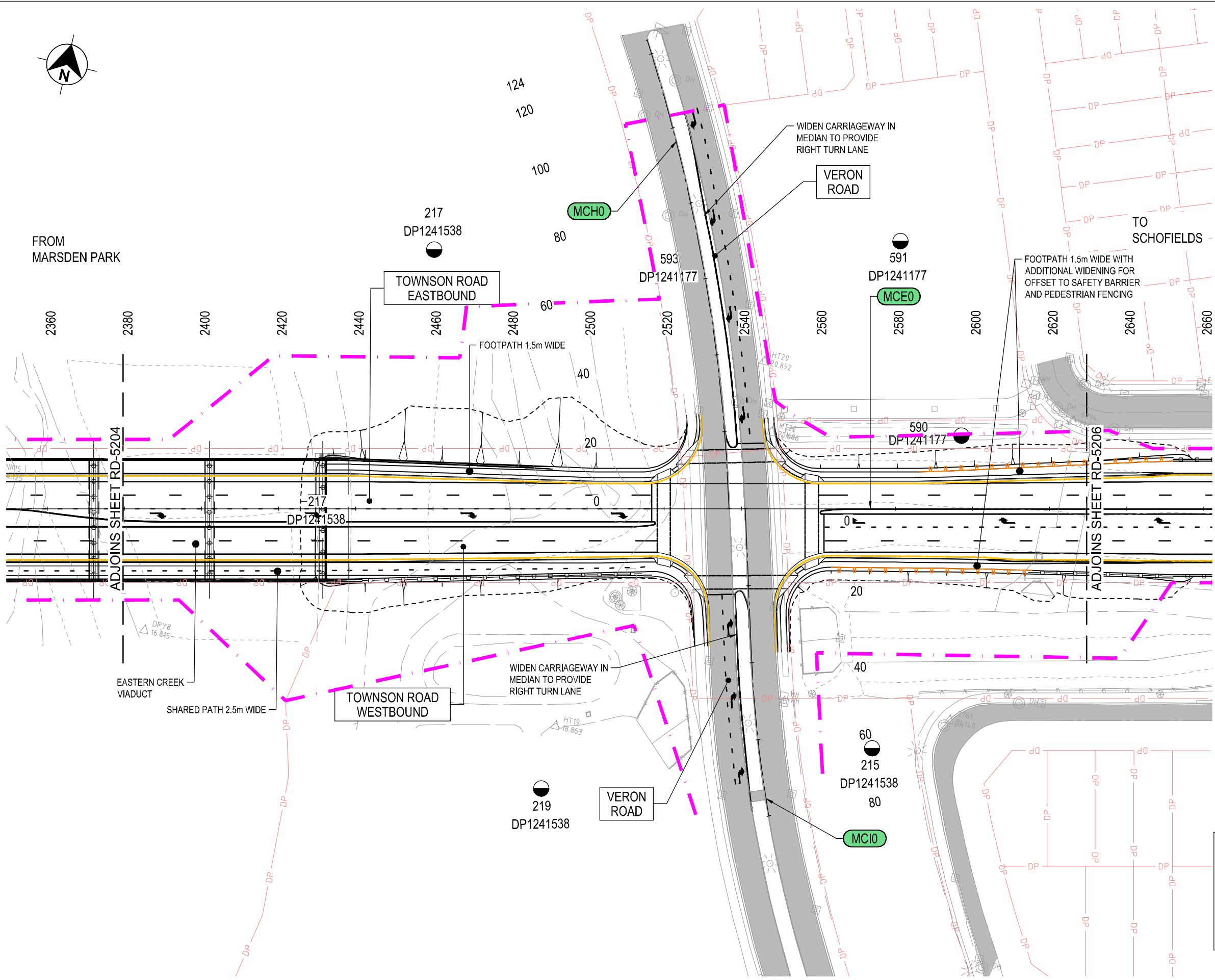
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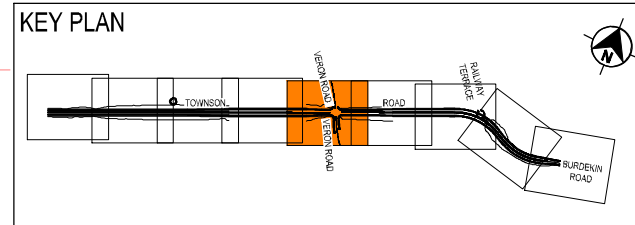
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| <p>CO-ORDINATE SYSTEM MGA ZONE 56 (GDA94) HEIGHT DATUM AHD</p> | | | | | | <p>© Transport for NSW</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| LEGEND | |
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| | PROPOSED DRAINAGE CULVERT |
| | SURVEY MARK |
| | DRAINAGE CHANNEL [GRASS LINED] |

- NOTES**
- FOR DETAILS OF STORMWATER MANAGEMENT REFER TO PART 2, SM SERIES
 - FOR DETAILS OF PAVEMENT MARKING AND SIGNAGE REFER TO PART 3, RF SERIES
 - FOR DETAILS OF PROPERTY ADJUSTMENT INCLUDING DRIVEWAYS REFER TO PART 7, PW SERIES

