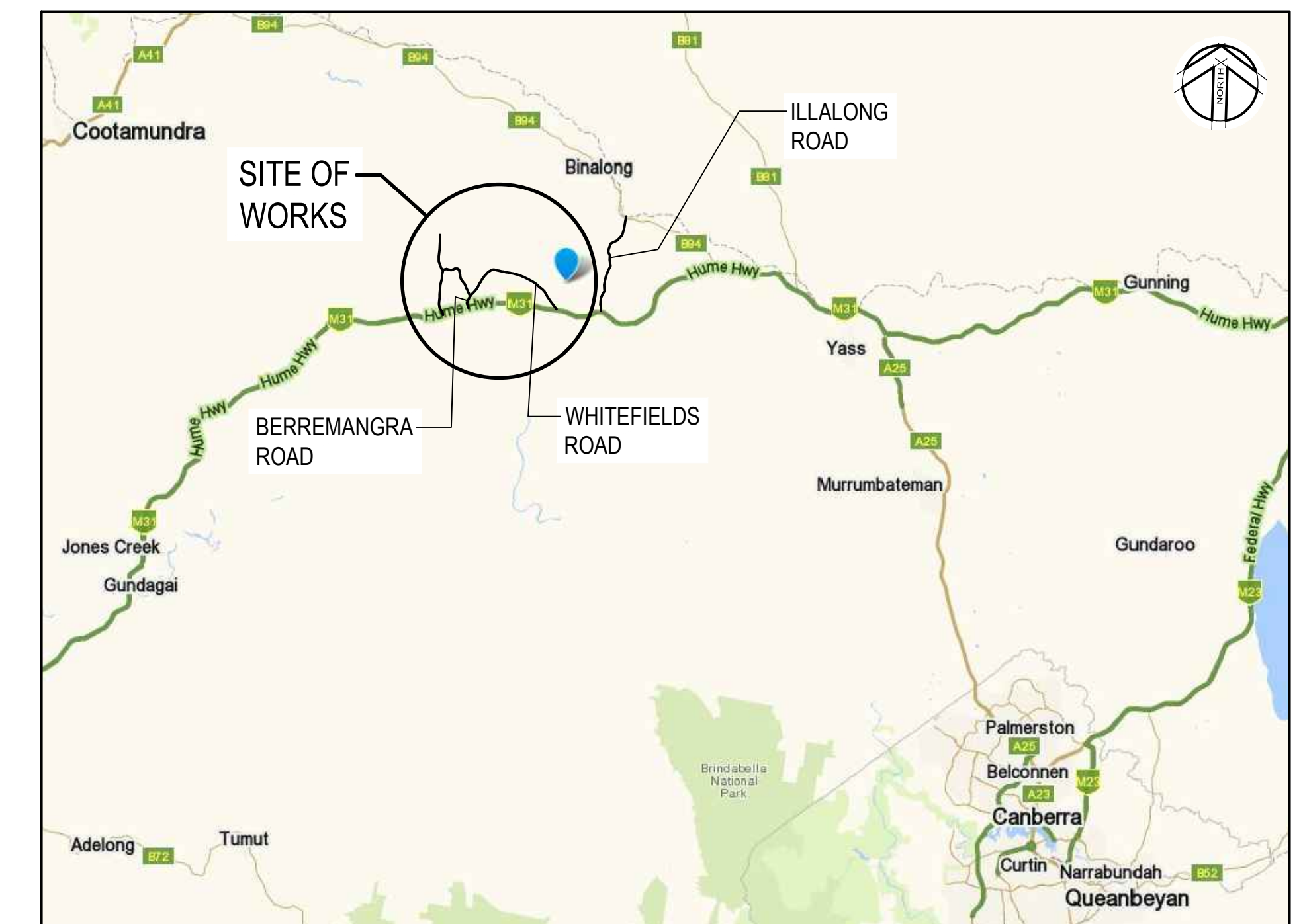


GOLDWIND AUSTRALIA

# YASS VALLEY WIND FARM ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS

## COVER SHEET AND LOCALITY PLAN DETAIL DESIGN



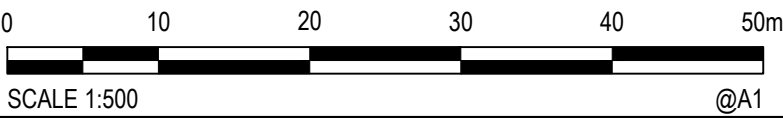
**LOCALITY PLAN**

NTS

DATE PLOTTED: 6 November 2018 1:38 PM BY: PHILLIP JEWELL

| SCHEDULE OF DRAWINGS |                                                        |      |
|----------------------|--------------------------------------------------------|------|
| DRAWING No.          | DESCRIPTION                                            | REV. |
| 50517019 - C00       | COVER SHEET AND LOCALITY PLAN DETAIL DESIGN            | 4    |
| 50517019 - C01       | DRAWING LIST                                           | 5    |
| 50517019 - C02       | NOTES AND LEGEND                                       | 4    |
| 50517019 - C03       | SITE PLAN                                              | 4    |
| 50517019 - C04       | TYPICAL SECTIONS AND PAVEMENT DETAILS                  | 4    |
| 50517019 - C10       | GENERAL ARRANGEMENT - SHEET 1 OF 7                     | 4    |
| 50517019 - C11       | GENERAL ARRANGEMENT - SHEET 2 OF 7                     | 4    |
| 50517019 - C12       | GENERAL ARRANGEMENT - SHEET 3 OF 7                     | 4    |
| 50517019 - C13       | GENERAL ARRANGEMENT - SHEET 4 OF 7                     | 4    |
| 50517019 - C14       | GENERAL ARRANGEMENT - SHEET 5 OF 7                     | 4    |
| 50517019 - C15       | GENERAL ARRANGEMENT - SHEET 6 OF 7                     | 4    |
| 50517019 - C16       | GENERAL ARRANGEMENT - SHEET 7 OF 7                     | 4    |
| 50517019 - C20       | PLAN AND LONG SECTION (MC10) - SHEET 1 OF 4            | 4    |
| 50517019 - C21       | PLAN AND LONG SECTION (MC10) - SHEET 2 OF 4            | 4    |
| 50517019 - C22       | PLAN AND LONG SECTION (MC10) - SHEET 3 OF 4            | 4    |
| 50517019 - C23       | PLAN AND LONG SECTION (MC10) - SHEET 4 OF 4            | 4    |
| 50517019 - C24       | INTERSECTION PLAN AND LONG SECTION (MC20) SHEET 1 OF 2 | 2    |
| 50517019 - C25       | INTERSECTION PLAN AND LONG SECTION (MC30) SHEET 2 OF 2 | 2    |
| 50517019 - C30       | CROSS SECTIONS WHITEFIELDS RD (MC10) - SHEET 1 OF 10   | 4    |
| 50517019 - C31       | CROSS SECTIONS WHITEFIELDS RD (MC10) - SHEET 2 OF 10   | 4    |
| 50517019 - C32       | CROSS SECTIONS WHITEFIELDS RD (MC10) - SHEET 3 OF 10   | 4    |
| 50517019 - C33       | CROSS SECTIONS WHITEFIELDS RD (MC10) - SHEET 4 OF 10   | 4    |

| SCHEDULE OF DRAWINGS |                                                        |      |
|----------------------|--------------------------------------------------------|------|
| DRAWING No.          | DESCRIPTION                                            | REV. |
| 50517019 - C34       | CROSS SECTIONS WHITEFIELDS RD (MC10) - SHEET 5 OF 10   | 4    |
| 50517019 - C35       | CROSS SECTIONS WHITEFIELDS RD (MC10) - SHEET 6 OF 10   | 4    |
| 50517019 - C36       | CROSS SECTIONS WHITEFIELDS RD (MC10) - SHEET 7 OF 10   | 3    |
| 50517019 - C37       | CROSS SECTIONS WHITEFIELDS RD (MC10) - SHEET 8 OF 10   | 3    |
| 50517019 - C38       | CROSS SECTIONS WHITEFIELDS RD (MC10) - SHEET 9 OF 10   | 2    |
| 50517019 - C39       | CROSS SECTIONS WHITEFIELDS RD (MC10) - SHEET 10 OF 10  | 2    |
| 50517019 - C45       | PAVEMENT PLAN AND TRAFFIC CONTROL DEVICES SHEET 1 OF 4 | 1    |
| 50517019 - C46       | PAVEMENT PLAN AND TRAFFIC CONTROL DEVICES SHEET 1 OF 4 | 1    |
| 50517019 - C47       | PAVEMENT PLAN AND TRAFFIC CONTROL DEVICES SHEET 1 OF 4 | 1    |
| 50517019 - C48       | PAVEMENT PLAN AND TRAFFIC CONTROL DEVICES SHEET 1 OF 4 | 1    |
| 50517019 - C50       | SETOUT TABLES                                          | 4    |



XREF's: CAD File: N:\Projects\50517019 YASS VALLEY WIND FARM\Drawings\Build\50517019-C01-DL.dwg

|      |            |                                           |        |        |        |
|------|------------|-------------------------------------------|--------|--------|--------|
|      |            |                                           |        |        |        |
|      |            |                                           |        |        |        |
|      |            |                                           |        |        |        |
| 5    | 6/11/2018  | ROAD RE-ALIGNMENT                         | P.D.J. | RIC    | S.A.S. |
| 4    | 25/10/2018 | ROAD RE-ALIGNMENT                         | P.D.J. | RIC    | S.A.S. |
| 3    | 17/05/2017 | DRAWING LIST AMENDED CROSS SECTION 8 OF 8 | G.J.   | RIC    | J.H.   |
| 2    | 17/03/2017 | FINAL SUBMISSION                          | G.J.   | RIC    | J.H.   |
| 1    | 23/12/2016 | 90% DOCUMENTATION                         | G.J.   | RIC    | J.H.   |
| Rev. | Date       | Description                               | Des.   | Verif. | Appd.  |



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|                  |                    |                                                                                          |
|------------------|--------------------|------------------------------------------------------------------------------------------|
| Drawn<br>G.J.    | Date<br>23/12/2016 | Client<br>GOLDWIND AUSTRALIA                                                             |
| Checked<br>J.H.  | Date<br>23/12/2016 | Project<br>YASS VALLEY WIND FARM                                                         |
| Designed<br>RIC  | Date<br>23/12/2016 | ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS |
| Verified<br>J.H. | Date<br>23/12/2016 | Title<br>DRAWING LIST                                                                    |
| Approved         |                    |                                                                                          |
| M.P.             | 23/12/2016         |                                                                                          |
|                  |                    | Status<br>FOR APPROVAL                                                                   |
|                  |                    | NOT TO BE USED FOR CONSTRUCTION PURPOSES                                                 |
|                  |                    | DATUM                                                                                    |
|                  |                    | Scale<br>AS SHOWN                                                                        |
|                  |                    | Size<br>A1                                                                               |
|                  |                    | Drawing Number<br>50517019 - C01                                                         |
|                  |                    | Revision<br>5                                                                            |

## LEGEND

| EXISTING | EXISTING TO BE REMOVED | NEW | DESCRIPTION                                                     |
|----------|------------------------|-----|-----------------------------------------------------------------|
|          |                        |     | STORMWATER / HEADWALLS                                          |
|          |                        |     | SEWER                                                           |
|          |                        |     | TELECOMMUNICATIONS                                              |
|          |                        |     | WATER                                                           |
|          |                        |     | ELECTRICITY OVERHEAD                                            |
|          |                        |     | FENCES                                                          |
|          |                        |     | TREE - REMOVAL TO BE BY OTHERS UNDER THE NGH ENVIRONMENTAL PLAN |
|          |                        |     | DEAD TREE                                                       |
|          |                        |     | STUMP                                                           |
|          |                        |     | EDGE OF GROUP OF TREES / BUSHES                                 |
|          | HBT                    |     | HOLLOW BEARING TREE                                             |
|          | M                      |     | MATURE TREE                                                     |
|          | HBT                    |     | DEAD HOLLOW BEARING TREE                                        |
|          | HBTS                   |     | HOLLOW BEARING TREE STUMP                                       |
|          |                        |     | ACCESS ROAD PAVEMENT                                            |
|          |                        |     | CATTLE GRID RESTORATION                                         |
|          |                        |     | VERGE RESTORATION                                               |

## TRAFFIC AND PEDESTRIAN MANAGEMENT

1. THE CONTRACTOR SHALL PROVIDE SAFE AND UNRESTRICTED ACCESS THROUGHOUT THE CONSTRUCTION PERIOD FOR PEDESTRIANS, CYCLISTS AND VEHICLES ON HUME HIGHWAY.
2. CLOSURE OF WHITEFIELDS RD IS ALLOWED DURING CONSTRUCTION PROCEEDINGS WITH ACCESS TO LANDHOLDERS' ACCESS POINT BEING FACILITATED.
3. THE CONTRACTOR SHALL ENSURE TRAFFIC AND PEDESTRIANS ARE PROTECTED FROM CONSTRUCTION VEHICLES, DUST, WATER AND OTHER NUISANCE BY MEANS OF TEMPORARY SCREENS, BARRIERS, SIGNAGE AND FENCING.
4. THE CONTRACTOR SHALL PREPARE AND GAIN APPROVAL FOR A TEMPORARY TRAFFIC MANAGEMENT PLAN, FOLLOWING ENDORSEMENT FROM HILLTOPS COUNCIL AND THE RMS.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE SITE OF WORKS AND THE TRAFFIC MANAGEMENT WITHIN THE SITE AND SHALL KEEP ALL REQUIRED RECORDS AND UNDERTAKE ALL NECESSARY MAINTENANCE.
6. ALL TEMPORARY TRAFFIC MANAGEMENT (TTM) DEVICES SHALL BE IN ACCORDANCE WITH AS 1742.3 AND QA G10 TRAFFIC MANAGEMENT (ACT MODIFIED).
7. ALL EMPLOYEES ARE TO WEAR APPROPRIATE SAFETY PPE AS DETAILED IN AS1742.3 AND QA G10 TRAFFIC MANAGEMENT (ACT MODIFIED).
8. ALL EMPLOYEES INVOLVED IN TTM TRAFFIC CONTROL, SETUP, MINOR MODIFICATIONS AND INSPECTIONS SHALL HAVE THE RELEVANT QUALIFICATIONS IN ACCORDANCE WITH CLAUSE 1.5.3 OF QA G10 TRAFFIC MANAGEMENT (ACT MODIFIED)
9. ALL TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE ERECTED AS PER THIS TTM AND IN CLEAR LINE OF SIGHT TO ALL ROAD USERS AND PEDESTRIANS. THEY SHALL NOT BE OBSCURED BY ANY VEGETATION, WORK PLANT OR PARKED VEHICLES. THEY SHALL NOT BE PLACED IN A MANNER THAT THEY WILL BECOME A HAZARD TO VEHICULAR TRAFFIC OR PEDESTRIANS.
10. THE CONTRACTOR SHALL LIAISE WITH ADJACENT LANDOWNERS AND NOT PLACE ANY CONFLICTING TTM. THE CONTRACTOR SHALL NOTIFY THE SUPERINTENDENT OF ANY CONFLICTS.
11. SPOTTERS AND / OR TRAFFIC CONTROL PERSONNEL SHALL BE USED AT ALL TIMES WHEN CONSTRUCTION TRAFFIC CROSSING OCCURS ON WHITEFIELDS ROAD.
12. NO CONSTRUCTION OR CONTRACTOR / SUB-CONTRACTOR VEHICLES ARE PERMITTED TO PARK ON HUME HIGHWAY.
13. CONSTRUCTION ACCESS ONLY SIGNS SHALL BE PLACED ON THE ENTRY / EGRESS POINT.

## STORMWATER STRUCTURE NOTATION

HW DENOTES STANDARD PRECAST CONCRETE HEADWALL

## EROSION & SEDIMENT CONTROL NOTES

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DESIGN, INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH ALL ENVIRONMENTAL ACTS AND COUNCIL REQUIREMENTS.
2. ALL EROSION AND SEDIMENT MEASURES SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT.
3. THE CONTRACTOR SHALL PROVIDE DRAWING AND DETAILS OF PROPOSED EROSION AND SEDIMENT CONTROL MEASURES TO THE SUPERINTENDENT FOR APPROVAL PRIOR TO COMMENCING WORKS.
4. PROVIDE FILTER ROLLS TO ALL NEW SUMPS AND CULVERTS WHEN COMPLETED DURING CONSTRUCTION.

## PAVEMENT NOTES

1. ALL DESIGN SUBGRADE VALUES MUST BE CONFIRMED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION.
2. THE COMPACTION REQUIREMENTS FOR EARTHWORKS, SUBGRADES, AND PAVEMENT LAYERS ARE NOMINATED ON THE PAVEMENT DETAIL DRAWINGS.
3. SUBGRADES ARE INITIALLY TO BE PREPARED TO BOTTOM OF SUB-BASE LEVEL AND CBR TESTS TAKEN AT THIS LEVEL. FOLLOWING RECEIPT OF CBR RESULTS, THE SUPERINTENDENT WILL IDENTIFY IF ADDITIONAL SELECT FILL NEEDS TO BE PLACED IN SUBGRADE.
4. SUBGRADE PREPARATION :
  - a) REMOVE TOPSOIL, LARGE ROOTS AND UPPER LEACHED SOILS FROM ALL AREAS TO BE DISTURBED.
  - b) ANY HOLES CREATED BY REMOVAL OF ROOTS SHALL BE BACKFILLED.
  - c) PROOF ROLL ALL SUBGRADES IN THE PRESENCE OF THE SUPERINTENDENT AND THE CONTRACTOR'S GEOTECHNICAL ENGINEER. THE GEOTECHNICAL ENGINEER WILL ASSESS SUITABILITY OF SUBGRADE. ANY AREAS OF UNSUITABLE SUBGRADE SHALL BE REMEDIATED AS PER THE GEOTECHNICAL ENGINEER INSTRUCTIONS AND SUPERINTENDENT'S APPROVAL.
  - d) PROOF ROLL WEATHERED BEDROCK SUBGRADES.

# TREE AND VEGETATION MANAGEMENT NOTES

1. THE CONTRACTOR SHALL RECOGNISE THE CLIENT'S INTENTION IS TO PRESERVE TREES, EXISTING VEGETATION / BRUSHES AND GROUND COVER IN ALL AREAS OF THE SITE WHERE POSSIBLE.
2. THE CONTRACTOR SHALL REFER TO THE NGH ENVIRONMENTAL LANDSCAPE MANAGEMENT PLANS FOR TREE PROTECTION REQUIREMENTS.

## ORIGINAL SURVEY

1. SURVEY BY DPS (DIVERSE PROJECT SOLUTIONS, YASS NSW).  
JOB REFERENCE : 2604 (25 OCTOBER 2016)  
COMPUTER REFERENCE : 2604\_DT1.dwg
2. VERTICAL DATUM  
DATUM : AHD  
BM : PM54492 RL518.439 (LC)
2. ORIGIN OF LEVELS  
SSM5002 - RL499.220  
SSM30840 - RL498.289

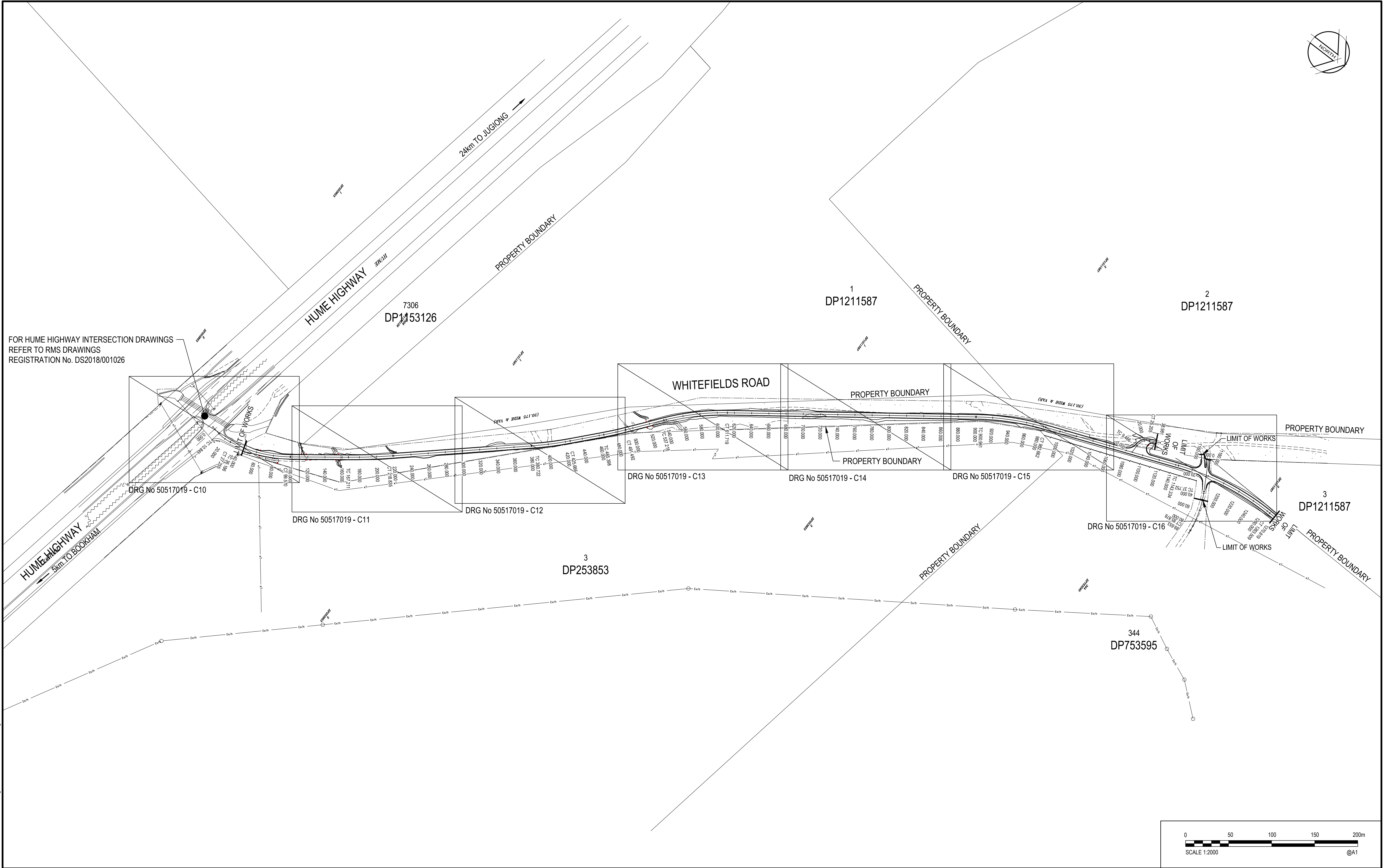
## GENERAL NOTES

1. ALL CONSTRUCTION WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH CURRENT HILLTOPS COUNCIL'S REQUIREMENTS, COUNCIL DESIGN AND CONSTRUCTION SPECIFICATION - AUSSPEC#1, AUSTRALIAN STANDARDS, AUSTRADS.
2. ALL CONSTRUCTION WORK SHALL COMPLY WITH THE HARDEN LOCAL ENVIRONMENTAL PLANS.
3. ANY EXISTING SERVICES ARE SHOWN IN THEIR APPROXIMATE LOCATION ONLY. PRIOR TO ANY DEMOLITION, EXCAVATION, OR CONSTRUCTION ON SITE, THE CONTRACTOR SHALL CONTACT THE RELEVANT AUTHORITIES AND VERIFY THE LOCATION OF ALL UNDERGROUND SERVICES ON THE SITE AND OBTAIN NECESSARY CLEARANCES.
4. SURFACES WHICH LIE OUTSIDE THE GENERAL LIMITS OF LANDSCAPING AND RESTORATION WHICH ARE DISTURBED DURING THE CONSTRUCTION OF THE WORKS SHALL BE RESTORED BY THE CONTRACTOR, AT CONTRACTOR'S EXPENSE, TO AT LEAST THEIR PRE-CONSTRUCTION CONDITION. THESE SURFACES INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, PAVEMENTS, PAVING, GRASSING, LANDSCAPING ETC.
5. ANY WORKS THAT ALTER OR DISTURB GRASSED FLOODWAYS, ROAD RESERVE AREAS, MEDIANS OR OTHER OPEN AREAS MUST BE REINSTATED TO EXISTING CONDITION BY THE PERSON(S) RESPONSIBLE FOR THE DISTURBANCE IN ACCORDANCE WITH HILLTOPS COUNCIL AND RMS REQUIREMENTS.
6. ALL LEVELS SHOWN ARE FINISHED LEVELS PROVIDED IN THIS CONTRACT. THE CONTRACTOR SHALL ALLOW FOR THE THICKNESS OF ALL FINISHED SURFACES AND BULK EARTHWORKS REDUCTIONS AS DESCRIBED ON THE DRAWINGS.
7. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT 2000, WHICH REQUIRES EMPLOYERS TO ENSURE THE HEALTH, SAFETY AND WELFARE OF EMPLOYEES.
8. THE CONTRACTOR SHALL AT ALL TIMES EXERCISE ALL NECESSARY PRECAUTIONS APPROPRIATE TO ENSURE THE SAFETY OF ALL PERSONS ON THE WORK SITE OR IN THE VICINITY OF THE WORK SITE.
9. TO LIMIT THE IMPACT OF THE CONSTRUCTION ON ADJACENT LANDOWNERS, ALL WORKS SHALL BE RESTRICTED TO THE HOURS OF 7am-6pm MONDAY TO FRIDAY AND 8am-1pm SATURDAY. NO WORK SHALL TAKE PLACE ON SUNDAYS OR PUBLIC HOLIDAYS.
10. ALL WORK IS TO BE SET OUT BY A COMPETENT SURVEYOR APPROVED BY THE SUPERINTENDENT.
11. THE CONTRACTOR SHALL NOT DISTURB ANY SURVEY CONTROL MARKS. SHOULD ANY SURVEY CONTROL MARK BE DISTURBED OR OBLITERATED, THE CONTRACTOR SHALL NOTIFY THE SUPERINTENDENT IMMEDIATELY. THE CONTRACTOR SHALL HAVE THE MARKS REPLACED AT THEIR EXPENSE.
12. ALL GREEN WASTE IS TO BE MULCHED, STOCKPILED AND USED (WHERE POSSIBLE) ON SITE. ALL EXCESS MULCH IS TO BE REMOVED OFF SITE.
13. ALL DISTURBED AREAS INCLUDING BATTERS, TABLE DRAINS AND FOOTPATH AREAS ARE TO BE TOP SOILED, FERTILIZED AND SEEDED TO THE SATISFACTION OF THE SUPERINTENDENT. THE TYPE OF SEED (NATIVE MIX) IS TO BE APPROVED BY THE SUPERINTENDENT.
14. IF ROCK IS ENCOUNTERED THE SUPERINTENDENT SHALL BE NOTIFIED IMMEDIATELY SO MEASUREMENTS OF VOLUMES CAN BE MADE. NO VARIATIONS FOR ROCK WILL BE CONSIDERED UNLESS THE SUPERINTENDENT HAS VERIFIED THE AMOUNTS PRIOR TO BACKFILLING.
15. THERE SHALL BE NO PARKING, SITE SHEDS, SITE AMENITIES, BILLBOARDS OR STORAGE OF MATERIALS ON THE ACTIVE ROAD RESERVE, OVERLAND FLOW PATHS OR OPEN SPACE UNDER ANY CIRCUMSTANCES. PROTECT ALL GRASSLAND, TREES AND SHRUBS OUTSIDE THE WORKS AREA FROM DAMAGE.

**CAUTION:**  
OVERHEAD POWERLINES  
THE CONTRACTOR SHALL UNDERTAKE ALL  
REQUIREMENTS OF WORKCOVER NSW FOR  
WORKING UNDER POWERLINES

[illegible]

DATE PLOTTED: 6 November 2018 3:34 PM BY: PHILLIP JEWELL



FOR HUME HIGHWAY INTERSECTION DRAWINGS  
REFER TO RMS DRAWINGS  
REGISTRATION No. DS2018/001026

DRG No 50517019 - C10

DRG No 50517019 - C11

DRG No 50517019 - C12

DRG No 50517019 - C13

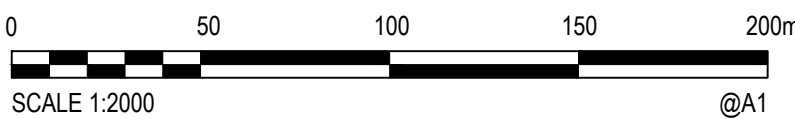
DRG No 50517019 - C14

DRG No 50517019 - C15

DRG No 50517019 - C16

DP1211587

344  
DP753595



| Rev. | Date       | Description       | Des.   | Verif. | Appd.  |
|------|------------|-------------------|--------|--------|--------|
| 4    | 6/11/2018  | ROAD RE-ALIGNMENT | P.D.J. | RIC    | S.A.S. |
| 3    | 25/10/2018 | ROAD RE-ALIGNMENT | P.D.J. | RIC    | S.A.S. |
| 2    | 17/03/2017 | FINAL SUBMISSION  | G.J.   | RIC    | J.H.   |
| 1    | 23/12/2016 | 90% DOCUMENTATION | G.J.   | RIC    | J.H.   |



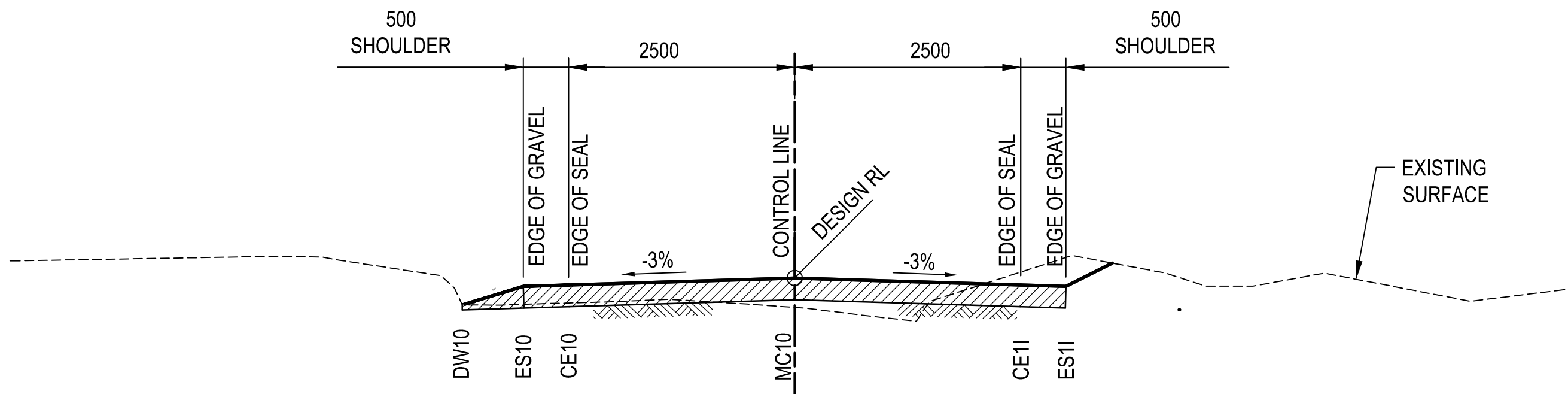
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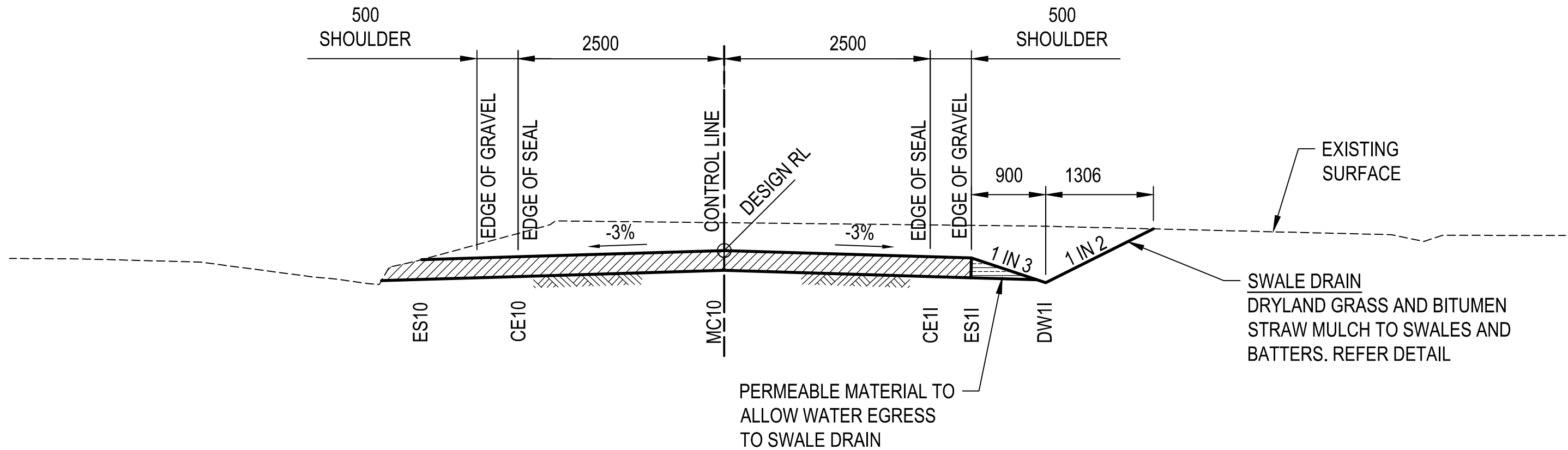
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|----------|------|------|------------|
| Drawn    | G.J. | Date | 23/12/2016 |
| Checked  | J.H. | Date | 23/12/2016 |
| Designed | RIC  | Date | 23/12/2016 |
| Verified | J.H. | Date | 23/12/2016 |
| Approved |      |      |            |
| M.P.     |      | Date | 23/12/2016 |

|         |                                                                                                                      |
|---------|----------------------------------------------------------------------------------------------------------------------|
| Client  | GOLDWIND AUSTRALIA                                                                                                   |
| Project | YASS VALLEY WIND FARM<br>ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD<br>AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS |
| Title   | SITE PLAN                                                                                                            |

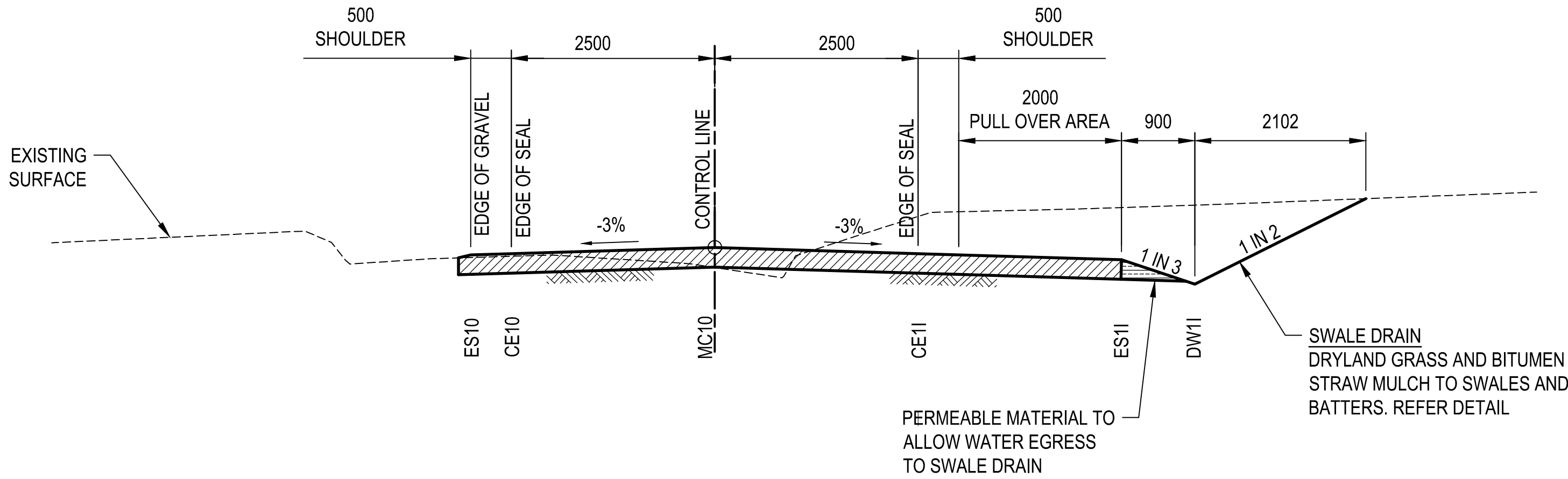
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| Status         | FOR APPROVAL<br>NOT TO BE USED FOR CONSTRUCTION PURPOSES |
| DATUM          | AHD                                                      |
| Scale          | 1:2000@A1                                                |
| Size           | A1                                                       |
| Drawing Number | 50517019 - C03                                           |
| Revision       | 4                                                        |



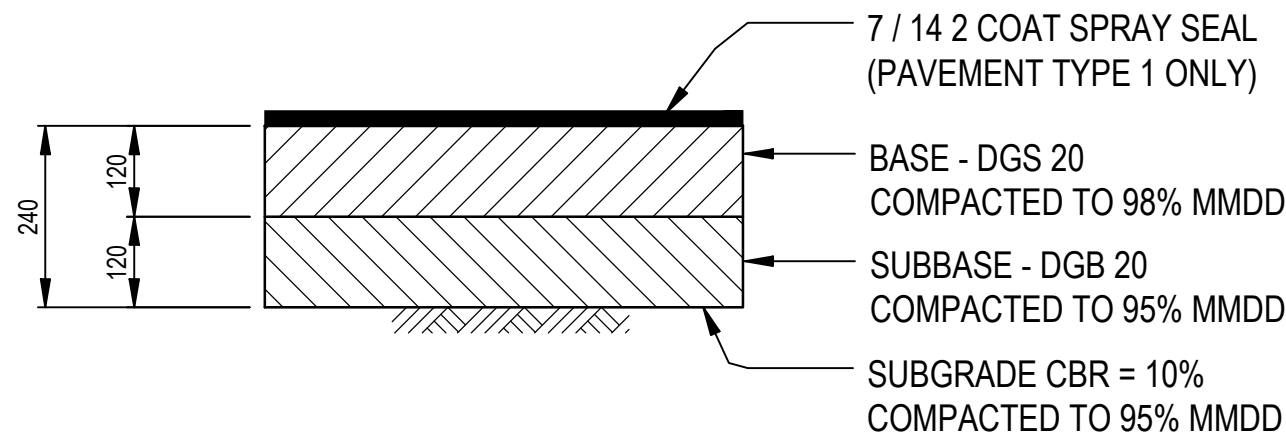
TYPICAL SECTION - CHAINAGE 300  
SCALE 1:50



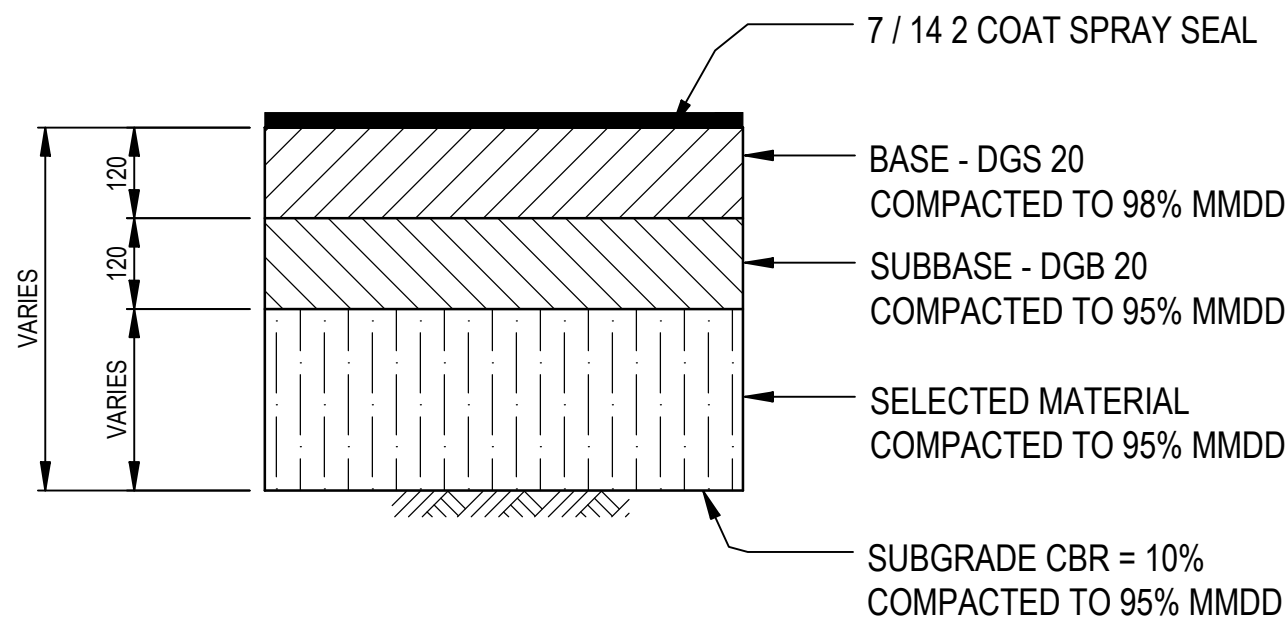
TYPICAL SECTION - CHAINAGE 680.0  
SCALE 1:50



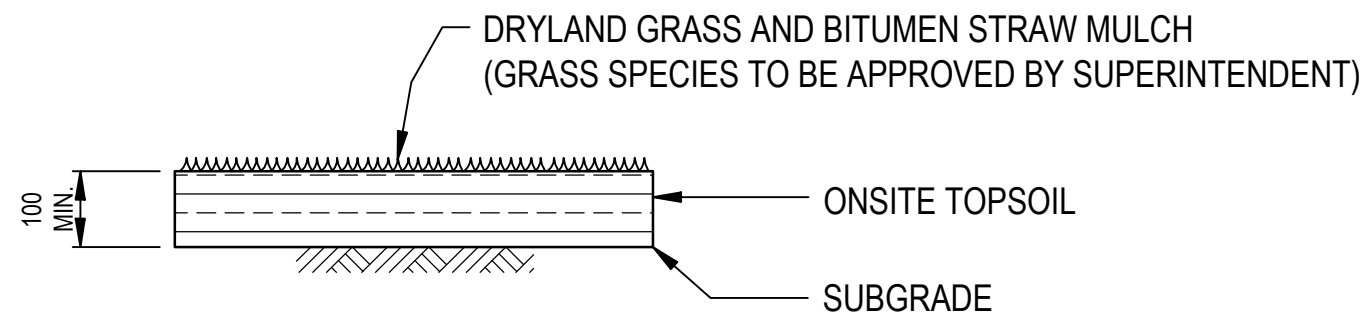
TYPICAL SECTION - CHAINAGE 780.0  
SCALE 1:50  
(ROADSIDE PULL OVER AREA)



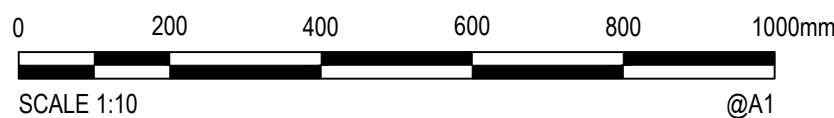
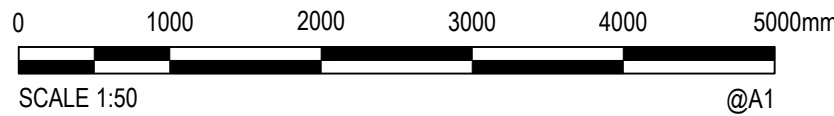
PAVEMENT TYPE 1 AND 2  
ACCESS ROAD  
(DESA 3.98 x 10<sup>5</sup>)  
SCALE 1:10