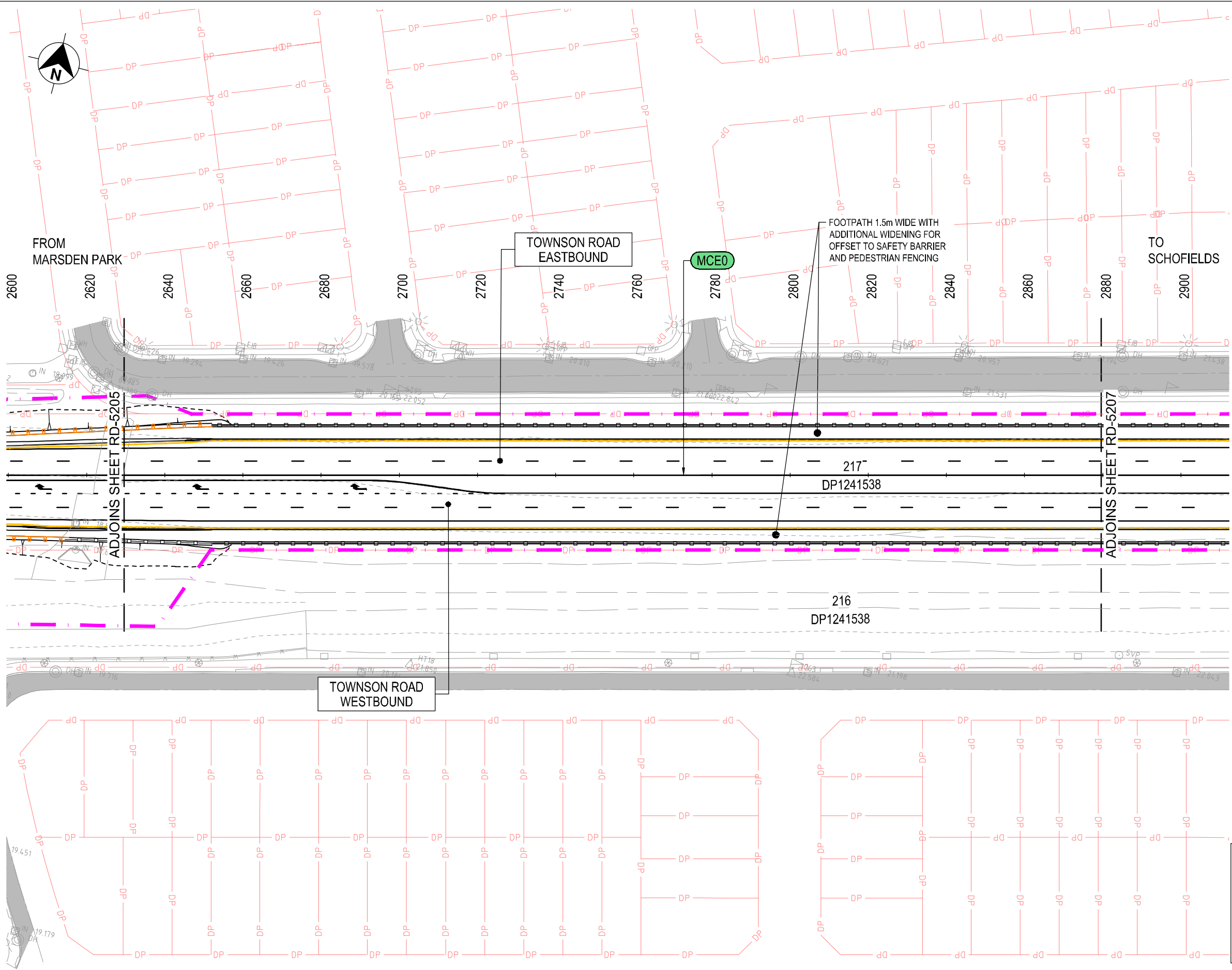


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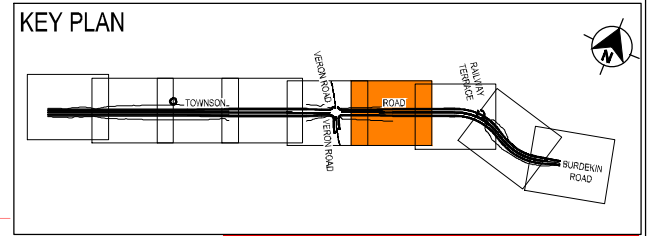
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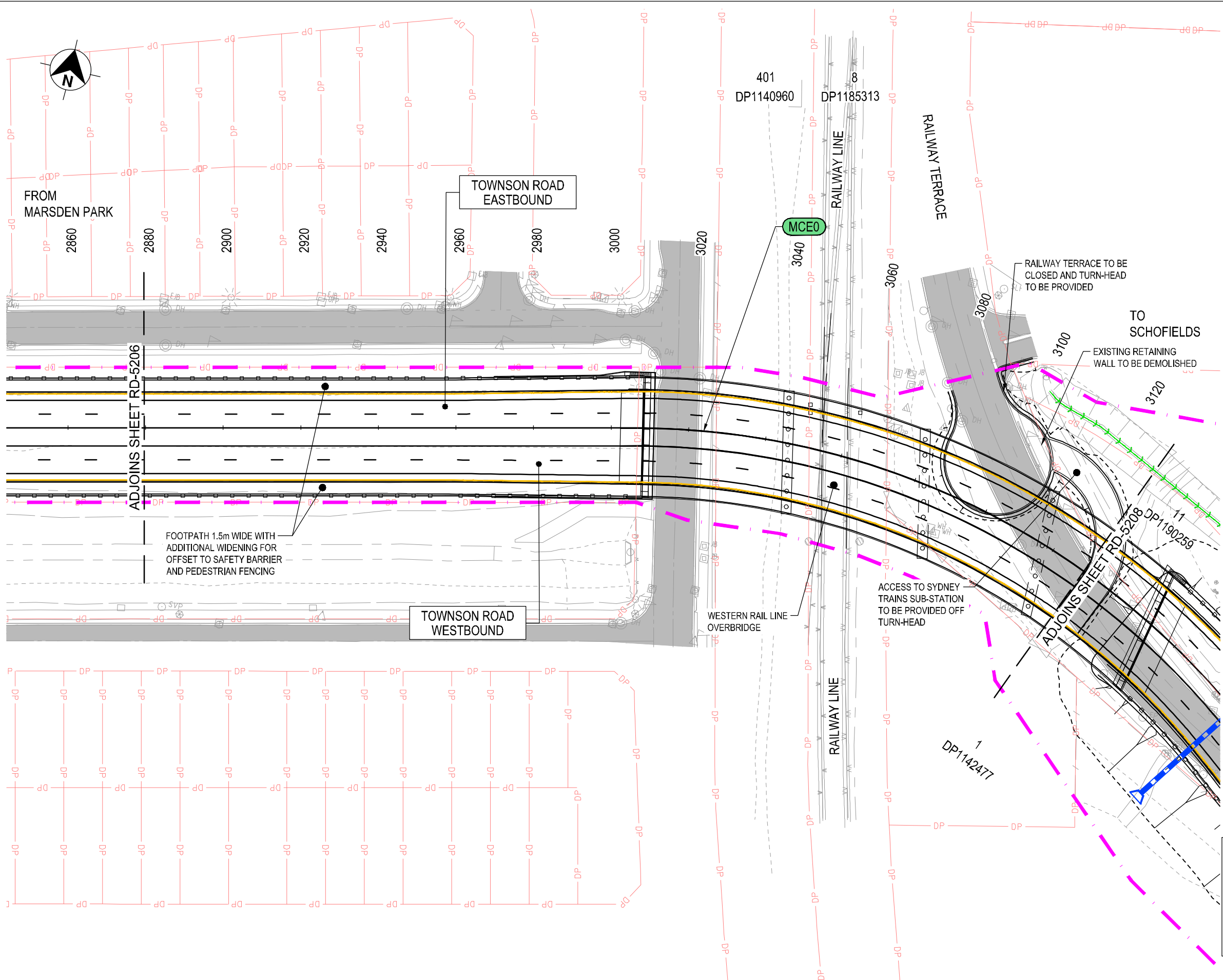
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NOT FOR CONSTRUCTION

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| REV | | DATE | | AMENDMENT / REVISION DESCRIPTION | | WVR No. | | APPROVAL | | SCALES ON A3 SIZE DRAWING SCALE 1:1000 AT A3 CO-ORDINATE SYSTEM MGA ZONE 56 (GDA94) | | | | | | | | | | | | | | | |
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| 1 | | 29.10.21 | | ISSUED FOR 100% CONCEPT DESIGN | | N/A | | JM | | DRAWINGS / DESIGN PREPARED BY Level 6, 20 Smith Street Parramatta NSW 2150 Australia PO Box 788 Parramatta NSW 2124 T 61 2 8898 8800 F 61 2 8898 8810 E sydmail@ghd.com W www.ghd.com | | | | | | | | | | | | | | | |
| TITLE | | NAME | | DATE | | DRAWN | | DRG CHECK | | | | | DESIGN | | DESIGN CHECK | | DESIGN MNGR | | PROJECT MNGR | | | | | | |
| ROAD ARRANGEMENT PLAN | | K. GORDON | | 29.10.21 | | K. RANDELL | | 29.10.21 | | K. LIEU | | 29.10.21 | | N. BURNETT | | 29.10.21 | | N. BURNETT | | 29.10.21 | | J. MCGUINNESS | | 29.10.21 | |
| GENERAL ARRANGEMENT PLAN | | WESTERN SYDNEY PROGRAM OFFICE | | RMS REGISTRATION No. | | DS2018/001093 | | ISSUE STATUS | | EDMS No. | | SF2018/0243946 | | SHEET No. | | RD-5206 | | ISSUE | | 1 | | | | | |
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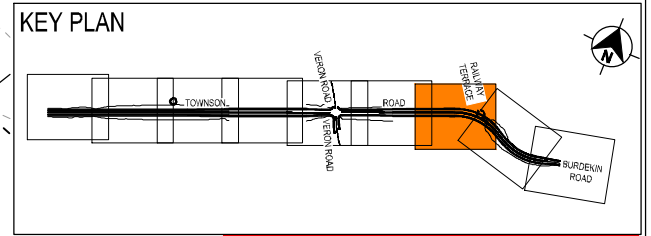
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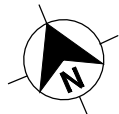
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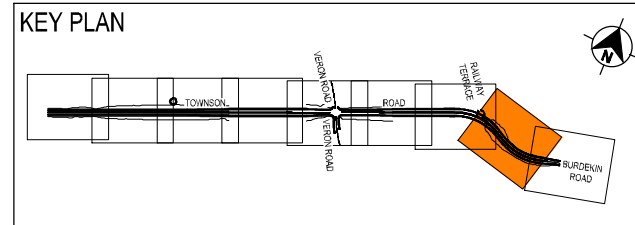
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| PROJECT MNGR | J. MCGUINNESS | 29.10.21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CO-ORDINATE SYSTEM MGA ZONE 56 (GDA94) | | HEIGHT DATUM AHD | | GHD Pty Ltd | | PREPARED FOR WESTERN SYDNEY PROGRAM OFFICE | | © Transport for NSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



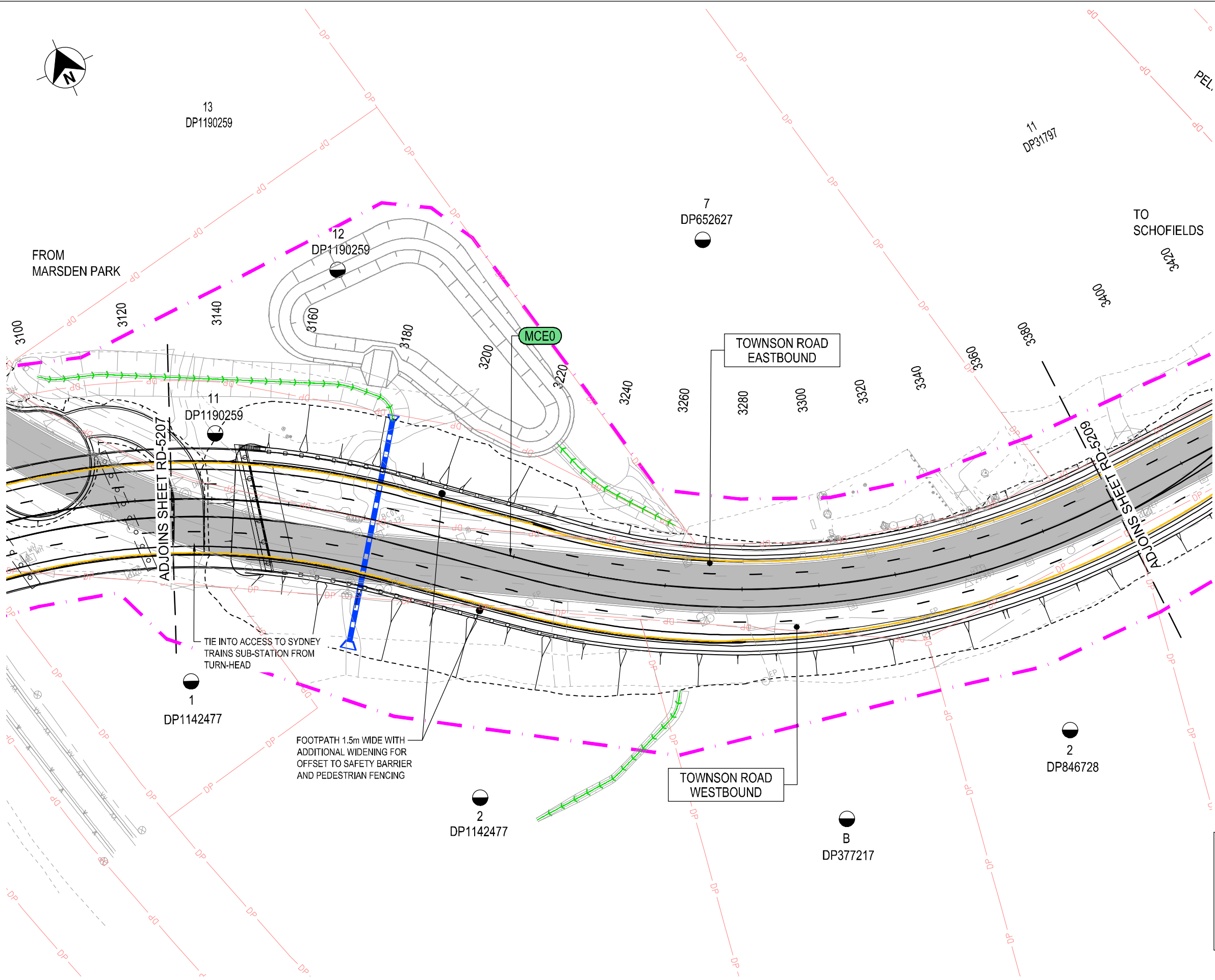
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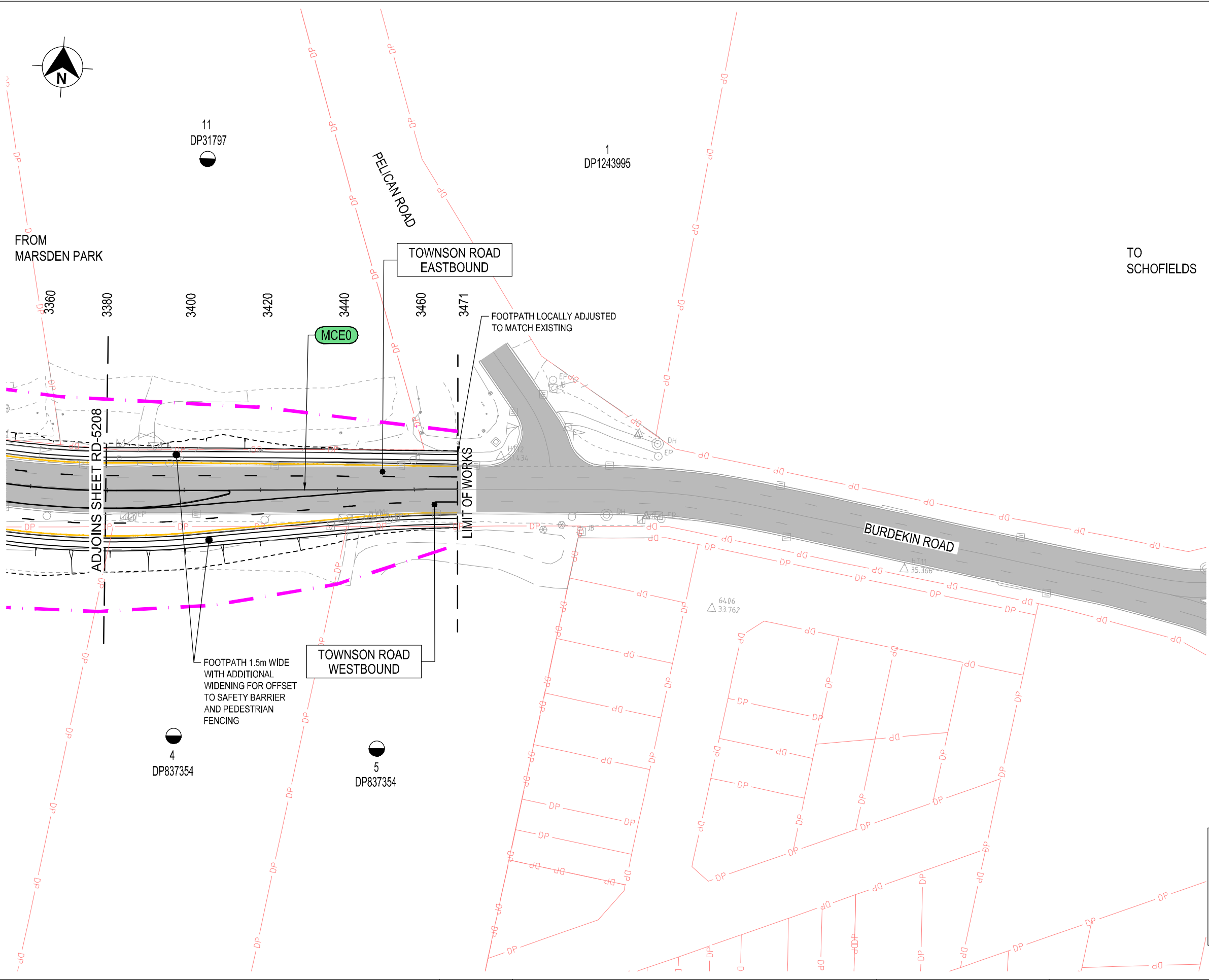


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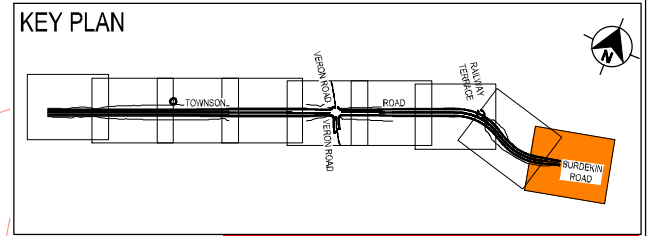
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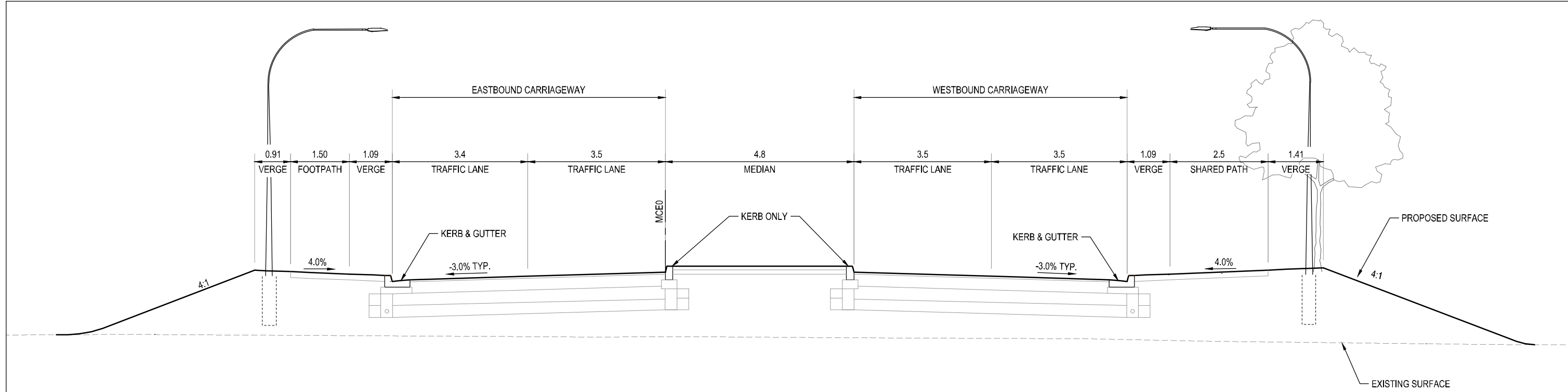
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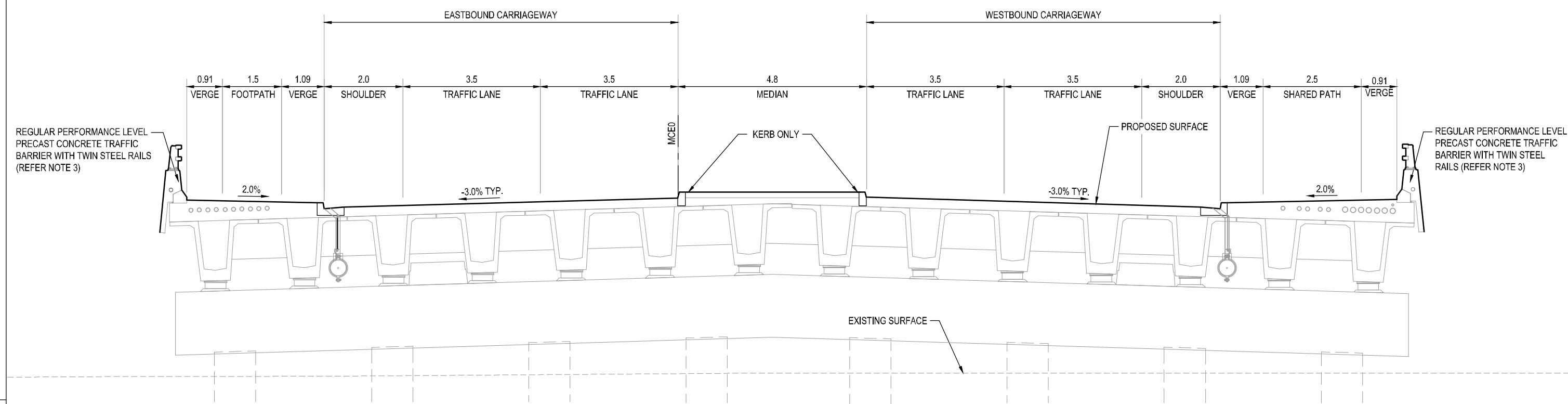