CATTLE GRID RESTORATION  
SCALE 1:10



GRASS SURFACE RESTORATION  
SWALE BATTERS AND AREAS OF RESTORATION  
SCALE 1:10



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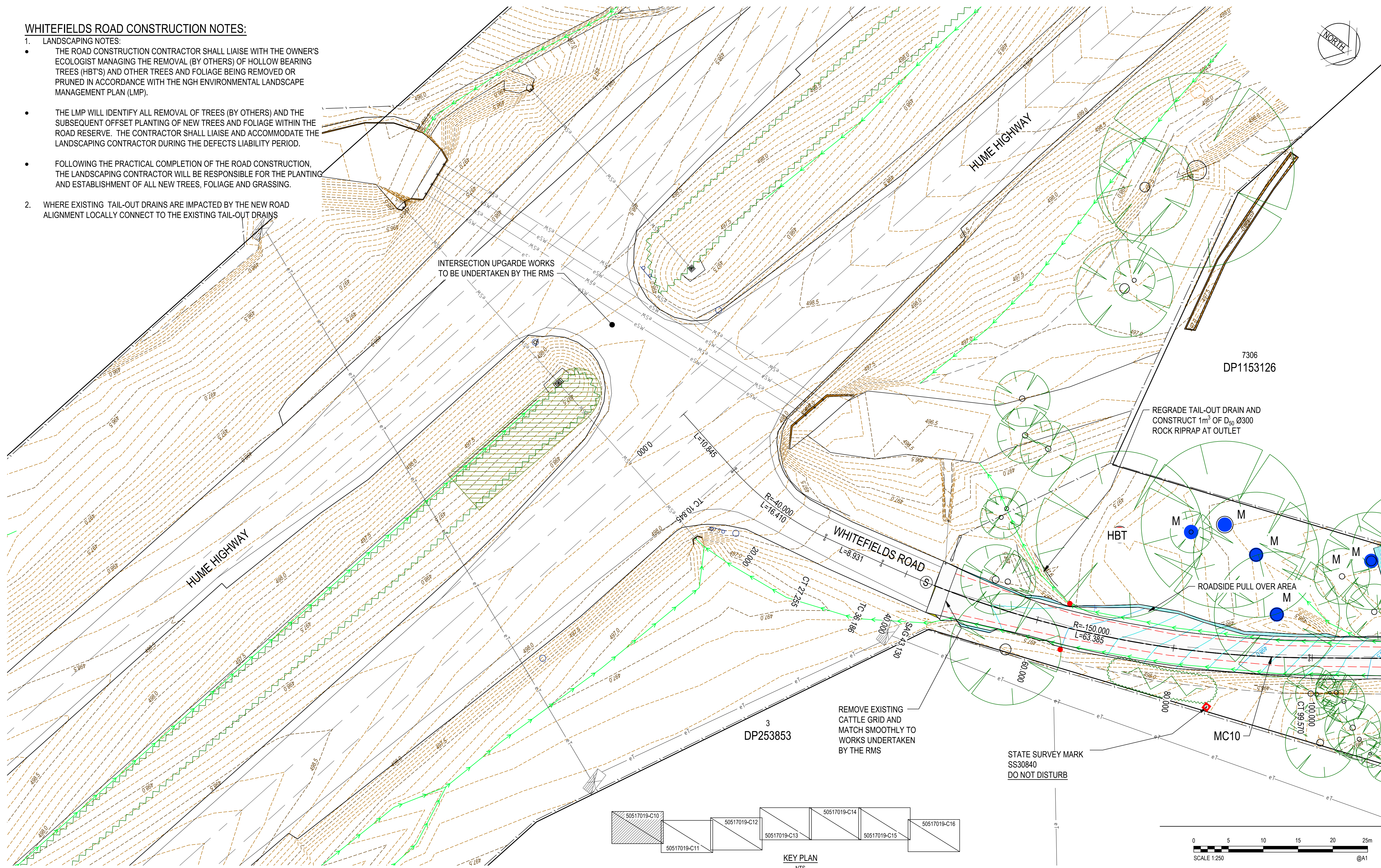
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| Drawn    | G.J. | Date | 23/12/2016 |
| Checked  | J.H. | Date | 23/12/2016 |
| Designed | RIC  | Date | 23/12/2016 |
| Verified | J.H. | Date | 23/12/2016 |
| Approved |      |      |            |
| M.P.     |      |      | 23/12/2016 |

|         |                                                                                                                      |
|---------|----------------------------------------------------------------------------------------------------------------------|
| Client  | GOLDWIND AUSTRALIA                                                                                                   |
| Project | YASS VALLEY WIND FARM<br>ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD<br>AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS |
| Title   | TYPICAL SECTIONS AND PAVEMENT DETAILS                                                                                |

|                |                                                          |
|----------------|----------------------------------------------------------|
| Status         | FOR APPROVAL<br>NOT TO BE USED FOR CONSTRUCTION PURPOSES |
| DATUM          | AHD                                                      |
| Scale          | AS SHOWN                                                 |
| Size           | A1                                                       |
| Drawing Number | 50517019 - C04                                           |
| Revision       | 4                                                        |

| Rev. | Date       | Description       | Des.   | Verif. | Appd.  |
|------|------------|-------------------|--------|--------|--------|
| 4    | 6/11/2018  | ROAD RE-ALIGNMENT | P.D.J. | RIC    | S.A.S. |
| 3    | 25/10/2018 | ROAD RE-ALIGNMENT | P.D.J. | RIC    | S.A.S. |
| 2    | 17/03/2017 | FINAL SUBMISSION  | G.J.   | RIC    | J.H.   |
| 1    | 23/12/2016 | 90% DOCUMENTATION | G.J.   | RIC    | J.H.   |

1. **LANDSCAPING NOTES:**
  - THE ROAD CONSTRUCTION CONTRACTOR SHALL LIAISE WITH THE OWNER'S ECOLOGIST MANAGING THE REMOVAL (BY OTHERS) OF HOLLOW BEARING TREES (HBT'S) AND OTHER TREES AND FOLIAGE BEING REMOVED OR PRUNED IN ACCORDANCE WITH THE NGH ENVIRONMENTAL LANDSCAPE MANAGEMENT PLAN (LMP).
  - THE LMP WILL IDENTIFY ALL REMOVAL OF TREES (BY OTHERS) AND THE SUBSEQUENT OFFSET PLANTING OF NEW TREES AND FOLIAGE WITHIN THE ROAD RESERVE. THE CONTRACTOR SHALL LIAISE AND ACCOMMODATE THE LANDSCAPING CONTRACTOR DURING THE DEFECTS LIABILITY PERIOD.
  - FOLLOWING THE PRACTICAL COMPLETION OF THE ROAD CONSTRUCTION, THE LANDSCAPING CONTRACTOR WILL BE RESPONSIBLE FOR THE PLANTING AND ESTABLISHMENT OF ALL NEW TREES, FOLIAGE AND GRASSING.
2. WHERE EXISTING TAIL-OUT DRAINS ARE IMPACTED BY THE NEW ROAD ALIGNMENT LOCALLY CONNECT TO THE EXISTING TAIL-OUT DRAINS

[illegible]

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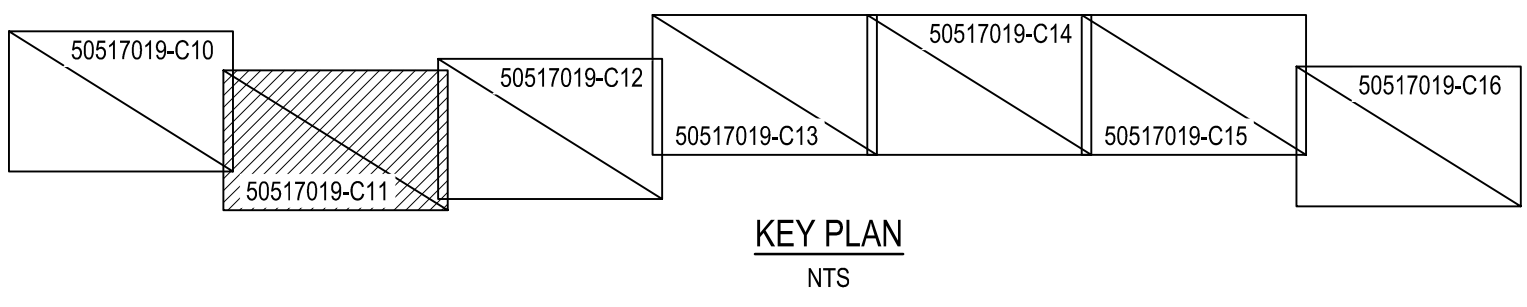


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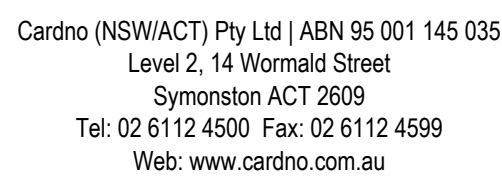
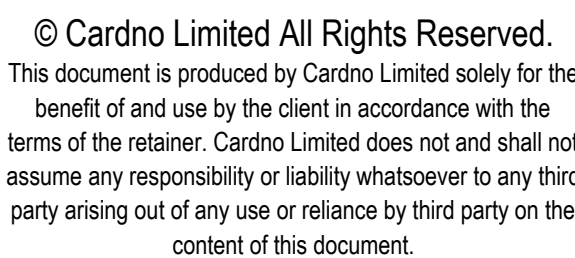
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| Drawn    | Date       |
| G.J.     | 23/12/2016 |
| Checked  | Date       |
| J.H.     | 23/12/2016 |
| Designed | Date       |
| RIC      | 23/12/2016 |
| Verified | Date       |
| J.H.     | 23/12/2016 |
| Approved |            |
| M.P.     | 23/12/2016 |

|         |                                                                                                                      |
|---------|----------------------------------------------------------------------------------------------------------------------|
| Client  | GOLDWIND AUSTRALIA                                                                                                   |
| Project | YASS VALLEY WIND FARM<br>ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD<br>AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS |
| Title   | GENERAL ARRANGEMENT - SHEET 1 OF 7                                                                                   |

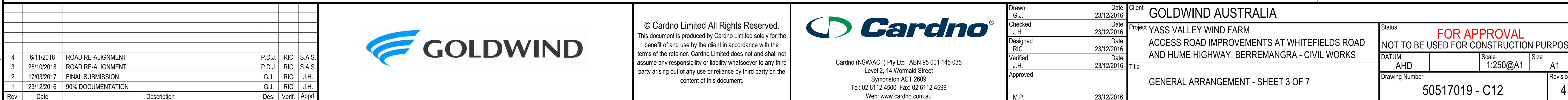
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| NOT TO BE USED FOR CONSTRUCTION PURPOSES |  |                     |          |
| DATUM                                    |  | Scale               | Size     |
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| Drawing Number                           |  |                     | Revision |
| 50517019 - C10                           |  |                     | 4        |

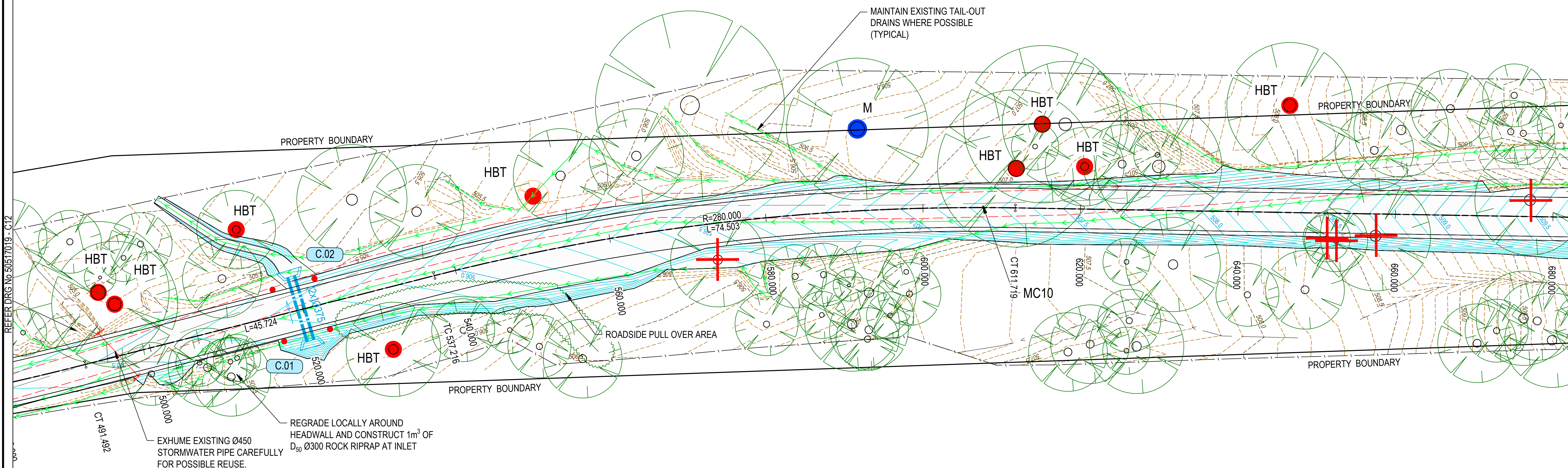
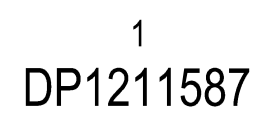


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|      |            |                   |        |        |        |
| 4    | 6/11/2018  | ROAD RE-ALIGNMENT | P.D.J. | RIC    | S.A.S. |
| 3    | 25/10/2018 | ROAD RE-ALIGNMENT | P.D.J. | RIC    | S.A.S. |
| 2    | 17/03/2017 | FINAL SUBMISSION  | G.J.   | RIC    | J.H.   |
| 1    | 23/12/2016 | 90% DOCUMENTATION | G.J.   | RIC    | J.H.   |
| Rev. | Date       | Description       | Des.   | Verif. | Appd.  |



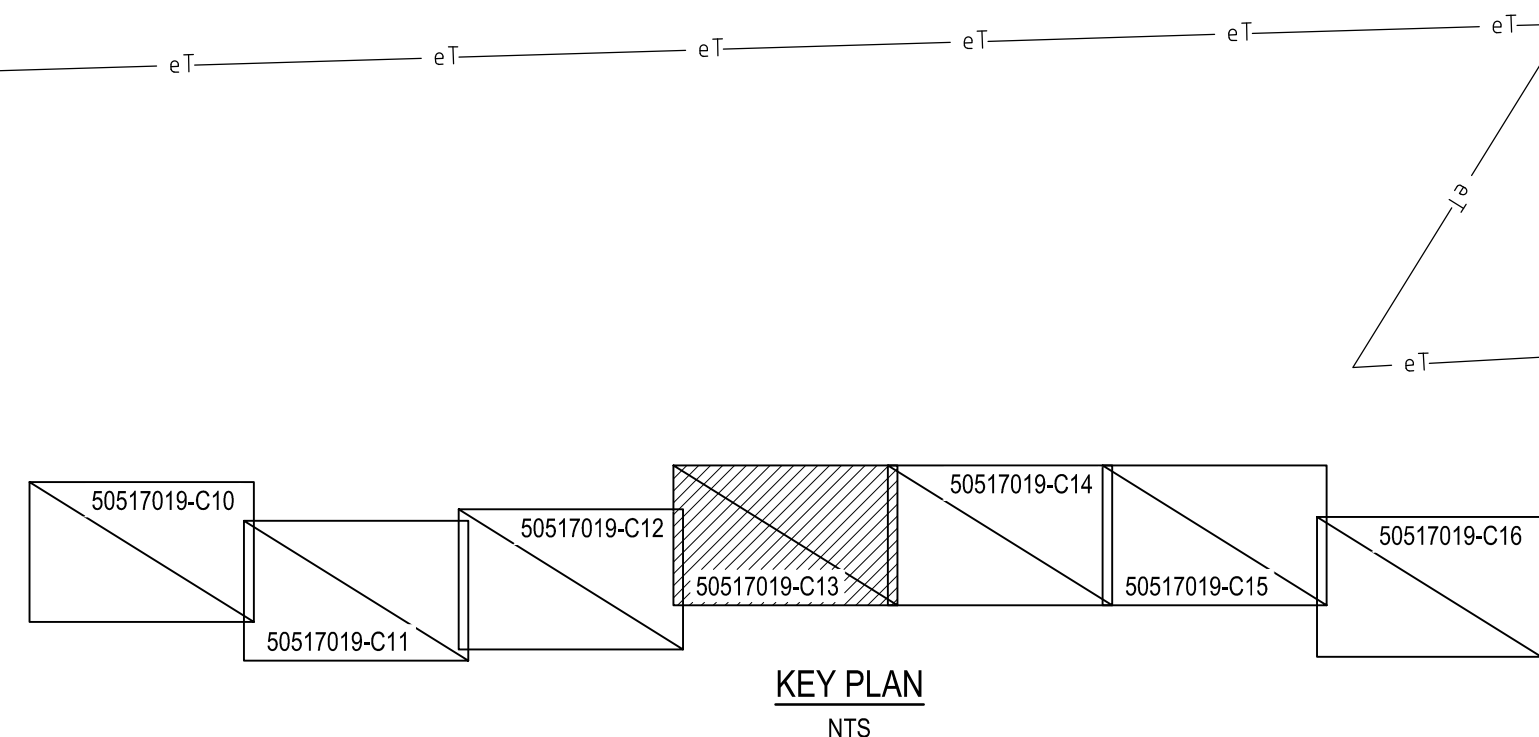
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| Drawn<br>G.J.                  | Date<br>23/12/2016                       | Client<br>GOLDWIND AUSTRALIA                                                                                                    |                                  |                   |               |
| Checked<br>J.H.                | Date<br>23/12/2016                       | Project<br>YASS VALLEY WIND FARM<br>ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD<br>AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS | Status<br>FOR APPROVAL           |                   |               |
| Designed<br>Date<br>23/12/2016 | NOT TO BE USED FOR CONSTRUCTION PURPOSES |                                                                                                                                 |                                  |                   |               |
| Verified<br>J.H.               | Date<br>23/12/2016                       |                                                                                                                                 | DATUM<br>AHD                     | Scale<br>1:250@A1 | Size<br>A1    |
| Approved                       |                                          |                                                                                                                                 | Drawing Number<br>50517019 - C11 |                   | Revision<br>4 |
| M.P.                           | 23/12/2016                               | Title<br>GENERAL ARRANGEMENT - SHEET 2 OF 7                                                                                     |                                  |                   |               |





3  
DP253853

| PIT SCHEDULE |            |            |             |         |         |         |         |           |                                |
|--------------|------------|------------|-------------|---------|---------|---------|---------|-----------|--------------------------------|
| Pit          |            |            |             | INLET   |         | OUTLET  |         | PIT       |                                |
| Name         | TYPE       | EASTING    | NORTHING    | DIA     | INV LEV | DIA     | INV LEV | SETOUT RL | REMARKS                        |
| A.01         | HW525INLET | 644667.574 | 6147376.334 |         |         | 525     | 497.810 | 498.600   |                                |
| A.02         | HW525      | 644664.327 | 6147367.130 | 525     | 497.690 |         |         | 498.204   | setout level to pit sump level |
| B.01         | HW375INLET | 644646.219 | 6147403.729 |         |         | (3x)375 | 498.500 | 498.578   |                                |
| B.02         | HW375      | 644640.702 | 6147397.210 | (3x)375 | 498.400 |         |         | 499.150   | setout level to pit sump level |
| C.01         | HW375INLET | 644394.946 | 6147668.179 |         |         | (2x)375 | 504.997 | 505.295   |                                |
| C.02         | HW375      | 644389.976 | 6147661.234 | (2x)375 | 504.970 |         |         | 504.598   | setout level to pit sump level |
| D.01         | HW375INLET | 644130.326 | 6148008.038 |         |         | (2x)375 | 520.559 | 520.995   |                                |
| D.02         | HW375      | 644122.747 | 6148004.104 | (2x)375 | 520.517 |         |         | 520.517   | setout level to pit sump level |
| E.01         | HW450INLET | 644057.467 | 6148141.322 |         |         | 450     | 525.954 | 525.954   |                                |
| F.02         | HW450      | 644057.495 | 6148129.111 | 450     | 525.832 |         |         | 525.832   | setout level to pit sump level |



| 4    | 6/11/2018  | ROAD RE-ALIGNMENT | P.D.J. | RIC    | S.A.S |
|------|------------|-------------------|--------|--------|-------|
| 3    | 25/10/2018 | ROAD RE-ALIGNMENT | P.D.J. | RIC    | S.A.S |
| 2    | 17/03/2017 | FINAL SUBMISSION  | G.J.   | RIC    | J.H.  |
| 1    | 23/12/2016 | 90% DOCUMENTATION | G.J.   | RIC    | J.H.  |
| Rev. | Date       | Description       | Des.   | Verif. | Appd. |

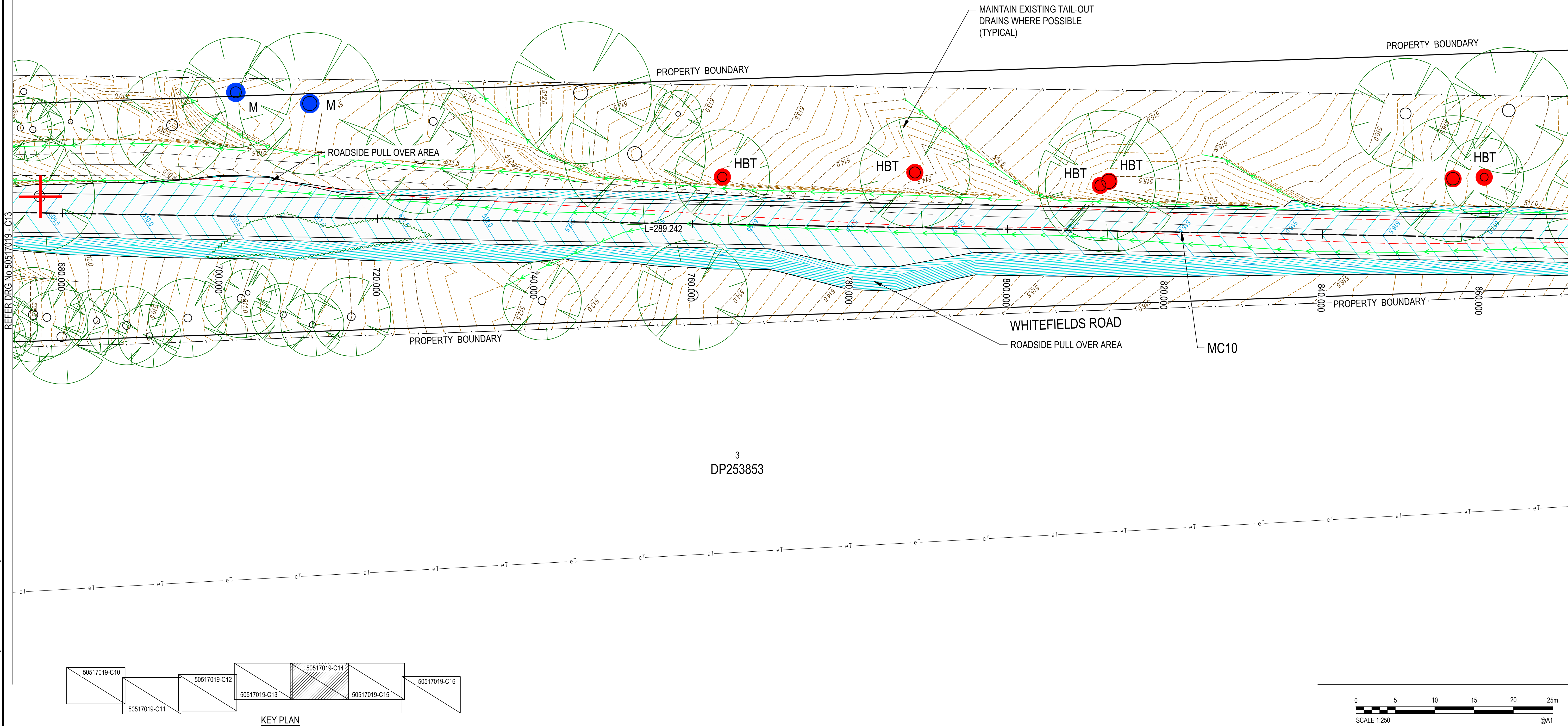


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|------------------|--------------------|---------------------------------------------------------------------------------------------|-----------------------------------------|-------------------|---------------|
| Drawn<br>G.J.    | Date<br>23/12/2016 | Client<br><b>GOLDWIND AUSTRALIA</b>                                                         |                                         |                   |               |
| Checked<br>J.H.  | Date<br>23/12/2016 | Project<br>YASS VALLEY WIND FARM                                                            | Status<br><b>FOR APPROVAL</b>           |                   |               |
| Designed<br>P.C. | Date<br>23/12/2016 | ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD<br>AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS | NOT TO BE USED FOR CONSTRUCTION PURPOSE |                   |               |
| Verified<br>J.H. | Date<br>23/12/2016 | Title                                                                                       | DATUM<br>AHD                            | Scale<br>1:250@A1 | Size<br>A1    |
| Approved         |                    | GENERAL ARRANGEMENT - SHEET 4 OF 7                                                          | Drawing Number<br>50517019 - C13        |                   | Revision<br>4 |
| M.P.             | 23/12/2016         |                                                                                             |                                         |                   |               |



|      |            |                   |        |        |        |
|------|------------|-------------------|--------|--------|--------|
|      |            |                   |        |        |        |
|      |            |                   |        |        |        |
|      |            |                   |        |        |        |
|      |            |                   |        |        |        |
| 4    | 6/11/2018  | ROAD RE-ALIGNMENT | P.D.J. | RIC    | S.A.S. |
| 3    | 25/10/2018 | ROAD RE-ALIGNMENT | P.D.J. | RIC    | S.A.S. |
| 2    | 17/03/2017 | FINAL SUBMISSION  | G.J.   | RIC    | J.H.   |
| 1    | 23/12/2016 | 90% DOCUMENTATION | G.J.   | RIC    | J.H.   |
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|          |            |
|----------|------------|
| Drawn    | Date       |
| G.J.     | 23/12/2016 |
| Checked  | Date       |
| J.H.     | 23/12/2016 |
| Designed | Date       |
| RIC      | 23/12/2016 |
| Verified | Date       |
| J.H.     | 23/12/2016 |
| Approved |            |
| M.P.     | 23/12/2016 |

Client **GOLDWIND AUSTRALIA**

|         |                       |
|---------|-----------------------|
| Project | YASS VALLEY WIND FARM |
|---------|-----------------------|

ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD  
AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS

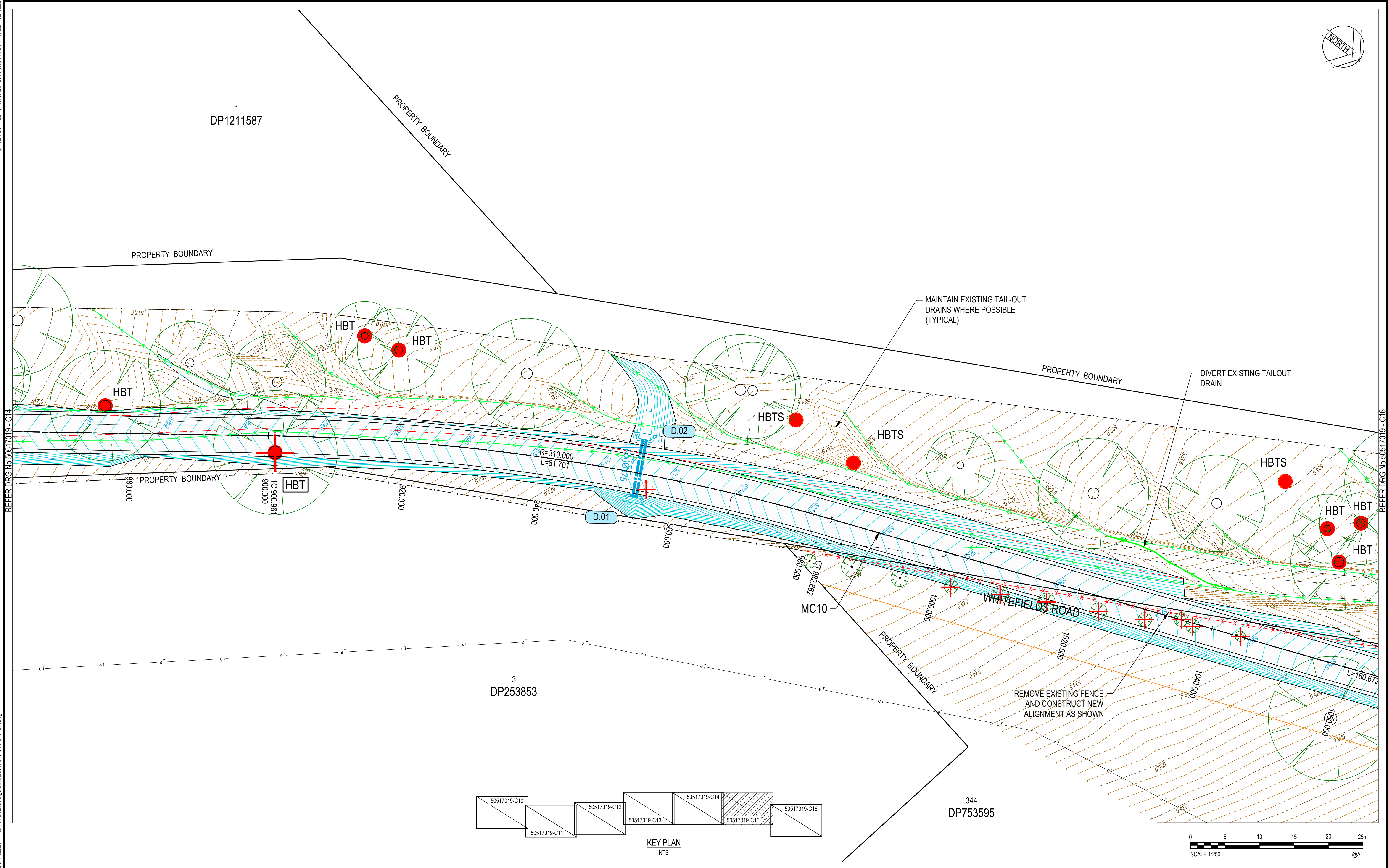
GENERAL ARRANGEMENT - SHEET 5 OF 7

|        |                                                          |
|--------|----------------------------------------------------------|
| Status | FOR APPROVAL<br>NOT TO BE USED FOR CONSTRUCTION PURPOSES |
|--------|----------------------------------------------------------|

|                                  |                   |               |
|----------------------------------|-------------------|---------------|
| DATUM<br>AHD                     | Scale<br>1:250@A1 | Size<br>A1    |
| Drawing Number<br>50517019 - C14 |                   | Revision<br>4 |

DATE PLOTTED: 6 November 2018 5:10 PM BY: PHILLIP JEWELL

XREFs: X-DESCONT250, XRF CONTROL MAIN 250, X-DVT-2604, DTT, X-SW-ROUGH AS GUTS, X-DESIGN, X-YASS-BASE, X-SURVCONT250, X-S DESIGN BDY  
CAD File: N:\Projects\50517019 - YASS VALLEY WIND FARM\Drawings\Bldg\50517019-C15-C16.dwg



| Rev. | Date       | Description       | Des.   | Verif. | Appd.  |
|------|------------|-------------------|--------|--------|--------|
| 4    | 6/11/2018  | ROAD RE-ALIGNMENT | P.D.J. | RIC    | S.A.S. |
| 3    | 25/10/2018 | ROAD RE-ALIGNMENT | P.D.J. | RIC    | S.A.S. |
| 2    | 17/03/2017 | FINAL SUBMISSION  | G.J.   | RIC    | J.H.   |
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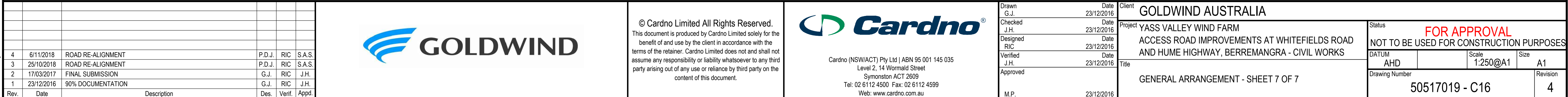
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| Checked<br>J.H.  | Date<br>23/12/2016 |
| Designed<br>RIC  | Date<br>23/12/2016 |
| Verified<br>J.H. | Date<br>23/12/2016 |
| Approved         |                    |
| M.P.             | 23/12/2016         |

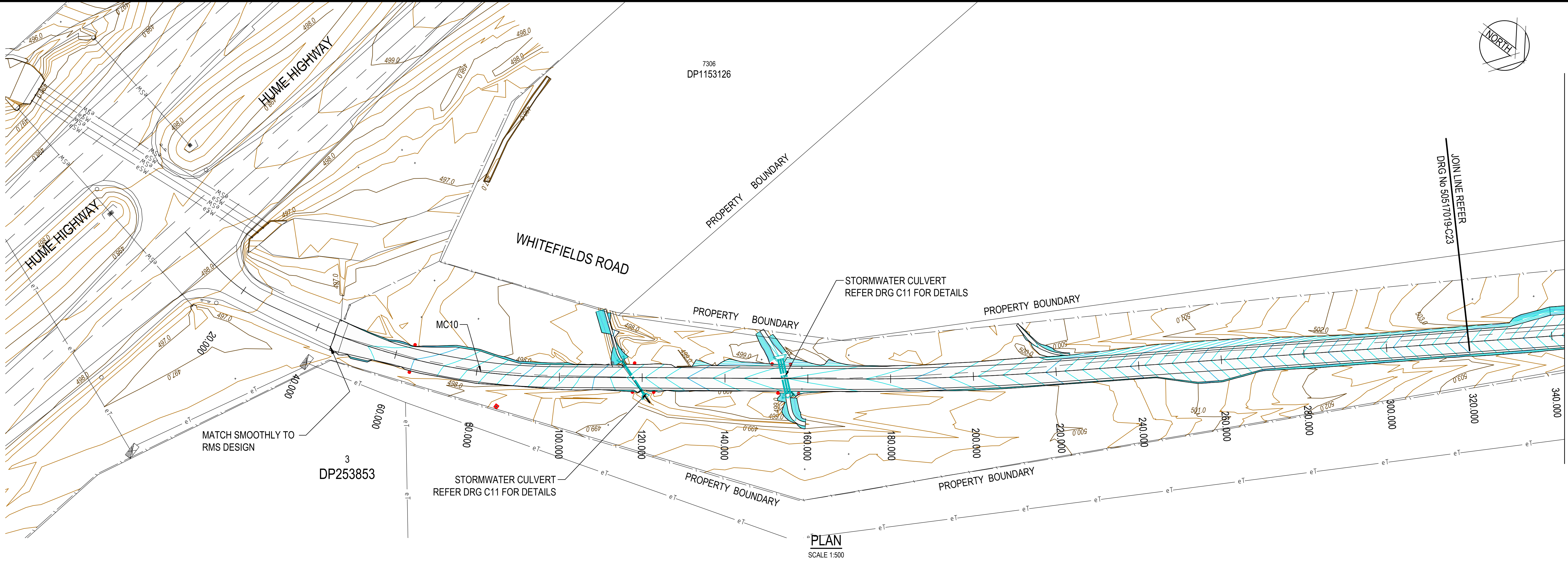
Client  
**GOLDWIND AUSTRALIA**

Project  
**YASS VALLEY WIND FARM  
ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD  
AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS**

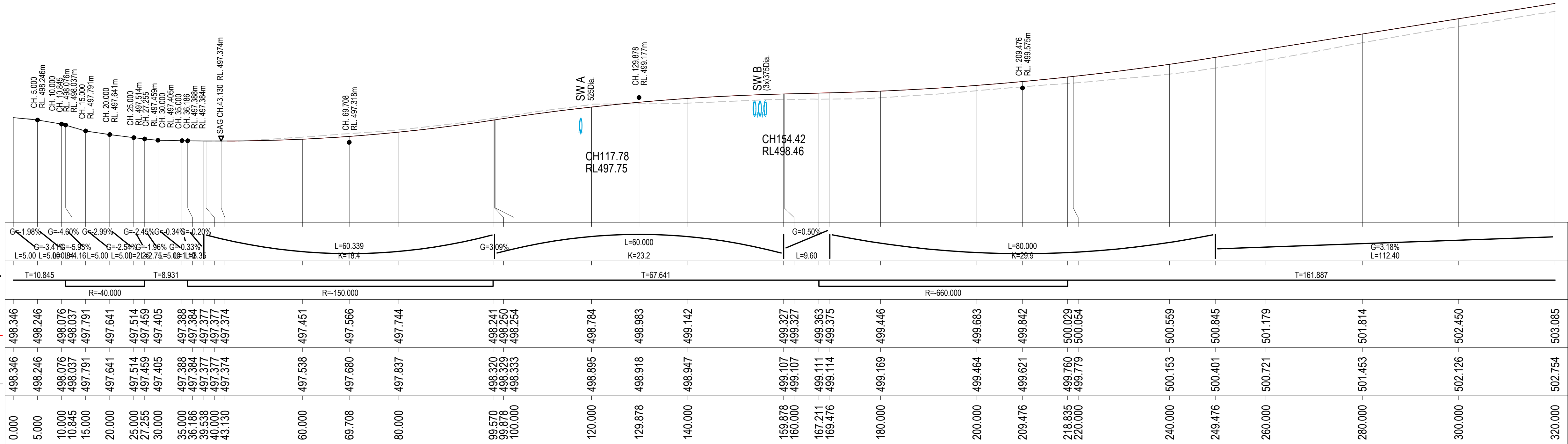
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**GENERAL ARRANGEMENT - SHEET 6 OF 7**

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| NOT TO BE USED FOR CONSTRUCTION PURPOSES | Drawing Number<br><b>50517019 - C15</b> | Revision<br><b>4</b> |            |

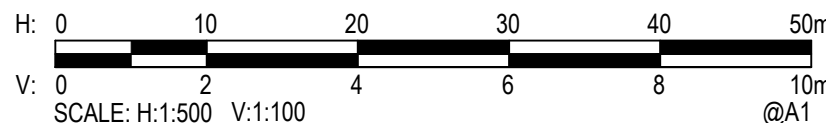




DATUM R.L. 494.000  
VERT. ALIGNMENT  
HORIZ. ALIGNMENT  
DESIGN LEVELS  
EXISTING LEVELS  
CHAINAGE



LONGITUDINAL SECTION CONTROL MC10



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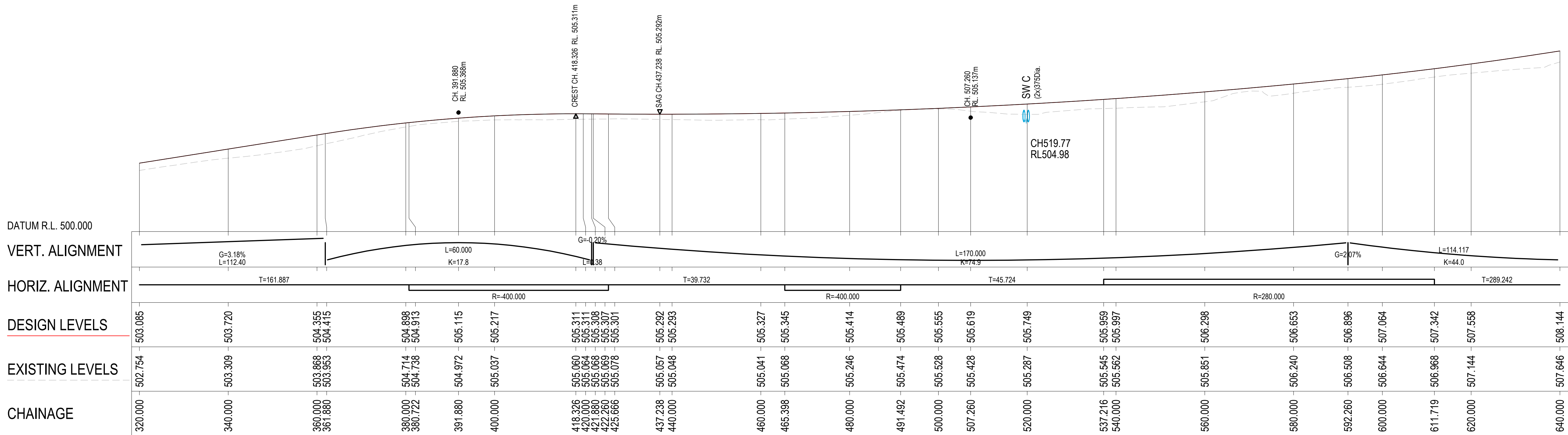
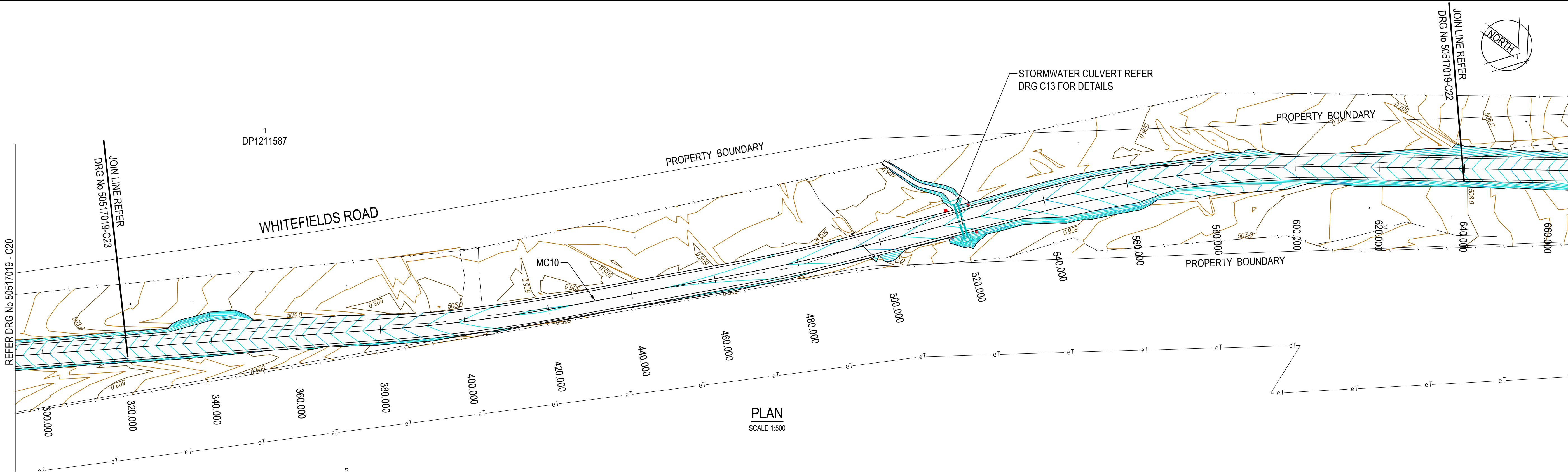


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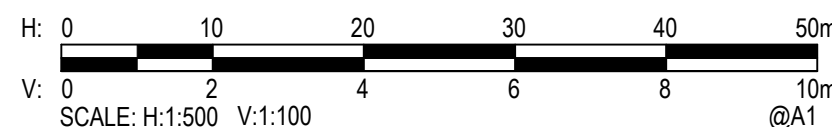
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| Checked  | J.H. | Date | 23/12/2016 |
| Designed | RIC  | Date | 23/12/2016 |
| Verified | J.H. | Date | 23/12/2016 |
| Approved | M.P. | Date | 23/12/2016 |