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|---|-------------------------------|--|--|------------------------------------|----------------------|---|------------------|-------------------------------|-----|----|---|----------|--------------------------------|-----|----|---|---|---|-------|------|------|-------|-----------|----------|-----------|------------|----------|--------|---------|----------|--------------|------------|----------|-------------|------------|----------|--------------|---------------|----------|---|---|--|
| <p>REV</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>AMENDMENT / REVISION DESCRIPTION</th> <th>WVR No.</th> <th>APPROVAL</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>25.02.21</td> <td>ISSUED FOR 50% CONCEPT DESIGN</td> <td>N/A</td> <td>ME</td> </tr> <tr> <td>1</td> <td>29.10.21</td> <td>ISSUED FOR 100% CONCEPT DESIGN</td> <td>N/A</td> <td>JM</td> </tr> </tbody> </table> | REV | DATE | AMENDMENT / REVISION DESCRIPTION | WVR No. | APPROVAL | 0 | 25.02.21 | ISSUED FOR 50% CONCEPT DESIGN | N/A | ME | 1 | 29.10.21 | ISSUED FOR 100% CONCEPT DESIGN | N/A | JM | <p>SCALES ON A3 SIZE DRAWING</p> <p>SCALE 1:1000</p> | <p>DRAWINGS / DESIGN PREPARED BY</p> <p>Level 6, 20 Smith Street Parramatta NSW 2150 Australia PO Box 788 Parramatta NSW 2124 T 61 2 8898 8800 F 61 2 8898 8810 E sydmail@ghd.com W www.ghd.com</p> <p>GHD Pty Ltd</p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>TITLE</th> <th>NAME</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRAWN</td> <td>K. GORDON</td> <td>29.10.21</td> </tr> <tr> <td>DRG CHECK</td> <td>K. RANDELL</td> <td>29.10.21</td> </tr> <tr> <td>DESIGN</td> <td>K. LIEU</td> <td>29.10.21</td> </tr> <tr> <td>DESIGN CHECK</td> <td>N. BURNETT</td> <td>29.10.21</td> </tr> <tr> <td>DESIGN MNGR</td> <td>N. BURNETT</td> <td>29.10.21</td> </tr> <tr> <td>PROJECT MNGR</td> <td>J. MCGUINNESS</td> <td>29.10.21</td> </tr> </tbody> </table> | TITLE | NAME | DATE | DRAWN | K. GORDON | 29.10.21 | DRG CHECK | K. RANDELL | 29.10.21 | DESIGN | K. LIEU | 29.10.21 | DESIGN CHECK | N. BURNETT | 29.10.21 | DESIGN MNGR | N. BURNETT | 29.10.21 | PROJECT MNGR | J. MCGUINNESS | 29.10.21 | <p>Transport for NSW</p> <p>PREPARED FOR WESTERN SYDNEY PROGRAM OFFICE</p> | <p>RMS REGISTRATION No. DS2018/001093</p> <p>ISSUE STATUS 100% CONCEPT DESIGN</p> <p>EDMS No. SF2018/0243946</p> <p>SHEET No. RD-5209</p> <p>ISSUE 1</p> | <p>SHEET 9 OF 9</p> <p>© Transport for NSW</p> |
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| 0 | 25.02.21 | ISSUED FOR 50% CONCEPT DESIGN | N/A | ME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 29.10.21 | ISSUED FOR 100% CONCEPT DESIGN | N/A | JM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TITLE | NAME | DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRAWN | K. GORDON | 29.10.21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRG CHECK | K. RANDELL | 29.10.21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESIGN | K. LIEU | 29.10.21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESIGN CHECK | N. BURNETT | 29.10.21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESIGN MNGR | N. BURNETT | 29.10.21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROJECT MNGR | J. MCGUINNESS | 29.10.21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



TYPICAL SECTION IN FILL (CH.1460)
(MCE0) - TOWNSON ROAD
SCALE 1:100



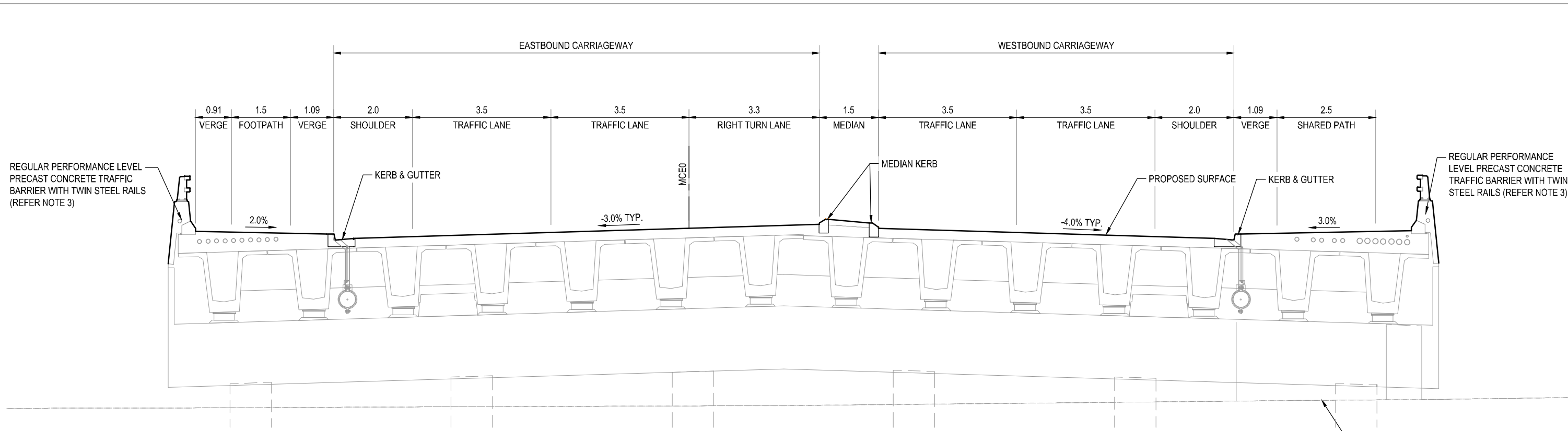
TYPICAL SECTION EASTERN CREEK BRIDGE (CH. 2200)
(MCE0) - TOWNSON ROAD
SCALE 1:100

- NOTES**
- PROJECT BOUNDARY SUBJECT TO AGREEMENT AND CONFIRMATION.
 - STREET LIGHTS ARE SHOWN INDICATIVE ONLY.
 - FOR BRIDGE BARRIER AND DETAILS REFER TO BRIDGE DRAWINGS.

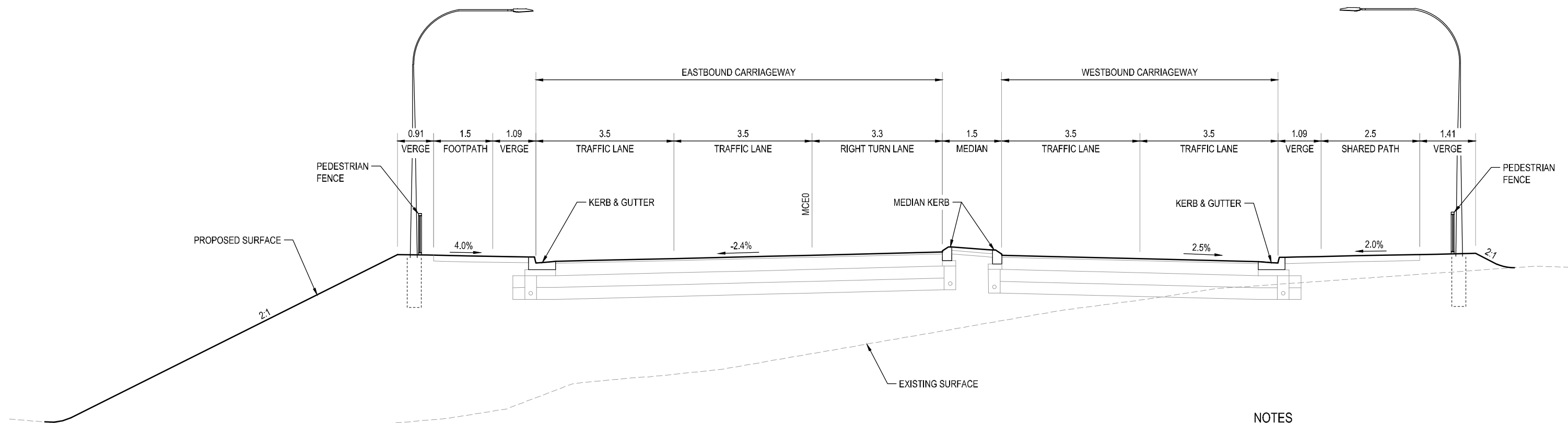
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| REV | DATE | AMENDMENT / REVISION DESCRIPTION | WVR No. | APPROVAL | SCALES ON A3 SIZE DRAWING | DRAWINGS / DESIGN PREPARED BY | |   | |
| 0 | 25.02.21 | ISSUED FOR 50% CONCEPT DESIGN | N/A | ME | SCALE 1:100  | Level 6, 20 Smith Street Parramatta NSW 2150 Australia PO Box 788 Parramatta NSW 2124 T 61 2 8898 8800 F 61 2 8898 8810 E sydemail@ghd.com W www.ghd.com | | DRAWN K. GORDON 29.10.21 DRG CHECK K. RANDELL 29.10.21 DESIGN K. LIEU 29.10.21 DESIGN CHECK N. BURNETT 29.10.21 DESIGN MNGR N. BURNETT 29.10.21 PROJECT MNGR J. MCGUINNESS 29.10.21 | |
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TYPICAL SECTION EASTERN CREEK BRIDGE WITH RIGHT TURN BAY (CH. 2400)
(MCE0) - TOWNSON ROAD
SCALE 1:100



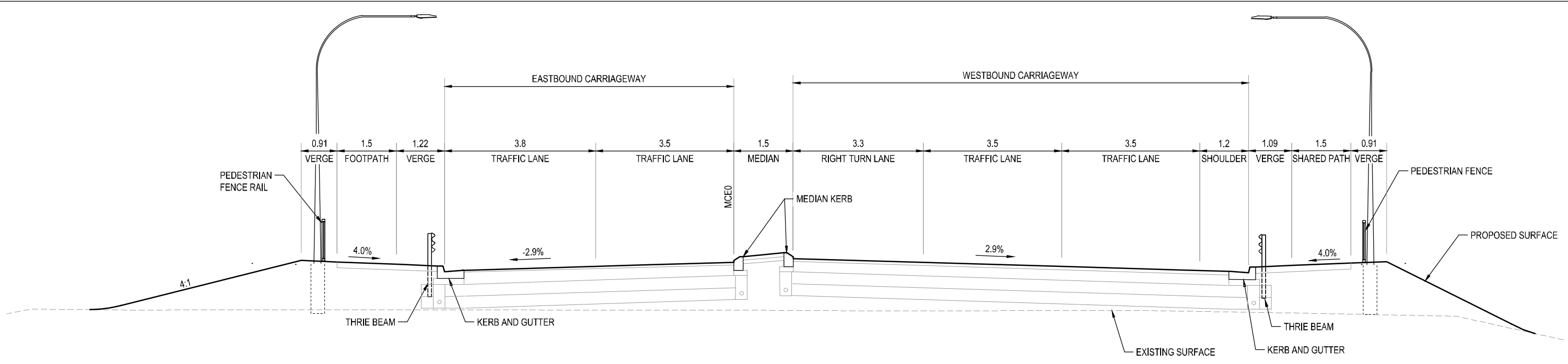
TYPICAL SECTION IN FILL RIGHT TURN BAY (CH. 2500)
(MCE0) - TOWNSON ROAD
SCALE 1:100

- NOTES**
- PROJECT BOUNDARY SUBJECT TO AGREEMENT AND CONFIRMATION.
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 - FOR BRIDGE BARRIER AND DETAILS REFER TO BRIDGE DRAWINGS.

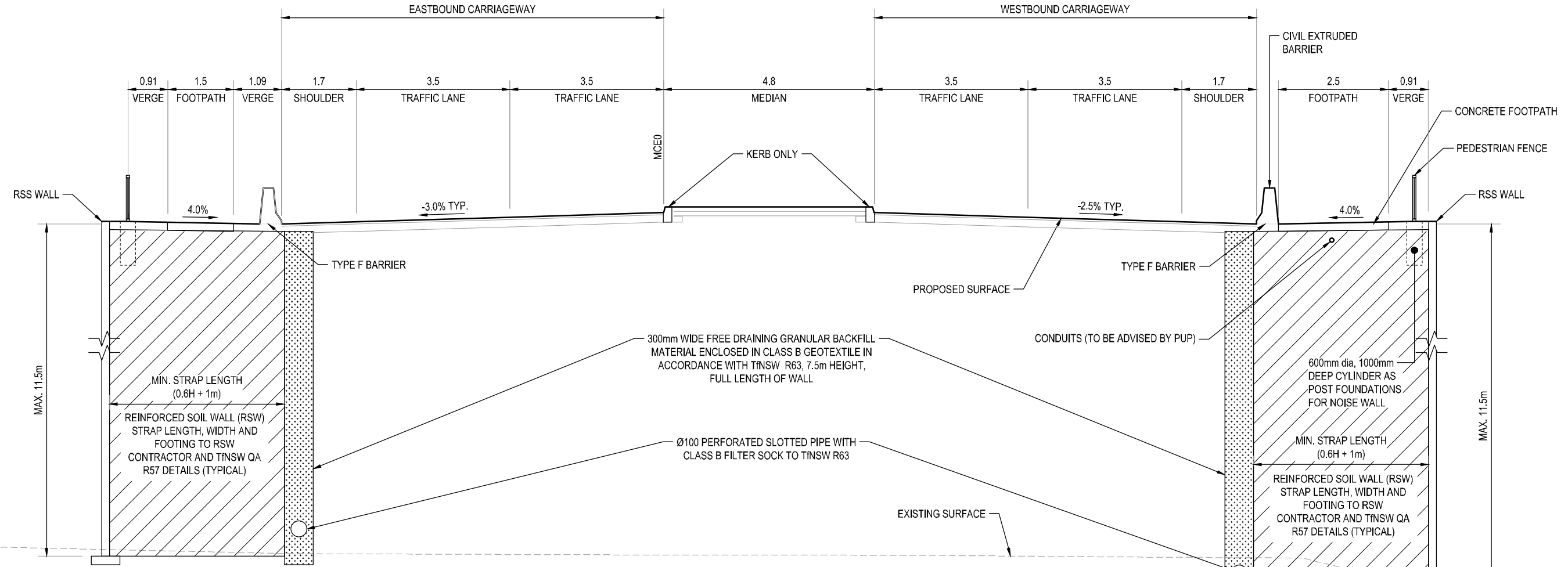
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| REV | DATE | AMENDMENT / REVISION DESCRIPTION | WVR No. | APPROVAL | SCALES ON A3 SIZE DRAWING | DRAWINGS / DESIGN PREPARED BY | NSW GOVERNMENT Transport for NSW |
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| | | | | DRG CHECK | | SHEET No. RD-5052 | |
| | | | | DESIGN | | ISSUE No. 1 | |
| | | | | DESIGN CHECK | | © Transport for NSW | |
| | | | | DESIGN MNGR | | | |
| | | | | PROJECT MNGR | | | |



TYPICAL SECTION IN FILL RIGHT TURN BAY (CH .2600)
(MCE0) - TOWNSON ROAD
SCALE 1:100



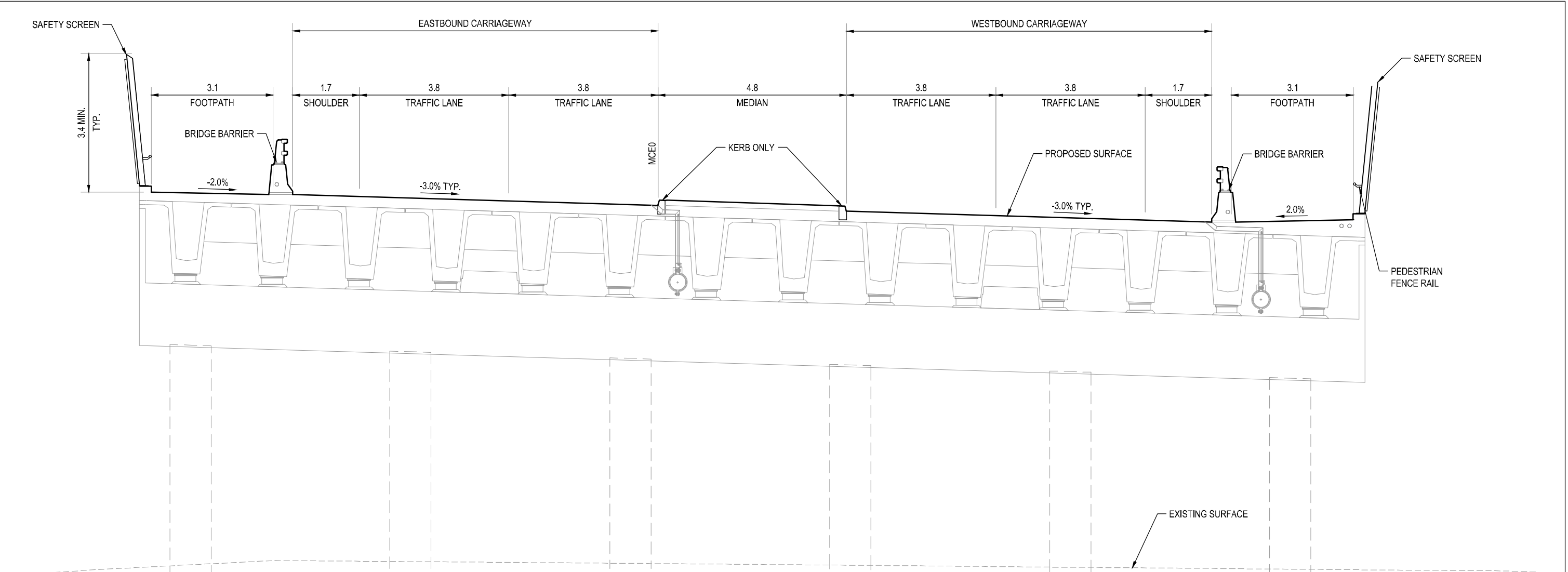
TYPICAL SECTION WESTERN APPROACH TO RAIL OVERBRIDGE (CH .2900)
(MCE0) - TOWNSON ROAD
SCALE 1:100