Client **GOLDWIND AUSTRALIA**  
Project **YASS VALLEY WIND FARM**  
**ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS**  
Title **PLAN AND LONG SECTION (MC10) - SHEET 1 OF 4**

|                                          |  |                     |          |
|------------------------------------------|--|---------------------|----------|
| Status                                   |  | <b>FOR APPROVAL</b> |          |
| NOT TO BE USED FOR CONSTRUCTION PURPOSES |  |                     |          |
| DATUM                                    |  | Scale               | Size     |
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| Drawing Number                           |  |                     | Revision |
| 50517019 - C20                           |  |                     | 3        |



LONGITUDINAL SECTION CONTROL MC10



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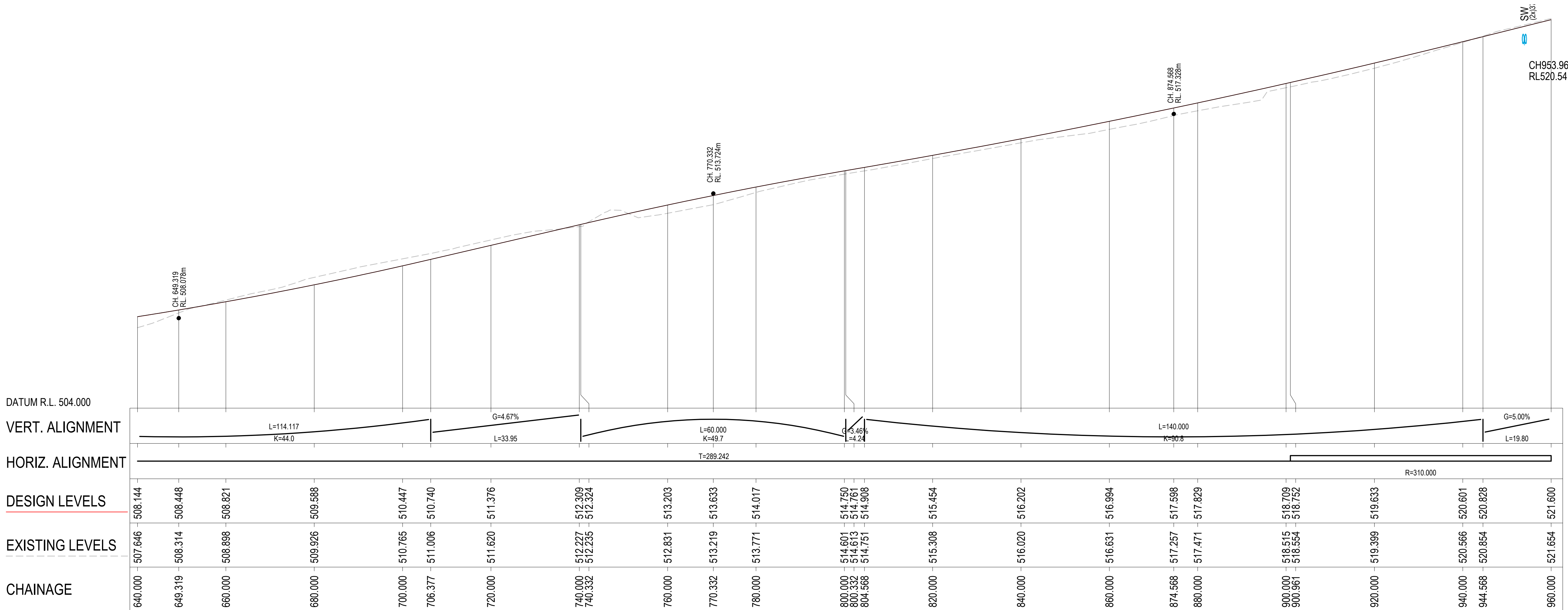
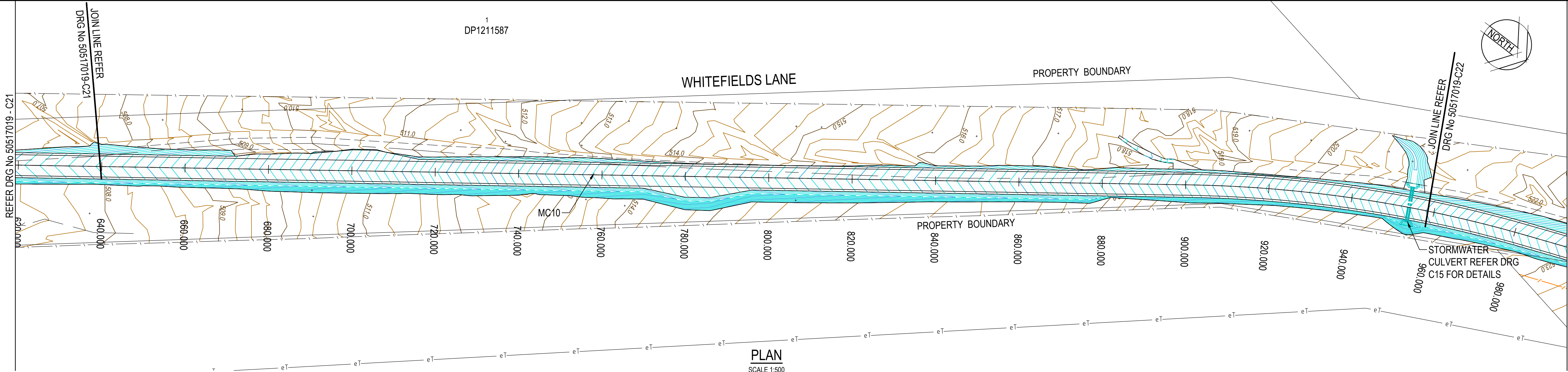


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|----------|------|------|------------|
| Drawn    | G.J. | Date | 23/12/2016 |
| Checked  | J.H. | Date | 23/12/2016 |
| Designed | RIC  | Date | 23/12/2016 |
| Verified | J.H. | Date | 23/12/2016 |
| Approved | M.P. | Date | 23/12/2016 |

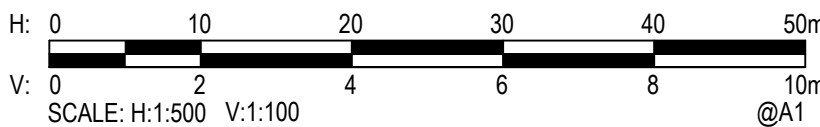
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| Client  | GOLDWIND AUSTRALIA                                                                       |
| Project | YASS VALLEY WIND FARM                                                                    |
| Title   | ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS |
| Title   | PLAN AND LONG SECTION (MC10) - SHEET 2 OF 4                                              |

|                |                |
|----------------|----------------|
| Status         | FOR APPROVAL   |
| DATUM          | AHD            |
| Scale          | AS SHOWN       |
| Size           | A1             |
| Drawing Number | 50517019 - C21 |
| Revision       | 3              |



LONGITUDINAL SECTION CONTROL MC10

H:1:500  
V:1:100



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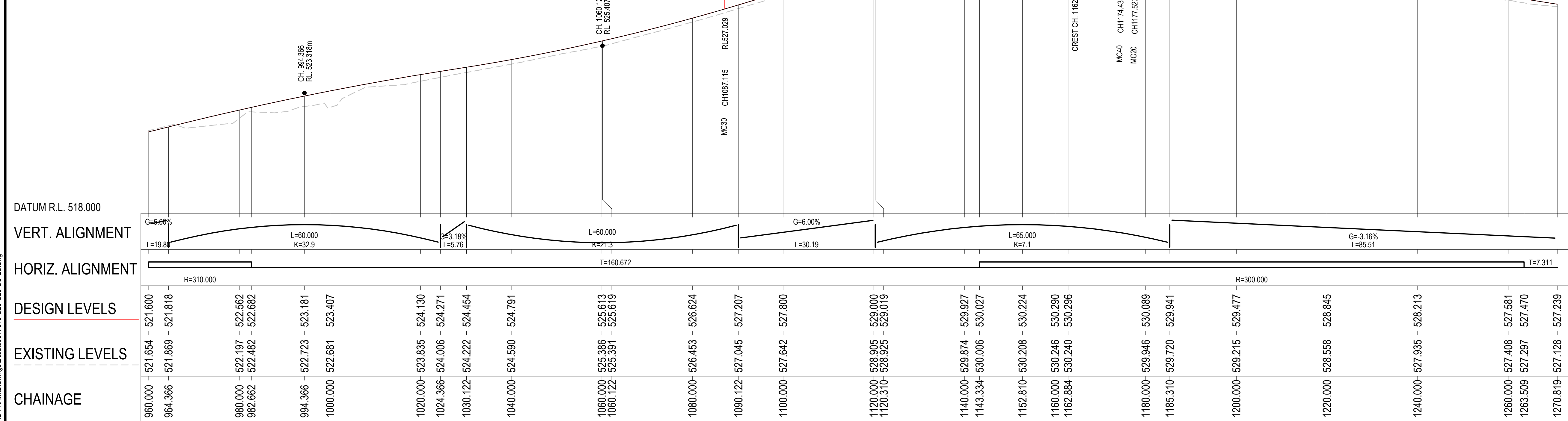
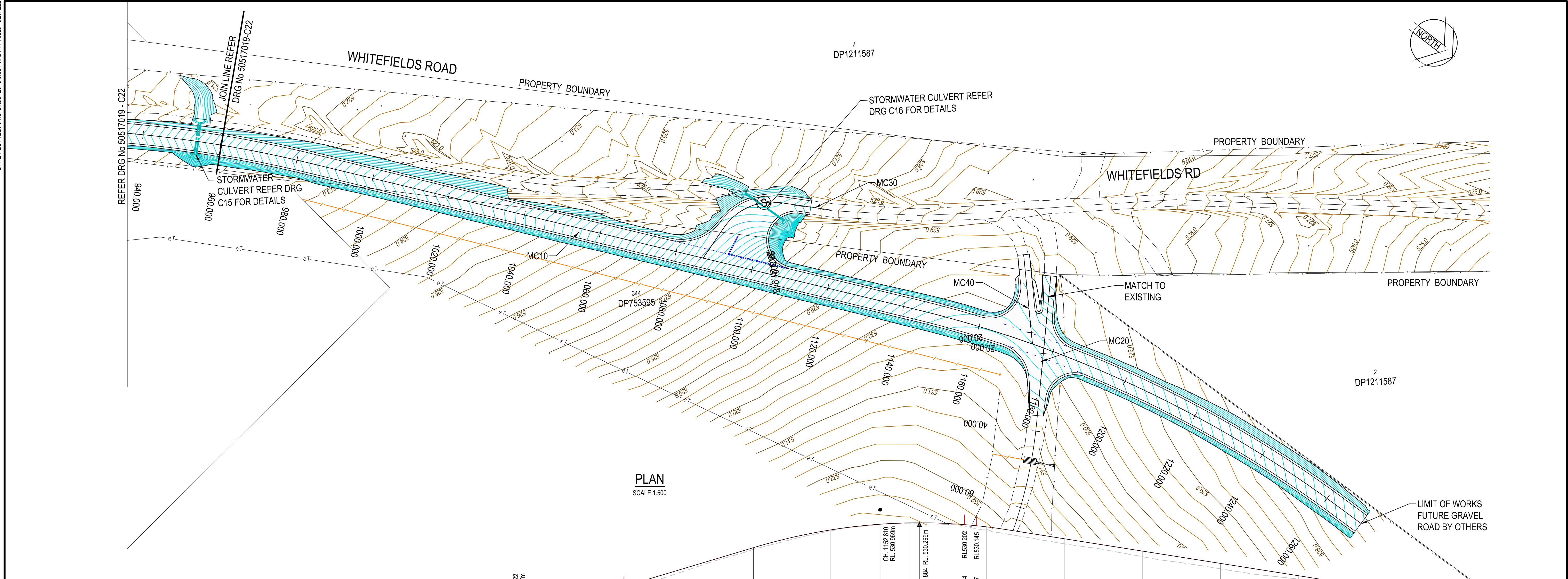


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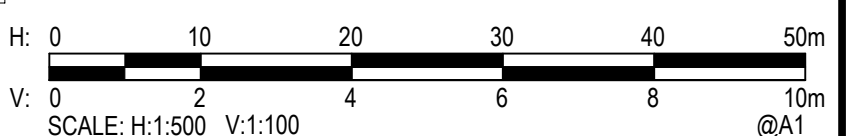
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| Drawn<br>G.J.    | Date<br>23/12/2016 |
| Checked<br>J.H.  | Date<br>23/12/2016 |
| Designed<br>RIC  | Date<br>23/12/2016 |
| Verified<br>J.H. | Date<br>23/12/2016 |
| Approved<br>M.P. | Date<br>23/12/2016 |

|                                                                                          |
|------------------------------------------------------------------------------------------|
| Client<br>GOLDWIND AUSTRALIA                                                             |
| Project<br>YASS VALLEY WIND FARM                                                         |
| Access Road Improvements at Whitefields Road and Hume Highway, Berremangra - Civil Works |
| Title<br>PLAN AND LONG SECTION (MC10) - SHEET 3 OF 4                                     |

|                                          |  |          |          |
|------------------------------------------|--|----------|----------|
| Status                                   |  |          |          |
| FOR APPROVAL                             |  |          |          |
| NOT TO BE USED FOR CONSTRUCTION PURPOSES |  |          |          |
| DATUM                                    |  | Scale    | Size     |
| AHD                                      |  | AS SHOWN | A1       |
| Drawing Number                           |  |          | Revision |
| 50517019 - C22                           |  |          | 3        |



LONGITUDINAL SECTION CONTROL MC10



| Rev. | Date       | Description       | Des.   | Verif. | Appd.  |
|------|------------|-------------------|--------|--------|--------|
| 3    | 25/10/2018 | ROAD RE-ALIGNMENT | P.D.J. | RIC    | S.A.S. |
| 2    | 17/03/2017 | FINAL SUBMISSION  | G.J.   | RIC    | J.H.   |
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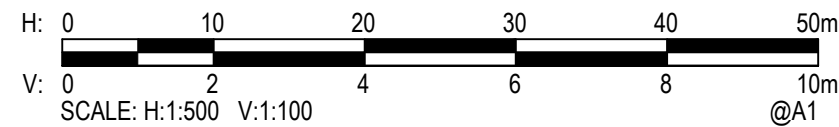
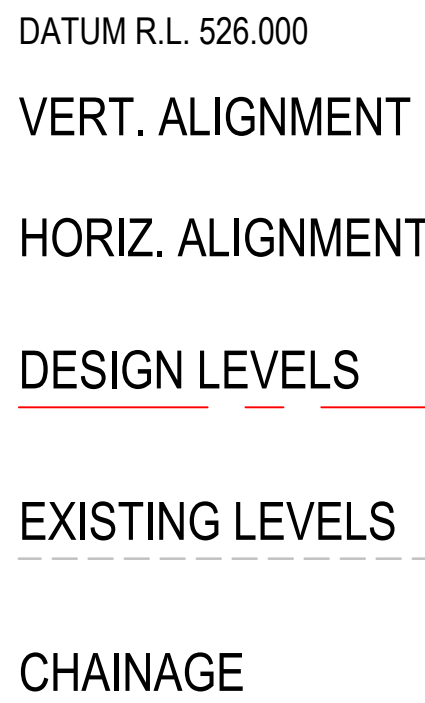
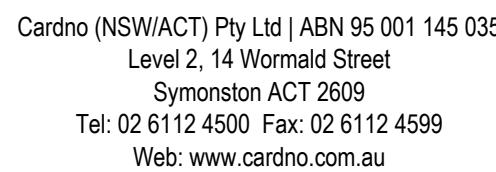
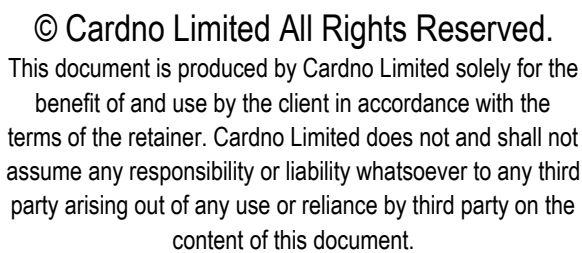


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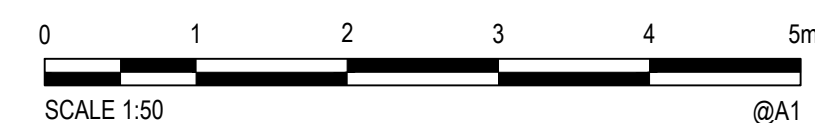
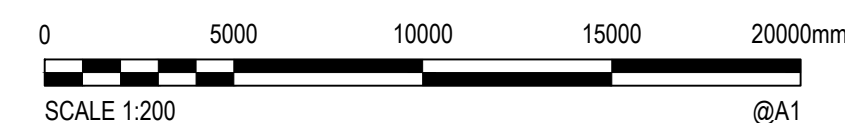
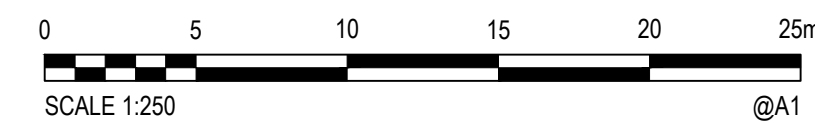
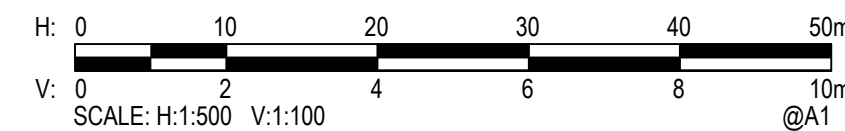
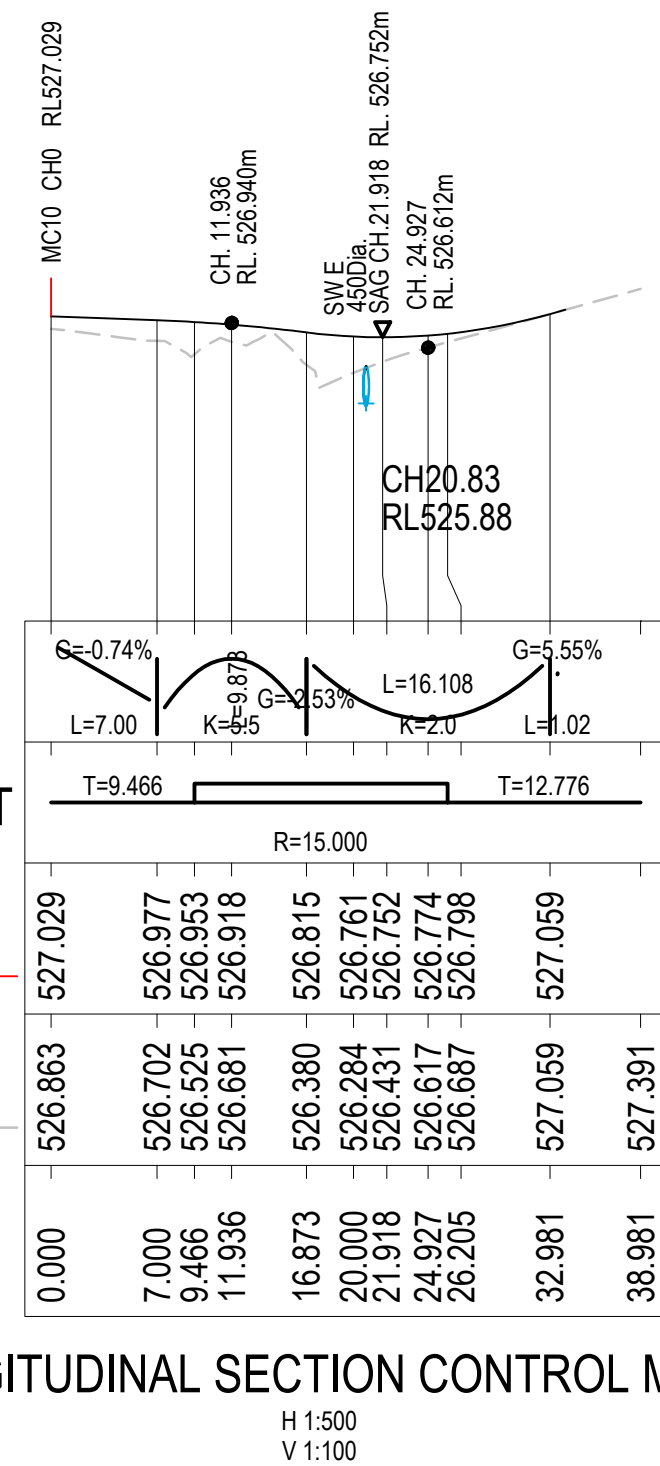
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| Drawn<br>G.J.    | Date<br>23/12/2016 | Client<br>GOLDWIND AUSTRALIA                                                             |
| Checked<br>J.H.  | Date<br>23/12/2016 | Project<br>YASS VALLEY WIND FARM                                                         |
| Designed<br>RIC  | Date<br>23/12/2016 | Access Road Improvements at Whitefields Road and Hume Highway, Berremangra - Civil Works |
| Verified<br>J.H. | Date<br>23/12/2016 |                                                                                          |
| Approved         |                    |                                                                                          |
| M.P.             | 23/12/2016         |                                                                                          |

|                                  |                   |
|----------------------------------|-------------------|
| Status<br><b>FOR APPROVAL</b>    |                   |
| DATUM<br>AHD                     | Scale<br>AS SHOWN |
| Drawing Number<br>50517019 - C23 | Size<br>A1        |
| Revision<br>3                    |                   |

PLAN AND LONG SECTION (MC10) - SHEET 4 OF 4

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|                  |                    |                                                                                             |                                          |
|------------------|--------------------|---------------------------------------------------------------------------------------------|------------------------------------------|
| Drawn<br>G.J.    | Date<br>23/12/2016 | Client<br><b>GOLDWIND AUSTRALIA</b>                                                         |                                          |
| Checked<br>J.H.  | Date<br>23/12/2016 | Project<br>YASS VALLEY WIND FARM                                                            | Status<br><b>FOR APPROVAL</b>            |
| Designed<br>R/C  | Date<br>23/12/2016 | ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD<br>AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS | NOT TO BE USED FOR CONSTRUCTION PURPOSES |
| Verified<br>J.H. | Date<br>23/12/2016 | Title                                                                                       | DATUM<br>AHD                             |
| Approved         |                    | INTERSECTION PLAN AND LONG SECTION (MC20)                                                   | Scale<br>AS SHOWN                        |
| M.P.             | 23/12/2016         | SHEET 1 OF 2                                                                                | Size<br>A1                               |
|                  |                    |                                                                                             | Drawing Number<br>50517019 - C24         |
|                  |                    |                                                                                             | Revision<br>2                            |



|      |            |                   |        |        |        |
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|      |            |                   |        |        |        |
|      |            |                   |        |        |        |
| 2    | 6/11/2018  | ROAD RE-ALIGNMENT | P.D.J. | RIC    | S.A.S. |
| 1    | 25/10/2018 | ROAD RE-ALIGNMENT | P.D.J. | RIC    | S.A.S. |
| Rev. | Date       | Description       | Des.   | Verif. | Appd.  |



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|                  |                    |                                                                                                                                 |  |                                                                           |  |
|------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|
| Drawn<br>G.J.    | Date<br>23/12/2016 | Client<br><b>GOLDWIND AUSTRALIA</b>                                                                                             |  |                                                                           |  |
| Checked<br>J.H.  | Date<br>23/12/2016 | Project<br>YASS VALLEY WIND FARM<br>ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD<br>AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS |  | Status<br><b>FOR APPROVAL</b><br>NOT TO BE USED FOR CONSTRUCTION PURPOSES |  |
| Designed<br>R.C. | Date<br>23/12/2016 | Title<br>INTERSECTION PLAN AND LONG SECTION (MC30)<br>SHEET 2 OF 2                                                              |  | Drawing Number<br>50517019 - C25                                          |  |
| Verified<br>J.H. | Date<br>23/12/2016 |                                                                                                                                 |  | Revision<br>2                                                             |  |
| Approved         |                    |                                                                                                                                 |  |                                                                           |  |
| M.P.             | 23/12/2016         |                                                                                                                                 |  |                                                                           |  |

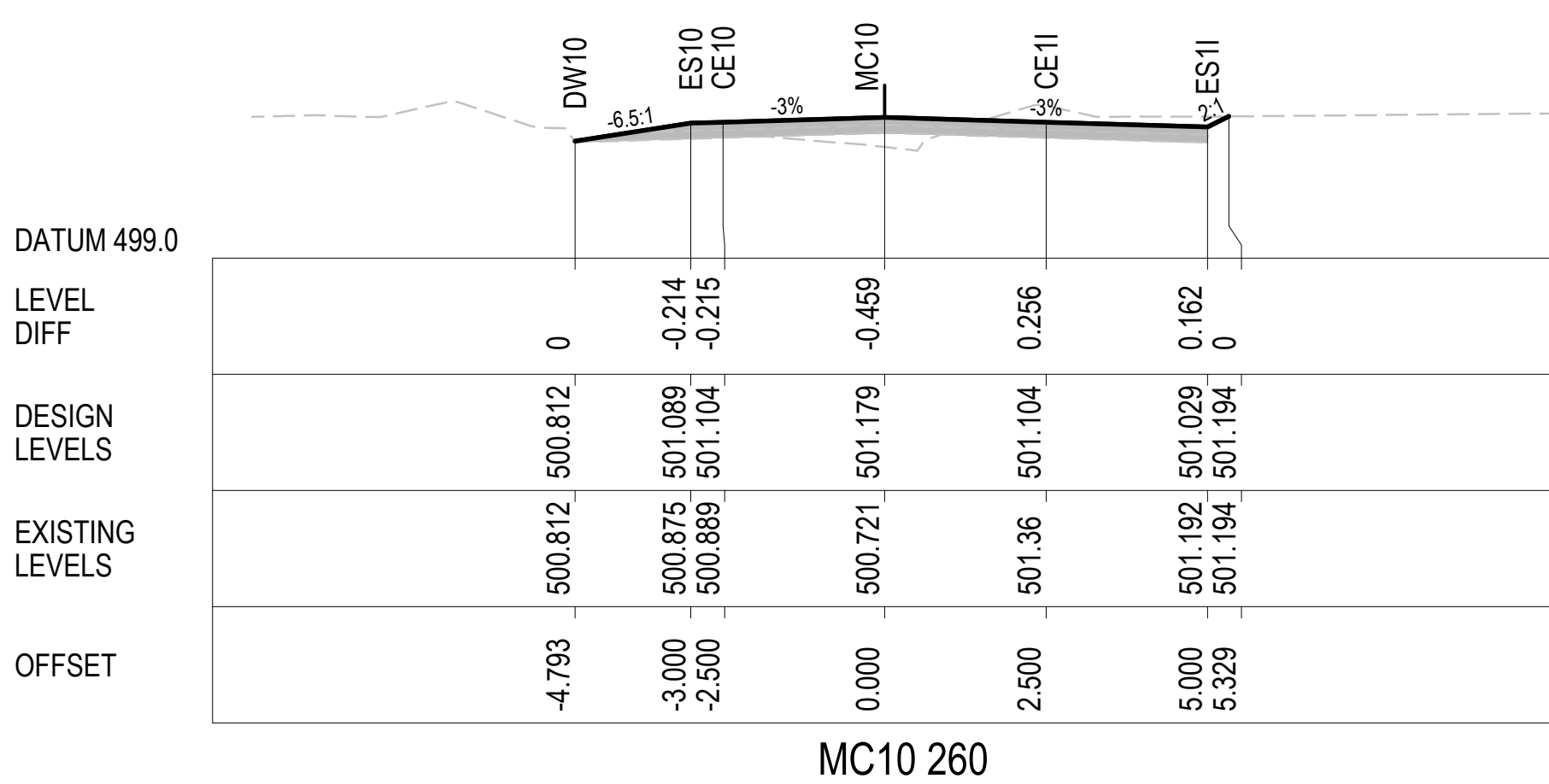
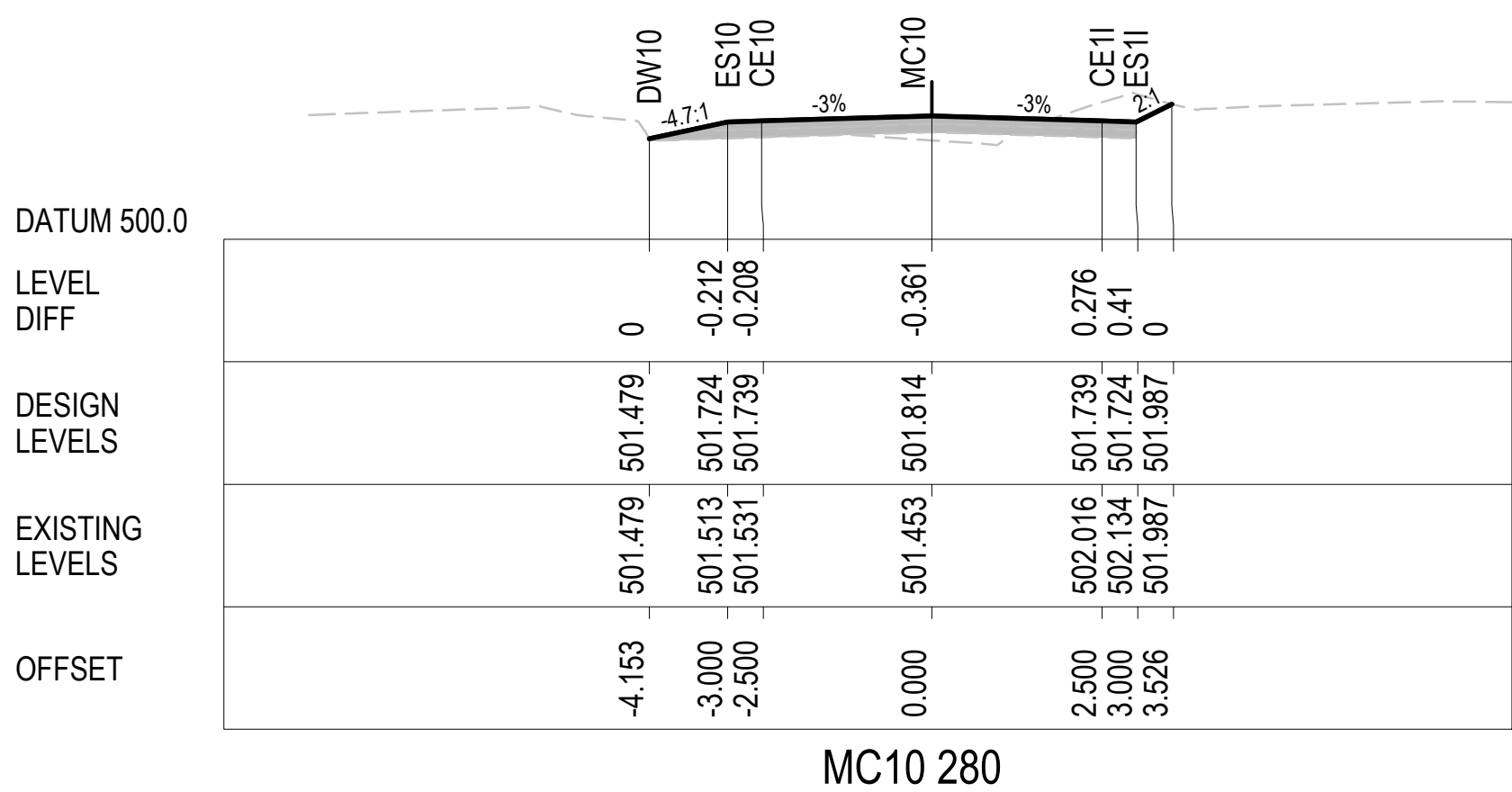
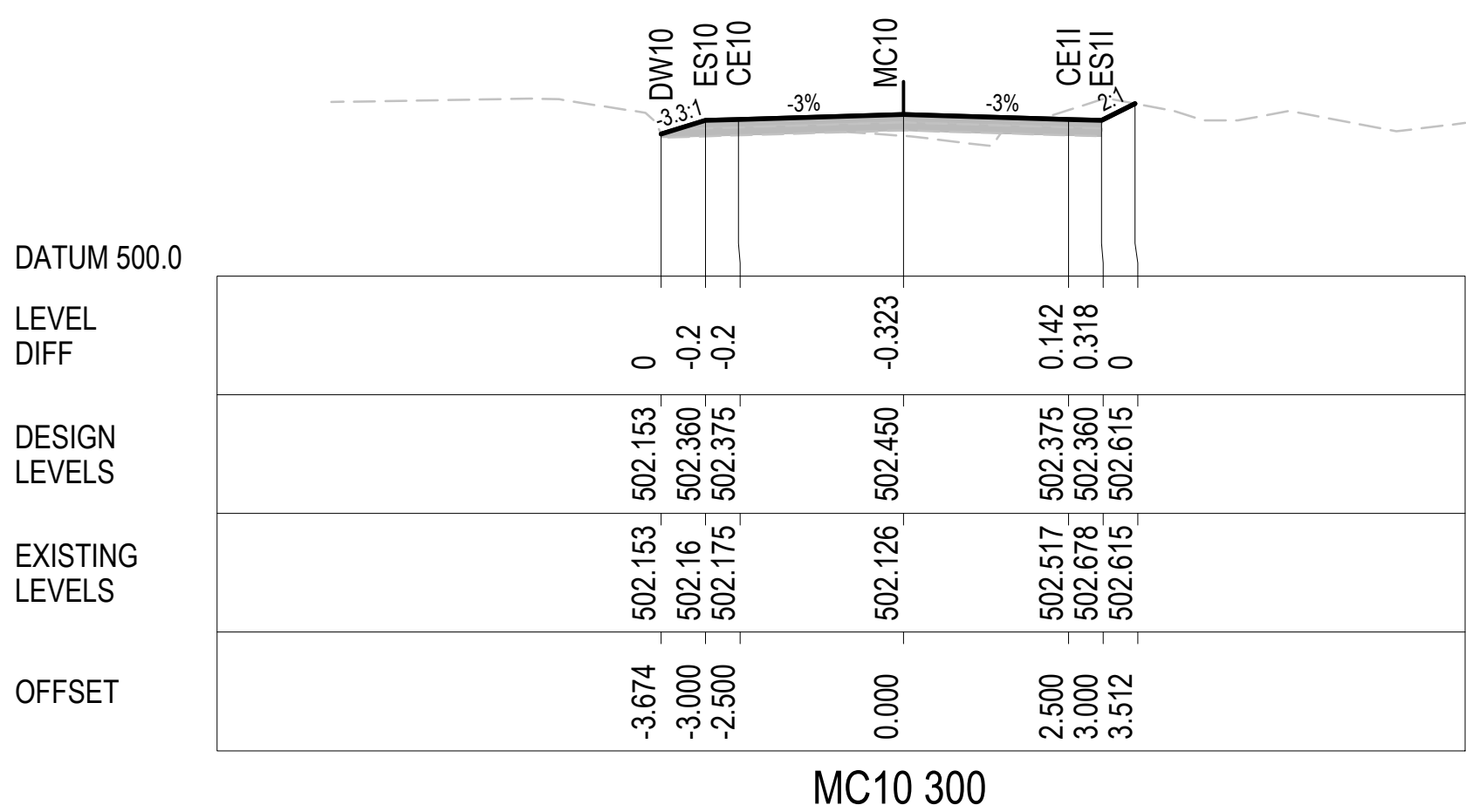
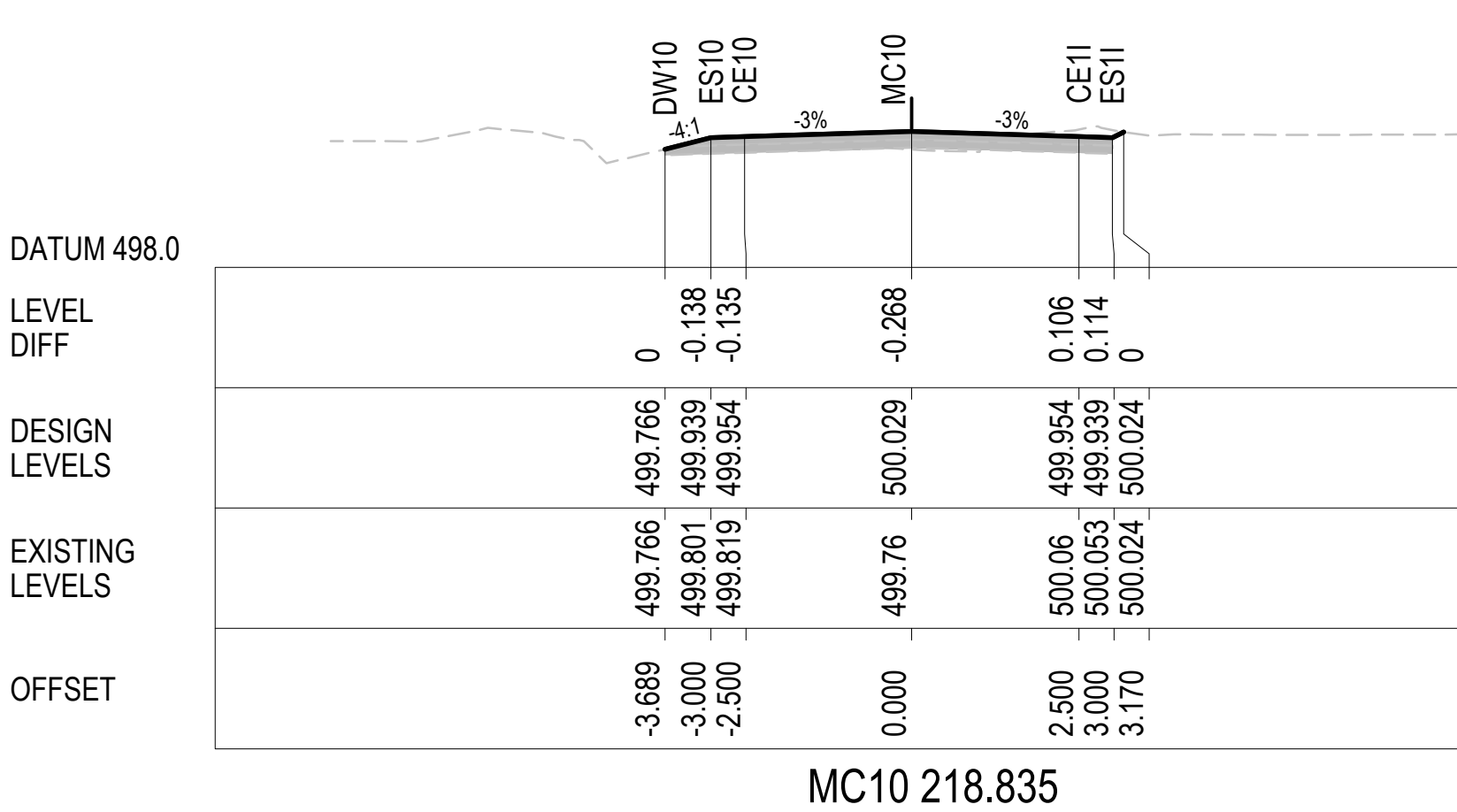
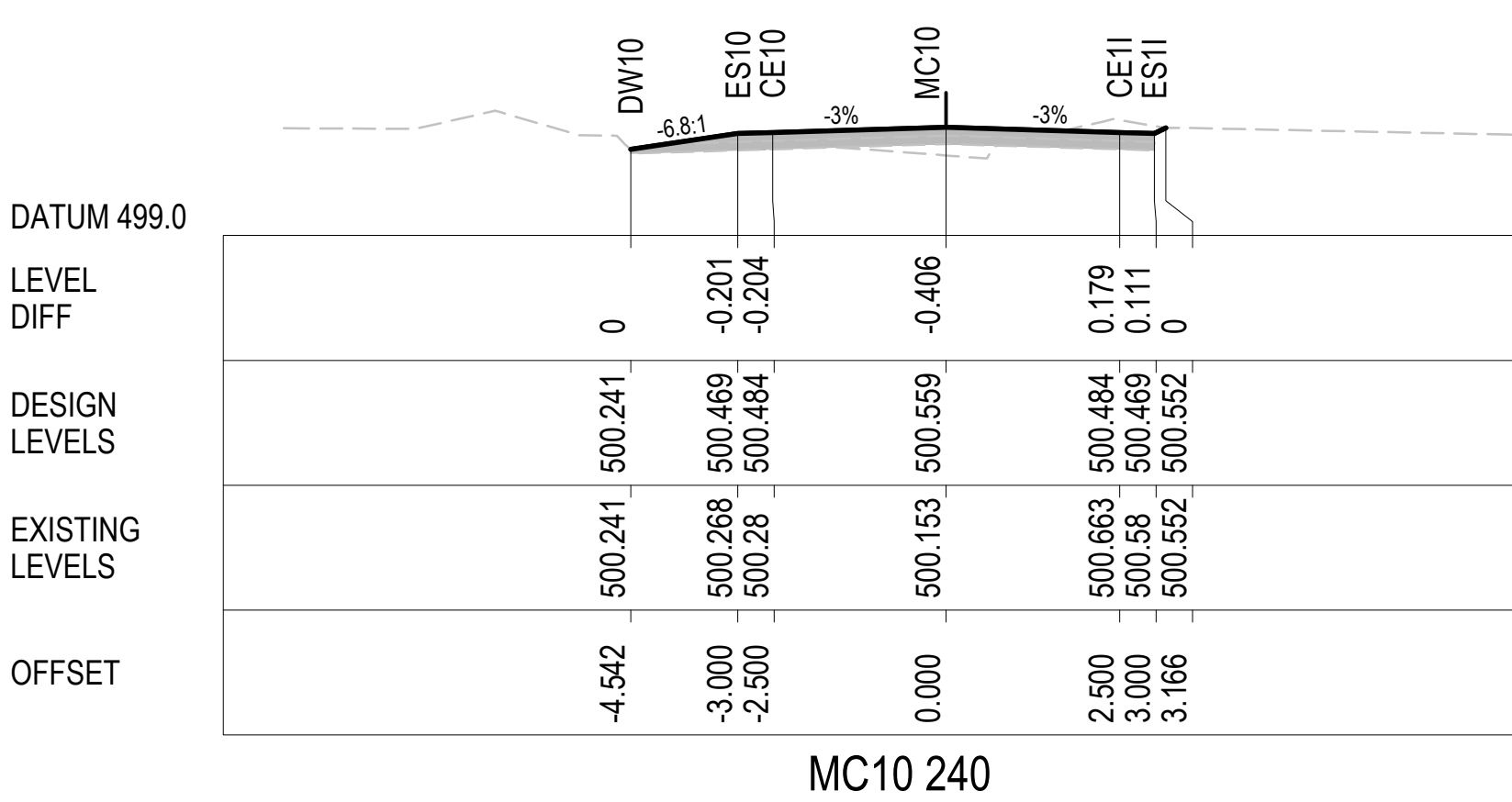
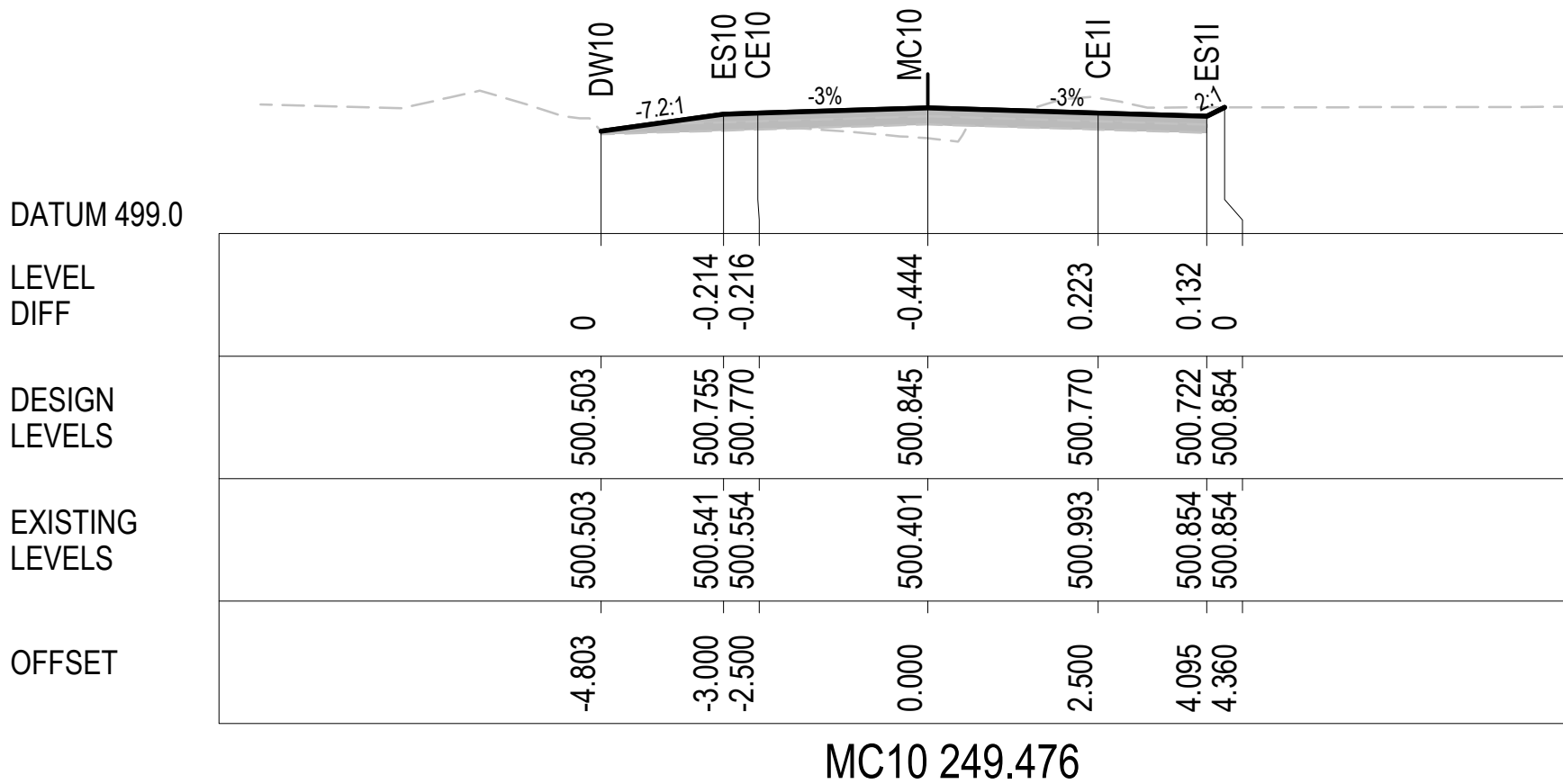
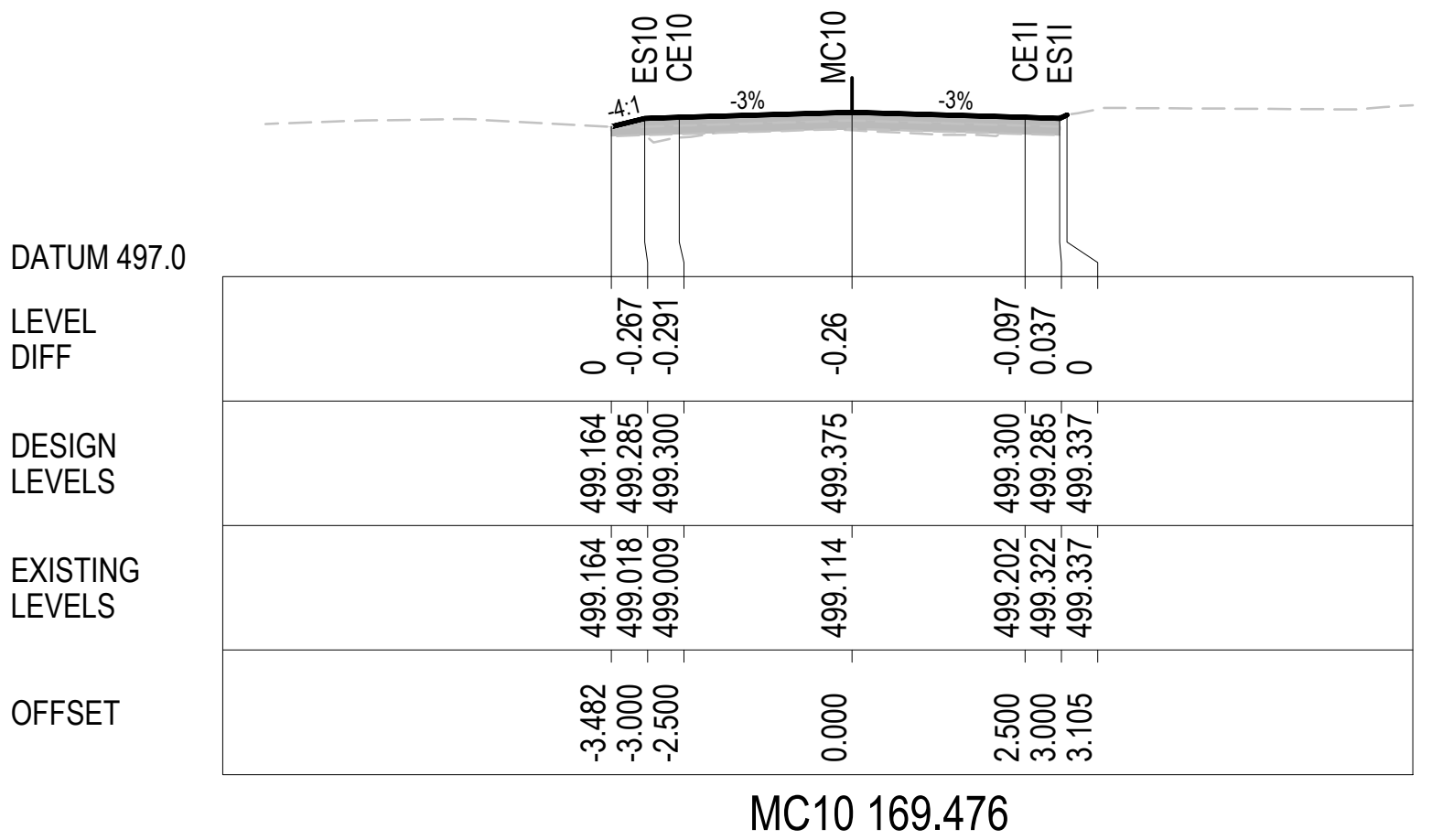
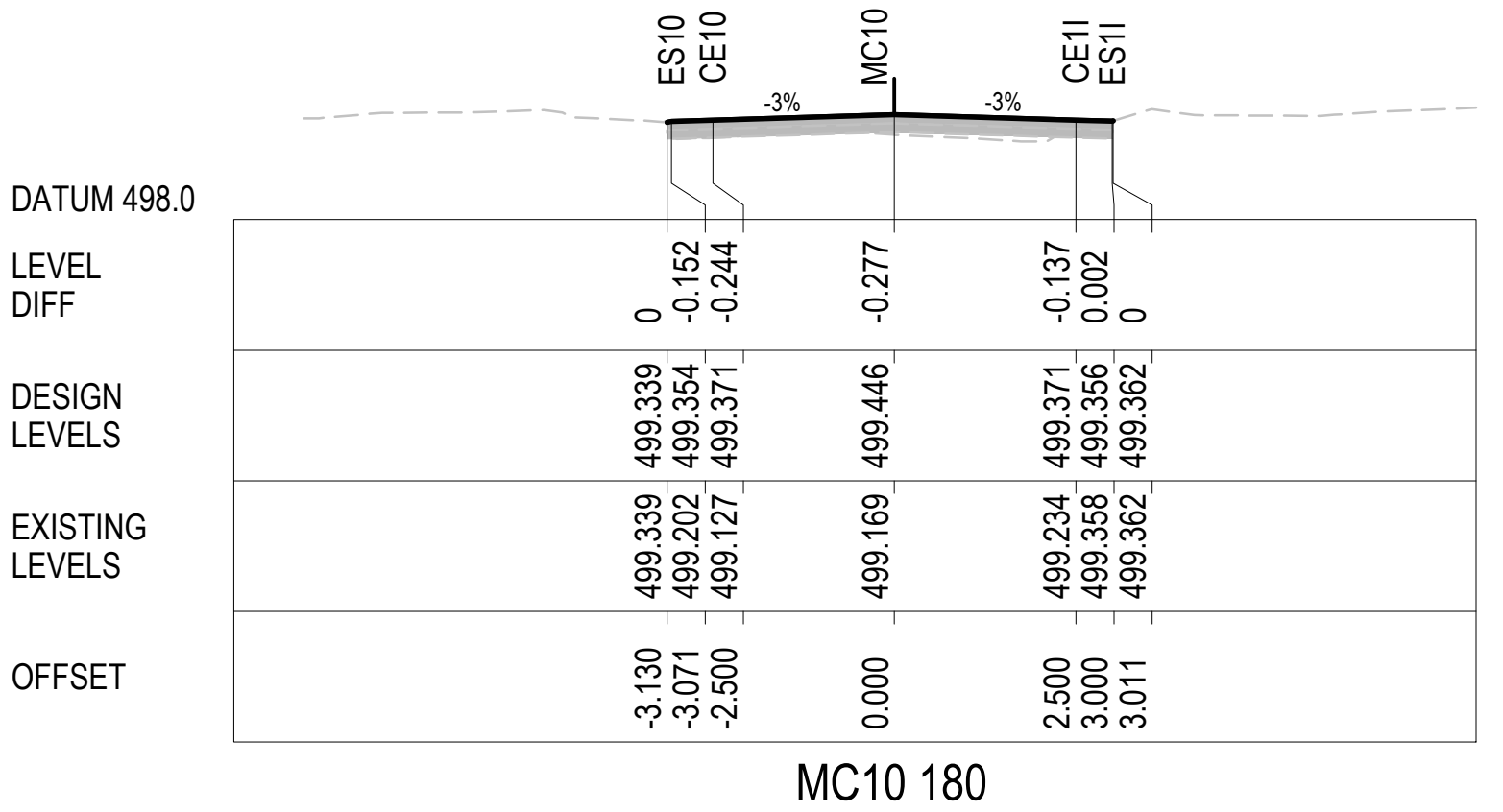
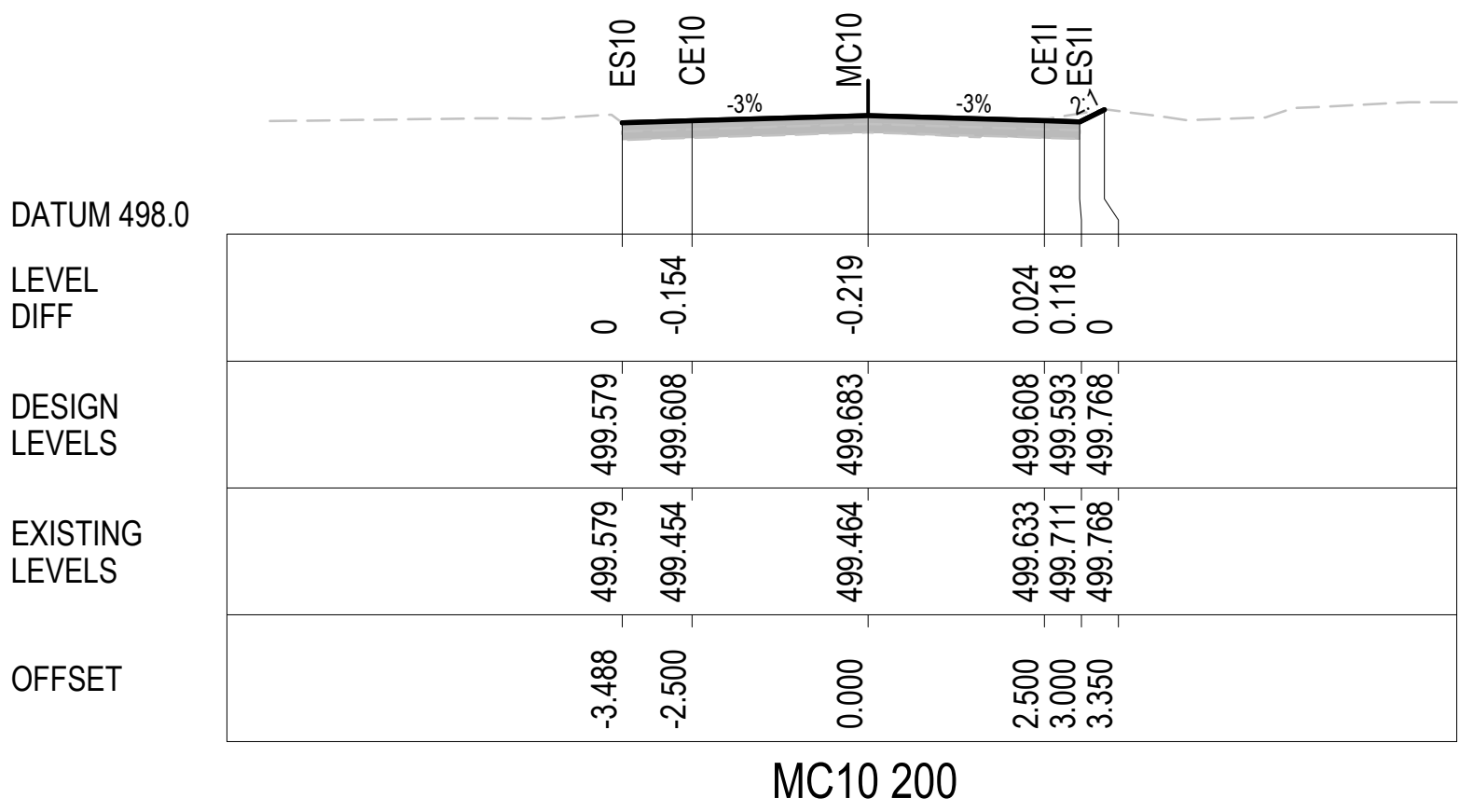
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|------------------|--------------------|---------------------------------------------------------------------------------------------|--|------------------------------------------|-------------------|
| Drawn<br>G.J.    | Date<br>23/12/2016 | Client<br><b>GOLDWIND AUSTRALIA</b>                                                         |  |                                          |                   |
| Checked<br>J.H.  | Date<br>23/12/2016 | Project<br>YASS VALLEY WIND FARM                                                            |  | Status<br><b>FOR APPROVAL</b>            |                   |
| Designed<br>RIC  | Date<br>23/12/2016 | ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD<br>AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS |  | NOT TO BE USED FOR CONSTRUCTION PURPOSES |                   |
| Verified<br>J.H. | Date<br>23/12/2016 | Title                                                                                       |  | DATUM<br>AHD                             | Scale<br>1:100@A1 |
| Approved         |                    |                                                                                             |  | Drawing Number                           | Revision          |
| M.P.             | 23/12/2016         | CROSS SECTIONS<br>WHITEFIELDS RD (MC10) - SHEET 1 OF 10                                     |  | 50517019 - C30                           | 4                 |

XREFs: XS-MC10  
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DATE PLOTTED: 6 November 2018 4:45 PM BY: PHILLIP JEWELL



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|      |            |                                      |  |        |        |        |  |  |  |
|      |            |                                      |  |        |        |        |  |  |  |
| 4    | 6/11/2018  | ROAD RE-ALIGNMENT                    |  | P.D.J. | RIC    |        |  |  |  |
| 4    | 25/10/2018 | ROAD RE-ALIGNMENT                    |  | P.D.J. | RIC    | S.A.S. |  |  |  |
| 3    | 17/05/2017 | AMENDED DRAWING CROSS-SECTION 2 OF 8 |  | G.J.   | RIC    | J.H.   |  |  |  |
| 2    | 17/03/2017 | FINAL SUBMISSION                     |  | G.J.   | RIC    | J.H.   |  |  |  |
| 1    | 23/12/2016 | 90% DOCUMENTATION                    |  | G.J.   | RIC    | J.H.   |  |  |  |
| Rev. | Date       | Description                          |  | Des.   | Verif. | Appd.  |  |  |  |



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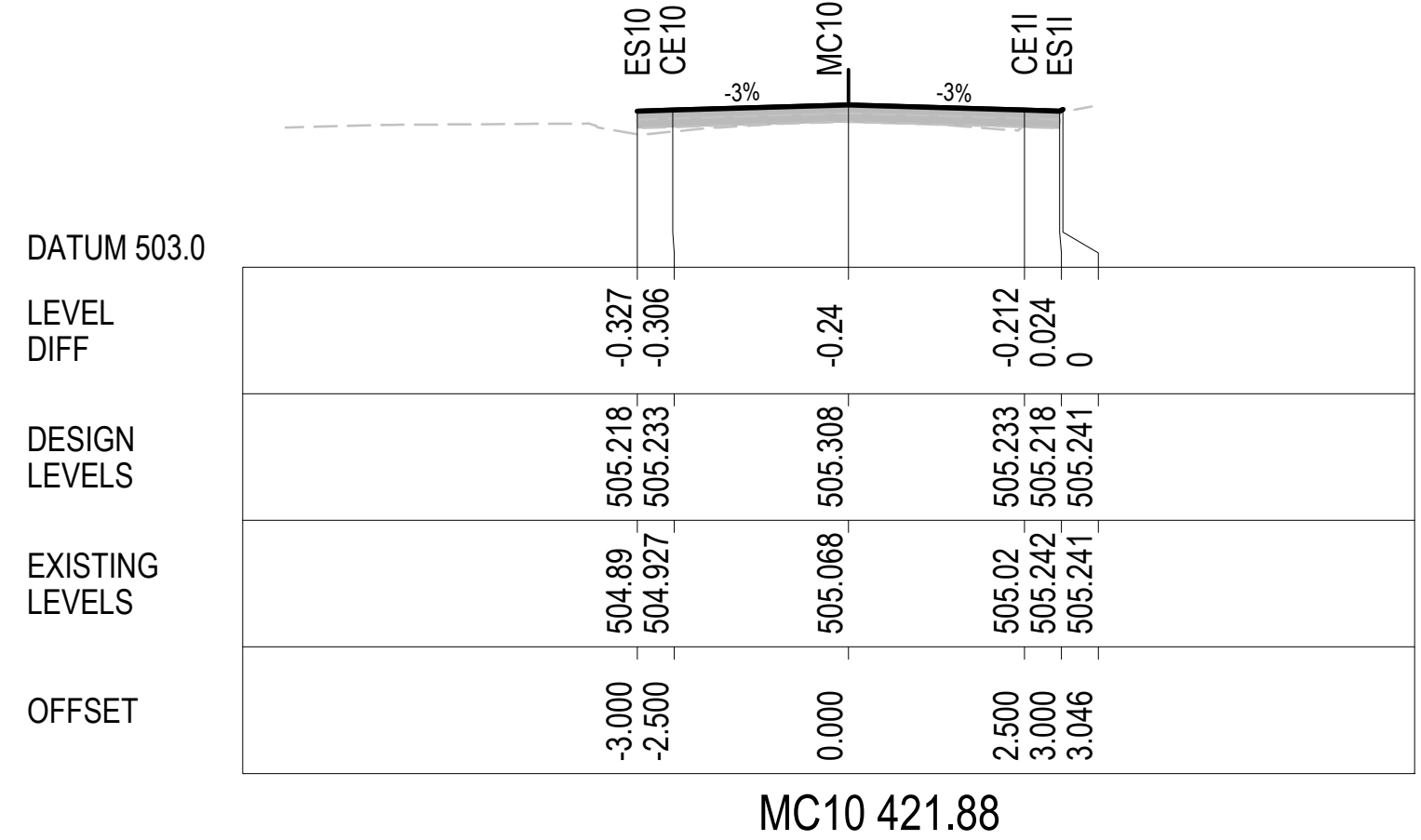
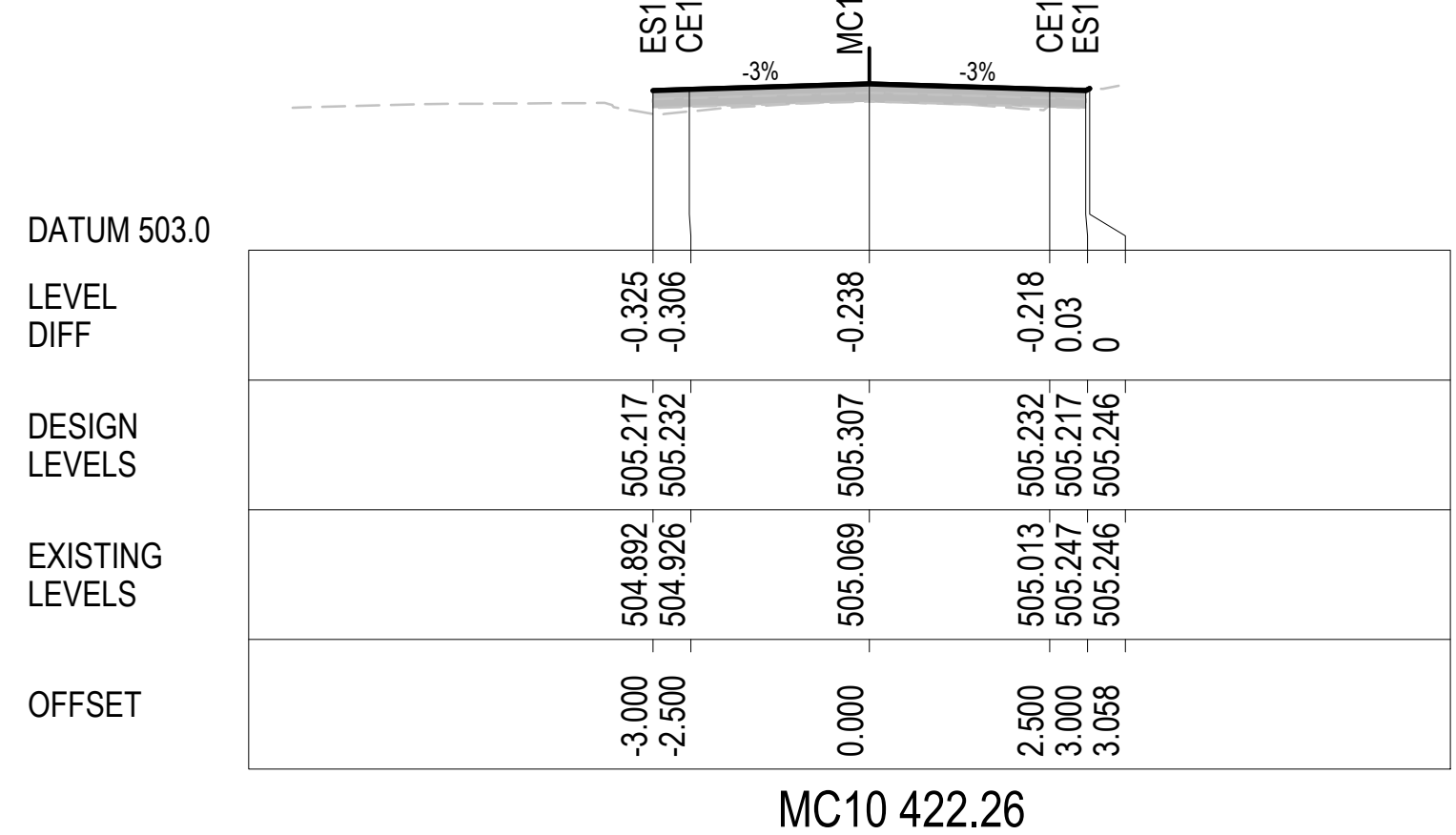
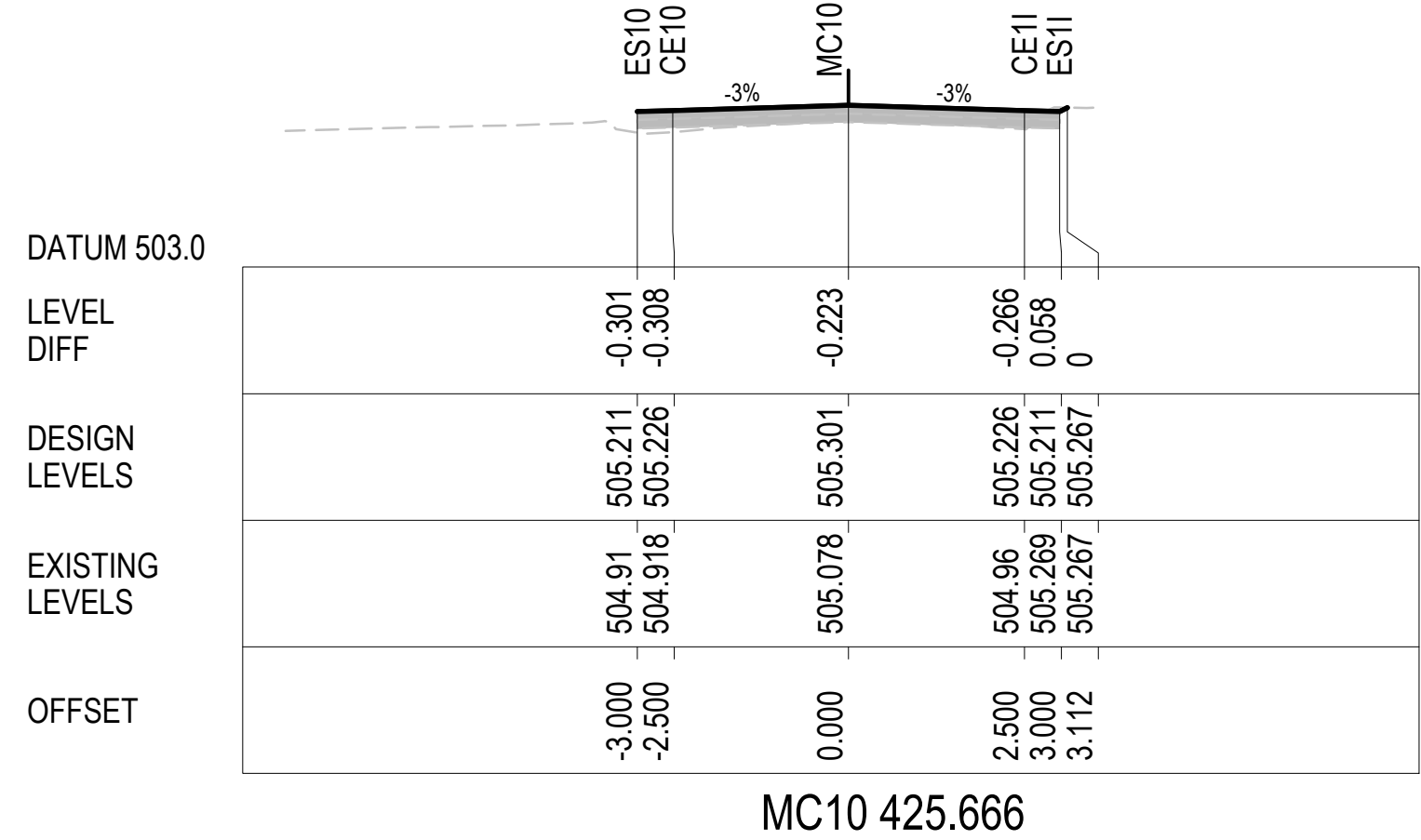
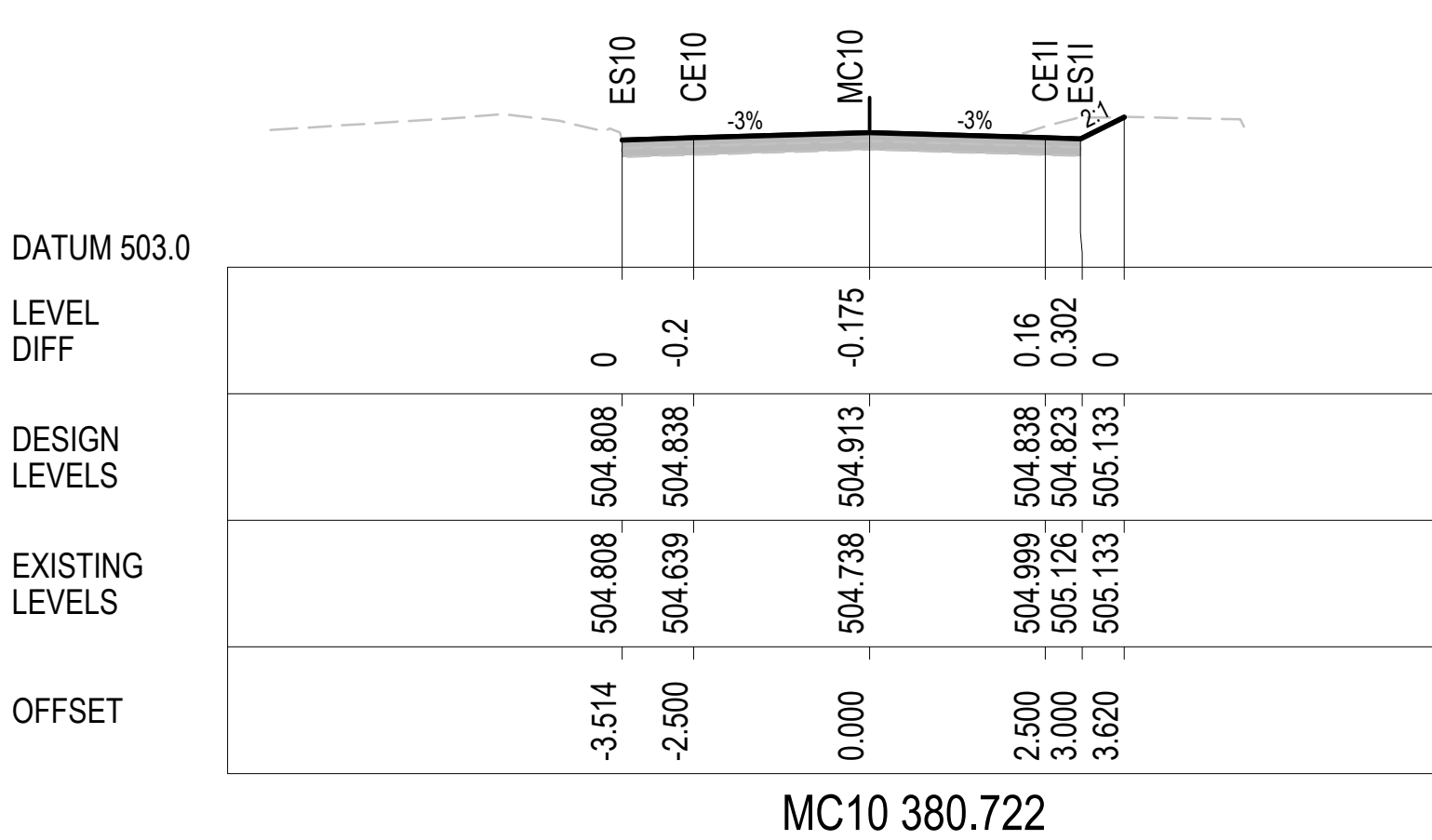
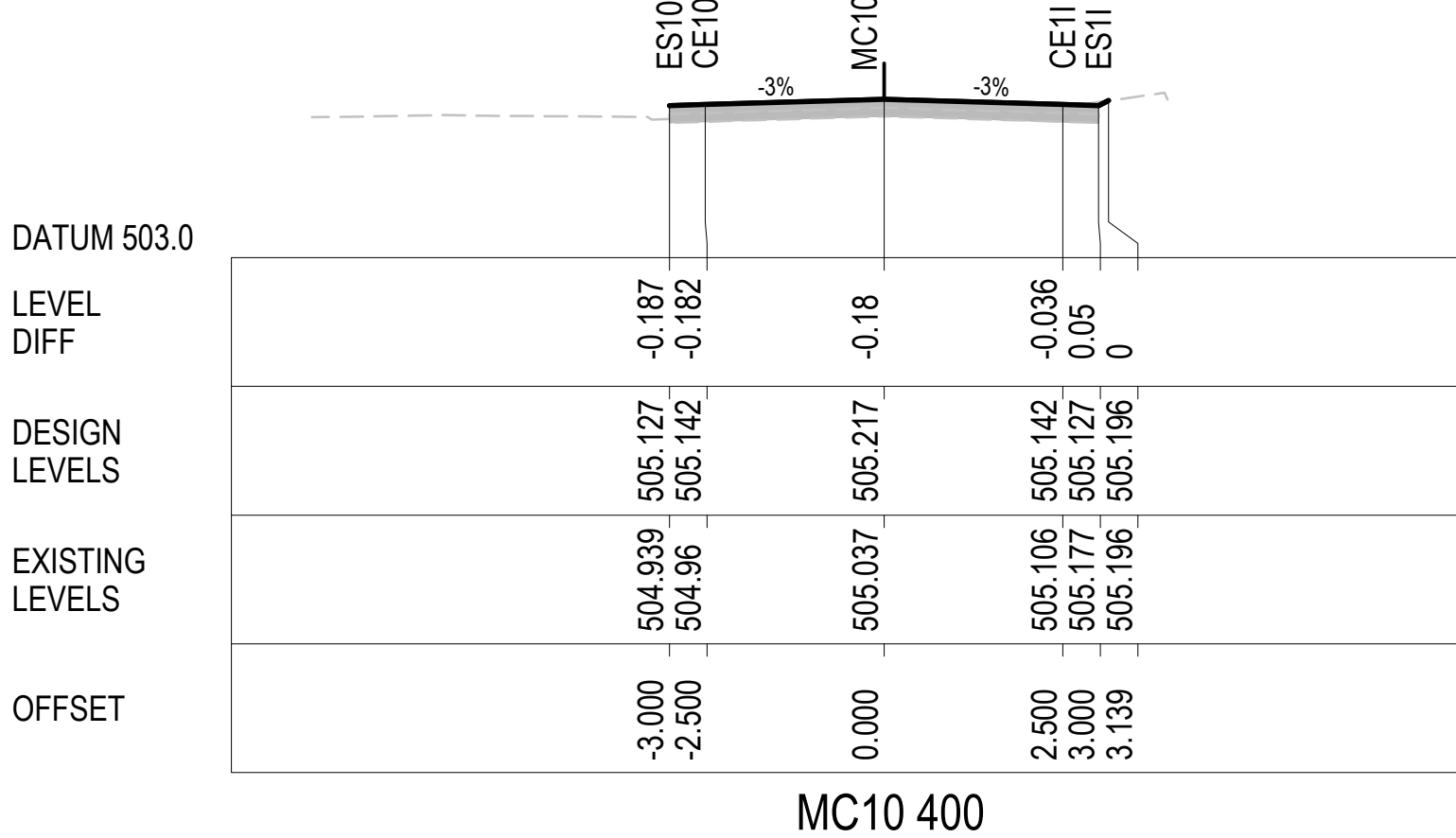
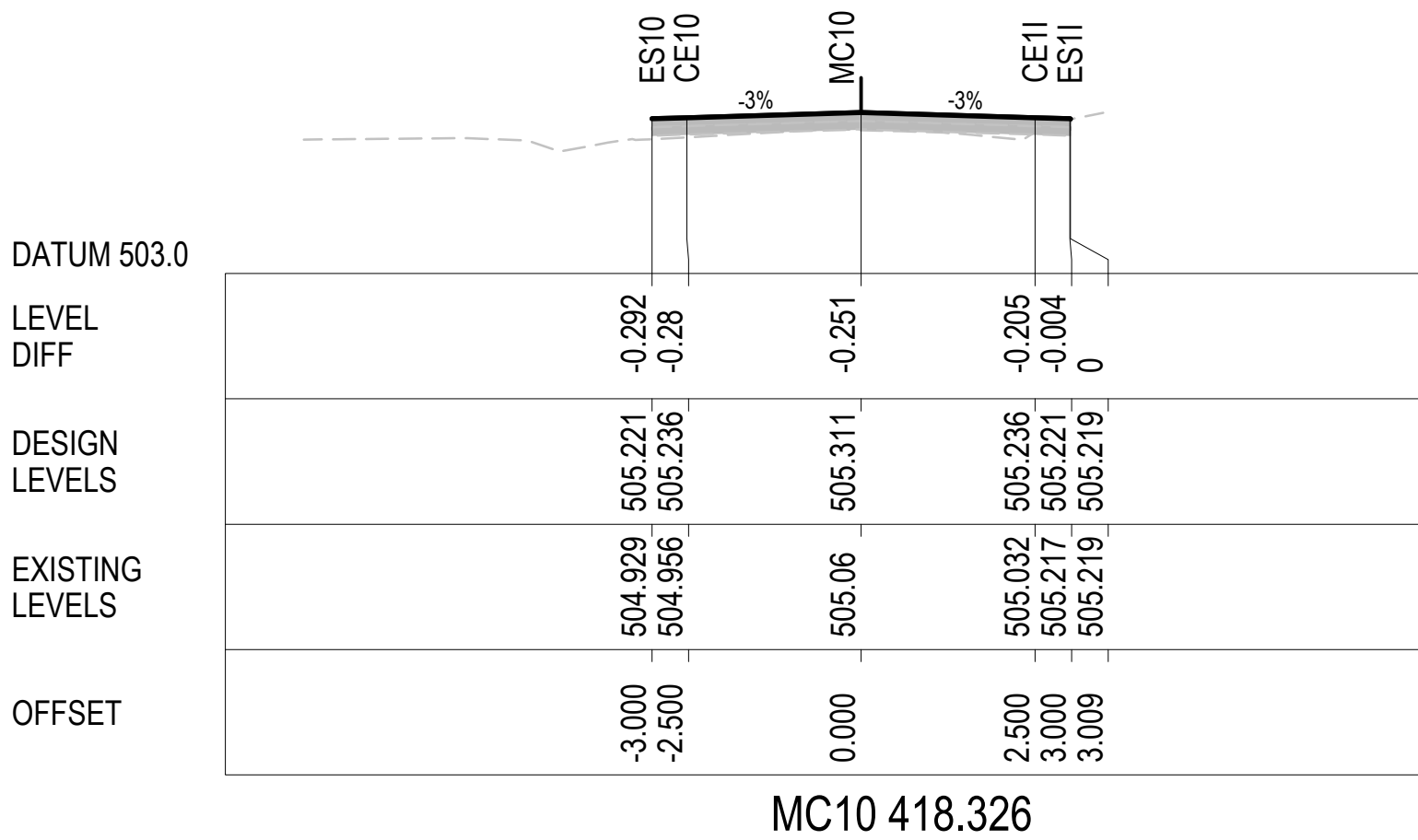
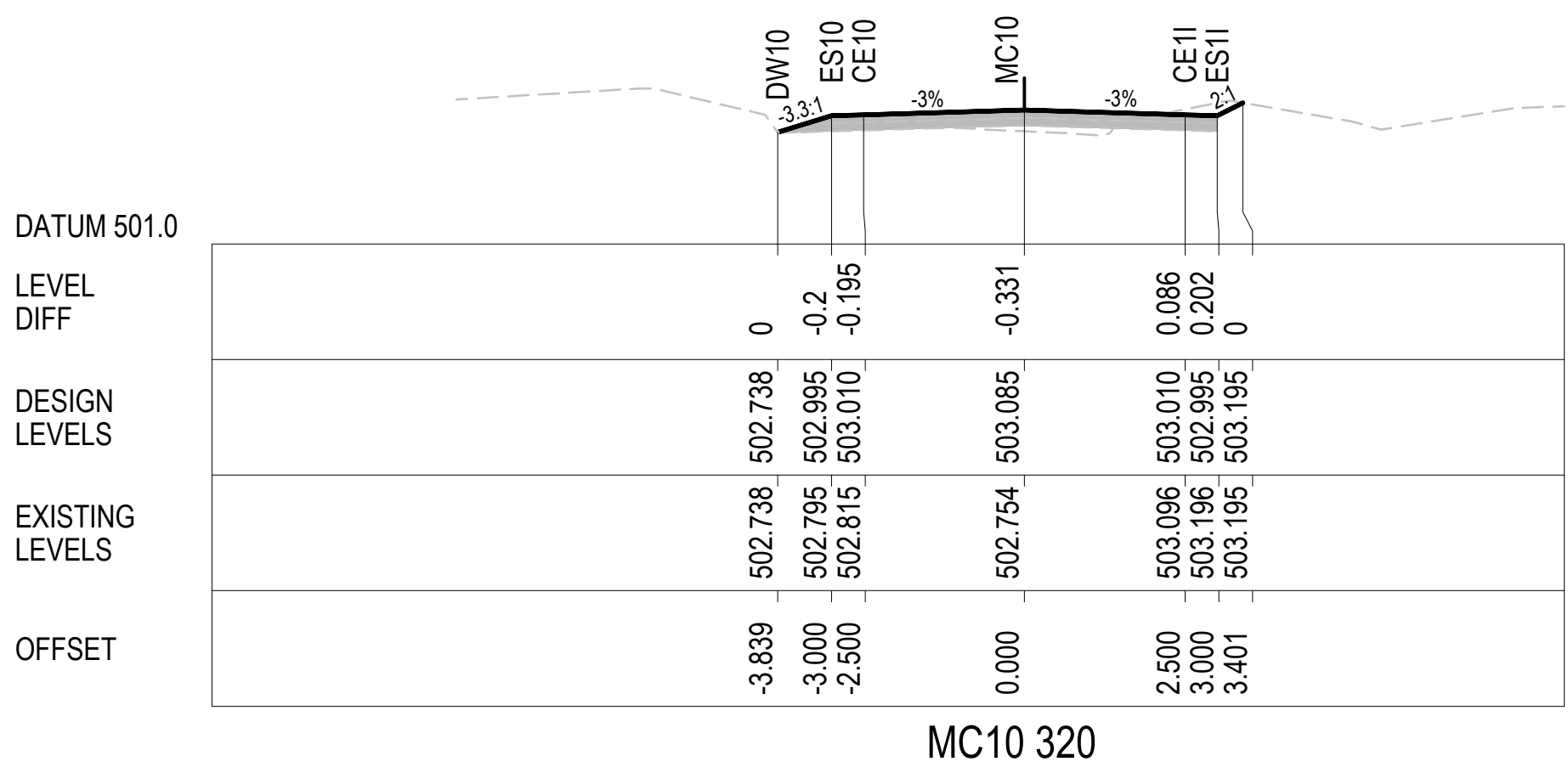
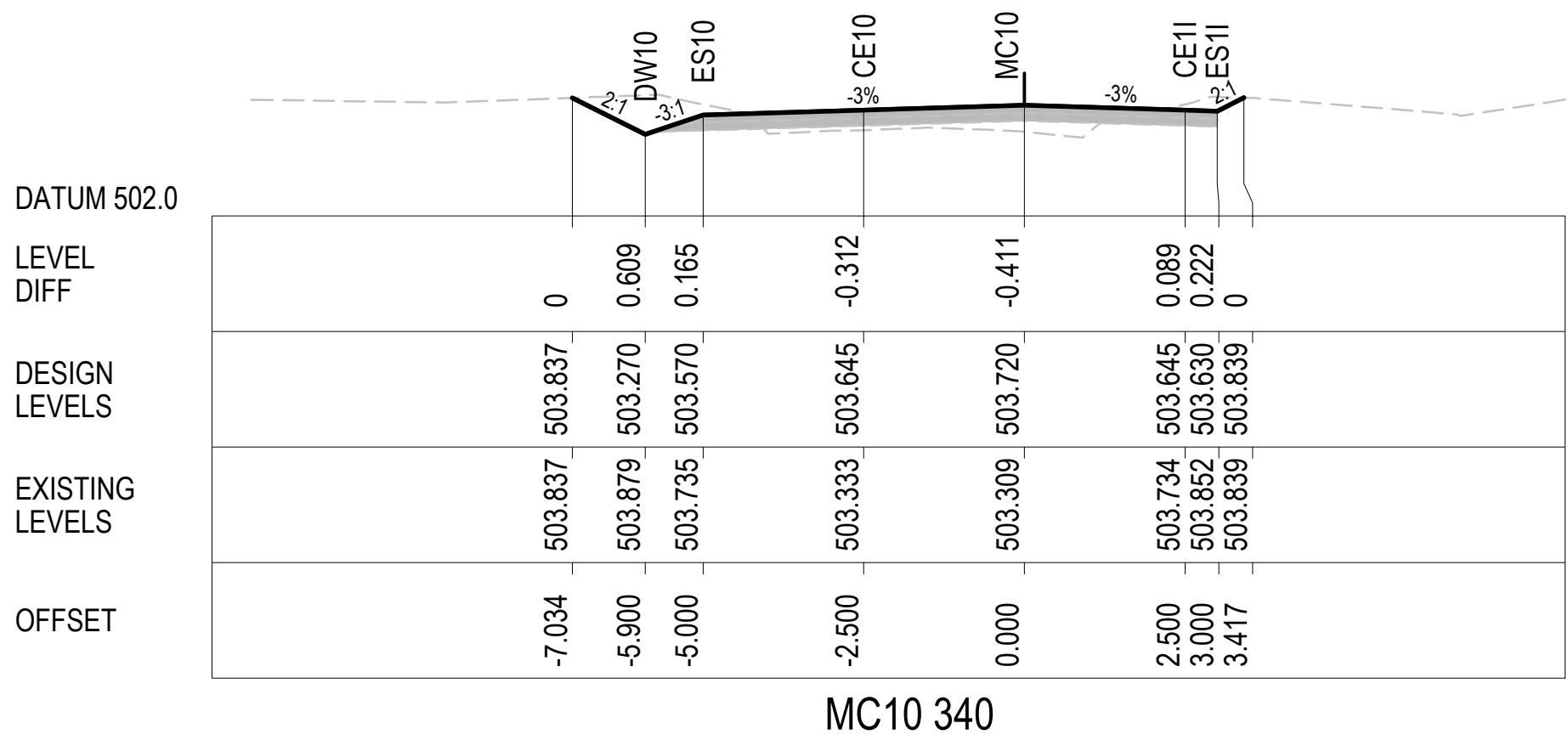
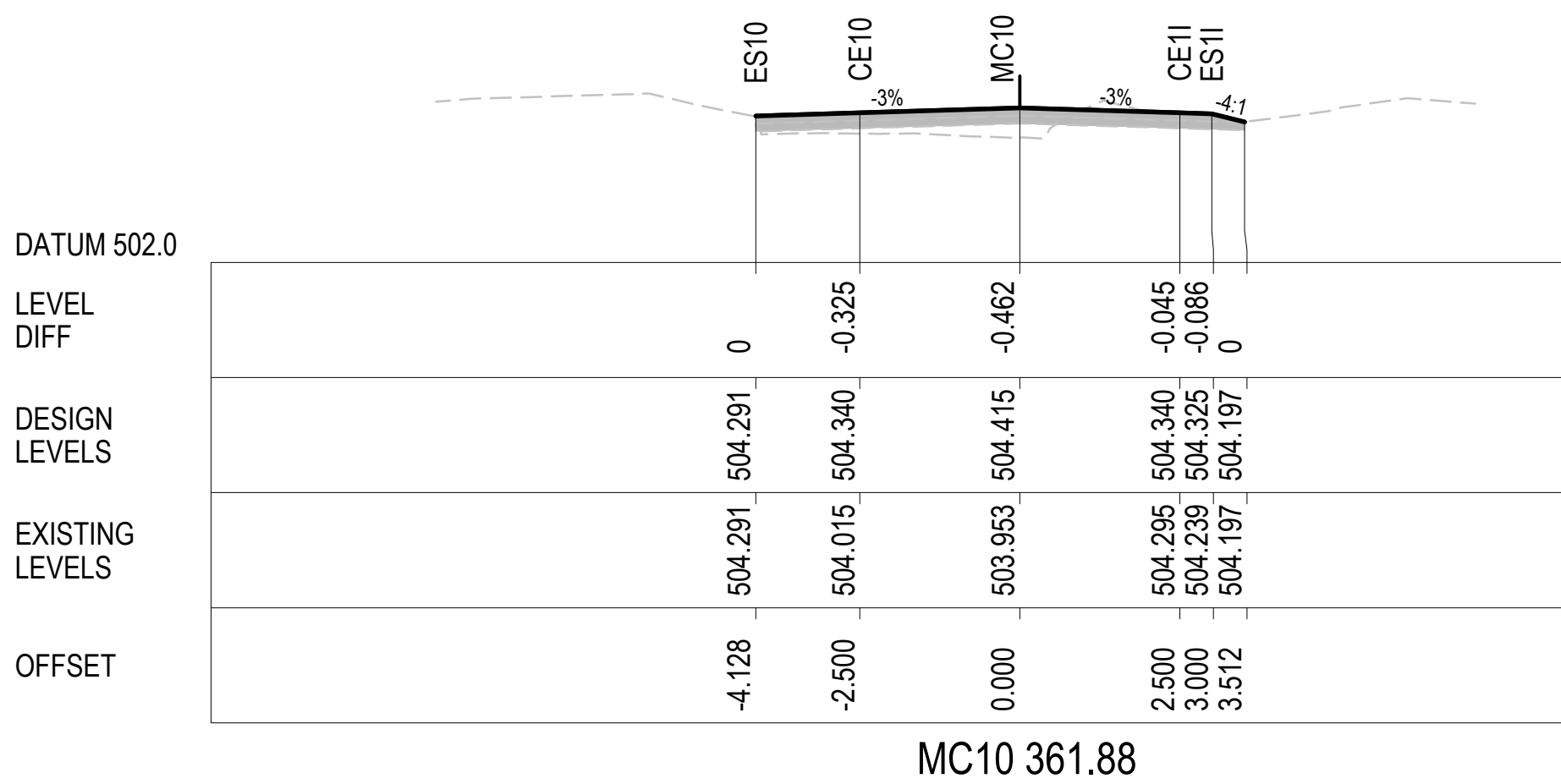