- NOTES**
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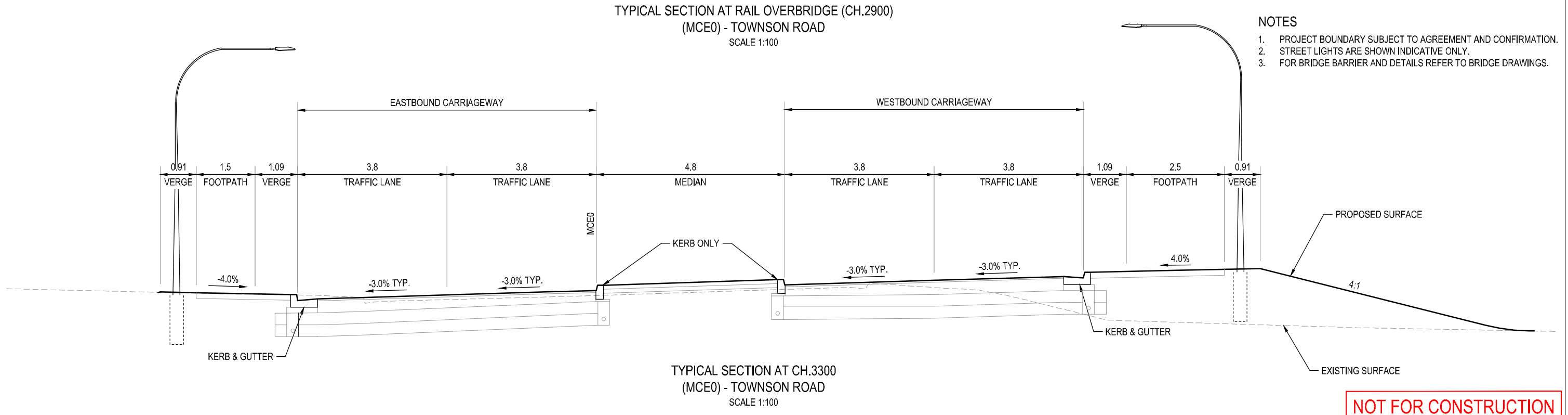
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| | | | | | | | DESIGN K. LIEU 29.10.21 |
| | | | | | | | DESIGN CHECK N. BURNETT 29.10.21 |
| | | | | | | | DESIGN MNGR N. BURNETT 29.10.21 |
| | | | | | | | PROJECT MNGR J. MCGUINNESS 29.10.21 |
| CO-ORDINATE SYSTEM MGA ZONE 56 (GDA94) | | HEIGHT DATUM AHD | | GHD Pty Ltd | | | |
| STAGE 2 JERSEY ROAD TO BURDEKIN ROAD SCHOFIELDS ROAD ALIGNMENT & DETAIL (RD) TYPICAL CROSS SECTIONS | | | | | | SHEET 3 OF 4 | |
| RMS REGISTRATION No. DS2018/001093 | | | | | | PART 1 | |
| ISSUE STATUS 100% CONCEPT DESIGN | | | | | | EDMS No. SF2018/0243946 | |
| | | | | | | SHEET No. RD-5053 | |
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| 1 | 29.10.21 | ISSUED FOR 100% CONCEPT DESIGN | N/A | JM | AT A3 | GHD | DRG CHECK K. RANDELL 29.10.21 |
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| | | | | | | | PROJECT MNGR J. MCGUINNESS 29.10.21 |
| CO-ORDINATE SYSTEM MGA ZONE 56 (GDA94) | | HEIGHT DATUM AHD | | GHD Pty Ltd | | PREPARED FOR WESTERN SYDNEY PROGRAM OFFICE | |
| | | | | | | RMS REGISTRATION No. DS2018/001093 | |
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E BDGE (BRIDGE STRUCTURES)

- Abutment Bottom (AB)
- Abutment Bottom Point (PABB)
- Abutment Top (AT)
- Abutment Top Point (PABT)
- Cap-Pile (PBCP)
- Deck (BR)
- Expansion Joint (XJ)
- Expansion Plate (XP)
- Headstock (HS)
- Pier-Column (BC)
- Pier-Column Point (PBPI)
- Underneath Clearance (UC)
- Wing Wall (WW)

E BDYS (BOUNDARIES)

- Digital Cadastre (Accuracy 1.0m?) (BM)
- Digitising Extent (photo) (DE)
- DP Overlay (Accuracy 0.1m) (BO)
- Easement (BE)
- Field Completion (photo) (NF)
- Field Survey Extent (photo) (FS)
- Local Government (BL)
- Parish (BP)
- Title (Accuracy 0.02m) (BT)

E BUIL (BUILDINGS & STRUCTURES)

- Awning (AW)
- Awning - Point (PAWN)
- Bottom of Wall (BW)
- Building Eaves (BV)
- Building Walls (BU)
- Cemetery (OC)
- Concrete Slab at Ground Level (VE)
- Corner of Building at NS (PCBU)
- Doorway (DO)
- Floor Level (PFLR)
- General Built-up Area (OB)
- Loading Bay-Dock (LB)
- Miscellaneous Structure (OM)
- Retaining Wall (RW)
- Ruin (OR)
- Silo or Tank (OS)
- Sporting Arena (OO)
- Stairs - Outside (SO)
- Swimming Pool (OT)
- Top of Wall (TW)

E COMM (COMMUNICATIONS))

- Above Ground Joining Post (PTJP)
- ITS Cable (IT)
- Optical Fibre - Above Ground (OA)
- Optical Fibre - Digitised (OZ)
- Optical Fibre - Underground (OU)
- Optical Fibre Cable Marker (POFM)
- Optical Fibre Conduit (OD)
- Optical Fibre Junction Box (POFJ)
- Optical Fibre Pit (POFP)
- Std 1.1m by 1.1m Main Pit (PTMP)
- Telephone - House Connection (TY)
- Telephone Box (TX)
- Telephone Box Point (PTBX)
- Telephone Cable Marker (PTCM)
- Telephone Conduit (TD)
- Telephone Distribution Pillar (PTDP)
- Telephone Line (TN)
- Telephone Line - Digitised (TZ)
- Telephone Pole (PTPL)
- Telephone Single Concrete Pit (PTSP)
- Telephone Sump (TS)
- Telephone Transmitter - Mobile (PMPT)
- Telephone Triple Concrete Pit (PT3P)
- Telephone Twin Concrete Pit (PTTP)

E CONT (PHOTOGRAMMETRY)

- Contour - Aux {Decimetre} (YQ)
- Contour - Aux {Whole Metre} (Y)
- Contour - Index (Z)
- Contour - Index Depression (ZQ)
- Contour - Inter Depression (XQ)
- Contour - Standard-Inter (X)

E CULT (CULTURAL FEATURES)

- Bin - Large (BI)
- Bollard (AC)
- Bus Shelter (BH)
- Bus Stop (PBUS)
- Fence (FE)
- Fence Line (FL)
- Fence Manproof (FM)
- Fence Other (FC)
- Fence Post-Guide Post (POST)
- Fireplace (PFPL)
- Flag pole (PFLG)
- Gate (AG)
- Headstone (PHST)
- Historical Point of Interest (PHIS)

E CULT (CULTURAL) Continued

- Large Sign (SI)
- Mailbox (PMBX)
- Parking Meter (PKME)
- Picnic Table (TA)
- Pump (PWEP)
- Rubbish Bin (PBIN)
- Safety Fence (SF)
- Seat (SE)
- Sign Post (PSIN)
- Sign Post - Double Sided (PSDS)
- Sign with Outreach (SX)
- Windmill (OW)
- Windmill - Point (PWML)

E DRAIN (STORMWATER)