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| Drawn<br>G.J.    | Date<br>23/12/2016 | Client<br>GOLDWIND AUSTRALIA                                                             |
| Checked<br>J.H.  | Date<br>23/12/2016 | Project<br>YASS VALLEY WIND FARM                                                         |
| Designed<br>RIC  | Date<br>23/12/2016 | ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS |
| Verified<br>J.H. | Date<br>23/12/2016 | Title<br>CROSS SECTIONS<br>WHITEFIELDS RD (MC10) - SHEET 2 OF 10                         |
| Approved<br>M.P. | Date<br>23/12/2016 | Status<br>FOR APPROVAL<br>NOT TO BE USED FOR CONSTRUCTION PURPOSES                       |
|                  |                    | DATUM<br>AHD                                                                             |
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|                  |                    | Drawing Number<br>50517019 - C31                                                         |
|                  |                    | Revision<br>4                                                                            |

DATE PLOTTED: 6 November 2018 4:45 PM BY: PHILLIP JEWELL

XREFs: XS-MC10

CAD File: N:\Projects\50517019\_YASS VALLEY WIND FARM\Drawings\Build\50517019-C32-C37-XS.dwg



| Rev. | Date       | Description                          | Des.   | Verif. | Appd.  |
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| 4    | 6/11/2018  | ROAD RE-ALIGNMENT                    | P.D.J. | RIC    |        |
| 4    | 25/10/2018 | ROAD RE-ALIGNMENT                    | P.D.J. | RIC    | S.A.S. |
| 3    | 17/05/2017 | AMENDED DRAWING CROSS-SECTION 3 OF 8 | G.J.   | RIC    | J.H.   |
| 2    | 17/03/2017 | FINAL SUBMISSION                     | G.J.   | RIC    | J.H.   |
| 1    | 23/12/2016 | 90% DOCUMENTATION                    | G.J.   | RIC    | J.H.   |



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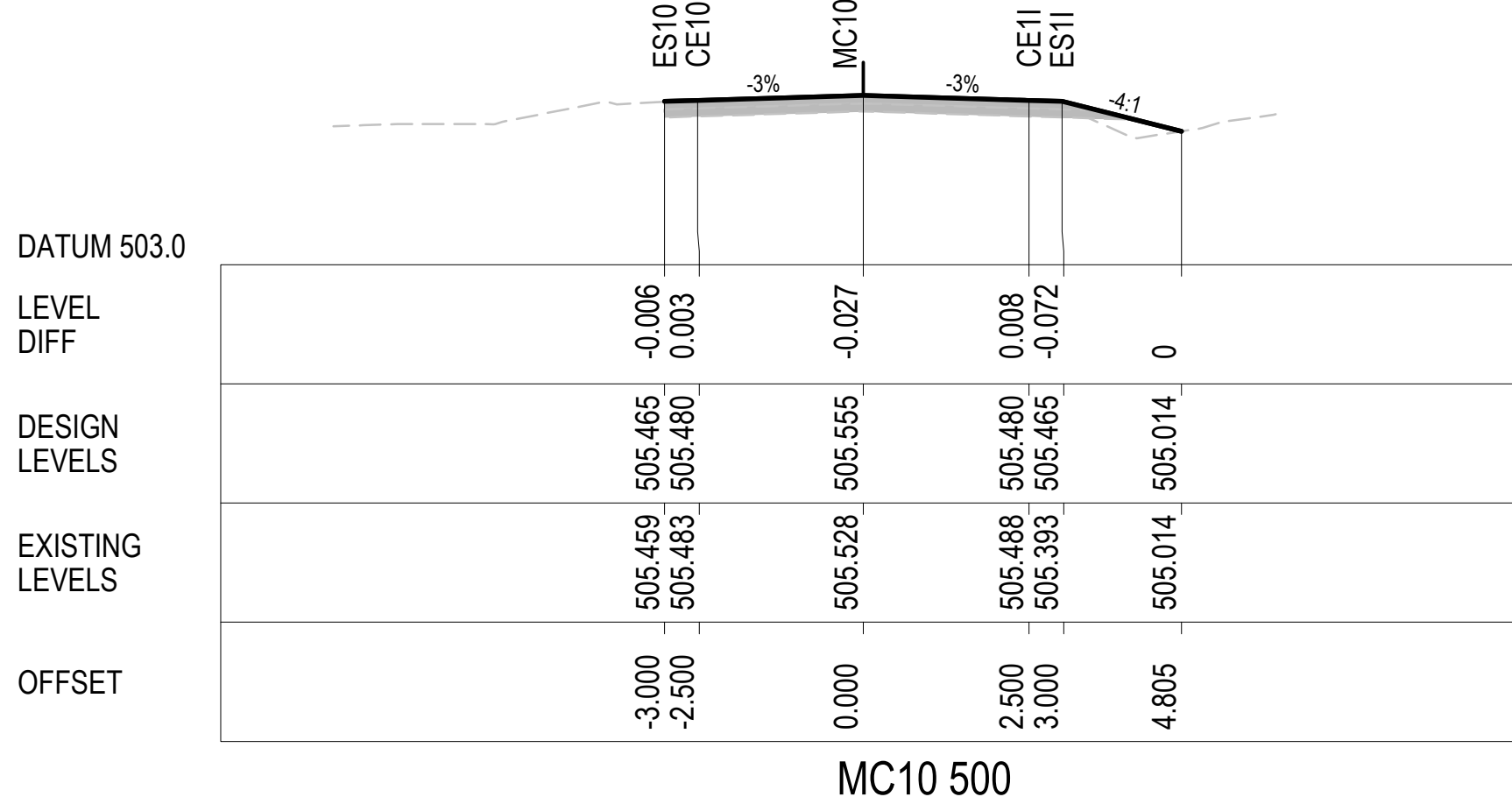
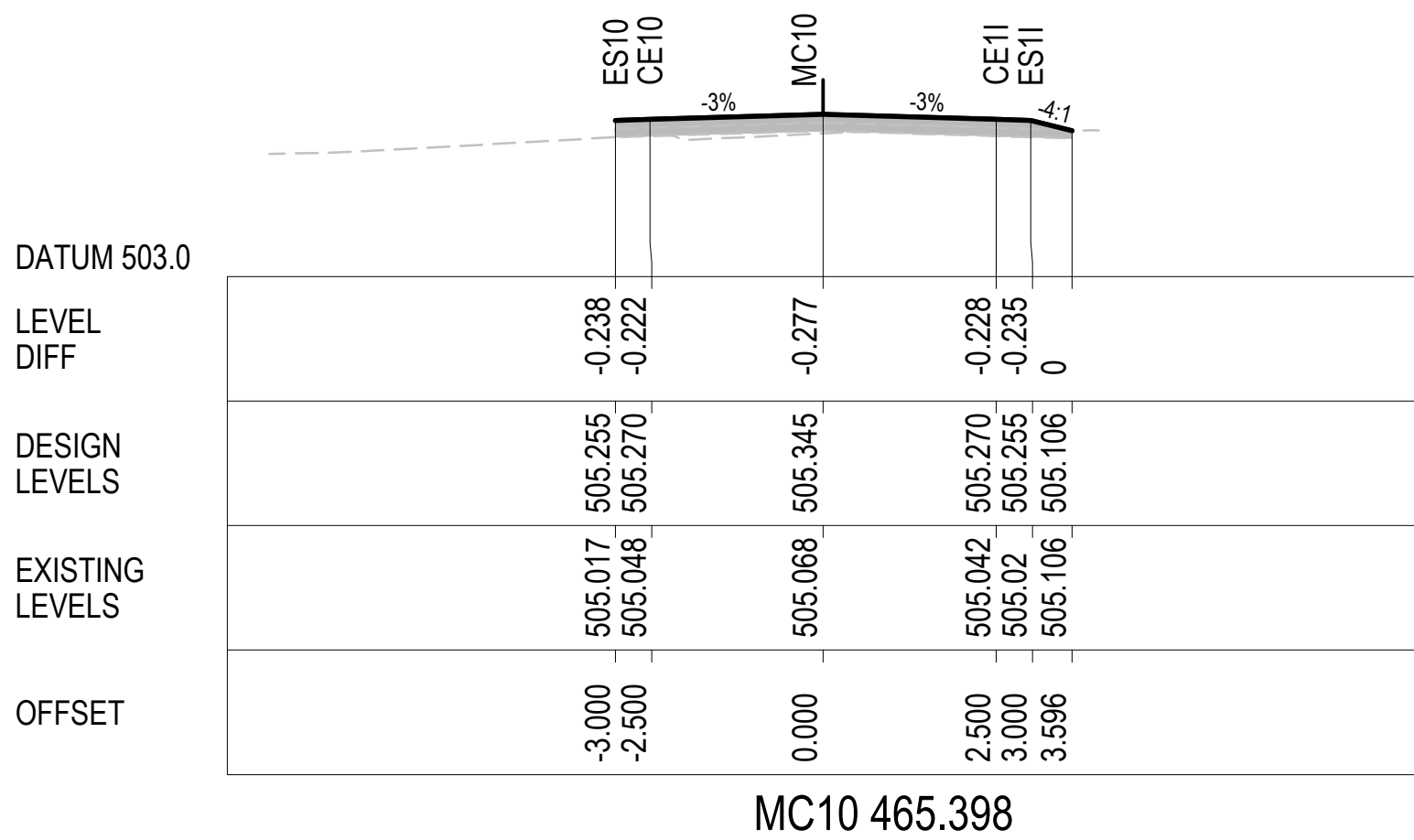
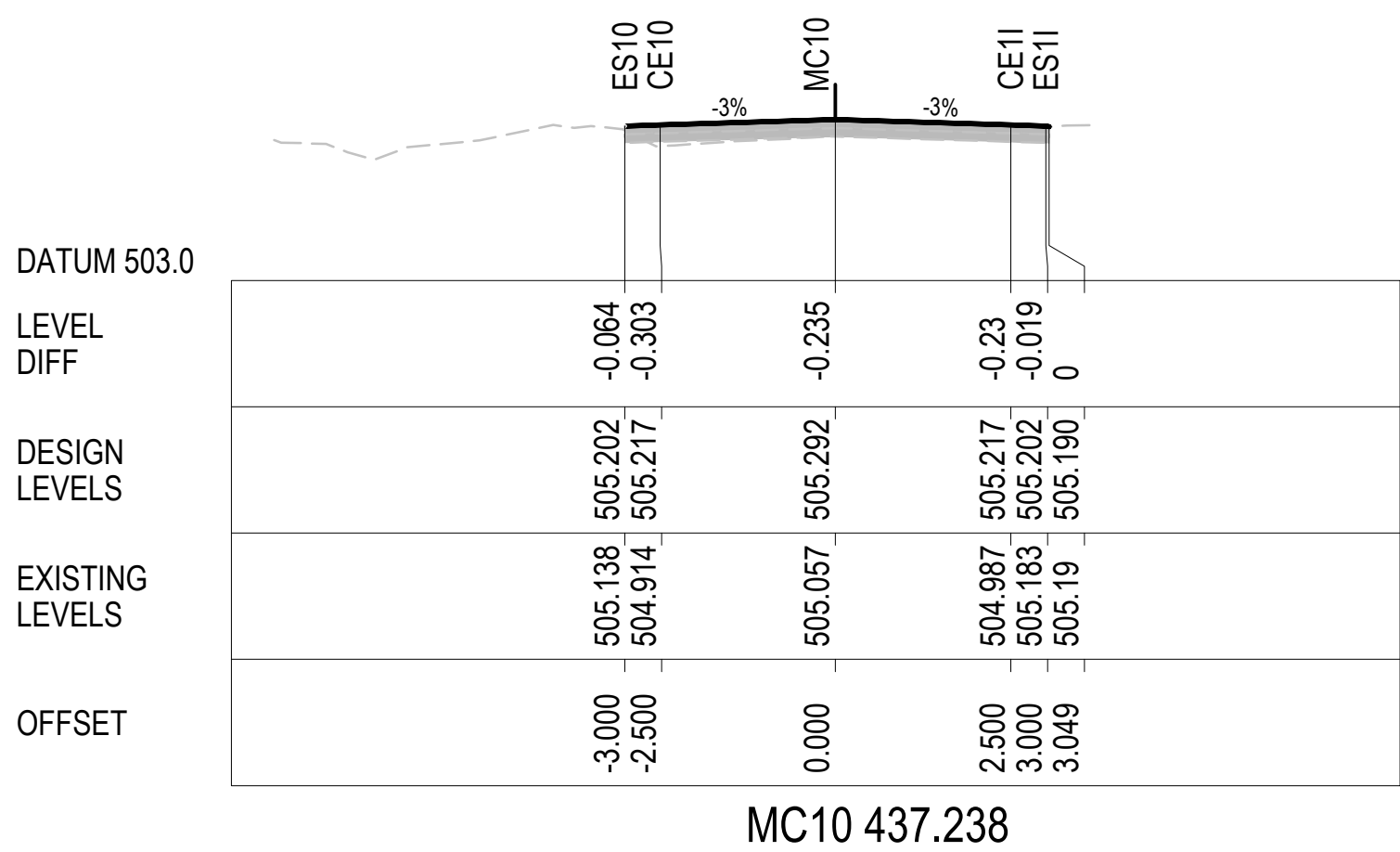
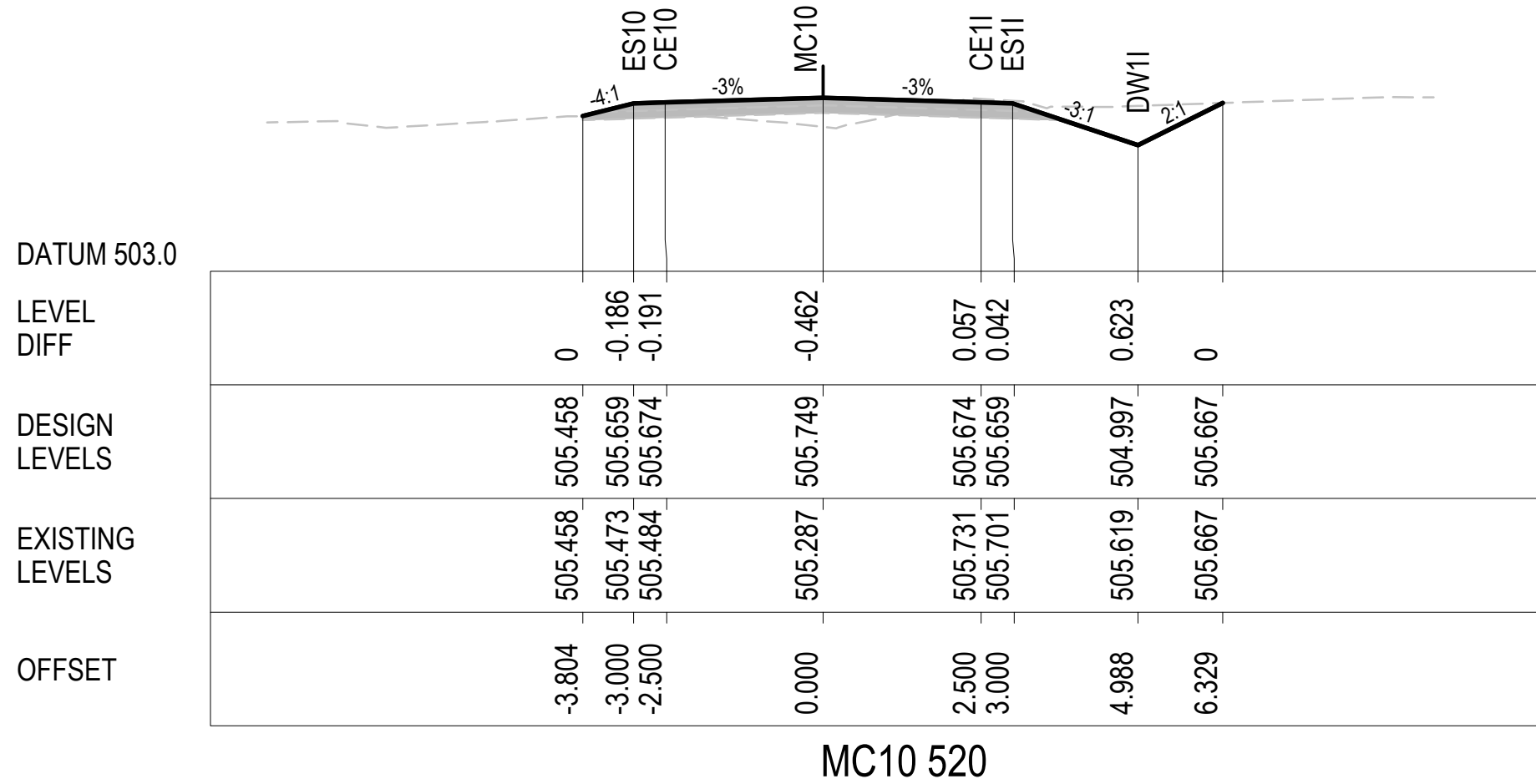
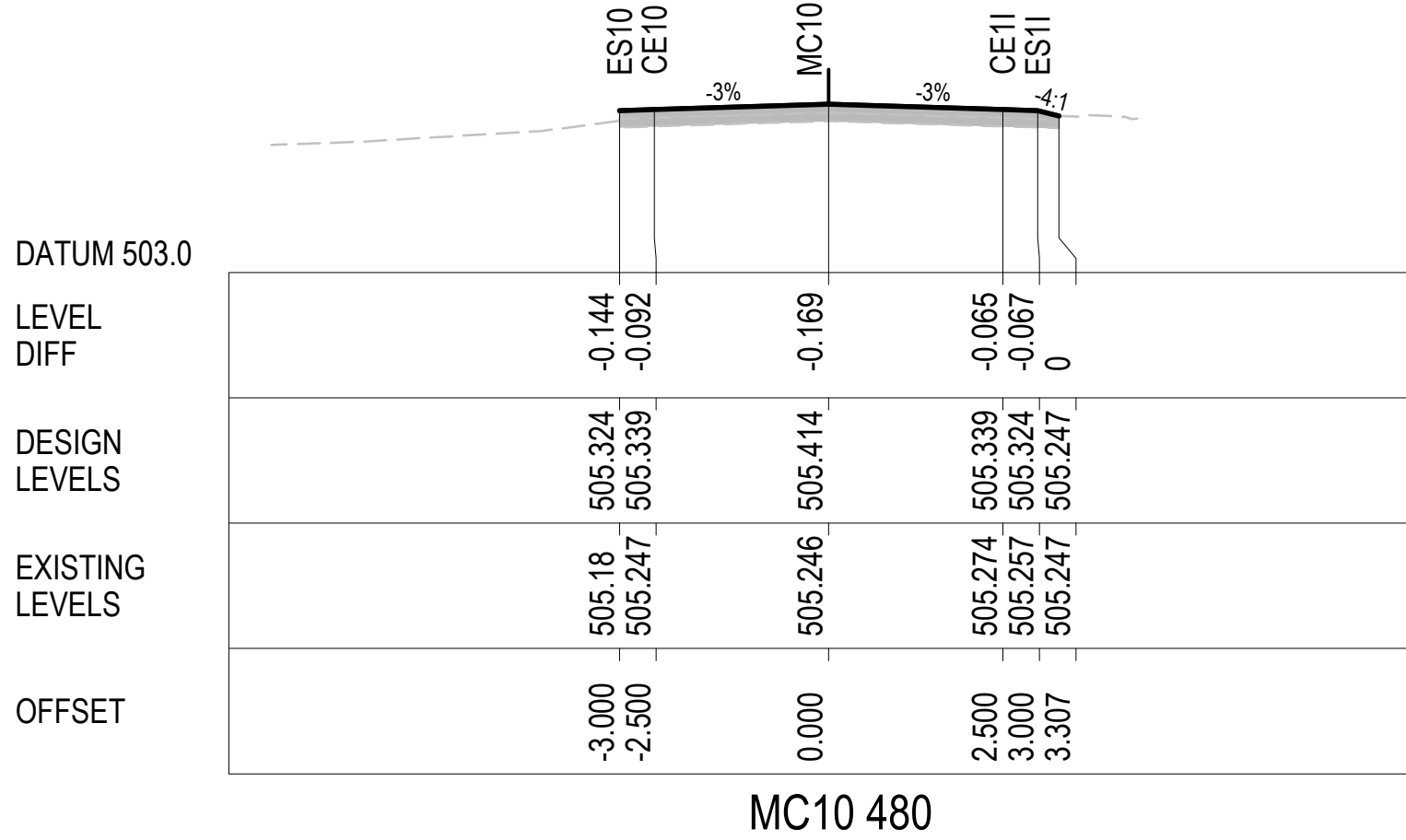
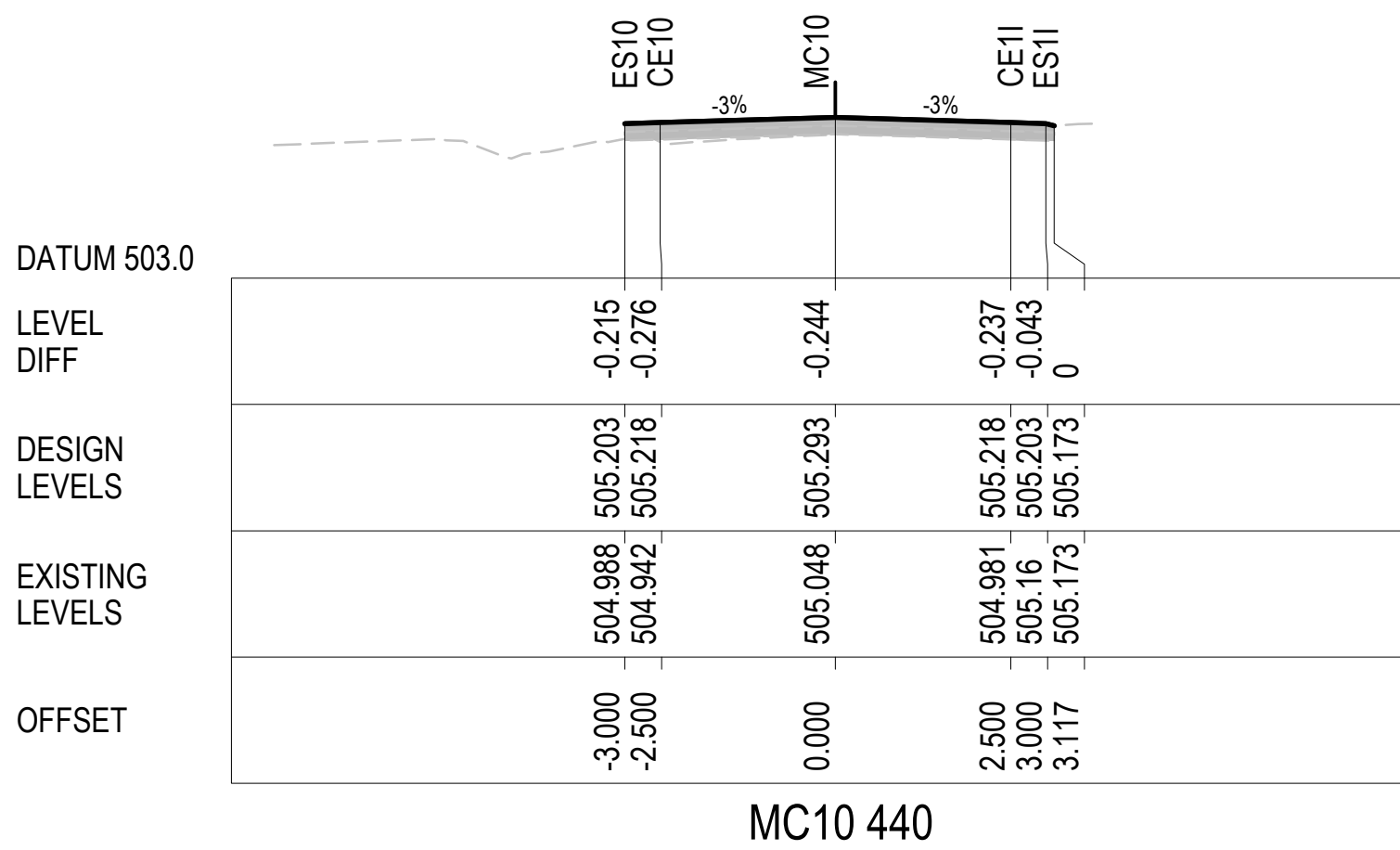
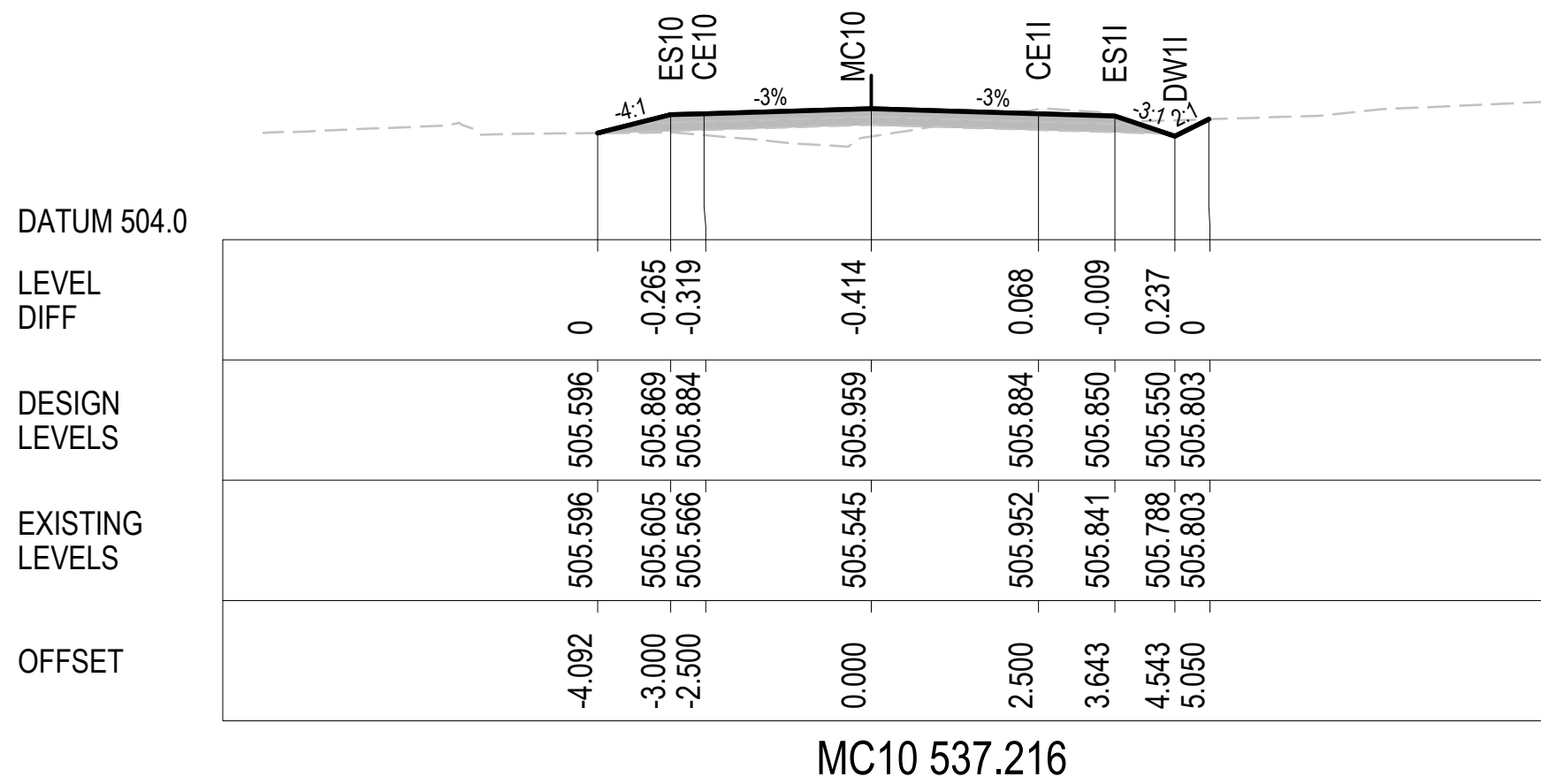
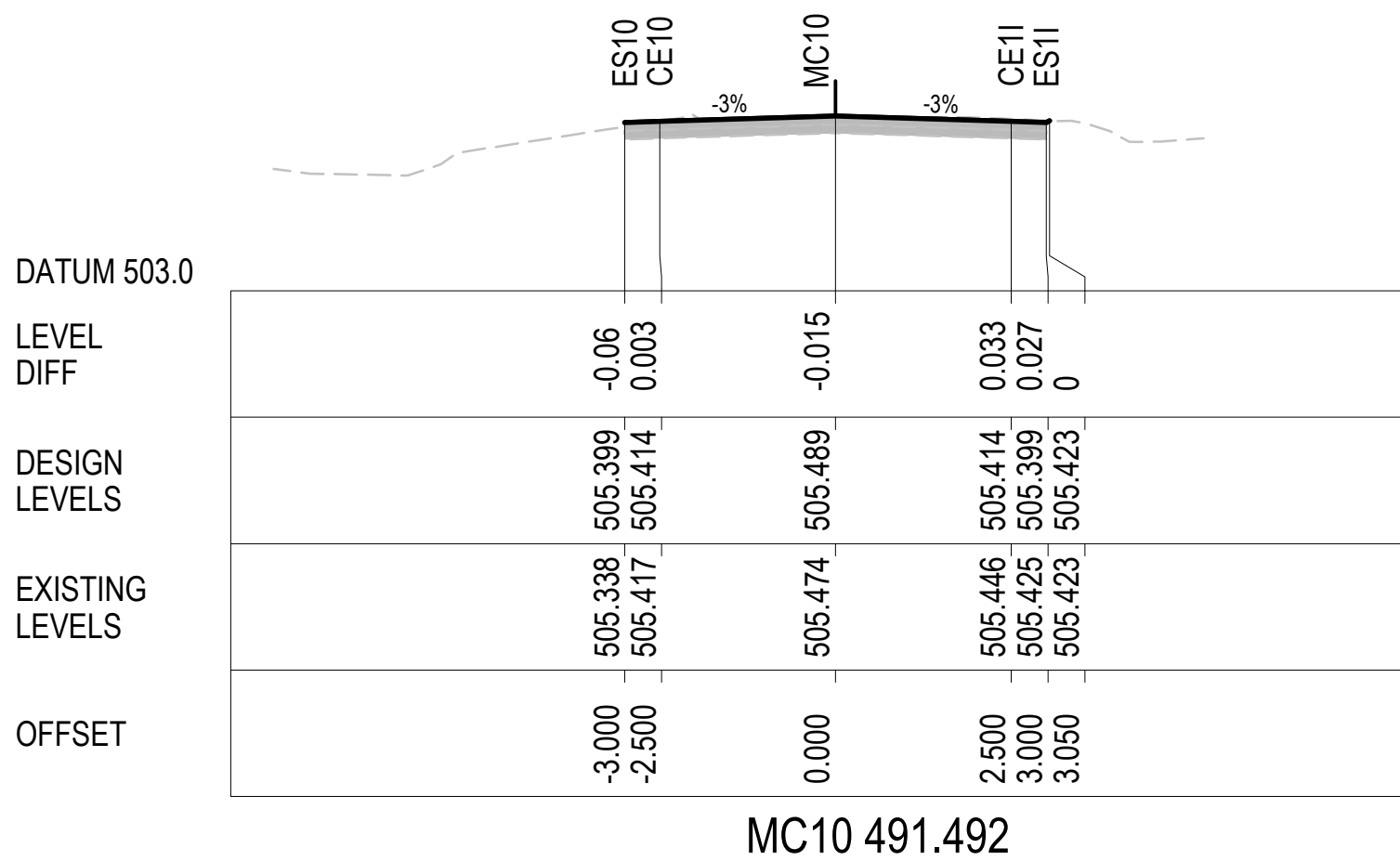
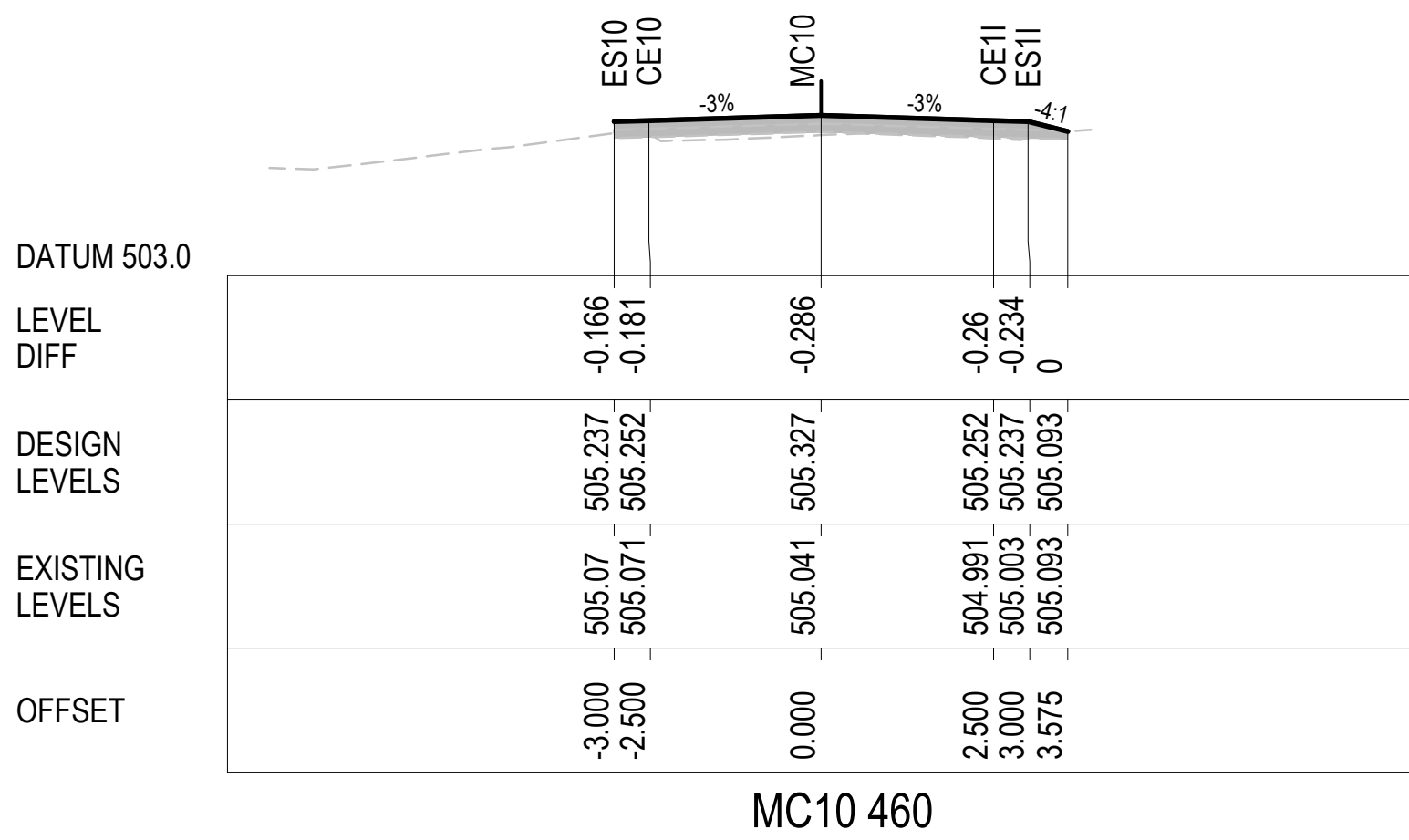


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| Drawn<br>G.J.    | Date<br>23/12/2016 | Client<br>GOLDWIND AUSTRALIA                                                             |
| Checked<br>J.H.  | Date<br>23/12/2016 | Project<br>YASS VALLEY WIND FARM                                                         |
| Designed<br>RIC  | Date<br>23/12/2016 | ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS |
| Verified<br>J.H. | Date<br>23/12/2016 | Title<br>CROSS SECTIONS<br>WHITEFIELDS RD (MC10) - SHEET 3 OF 10                         |
| Approved<br>M.P. | Date<br>23/12/2016 | Status<br>FOR APPROVAL<br>NOT TO BE USED FOR CONSTRUCTION PURPOSES                       |
|                  |                    | DATUM<br>AHD                                                                             |
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|                  |                    | Drawing Number<br>50517019 - C32                                                         |
|                  |                    | Revision<br>4                                                                            |

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|      |            |                                      |        |        |        |
| 4    | 6/11/2018  | ROAD RE-ALIGNMENT                    | P.D.J. | RIC    |        |
| 4    | 25/10/2018 | ROAD RE-ALIGNMENT                    | P.D.J. | RIC    | S.A.S. |
| 3    | 17/05/2017 | AMENDED DRAWING CROSS-SECTION 4 OF 8 | G.J.   | RIC    | J.H.   |
| 2    | 17/03/2017 | FINAL SUBMISSION                     | G.J.   | RIC    | J.H.   |
| 1    | 23/12/2016 | 90% DOCUMENTATION                    | G.J.   | RIC    | J.H.   |
| Rev. | Date       | Description                          | Des.   | Verif. | Appd.  |



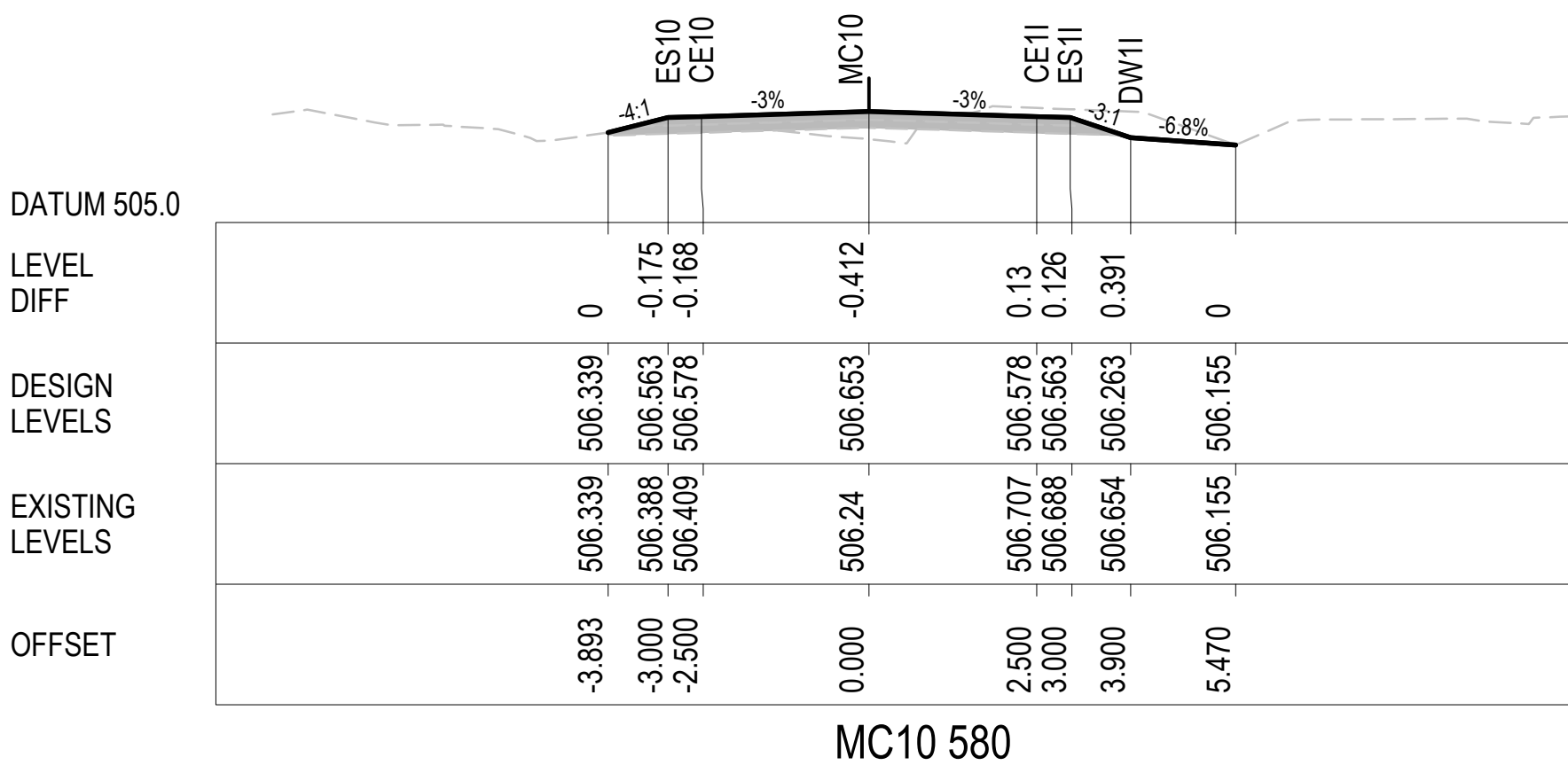
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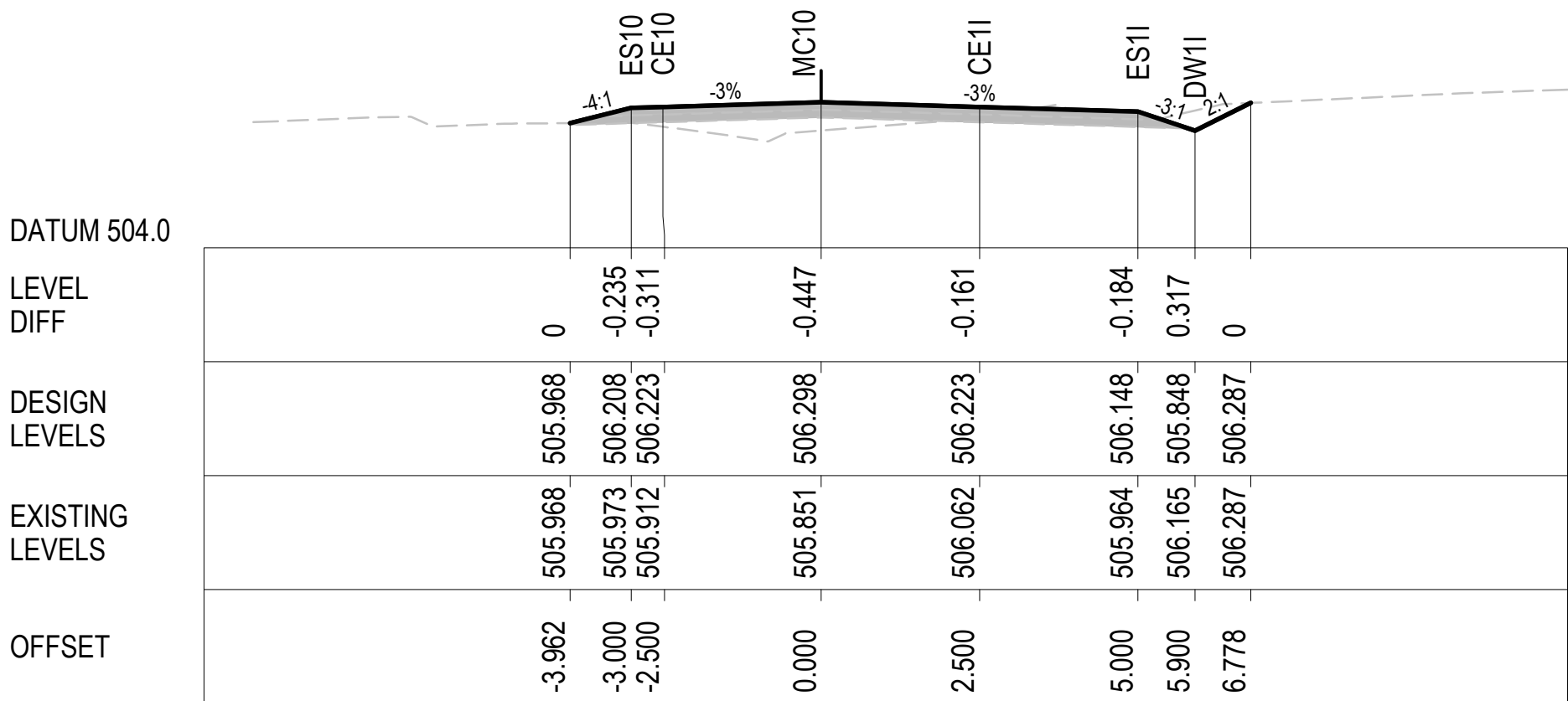


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| Drawn<br>G.J.    | Date<br>23/12/2016 | Client<br>GOLDWIND AUSTRALIA                                                             |
| Checked<br>J.H.  | Date<br>23/12/2016 | Project<br>YASS VALLEY WIND FARM                                                         |
| Designed<br>RIC  | Date<br>23/12/2016 | ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS |
| Verified<br>J.H. | Date<br>23/12/2016 | Title<br>CROSS SECTIONS<br>WHITEFIELDS RD (MC10) - SHEET 4 OF 10                         |
| Approved<br>M.P. | Date<br>23/12/2016 | Status<br>FOR APPROVAL<br>NOT TO BE USED FOR CONSTRUCTION PURPOSES                       |
|                  |                    | DATUM<br>AHD                                                                             |
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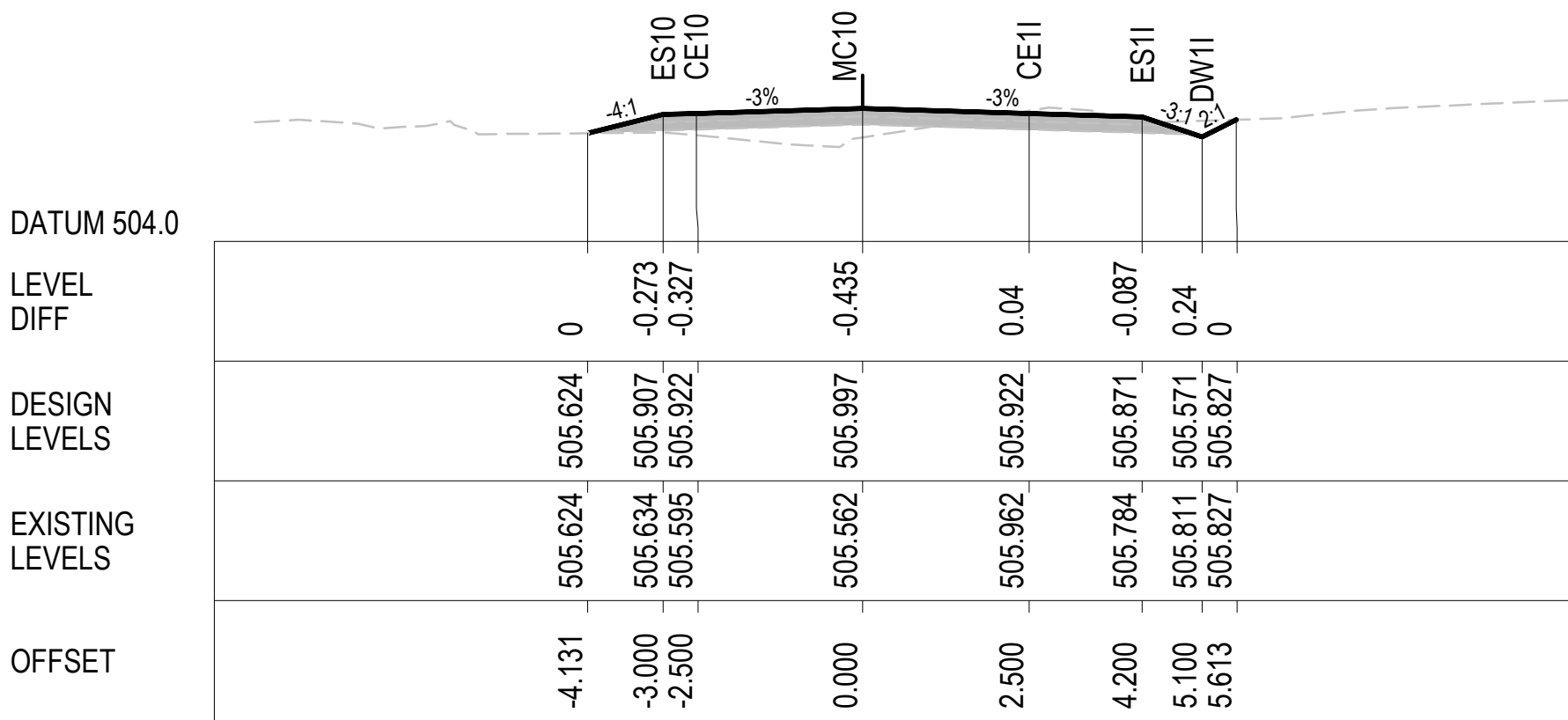
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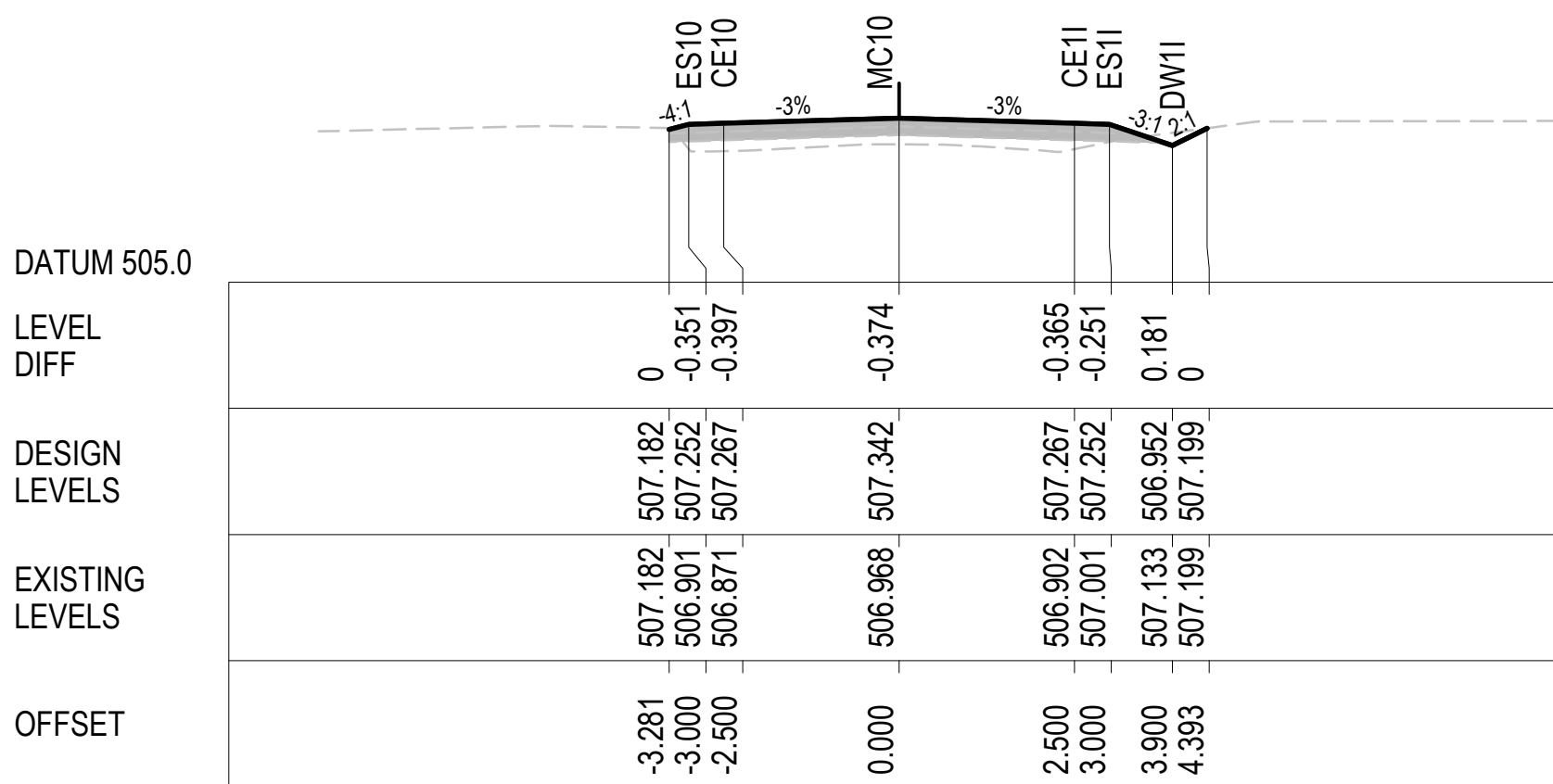
MC10 580



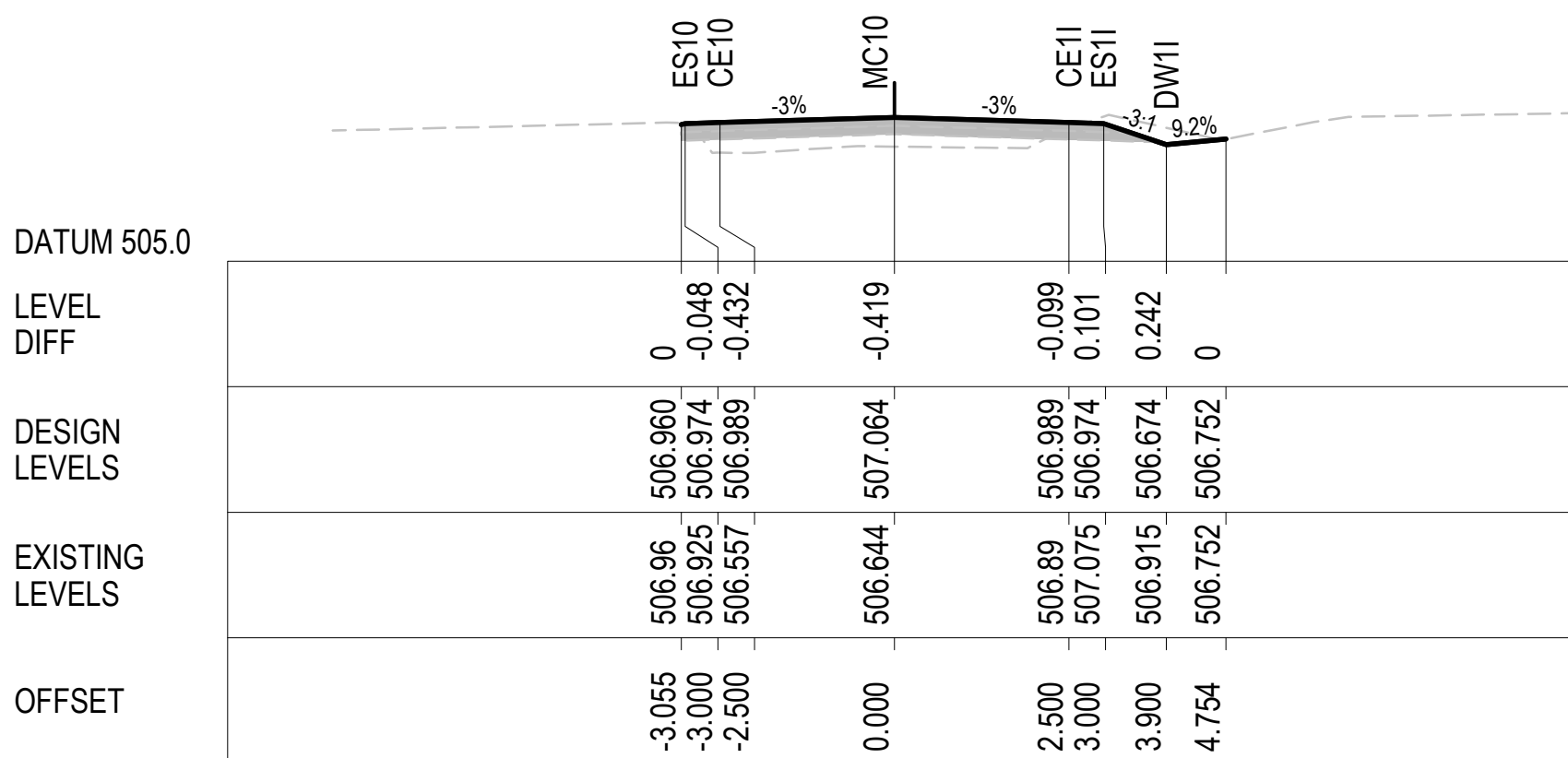
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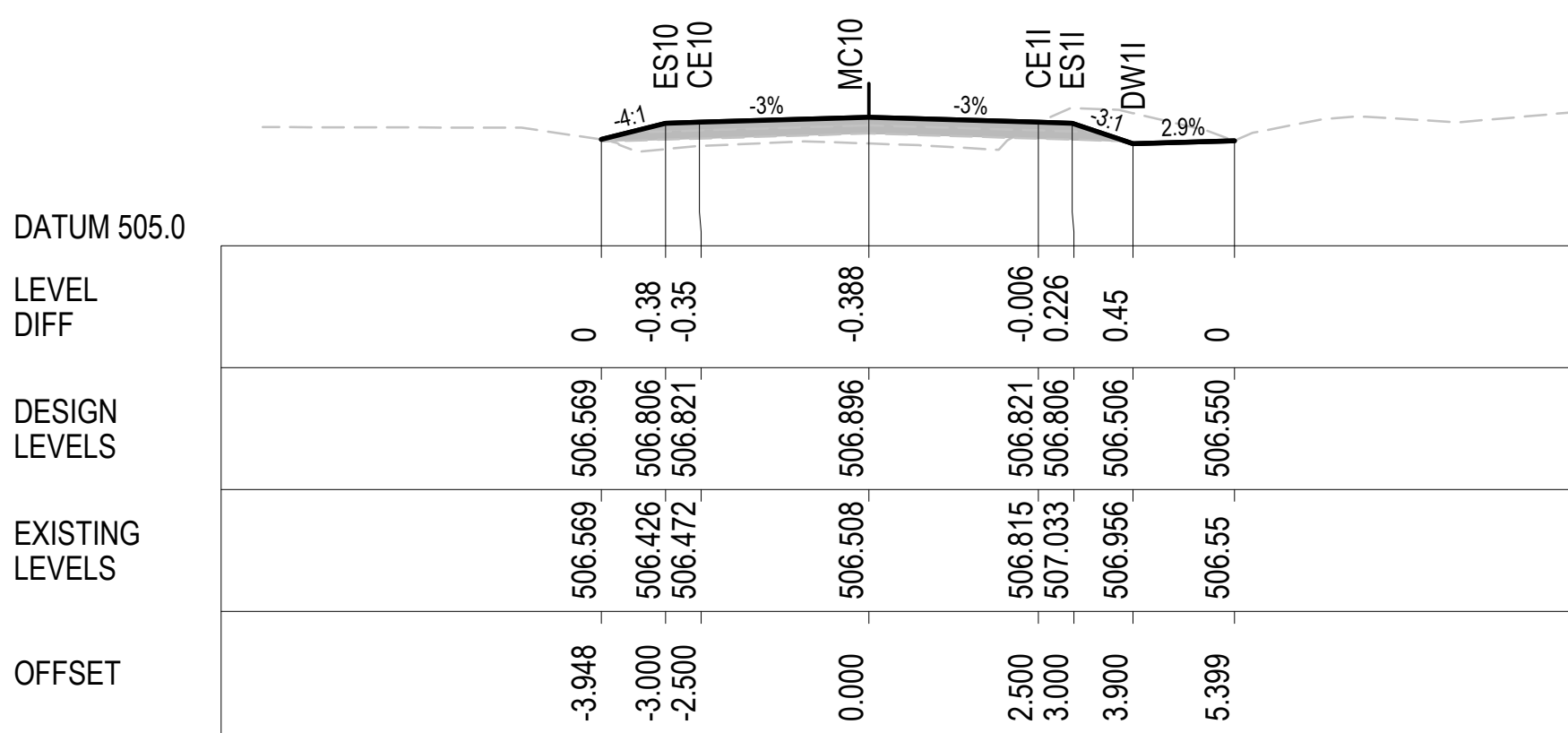
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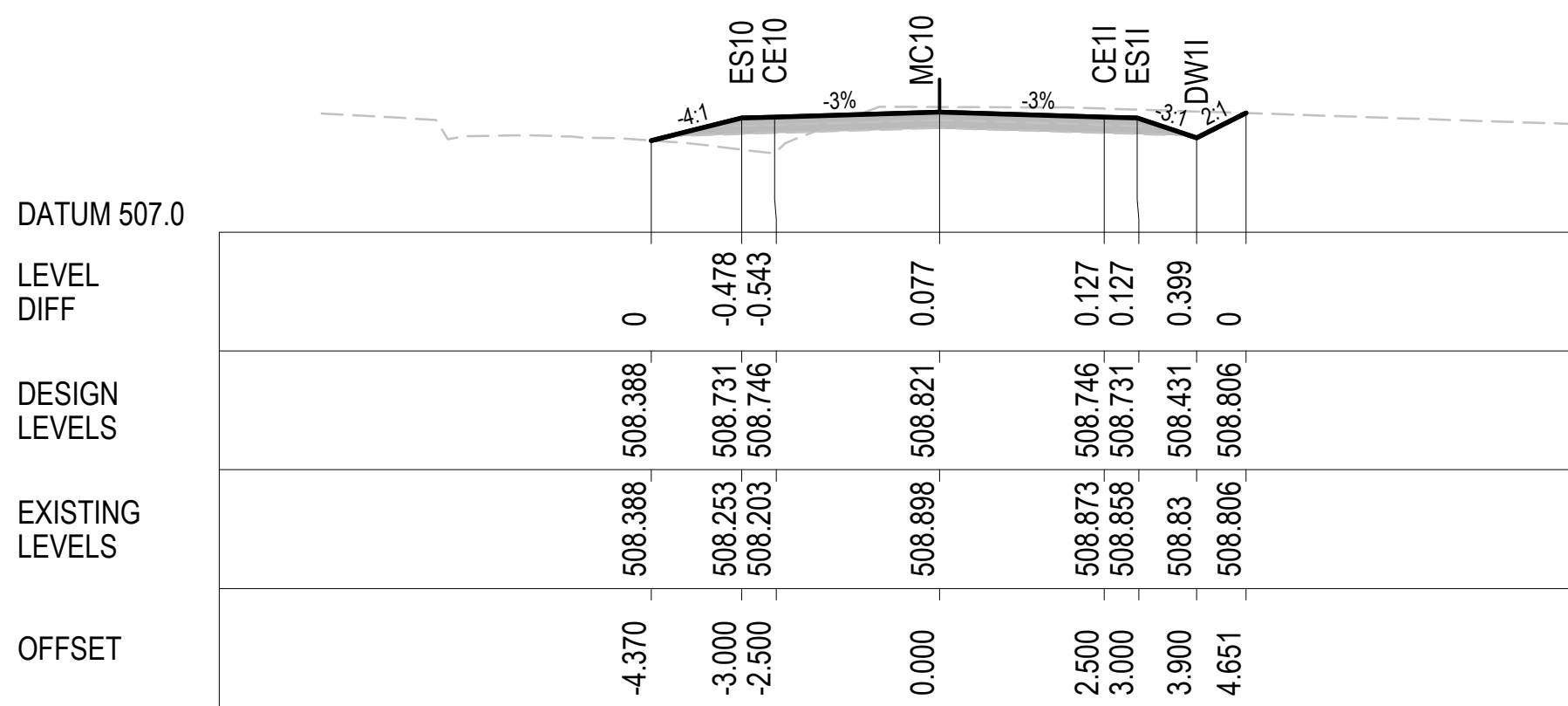
MC10 611.719



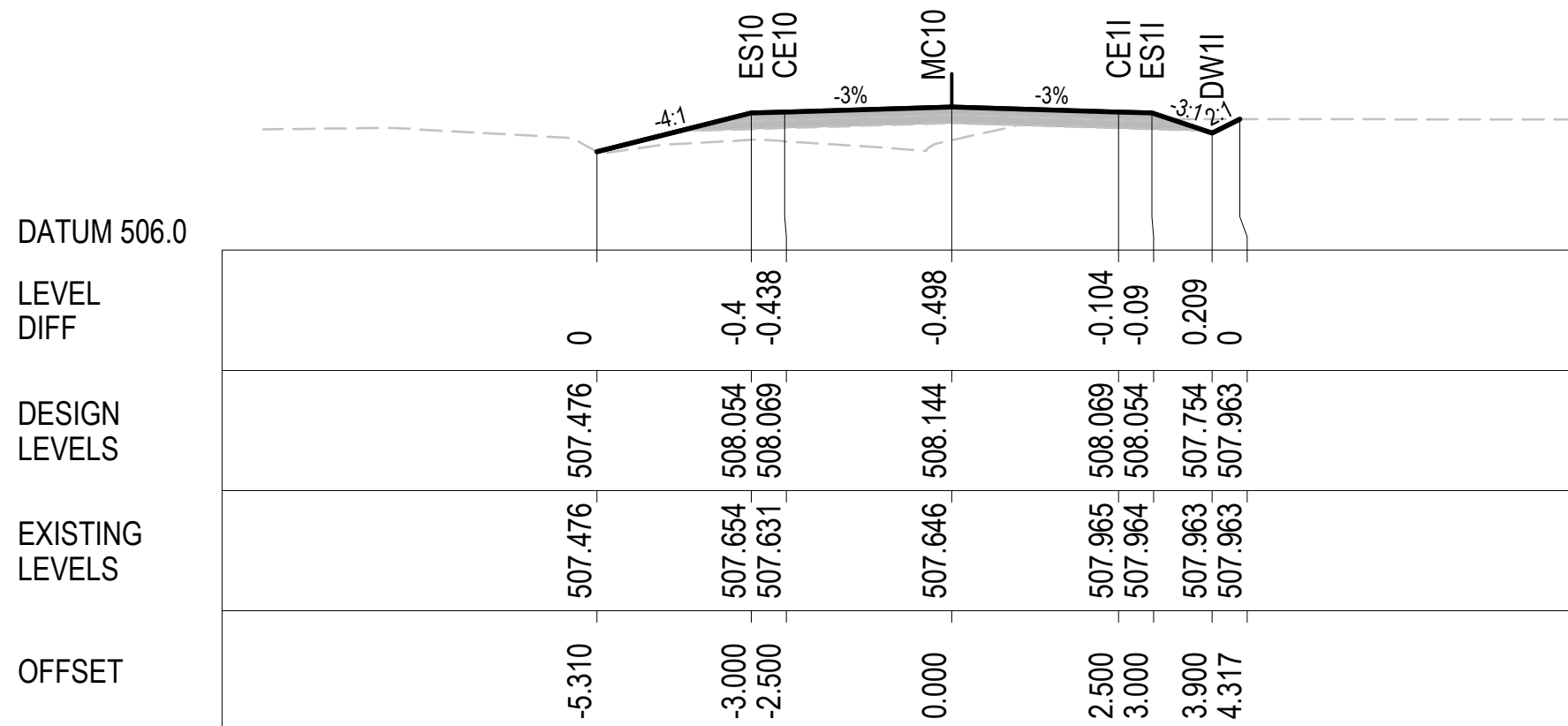
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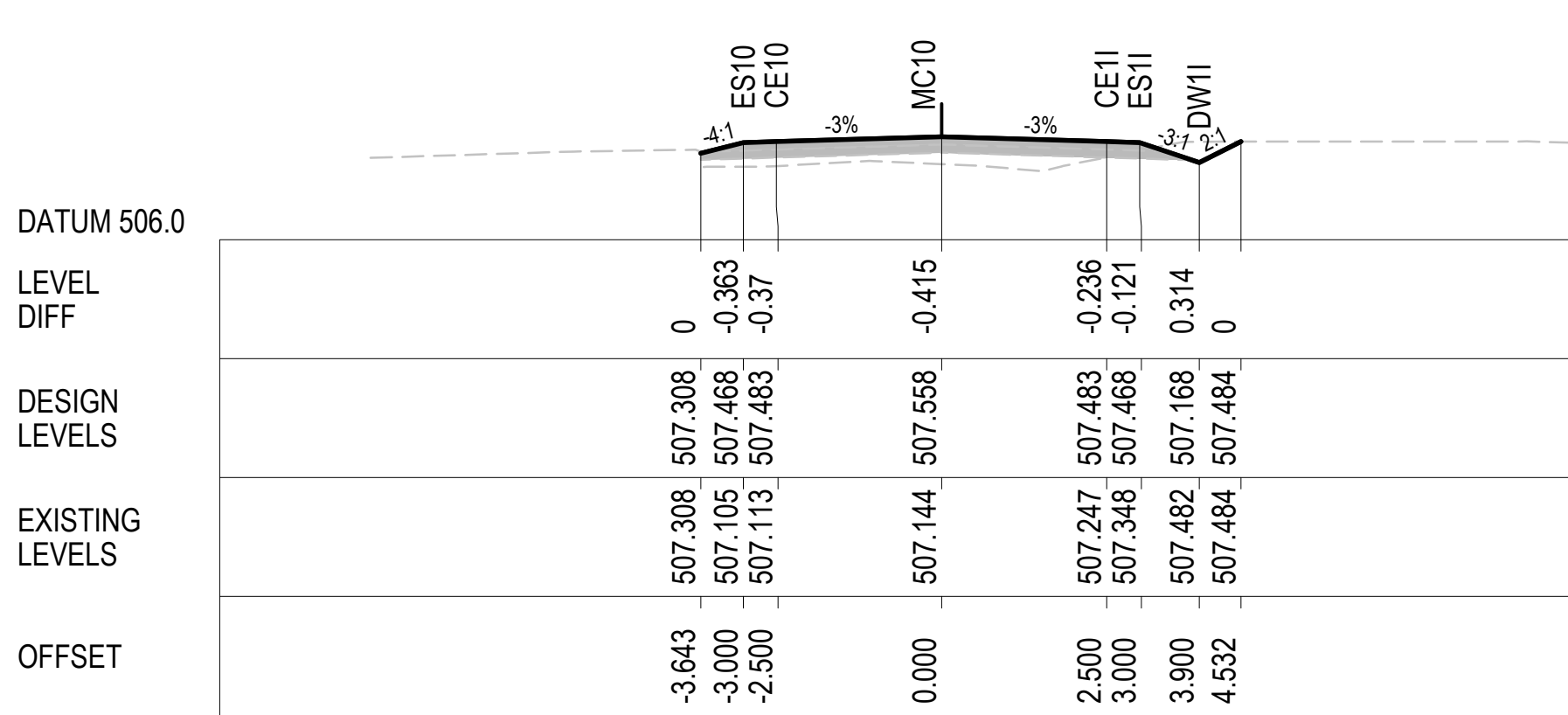
MC10 592.26



MC10 660



MC10 640



MC10 620



| Rev. | Date       | Description                          | Des.   | Verif. | Appd.  |
|------|------------|--------------------------------------|--------|--------|--------|
| 4    | 6/11/2018  | ROAD RE-ALIGNMENT                    | P.D.J. | RIC    |        |
| 4    | 25/10/2018 | ROAD RE-ALIGNMENT                    | P.D.J. | RIC    | S.A.S. |
| 3    | 17/05/2017 | AMENDED DRAWING CROSS-SECTION 5 OF 8 | G.J.   | RIC    | J.H.   |
| 2    | 17/03/2017 | FINAL SUBMISSION                     | G.J.   | RIC    | J.H.   |
| 1    | 23/12/2016 | 90% DOCUMENTATION                    | G.J.   | RIC    | J.H.   |

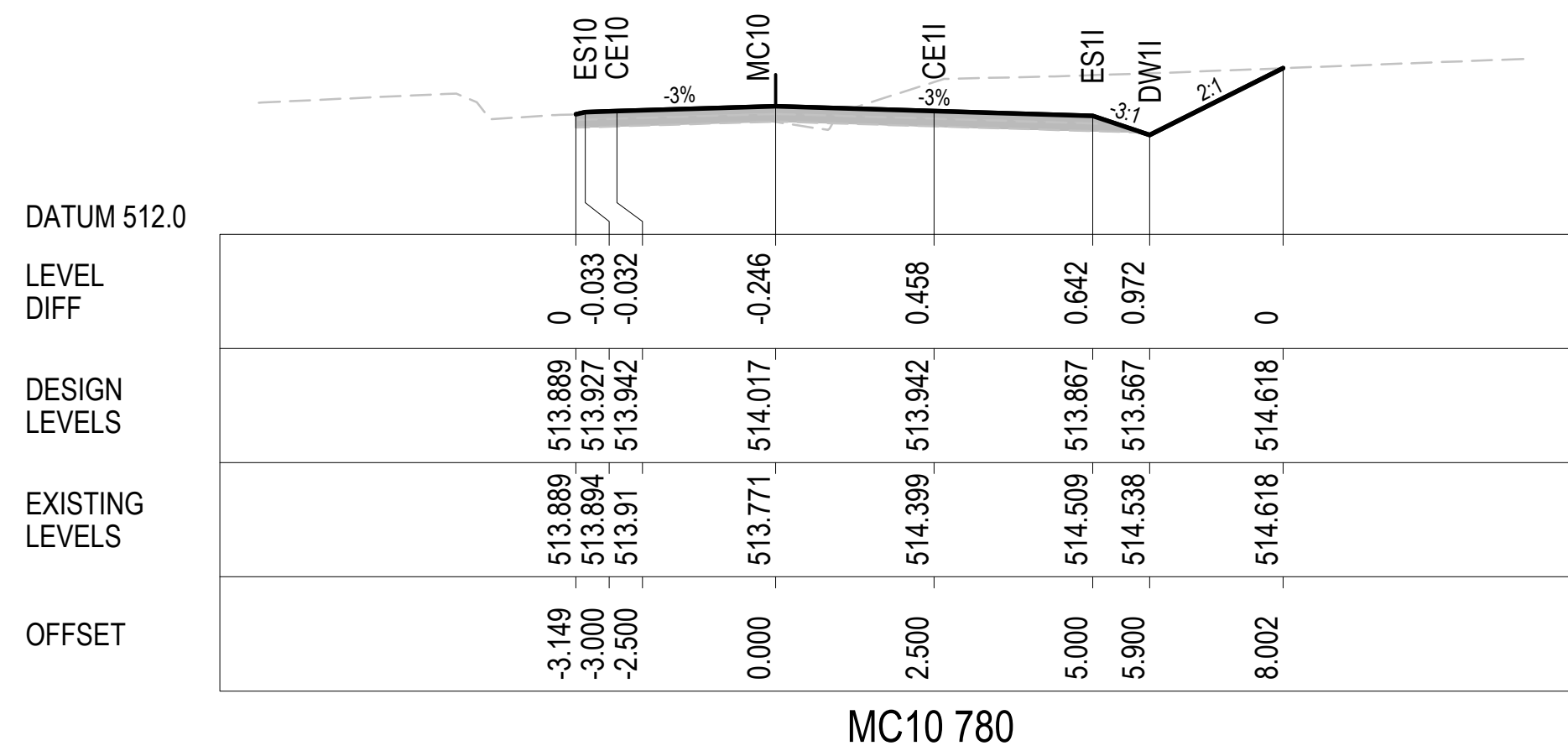
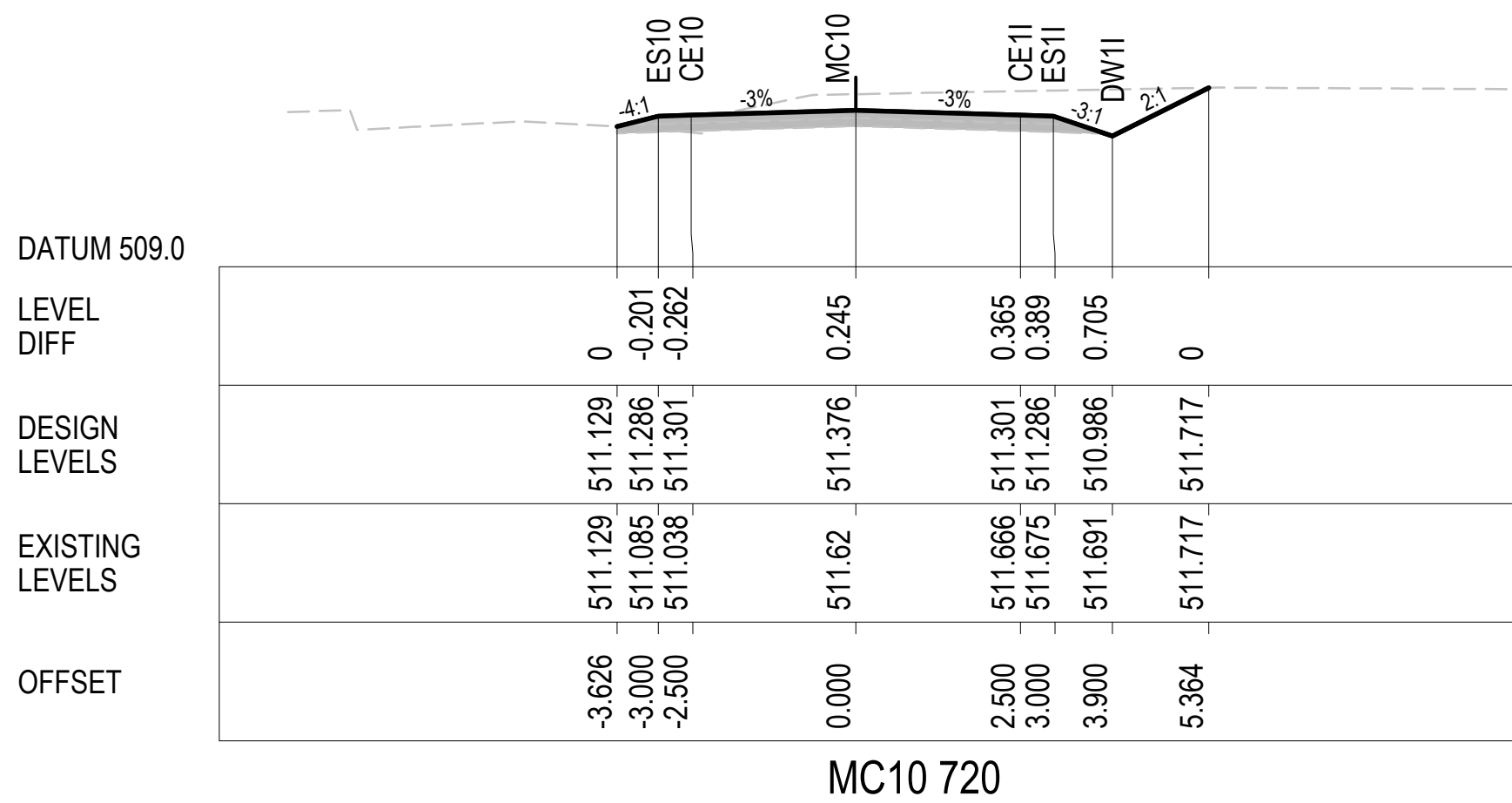
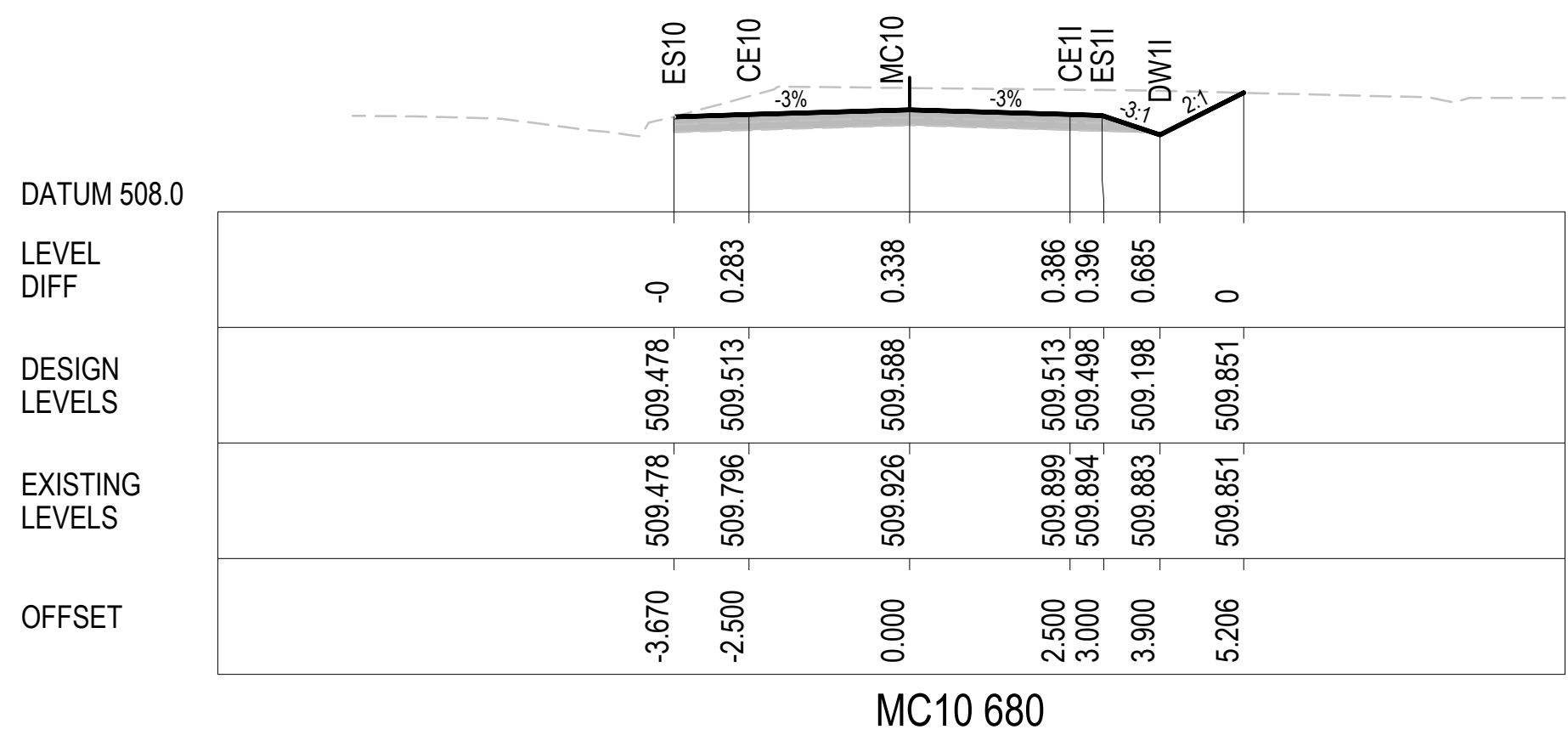