- Batter Drain GI Flume (DF)
- Box Culvert - 150 High (B0)
- Box Culvert - 225 High (B1)
- Box Culvert - 300 High (B2)
- Box Culvert - 375 High (B3)
- Box Culvert - 450 High (B4)
- Box Culvert - 600 High (B6)
- Box Culvert - 750 High (B7)
- Box Culvert - 900 High (B9)
- Box Culvert - 1050 High (D0)
- Box Culvert - 1200 High (D1)
- Box Culvert - 1500 High (D2)
- Box Culvert - 1800 High (D3)
- Box Culvert - 2100 High (D4)
- Box Culvert - 2400 High (D5)
- Box Culvert - 2700 High (D6)
- Box Culvert - 3000 High (D7)
- Box Culvert - 3300 High (D8)
- Box Culvert - 3600 High (D9)
- Box Culvert - Unspecified Height (UB)
- Dish Drain (DD)
- Drainage - Digitised (DZ)
- Drainage Box (DX)
- Drainage Junction Manhole (PDJM)
- Drainage Pit (DP)
- Drain-Table Drain (DT)
- End of Wingwall (PEWW)
- Flood Height (PFHT)
- Gully Pit (IP)
- Gully Pit Point (PGUL)
- Headwall Bottom (HB)
- Headwall Bottom Point (PHWB)
- Headwall Top (HW)

E DRAIN (STORMWATER) Continued

- Headwall Top Point (PHWT)
- Inlet to Sump (PILT)
- Invert - 225 Dia (PI01)
- Invert - 300 Dia (PI02)
- Invert - 375 Dia (PI03)
- Invert - 450 Dia (PI04)
- Invert - 525 Dia (PI05)
- Invert - 600 Dia (PI06)
- Invert - 750 Dia (PI07)
- Invert - 900 Dia (PI09)
- Invert - 1050 Dia (PI10)
- Invert - 1200 Dia (PI12)
- Invert - 1350 Dia (PI13)
- Invert - 1500 Dia (PI15)
- Invert - 1650 Dia (PI16)
- Invert - 1800 Dia (PI18)
- Invert of Pipe (PINV)
- Invert of Subsoil Drain Outlet (PSDO)
- Kerb Inlet (KI)
- Obvert of Pipe (POBV)
- Pipe - 225 Dia (U1)
- Pipe - 300 Dia (U2)
- Pipe - 375 Dia (U3)
- Pipe - 450 Dia (U4)
- Pipe - 525 Dia (U5)
- Pipe - 600 Dia (U6)
- Pipe - 750 Dia (U7)
- Pipe - 900 Dia (U9)
- Pipe - 1050 Dia (V1)
- Pipe - 1200 Dia (V2)
- Pipe - 1350 Dia (V3)
- Pipe - 1500 Dia (V5)
- Pipe - 1650 Dia (V6)
- Pipe - 1800 Dia (V8)
- Pipe - Unspecified Diameter (UU)
- Subsoil Drain Flush Point (PSFP)
- Top of Concrete Junction Box (PJBX)
- Water Course (WC)
- Water Level Point (PWLP)

E ELEC (ELECTRICITY SERVICES)

- Cable Junction Box (PEJB)
- Cable Manhole (PEMH)
- Cable Marker (PECM)
- Conduit (ED)
- Distribution Fuse Point (PEFP)
- Garden Light (PLGN)
- High Tension Pylon (PHTT)
- House Connection (EY)
- Light with Outreach (LI)
- Line - Digitised (EZ)
- Line - Major Transmission (UE)
- Line - Minor Transmission (UL)
- Line - Underground (EU)
- Main Sump (EN)
- Pole - Light (PLPL)
- Pole - Power (PPPL)
- Pole - Power and Light (PPLP)
- Pole - Power and Transformer (PPTR)
- Pylon Leg (EL)
- Stay Anchor Pole (PSAP)
- Stay Pole (PSPL)
- Suspended Light (PLSU)
- Transformer Cabinet (EC)
- Transformer Cabinet Centre (PETC)
- Underground Power Service Pillar (PEUP)
- ELEC Overhead

E FOTO (PHOTOGRAMMETRY)

- Horizontal Control Point (PHCP)
- Minor Control Point (PMCP)
- Photo Centre (PPCN)
- Vertical Control Point (PVCP)

E GAS (GAS SERVICES)

- Ethane Pipeline (HA)
- House Connection (DG)
- Main - Digitised (ZG)
- Main - High Pressure Pipeline (HG)
- Main - Low Pressure (LG)
- Main - Nylon (NG)
- Main - Polyethylene (YG)
- Manhole Cover (PGHL)
- Meter (PGMR)
- Pipeline Marker (PGPM)
- Pipeline Marker - High Pressure (PGHM)
- Regulator Box (PGRB)
- Test Point (PGTP)
- Valve Box (PGAS)
- Vent Pipe (PGVP)

E HERI (HERITAGE, ECOLOGICAL, HAZARDOUS)

- Endangered Community (PHEC)
- Endangered Ecological Community (PHEE)
- Hazardous Site (PHAZ)
- Indigenous Heritage Area (PHIA)
- NonIndigenous Heritage Site (PHNI)

NOT FOR CONSTRUCTION

| <p>DRAWING FILE LOCATION / NAME C:\Users\krandel\Documents\TOWNSON ROAD\Exports\12511195-DC-GE-5011.dwg</p> | <p>DESIGN LOT CODE</p> | <p>DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING</p> | <p>PLOT DATE / TIME 10/27/2021 11:38 AM</p> | <p>PLOT BY krandel</p> | <p>CLIENT BLACKTOWN CITY COUNCIL TOWNSON ROAD TO BURDEKIN ROAD LINK</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------------------|--|---|----------------------------|---|---|----------|-------------------------------|-----|----|---|----------|--------------------------------|-----|----|----------------------------------|---|---|-------|------|------|-------|-----------|----------|-----------|------------|----------|--------|---------|----------|--------------|------------|----------|-------------|------------|----------|--------------|---------------|----------|--|---|-------------------------------------|----------------------------|----------------------|------------|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>AMENDMENT / REVISION DESCRIPTION</th> <th>WVR No.</th> <th>APPROVAL</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>25.02.21</td> <td>ISSUED FOR 50% CONCEPT DESIGN</td> <td>N/A</td> <td>ME</td> </tr> <tr> <td>1</td> <td>29.10.21</td> <td>ISSUED FOR 100% CONCEPT DESIGN</td> <td>N/A</td> <td>JM</td> </tr> </tbody> </table> | REV | DATE | AMENDMENT / REVISION DESCRIPTION | WVR No. | APPROVAL | 0 | 25.02.21 | ISSUED FOR 50% CONCEPT DESIGN | N/A | ME | 1 | 29.10.21 | ISSUED FOR 100% CONCEPT DESIGN | N/A | JM | <p>SCALES ON A3 SIZE DRAWING</p> | <p>DRAWINGS / DESIGN PREPARED BY</p> <p style="text-align: center;"></p> <p>Level 6, 20 Smith Street Parramatta NSW 2150 Australia PO Box 788 Parramatta NSW 2124 T 61 2 8898 8800 F 61 2 8898 8810 E sydmail@ghd.com W www.ghd.com</p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>TITLE</th> <th>NAME</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRAWN</td> <td>K. GORDON</td> <td>29.10.21</td> </tr> <tr> <td>DRG CHECK</td> <td>K. RANDELL</td> <td>29.10.21</td> </tr> <tr> <td>DESIGN</td> <td>K. LIEU</td> <td>29.10.21</td> </tr> <tr> <td>DESIGN CHECK</td> <td>N. BURNETT</td> <td>29.10.21</td> </tr> <tr> <td>DESIGN MNGR</td> <td>N. BURNETT</td> <td>29.10.21</td> </tr> <tr> <td>PROJECT MNGR</td> <td>J. MCGUINNESS</td> <td>29.10.21</td> </tr> </tbody> </table> | TITLE | NAME | DATE | DRAWN | K. GORDON | 29.10.21 | DRG CHECK | K. RANDELL | 29.10.21 | DESIGN | K. LIEU | 29.10.21 | DESIGN CHECK | N. BURNETT | 29.10.21 | DESIGN MNGR | N. BURNETT | 29.10.21 | PROJECT MNGR | J. MCGUINNESS | 29.10.21 | <p style="text-align: center;"> Transport for NSW</p> <p>PREPARED FOR WESTERN SYDNEY PROGRAM OFFICE</p> | <p>STAGE 2 JERSEY ROAD TO BURDEKIN ROAD SCHOFIELDS GENERAL (GE) SURVEY FEATURE LEGEND</p> <p style="text-align: right;">SHEET 1 OF 2</p> <p>RMS REGISTRATION No. DS2018/001093</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>ISSUE STATUS 100% CONCEPT DESIGN</td> <td>EDMS No. SF2018/0243946</td> <td>SHEET No. GE-5011</td> <td>ISSUE 1</td> </tr> </table> <p style="text-align: right;">© Transport for NSW</p> | ISSUE STATUS 100% CONCEPT DESIGN | EDMS No. SF2018/0243946 | SHEET No. GE-5011 | ISSUE 1 |
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E LNMK (LINEMARKING FEATURES)