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|                  |                    |
|------------------|--------------------|
| Drawn<br>G.J.    | Date<br>23/12/2016 |
| Checked<br>J.H.  | Date<br>23/12/2016 |
| Designed<br>RIC  | Date<br>23/12/2016 |
| Verified<br>J.H. | Date<br>23/12/2016 |
| Approved         |                    |
| M.P.             | 23/12/2016         |

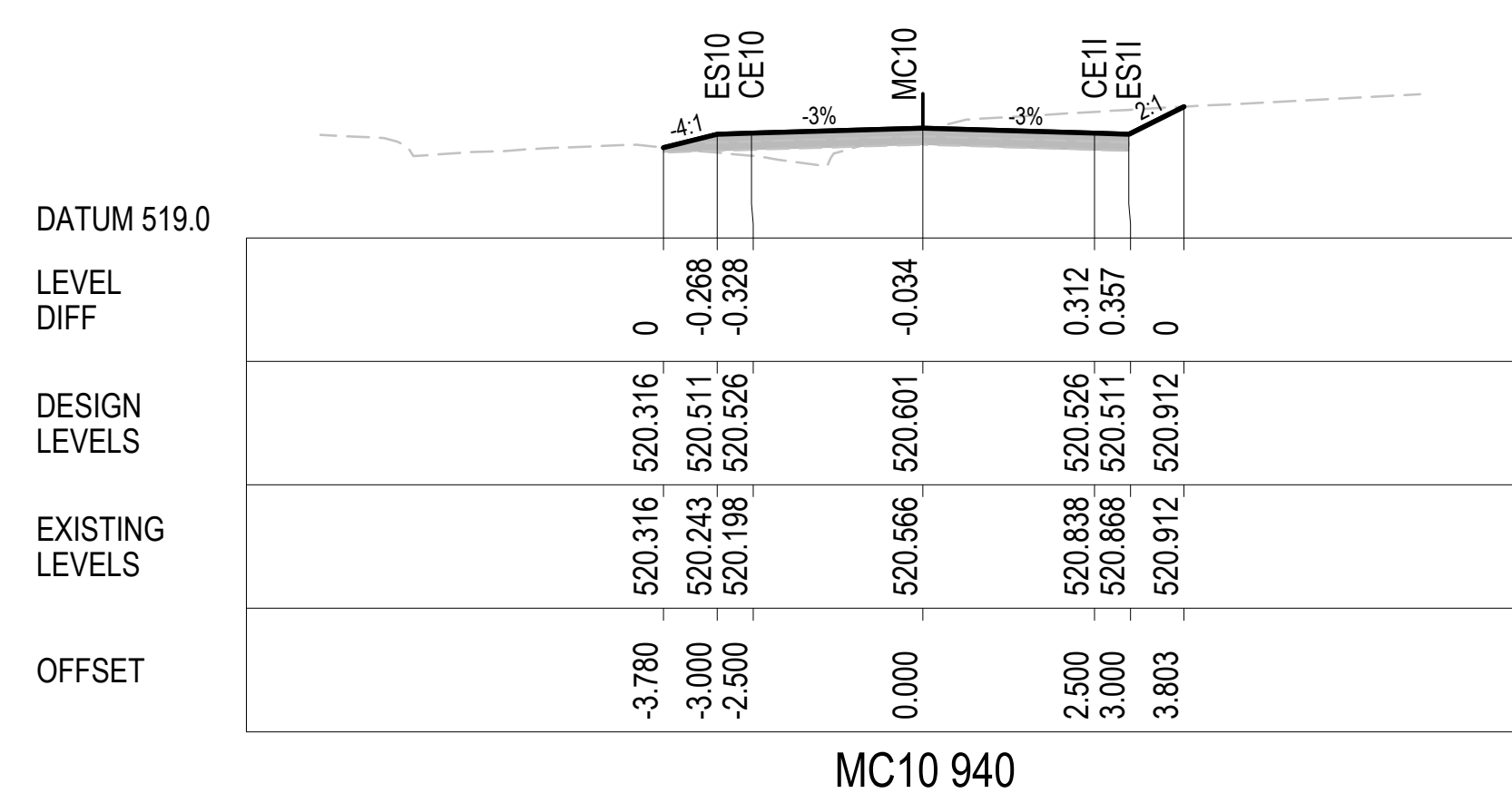
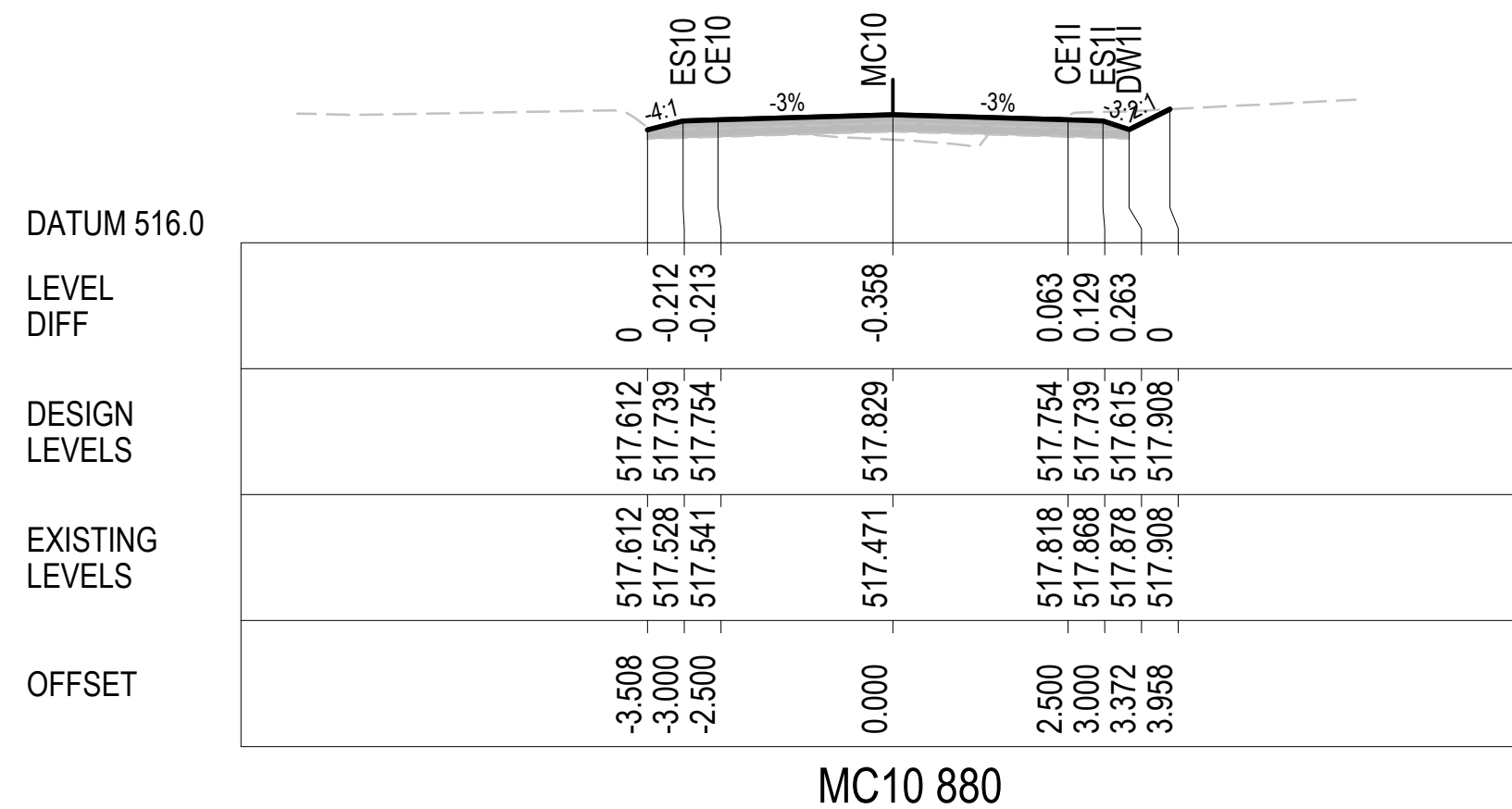
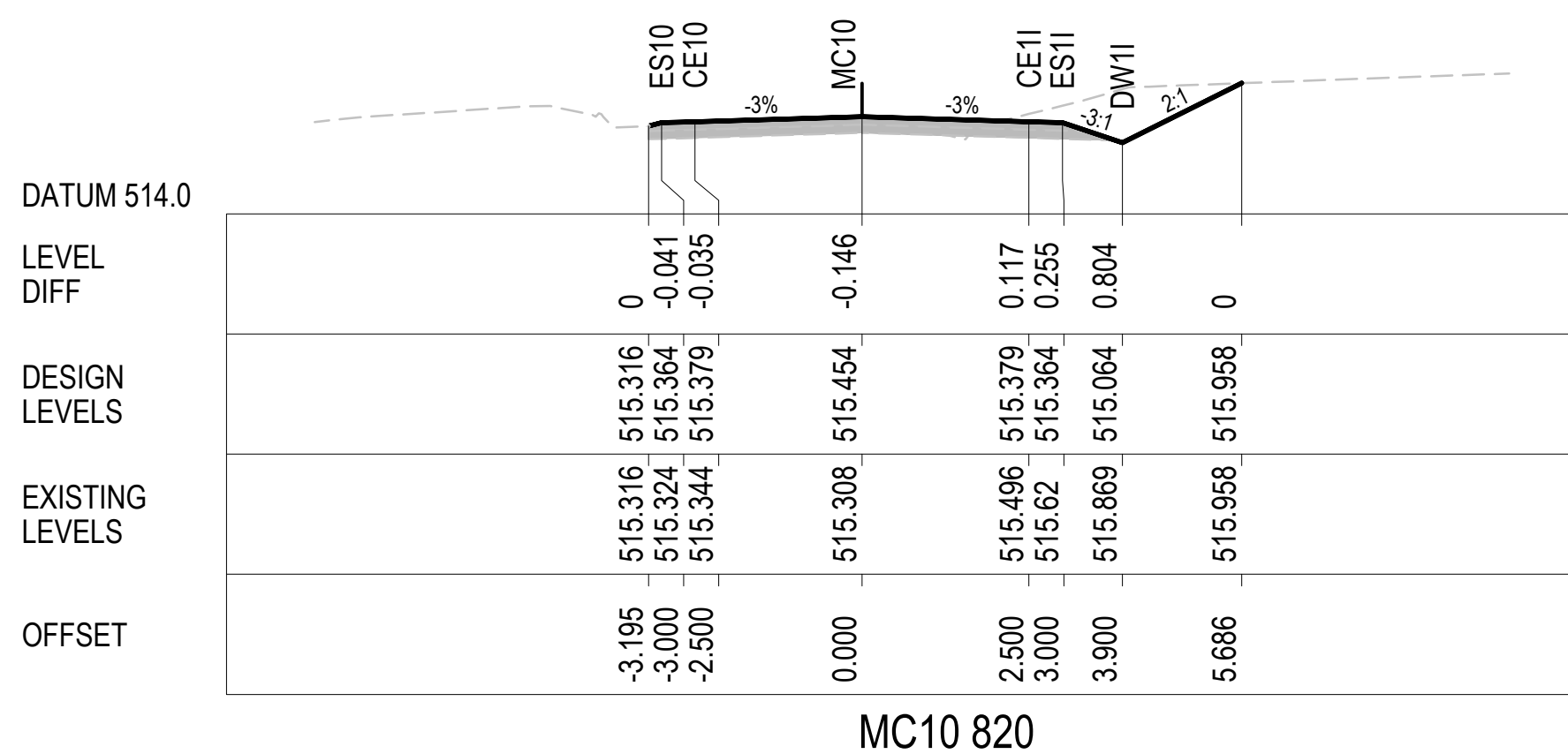
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|------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------|-------------------|
| Client<br><b>GOLDWIND AUSTRALIA</b>                                                                                          |  | Status<br><b>FOR APPROVAL</b>            |                   |
| Project<br>YASS VALLEY WIND FARM<br>ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS |  | NOT TO BE USED FOR CONSTRUCTION PURPOSES |                   |
| Title<br>CROSS SECTIONS<br>WHITEFIELDS RD (MC10) - SHEET 5 OF 10                                                             |  | DATUM<br>AHD                             | Scale<br>1:100@A1 |
|                                                                                                                              |  | Drawing Number<br>50517019 - C34         | Size<br>A1        |
|                                                                                                                              |  | Revision<br>4                            |                   |



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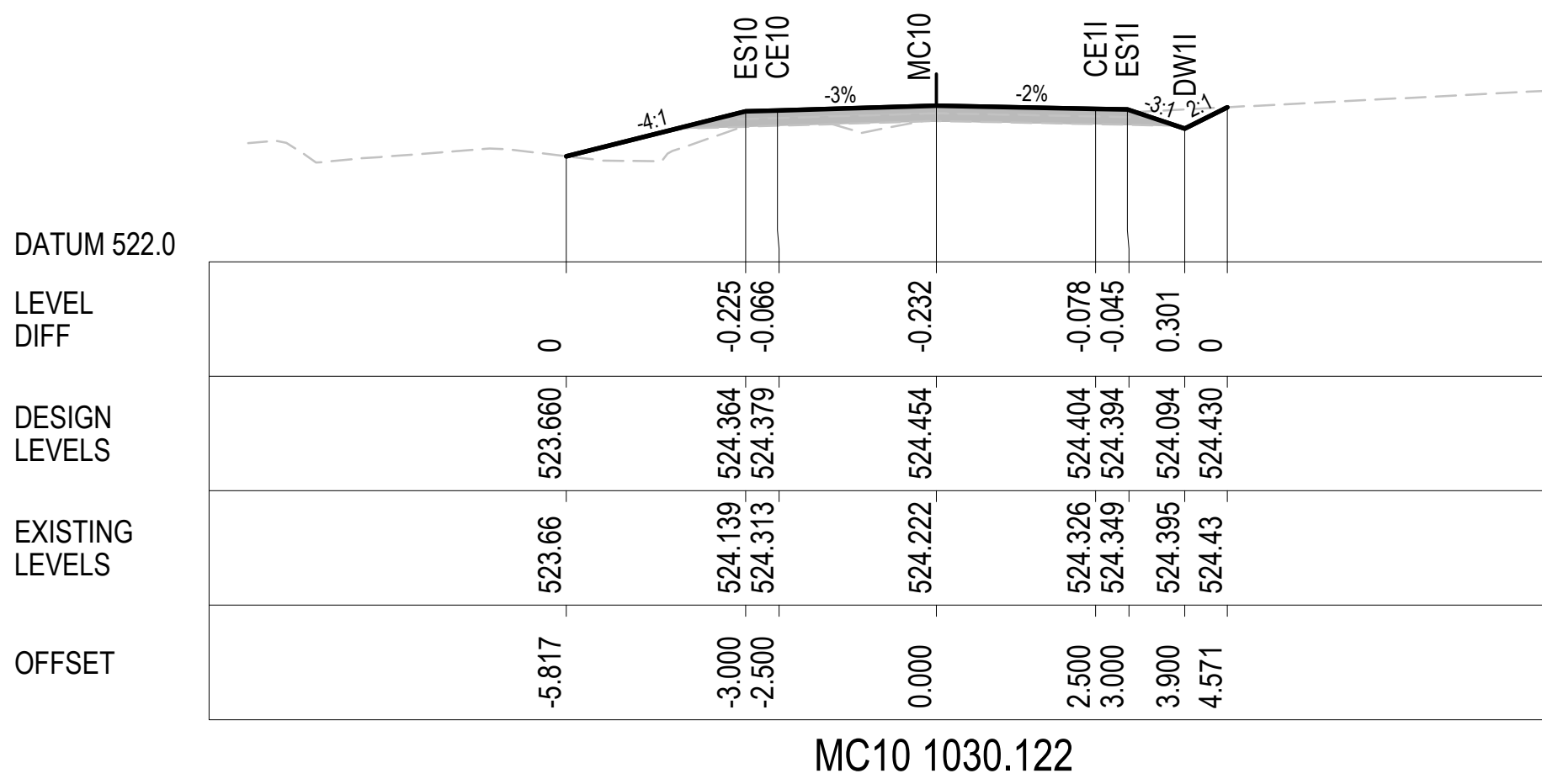
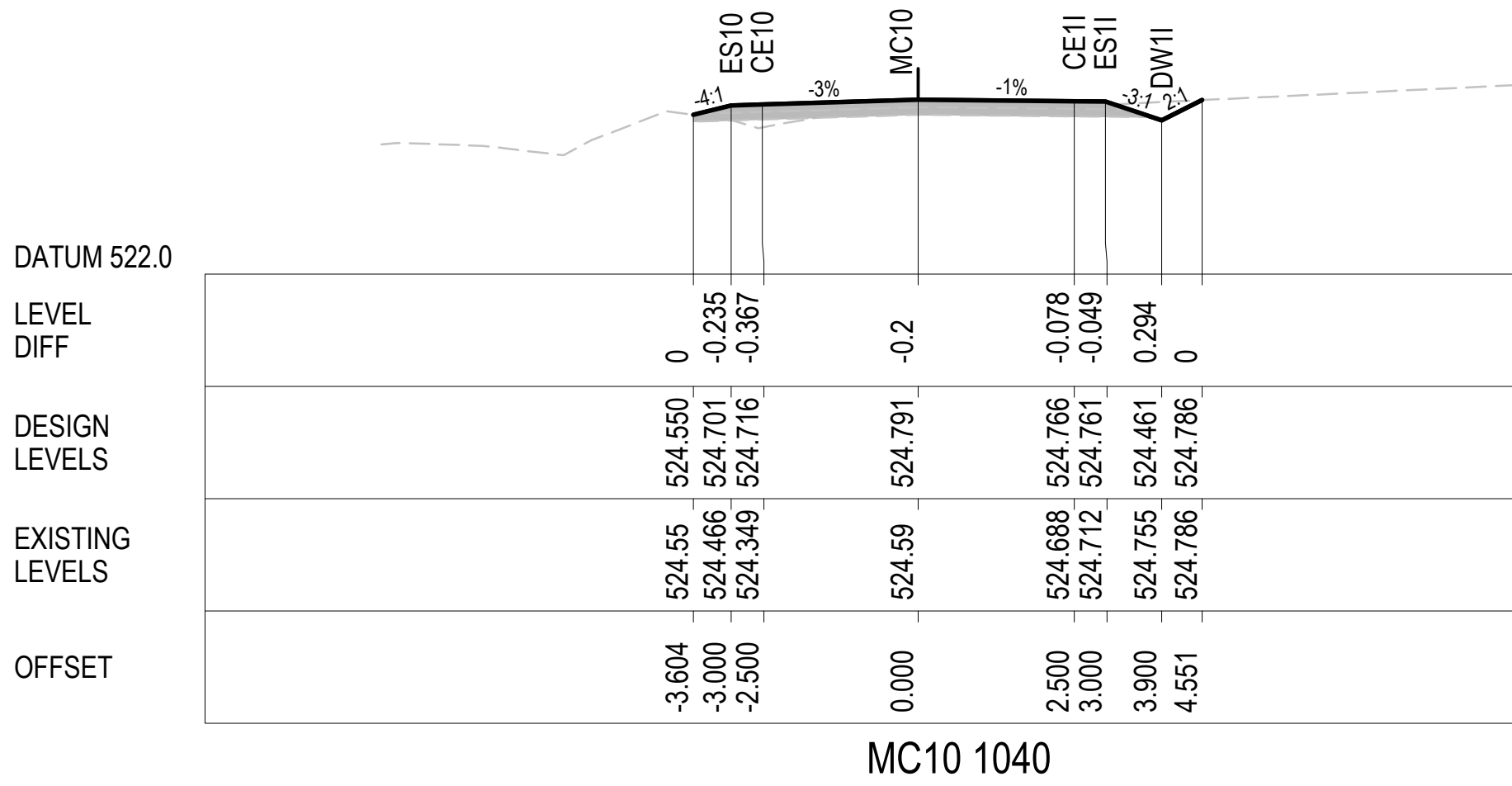
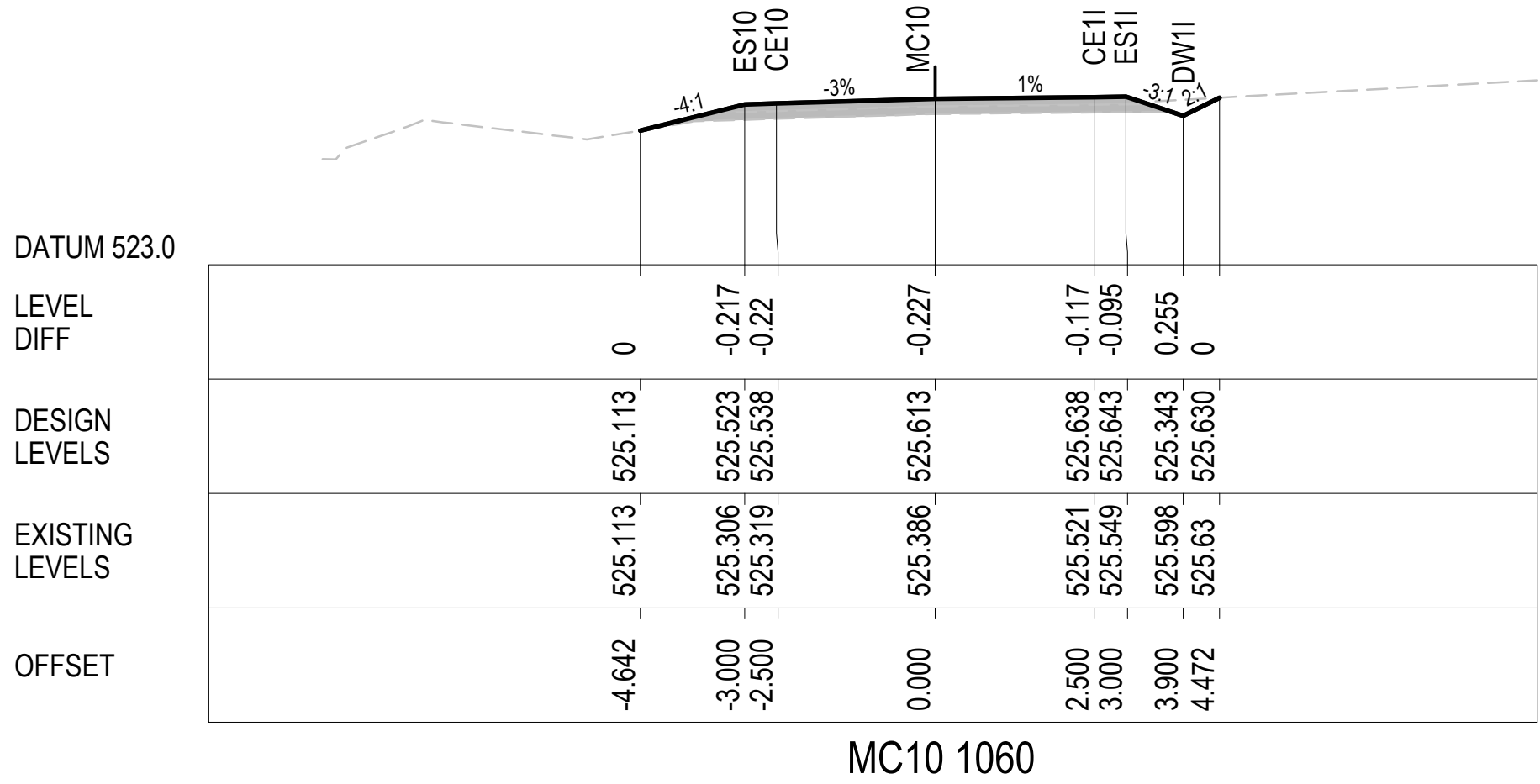
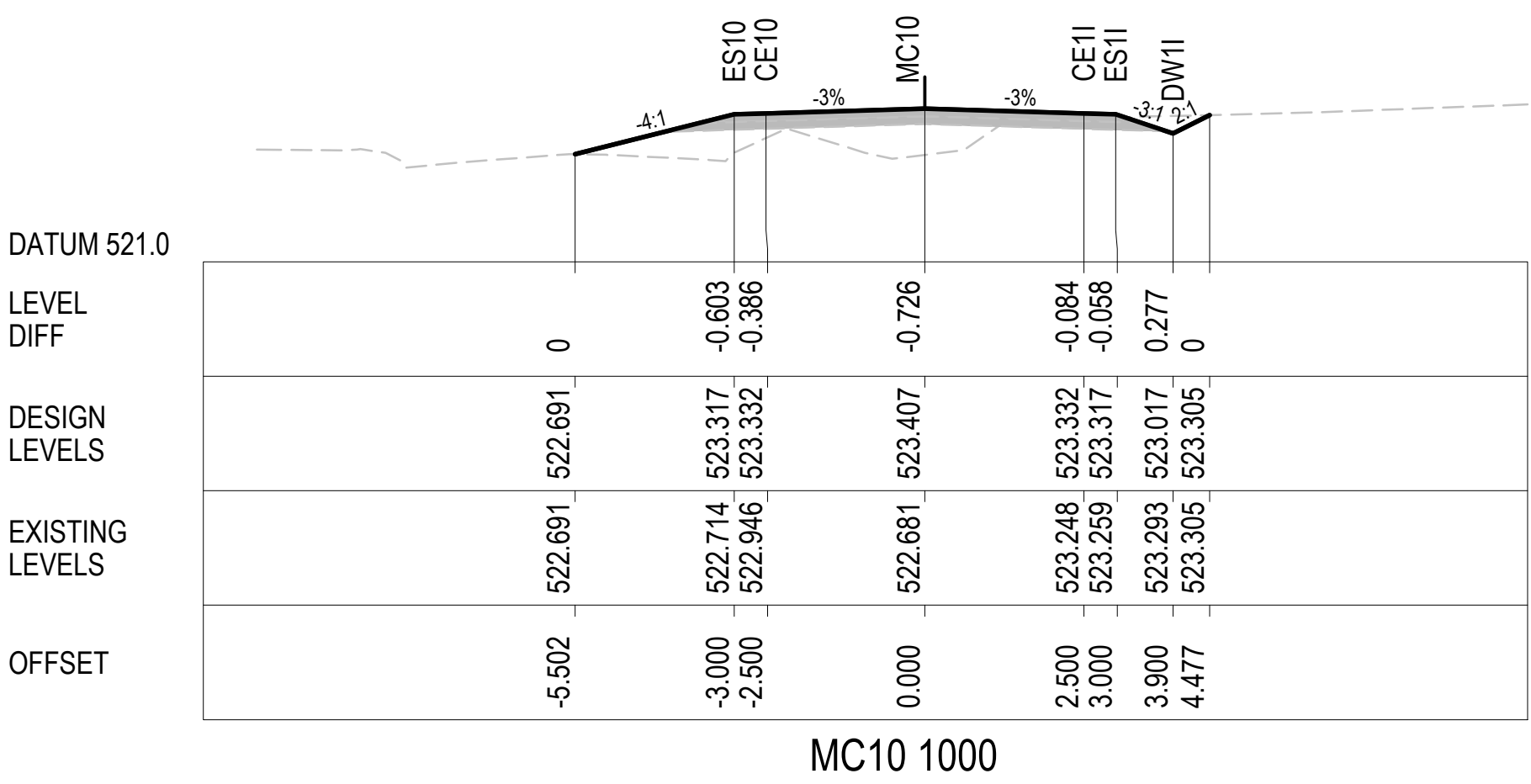
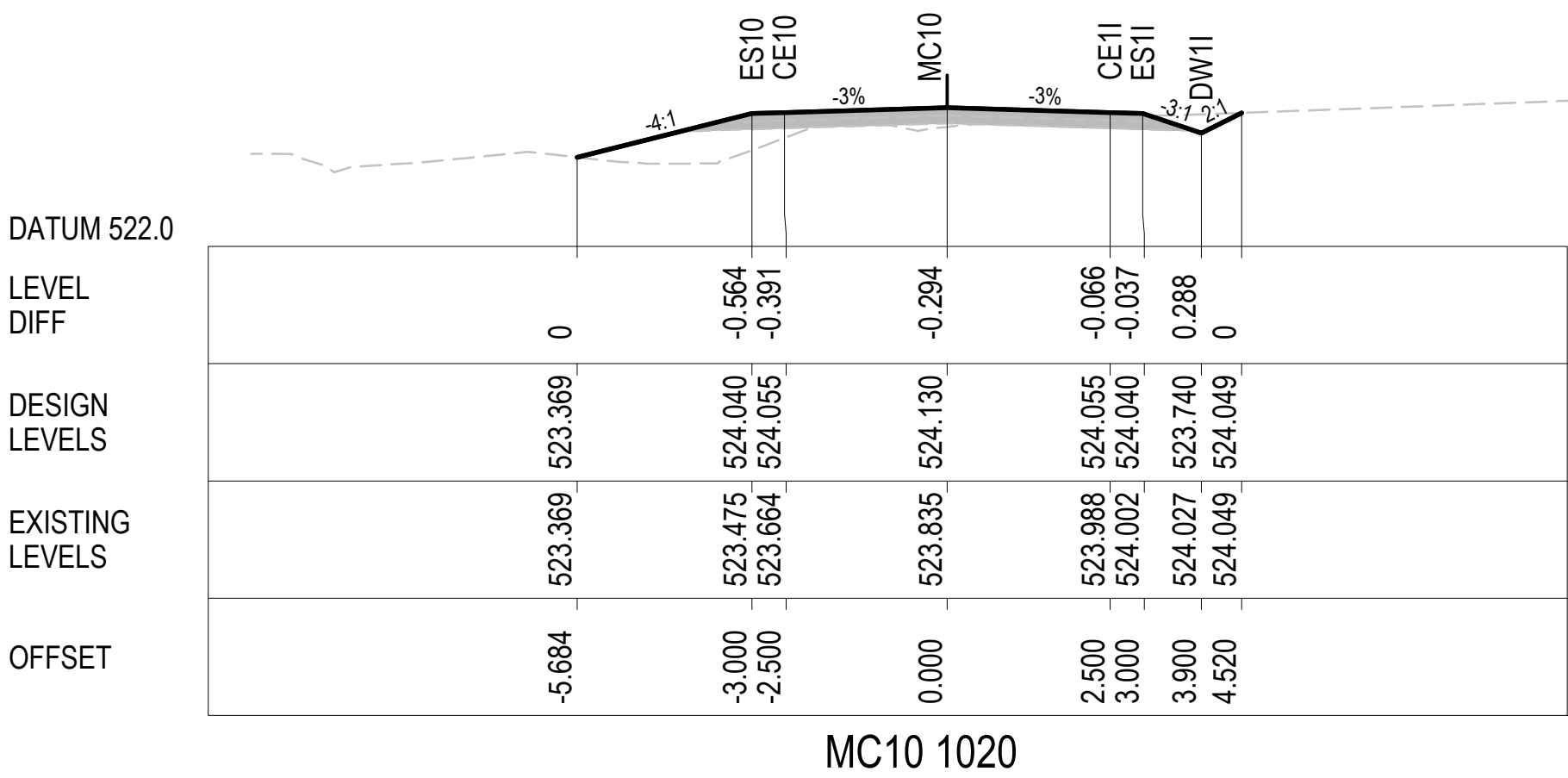
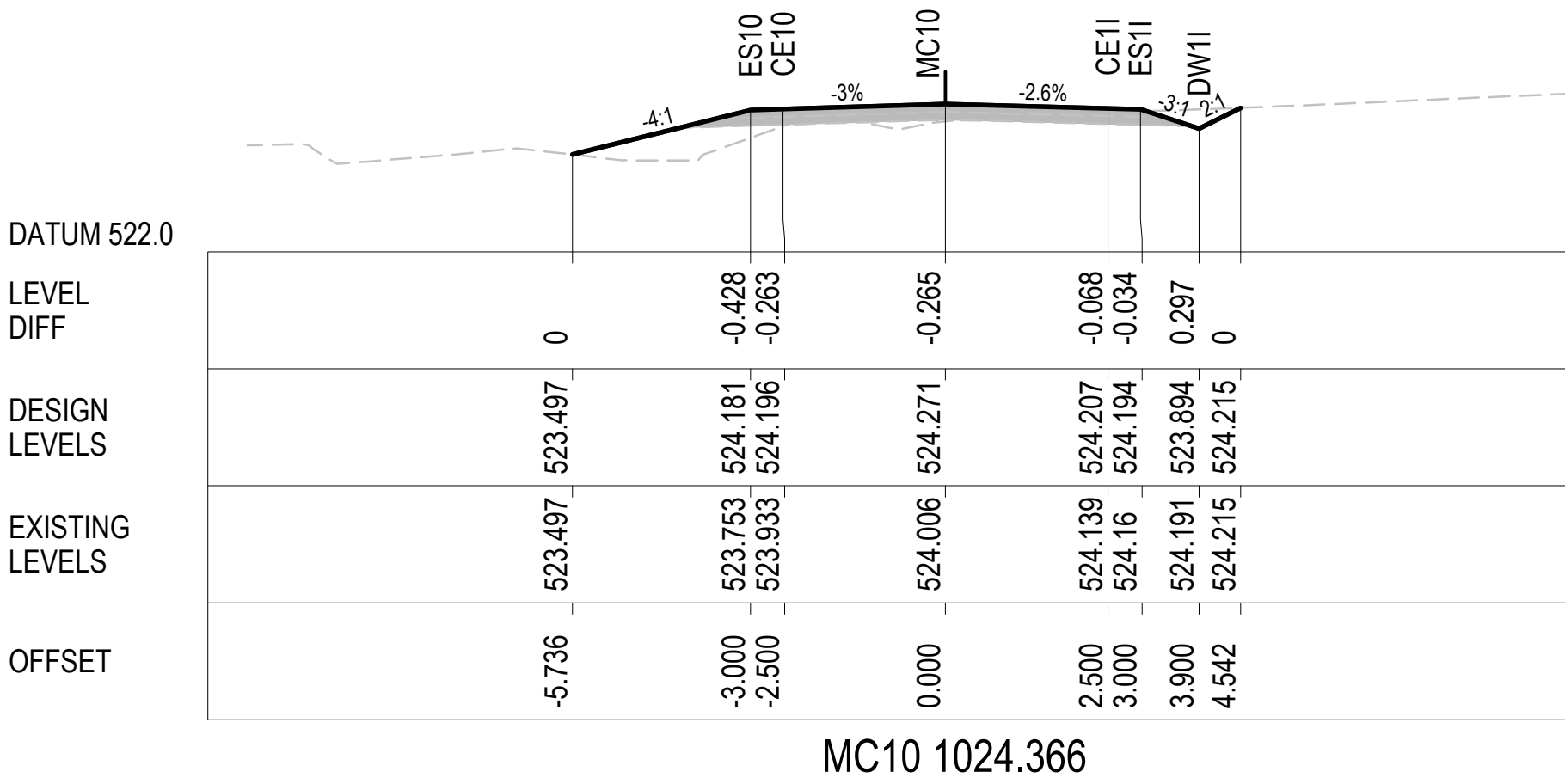
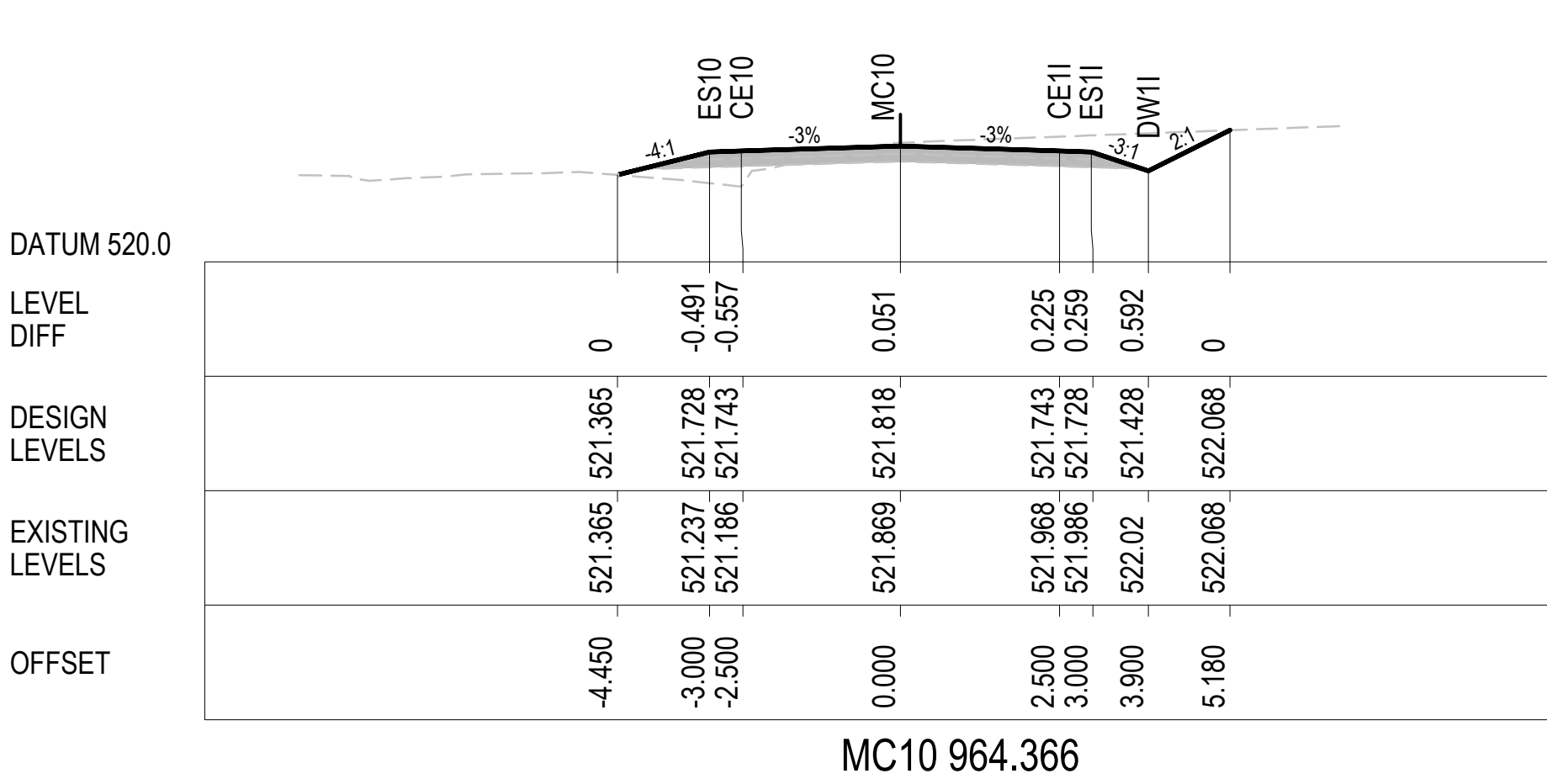
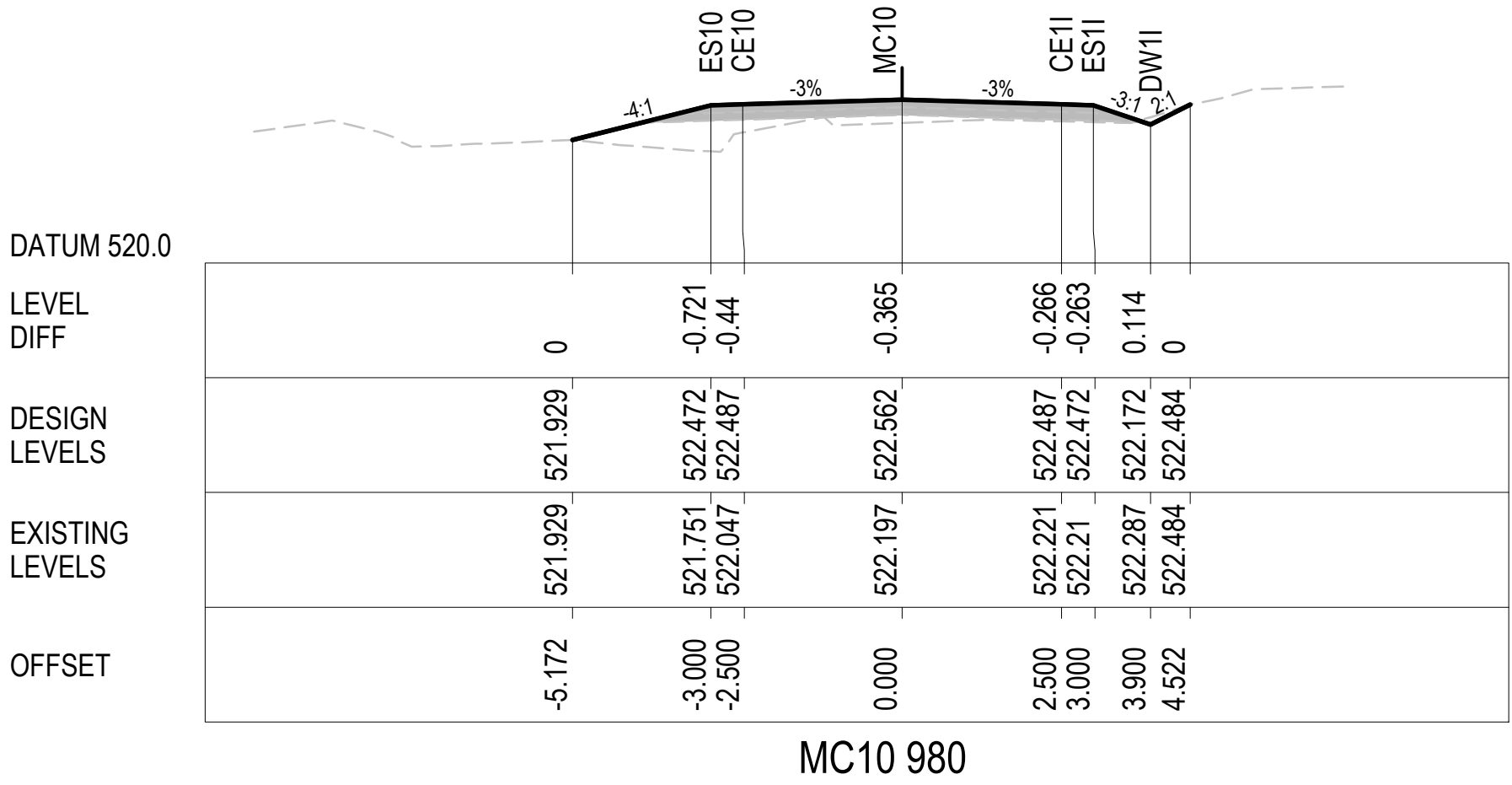
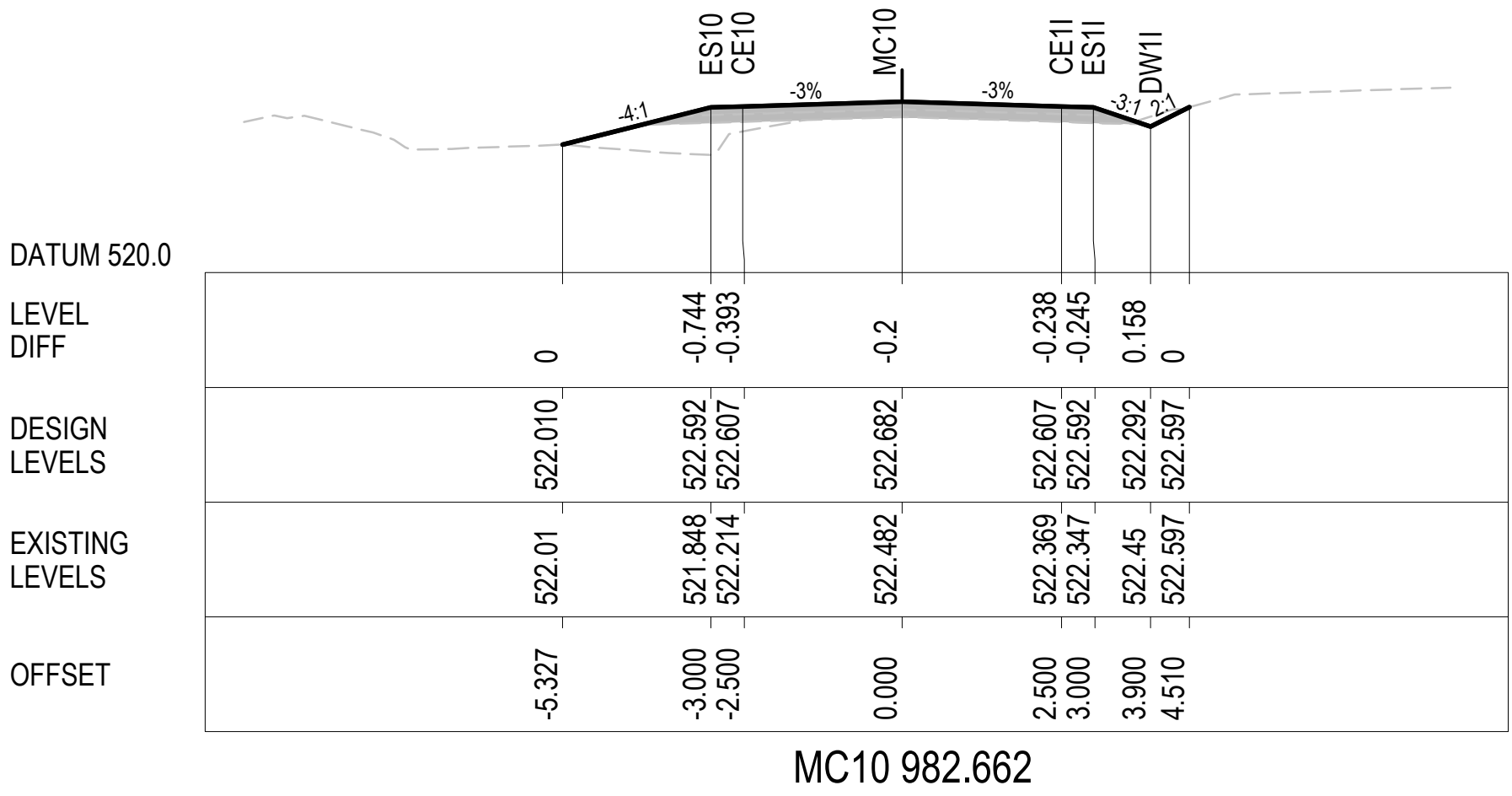
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| Drawn<br>G.J.    | Date<br>23/12/2016 | Client<br><b>GOLDWIND AUSTRALIA</b>                                                                                             |                                                                           |                   |               |
| Checked<br>J.H.  | Date<br>23/12/2016 | Project<br>YASS VALLEY WIND FARM<br>ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD<br>AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS | Status<br><b>FOR APPROVAL</b><br>NOT TO BE USED FOR CONSTRUCTION PURPOSES |                   |               |
| Designed<br>R.C. | Date<br>23/12/2016 |                                                                                                                                 | DATUM<br>AHD                                                              | Scale<br>1:100@A1 | Size<br>A1    |
| Verified<br>J.H. | Date<br>23/12/2016 |                                                                                                                                 | Drawing Number<br>50517019 - C35                                          |                   | Revision<br>4 |
| Approved         |                    | Title<br>CROSS SECTIONS<br>WHITEFIELDS RD (MC10) - SHEET 6 OF 10                                                                |                                                                           |                   |               |
| M.P.             | 23/12/2016         |                                                                                                                                 |                                                                           |                   |               |