- Arrow - Left Turn (AL)
- Arrow - Right Turn (AR)
- Arrow - Straight Ahead (AS)
- Arrow - Straight and Left (AE)
- Arrow - Straight and Right (AI)
- Barrier and Separation (BS)
- Chevron Marking Left (CV)
- Chevron Marking Right (CY)
- Clearway (6x6) (CW)
- Continuity (1x3) (CC)
- Double Barrier (DB)
- Dragons Teeth Left (DA)
- Dragons Teeth Right (DC)
- Giveway-Turn (CG)
- Lane (3x9) (LL)
- Pedestrian Crossing (Signals) (CX)
- Pedestrian Crossing (Zebra) (CZ)
- Pedestrian Crossing Approach (Zig Zag) (CA)
- Separation (6x6) (CN)
- Separation and Barrier (SB)
- Speed Zone - 40kmh (S4)
- Speed Zone - 50kmh (S5)
- Speed Zone - 60kmh (S6)
- Speed Zone - 70kmh (S7)
- Speed Zone - 80kmh (S8)
- Speed Zone - 90kmh (S9)
- Speed Zone - 100kmh (S1)
- Speed Zone - 110kmh (S2)
- Traffic Marker (Silent Cop) (PTMX)
- Unbroken (CD)

E MARK (SURVEY MARKS)

- AP Alignment Pin (PAPN)
- BM Bench Mark (PBMK)
- BL Bolt (PBLT)
- BP Boundary Peg (PBPG)
- Broad Arrow (PSSB)
- DH Drill Hole and Wing (PDHL)
- DP Dumpy Peg (PDPY)
- GI Nail (PGIN)
- GI Pipe (PGPI)
- PI G I Pipe (PGPI)
- SM Miscellaneous Survey Mark (PMSM)
- NA Nail (PNAL)
- PM Permanent Mark (PPMK)
- RM RM Concrete Block (PRMB)
- CM RTA Control Mark (PCMK)
- SK Spike (PSKI)
- Star Picket (PSTA)
- SS State Survey Mark (PSSM)
- TS Trig Station-Concrete Pillar (PTSS)
- WB Water Board PM (PDSM)

E MISC (MISCELLANEOUS FEATURES)

- BH 1 Bore Hole (PBHX)
- FLASH Camera - Flash Unit (PCFU)
- Check String (QQ)
- GAT Gatic Cover Lid (PGAT)
- Golf Course (OG)
- HO High Pressure Oil Pipeline (HO)
- HPO High Pressure Oil Pipeline Mark (POHM)
- Hotspot (HP)
- Join Line (Boundary) (JL)
- BR MX Break Strings (PBRK)
- Park or Open Space (OP)
- PP Petrol Pump (PPET)
- PHOLE Pot Hole - Null Level (PHNL)
- PHOLE 1,234 Pot Hole - With RL (PHRL)
- CAM Red Light-Speed-Traffic Camera (PCAM)
- Seismic Line (SL)
- TS Seismic Test Shot (PSTS)
- Service-Junction Box (US)
- Stock Grid (SG)
- Stockpile (OH)
- TP 1 Test Pit (PGEO)
- UT Underground Tank (UT)
- Underground Tank Point (PUTP)
- ?P Unidentified Pole (PPOL)
- ? Unidentified Service (PUSR)

E RAIL (RAIL FEATURES)

- RCB Railway Control Box (PRBX)
- Railway Formation Edge (RF)
- Railway Ramp (RR)
- Railway Signal (PRSG)
- Railway Signal Trough (RS)
- Railway Signal Trough - Point (PRCC)
- Railway Stanchion (PSTR)
- Railway Track Centre (RT)
- Railway Track Monument (PRTM)
- Top of Rail (RA)
- Top of Rail - Point (PRAL)
- Top of Railway Platform (RP)

E ROAD (ROAD FEATURES)

- Back of Kerb (BK)
- Centre of Road (RC)
- Driveway (DW)
- Edge of Formation (EJ)
- Edge of Median (EM)
- Edge of Pavement (EP)
- Edge of Track (EK)
- Edge of Unsealed Road (UR)
- Footpath (FP)
- Gutter Flow Line (FI)
- Lip Line (LP)
- Offset Crown-Crown (OF)
- Pram Ramp (KR)
- Safety Barrier Guard Fence (FG)
- Safety Barrier Type F (KJ)
- Safety Barrier Wire Rope (FW)
- Top of Kerb (KB)
- Top of Median (TM)
- Vehicular Track Edge (VT)

E SEWR (SEWER FEATURES)

- SH House Connection (SY)
- SLH Lamphole (PSLH)
- S Main (SM)
- SZ Main - Digitised (SZ)
- Manhole Cover (PSMH)
- Septic Tank (ST)
- SP Sewage Pond (SP)
- SVP Vent Pipe (PSVP)

E STNS (SURVEY CONTROL 4D STRINGS)
* Survey control points have 4 dimensions (X,Y,Z,Code,Name)

- STND 1,234 AP-DH-GI-Pipe or RMCB (PSSD)
- STNE 1,345 Bolt-Dumpy-Nail-Spike (PSSE)
- STNA 1,345 Default MX Survey Mark (PSSA)
- STNC 1,456 Peg (PSSC)
- STNG 1,567 PM SSM or Control Mark (PSSG)
- STNF 1,678 Trig Station (PSSF)

E TCS (TRAFFIC SIGNALS)

- Signal Detector (SD)
- Traffic Control Signal (PSGL)
- Traffic Light with Outreach (TO)
- Traffic Signal Controller (PSC)
- Traffic Signal Detector (PSDR)
- Traffic Signal Junction Box (PSJX)

E TEXT

- Text 1 Orange (*1)
- Text 2 Black (*2)
- Text 3 Red (*3)
- Text 4 Blue (*4)
- Text 5 Green (*5)
- Text 7 Cyan (*7)

E TOPO (TOPOGRAPHIC)

- Bottom of Bank (BB)
- Breakline or Ridge (NB)
- Cliff-Escarpment (VC)
- Cultivation Pasture (JC)
- Edge of Garden (EG)
- Ford (FO)
- Grassland (JG)
- Lake (WL)
- Landslide-Eroded Bank (VL)
- Natural Surface (NS)
- Natural Surface Point (PNSS)
- Orchard (JO)
- Reservoir (RE)
- River or Creek Edge (WR)
- Rock Area (JR)
- Spot Height (PSHT)
- Swamp Outline (JW)
- Swamp-Marsh (PSWA)
- Timber or Scrub (Dense) (JD)
- Timber or Scrub (Medium) (JM)
- Timber or Scrub (Scattered) (JS)
- Top of Bank (TC)
- Top of Cutting (CU)

E TOPO (TOPOGRAPHIC Continued)

- Tree Foliage (TR)
- Tree Foliage - 1m Spread (PF01)
- Tree Foliage - 2m Spread (PF02)
- Tree Foliage - 3m Spread (PF03)
- Tree Foliage - 4m Spread (PF04)
- Tree Foliage - 5m Spread (PF05)
- Tree Foliage - 6m Spread (PF06)
- Tree Foliage - 7m Spread (PF07)
- Tree Foliage - 8m Spread (PF08)
- Tree Foliage - 9m Spread (PF09)
- Tree Foliage - 10m Spread (PF10)
- Tree Foliage - 12m Spread (PF12)
- Tree Foliage - 15m Spread (PF15)
- Tree Trunk - 100mm Dia (PT01)
- Tree Trunk - 200mm Dia (PT02)
- Tree Trunk - 300mm Dia (PT03)
- Tree Trunk - 400mm Dia (PT04)
- Tree Trunk - 500mm Dia (PT05)
- Tree Trunk - 600mm Dia (PT06)
- Tree Trunk - 700mm Dia (PT07)
- Tree Trunk - 800mm Dia (PT08)
- Tree Trunk - 900mm Dia (PT09)
- Tree Trunk - 1000mm Dia (PT10)
- Tree Trunk - 1200mm Dia (PT12)
- Tree Trunk - 1500mm Dia (PT15)
- Tree Trunk - Unspecified Diameter (PTRE)
- Water Edge-Level (WE)

E WATR (WATER SERVICE FEATURES)

- Air Valve (PWAV)
- Air Valve - Recycled (PRAV)
- Earth Terminal (PWET)
- Earth Terminal - Recycled (PRET)
- Fire Hydrant (PWFB)
- House Connection (WY)
- Hydrant (PWHY)
- Hydrant - Recycled (PRHY)
- Main (WM)
- Main - Digitised (WZ)
- Main - Recycled (RM)
- Main Marker (PWMM)
- Main Marker - Recycled (PRMM)
- Meter (PWMR)
- Meter - Recycled (PRMR)
- Overhead Pipeline (UO)
- Stop Valve (PWSV)
- Stop Valve - Recycled (PRSV)
- Tap (PWTP)
- Tap - Recycled (PRTPT)
- Unidentified Pipeline (UP)

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THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED

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|--|----------|----------------------------------|---|-------------|---|---|--------|---|-----------|----------------------|------------|
| DRAWING FILE LOCATION / NAME C:\Users\krandell\Documents\TOWNSON ROAD\Exports\12511195-DC-GE-5012.dwg | | DESIGN LOT CODE | DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING | | PLOT DATE / TIME 10/27/2021 11:38 AM | PLOT BY krandell | CLIENT | BLACKTOWN CITY COUNCIL TOWNSON ROAD TO BURDEKIN ROAD LINK STAGE 2 JERSEY ROAD TO BURDEKIN ROAD SCHOFIELDS GENERAL (GE) SURVEY FEATURE LEGEND SHEET 2 OF 2 | A3 | | |
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