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|                  |                    |                                                                                                                                 |                                                                                                      |
|------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Drawn<br>G.J.    | Date<br>17/05/2017 | Client<br><b>GOLDWIND AUSTRALIA</b>                                                                                             |                                                                                                      |
| Checked<br>J.H.  | Date<br>17/05/2017 | Project<br>YASS VALLEY WIND FARM<br>ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD<br>AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS | Status<br><b>FOR APPROVAL</b><br>NOT TO BE USED FOR CONSTRUCTION PURPOSES                            |
| Designed<br>R.C. | Date<br>17/05/2017 |                                                                                                                                 |                                                                                                      |
| Verified<br>J.H. | Date<br>17/05/2017 |                                                                                                                                 |                                                                                                      |
| Approved         |                    |                                                                                                                                 |                                                                                                      |
| M.P.             | Date<br>17/05/2017 | Title<br>CROSS SECTIONS<br>WHITEFIELDS RD (MC10) - SHEET 7 OF 10                                                                | DATUM<br>AHD<br>Scale<br>1:100@A1<br>Size<br>A1<br>Drawing Number<br>50517019 - C36<br>Revision<br>3 |



| Rev | Date       | Description                      | Des.   | Verif. | Appd.  |
|-----|------------|----------------------------------|--------|--------|--------|
| 3   | 6/11/2018  | ROAD RE-ALIGNMENT                | P.D.J. | RIC    | S.A.S. |
| 2   | 25/10/2018 | ROAD RE-ALIGNMENT                | P.D.J. | RIC    | S.A.S. |
| 1   | 17/05/2017 | NEW DRAWING CROSS-SECTION 8 OF 8 | G.J.   | RIC    | J.H.   |

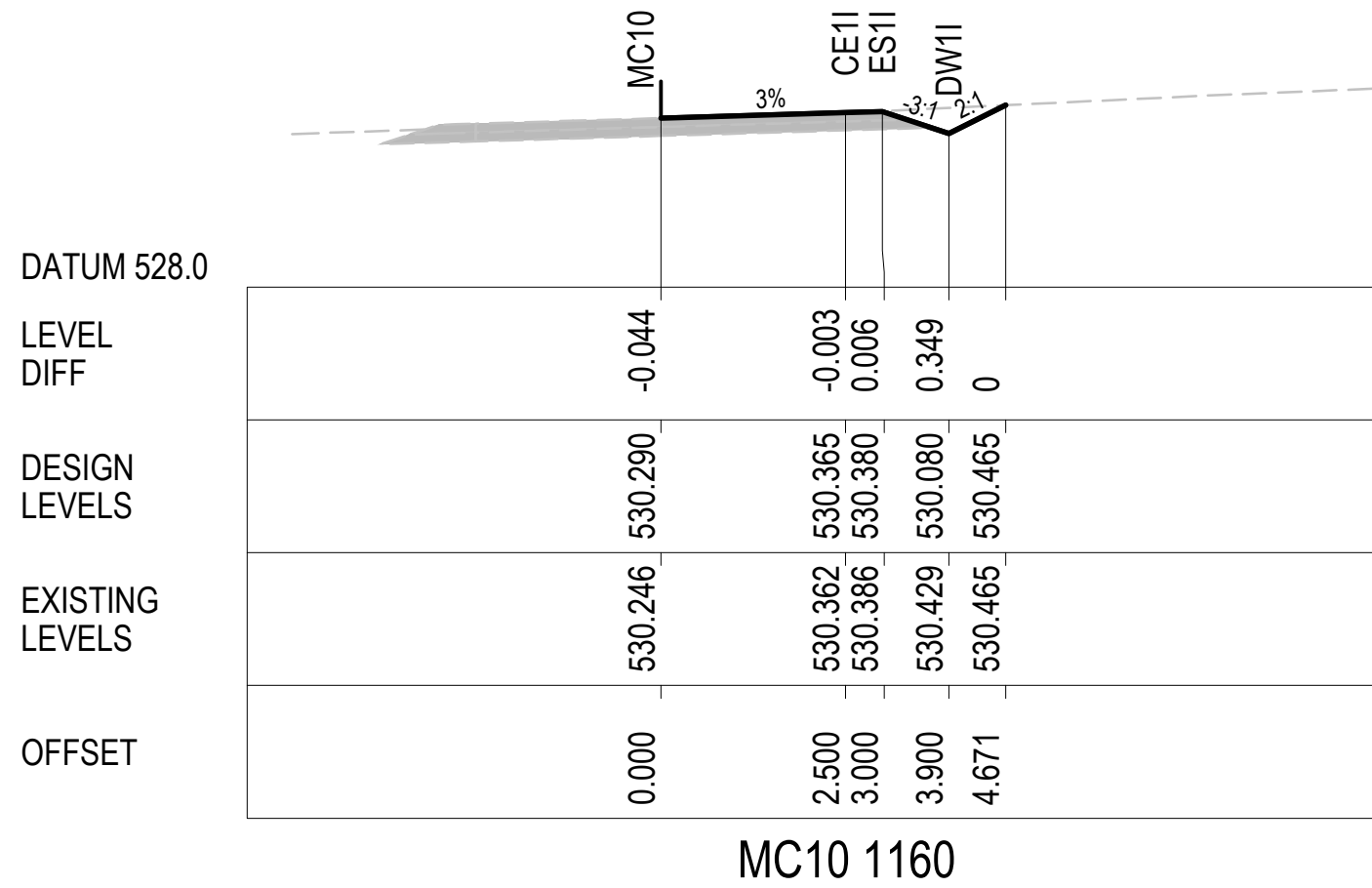
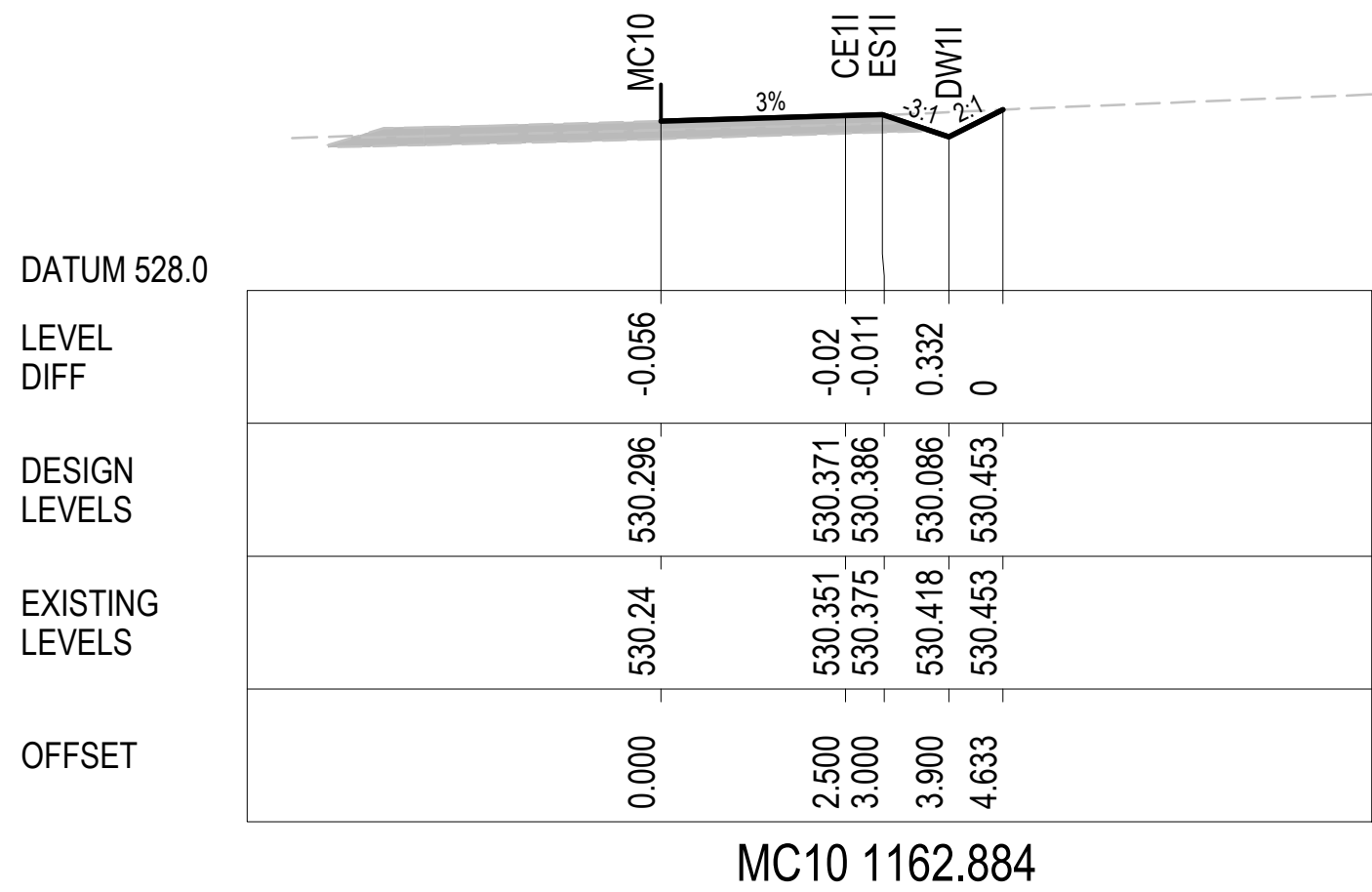
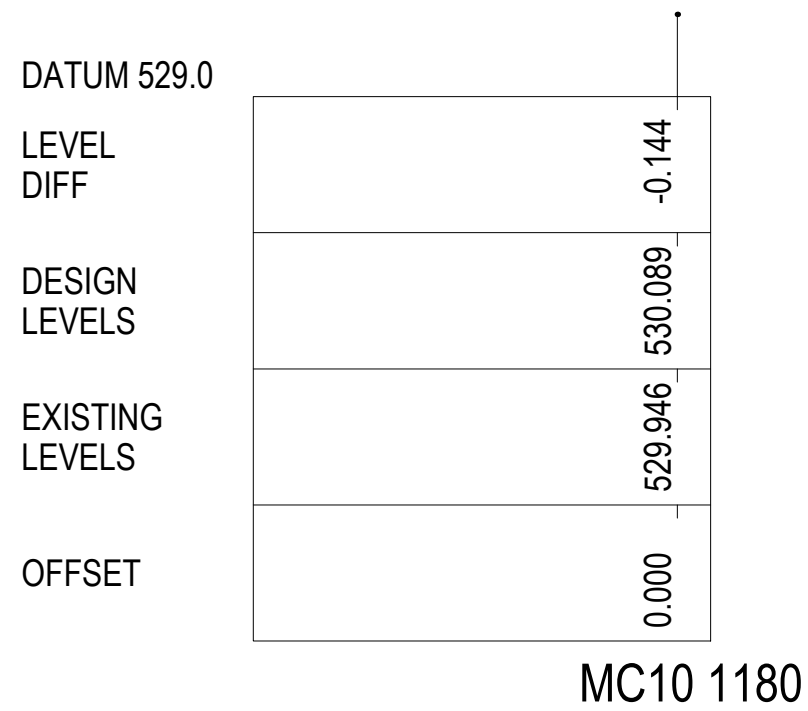
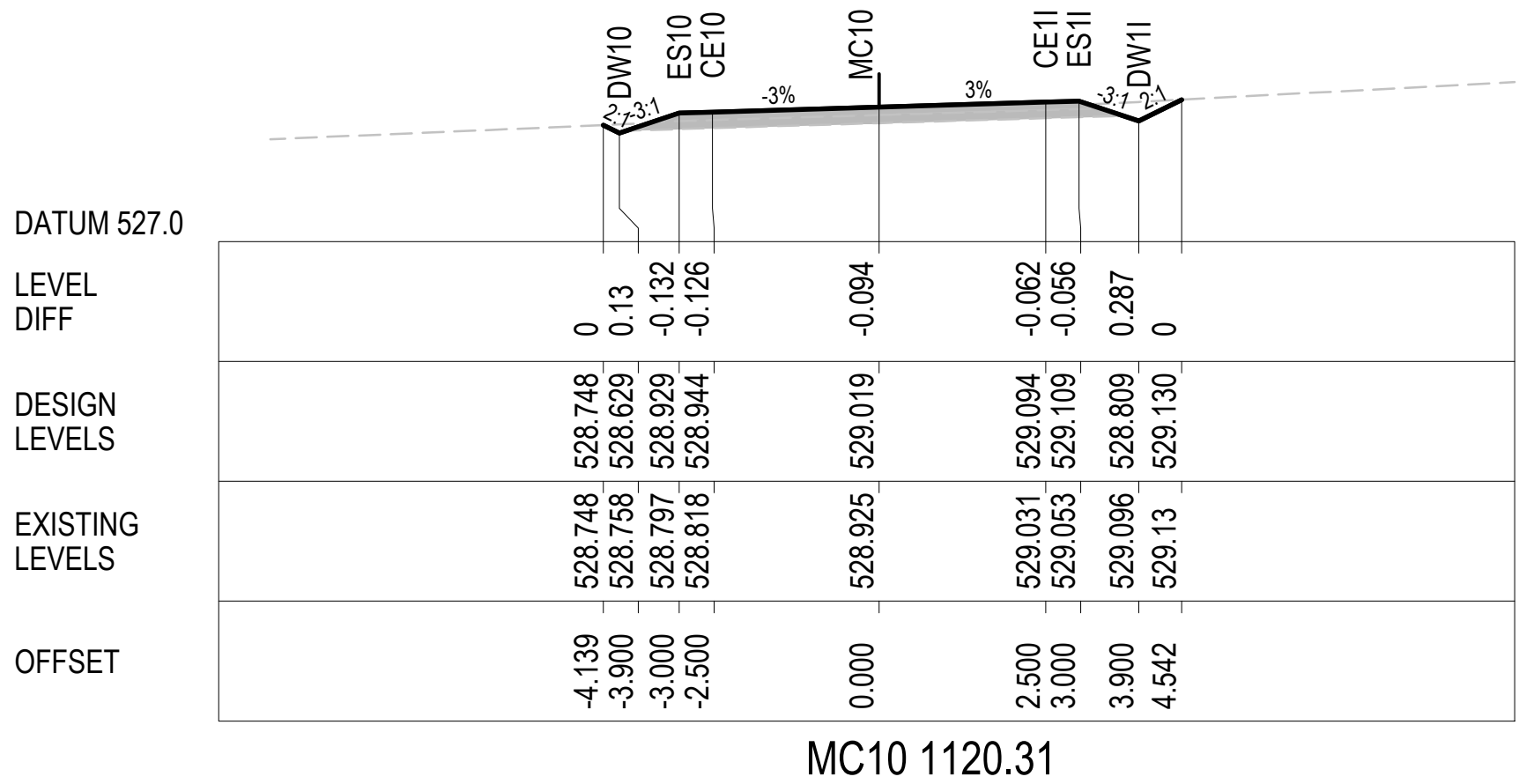
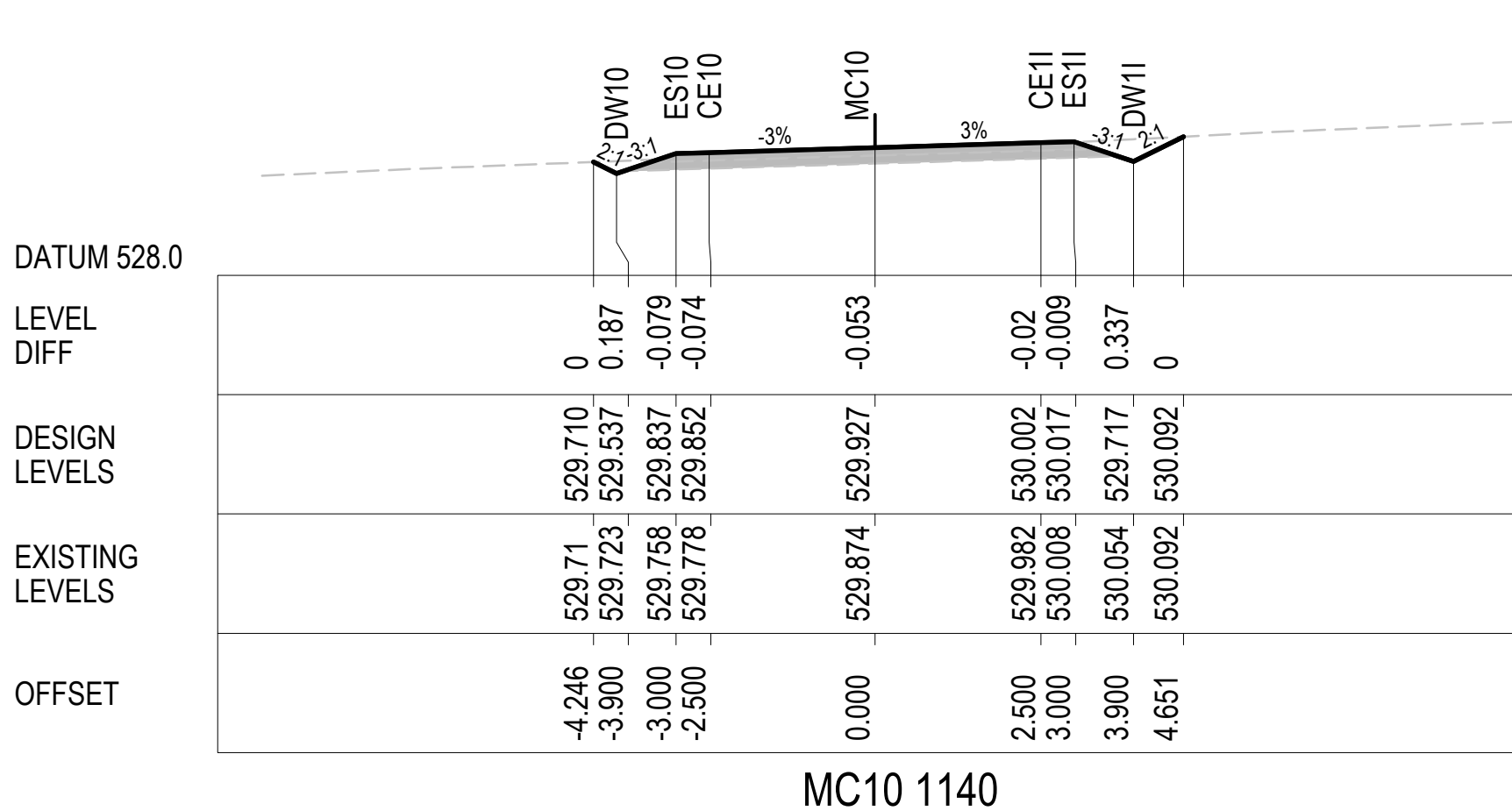
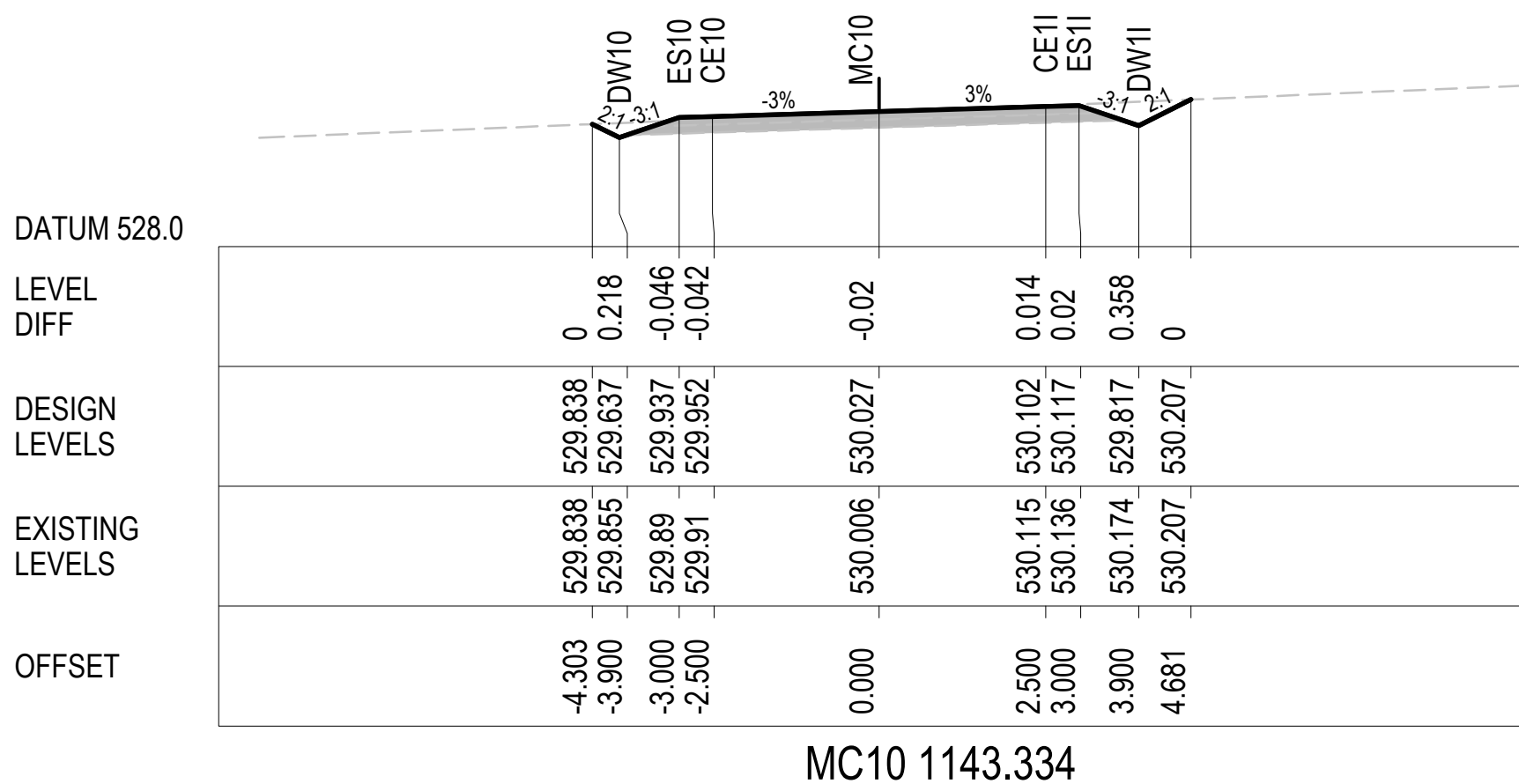
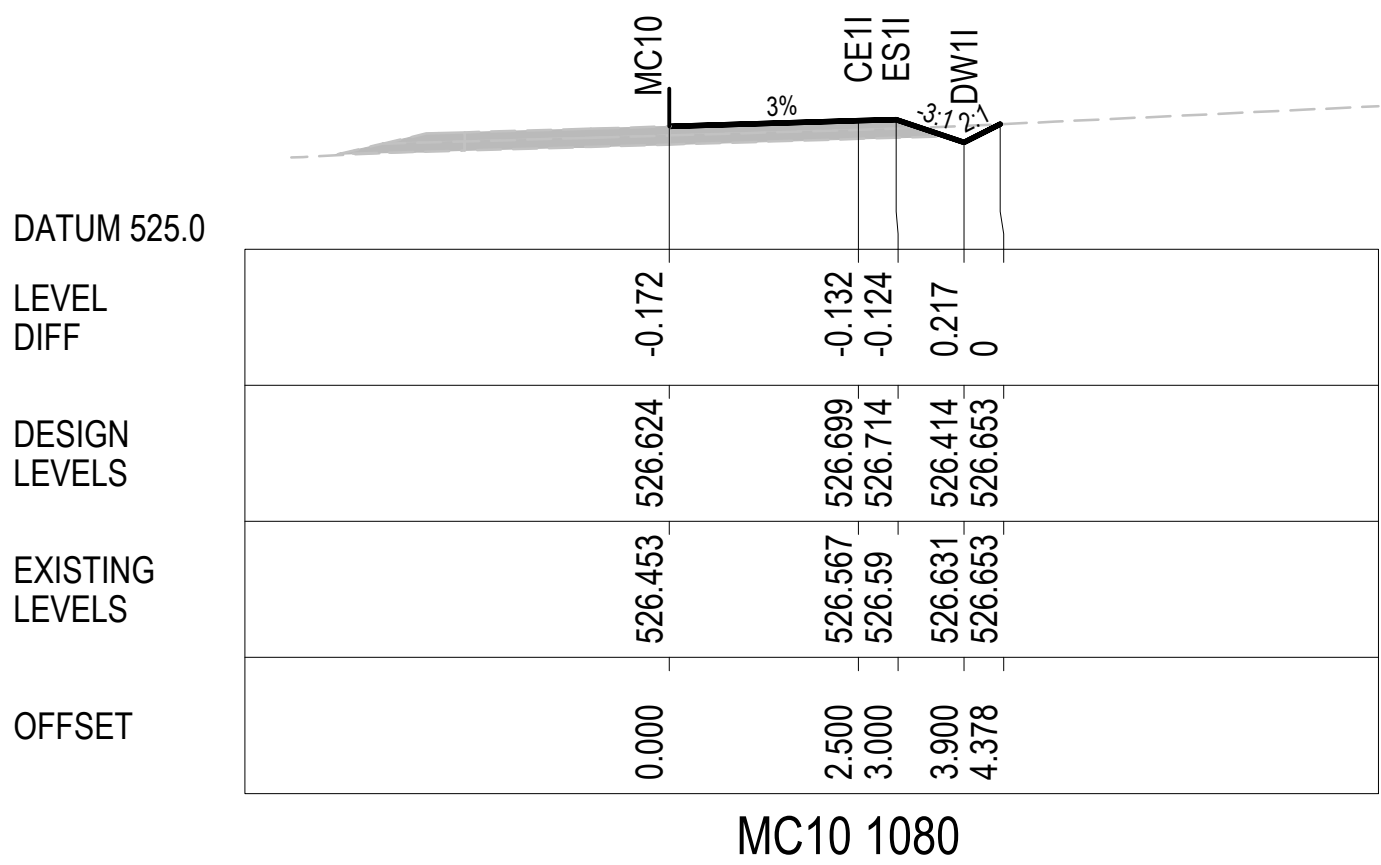
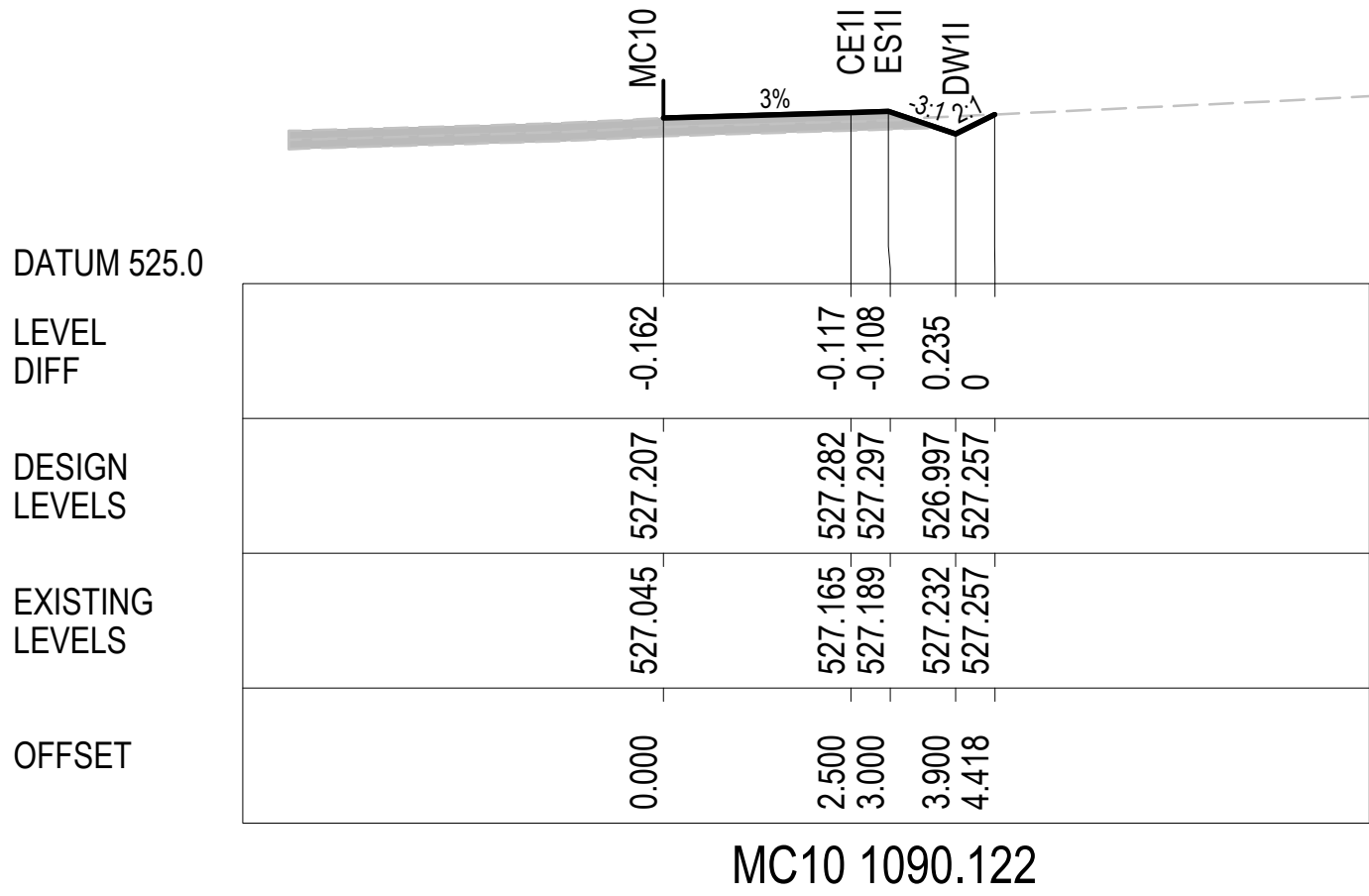
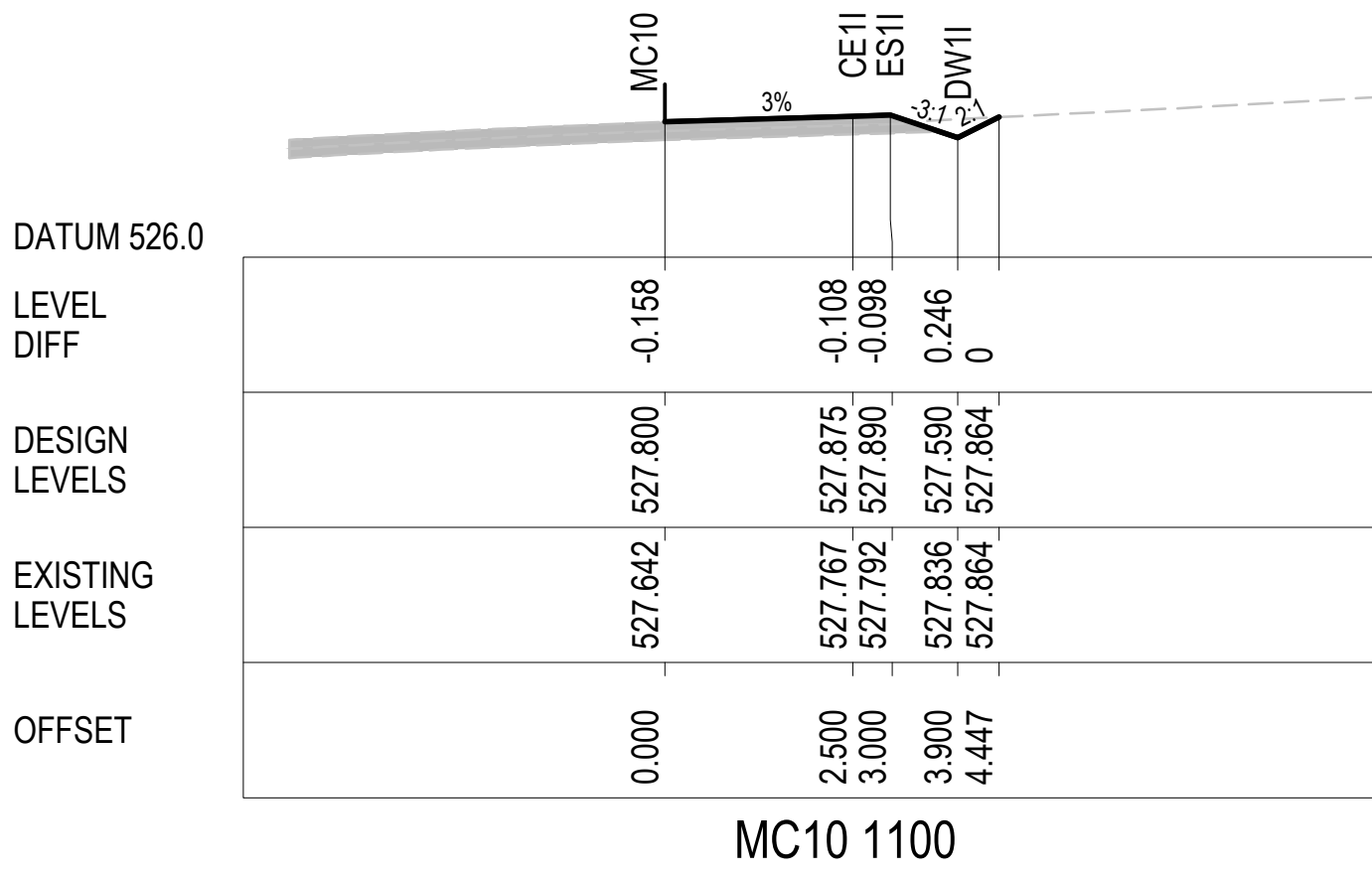


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|                  |                    |
|------------------|--------------------|
| Drawn<br>G.J.    | Date<br>17/05/2017 |
| Checked<br>J.H.  | Date<br>17/05/2017 |
| Designed<br>RIC  | Date<br>17/05/2017 |
| Verified<br>J.H. | Date<br>17/05/2017 |
| Approved         |                    |
| M.P.             | 17/05/2017         |

|                                                                                                                              |  |                                          |                   |
|------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------|-------------------|
| Client<br><b>GOLDWIND AUSTRALIA</b>                                                                                          |  | Status<br><b>FOR APPROVAL</b>            |                   |
| Project<br>YASS VALLEY WIND FARM<br>ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS |  | NOT TO BE USED FOR CONSTRUCTION PURPOSES |                   |
| Title<br>CROSS SECTIONS<br>WHITEFIELDS RD (MC10) - SHEET 8 OF 10                                                             |  | DATUM<br>AHD                             | Scale<br>1:100@A1 |
|                                                                                                                              |  | Drawing Number<br>50517019 - C37         | Size<br>A1        |
|                                                                                                                              |  | Revision<br>3                            |                   |



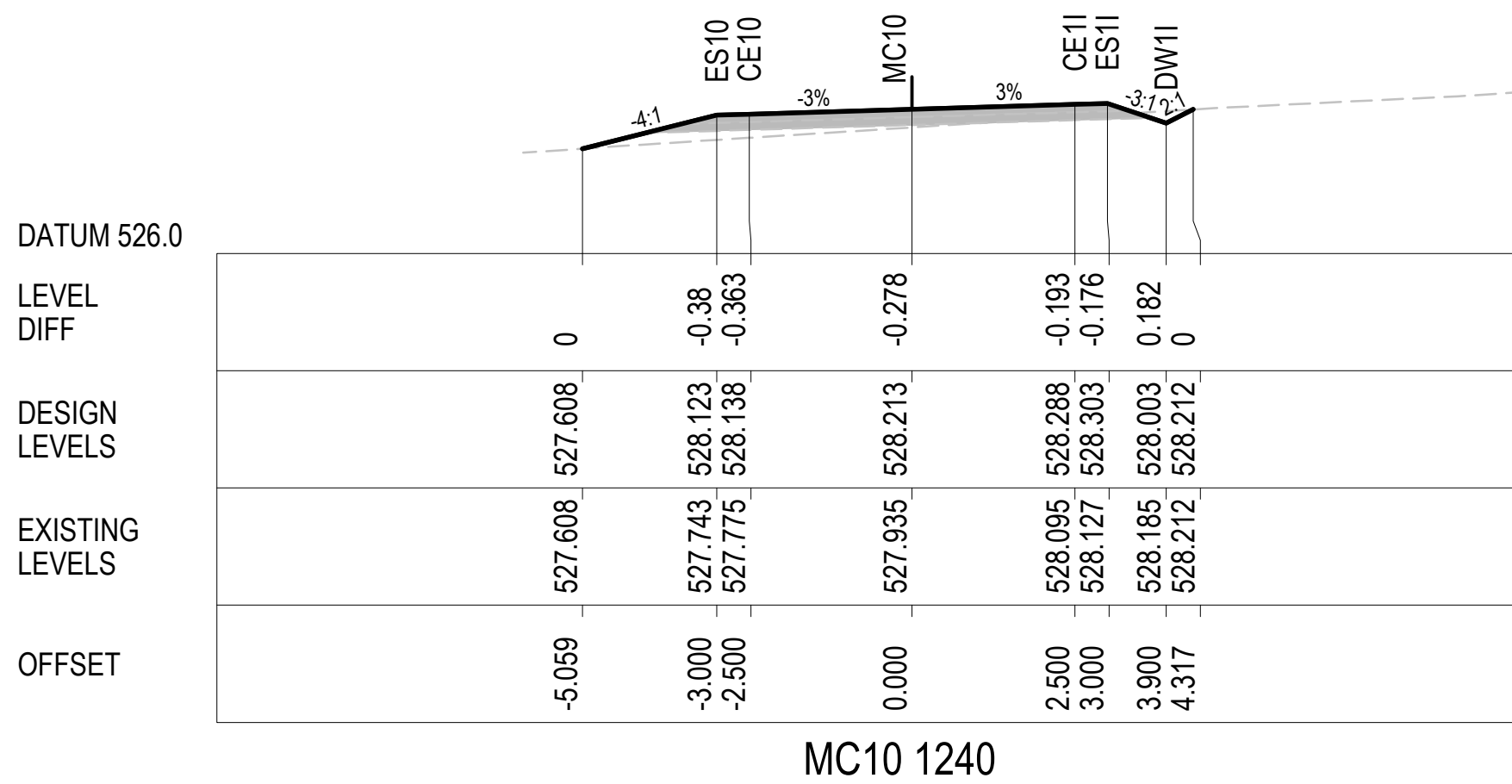
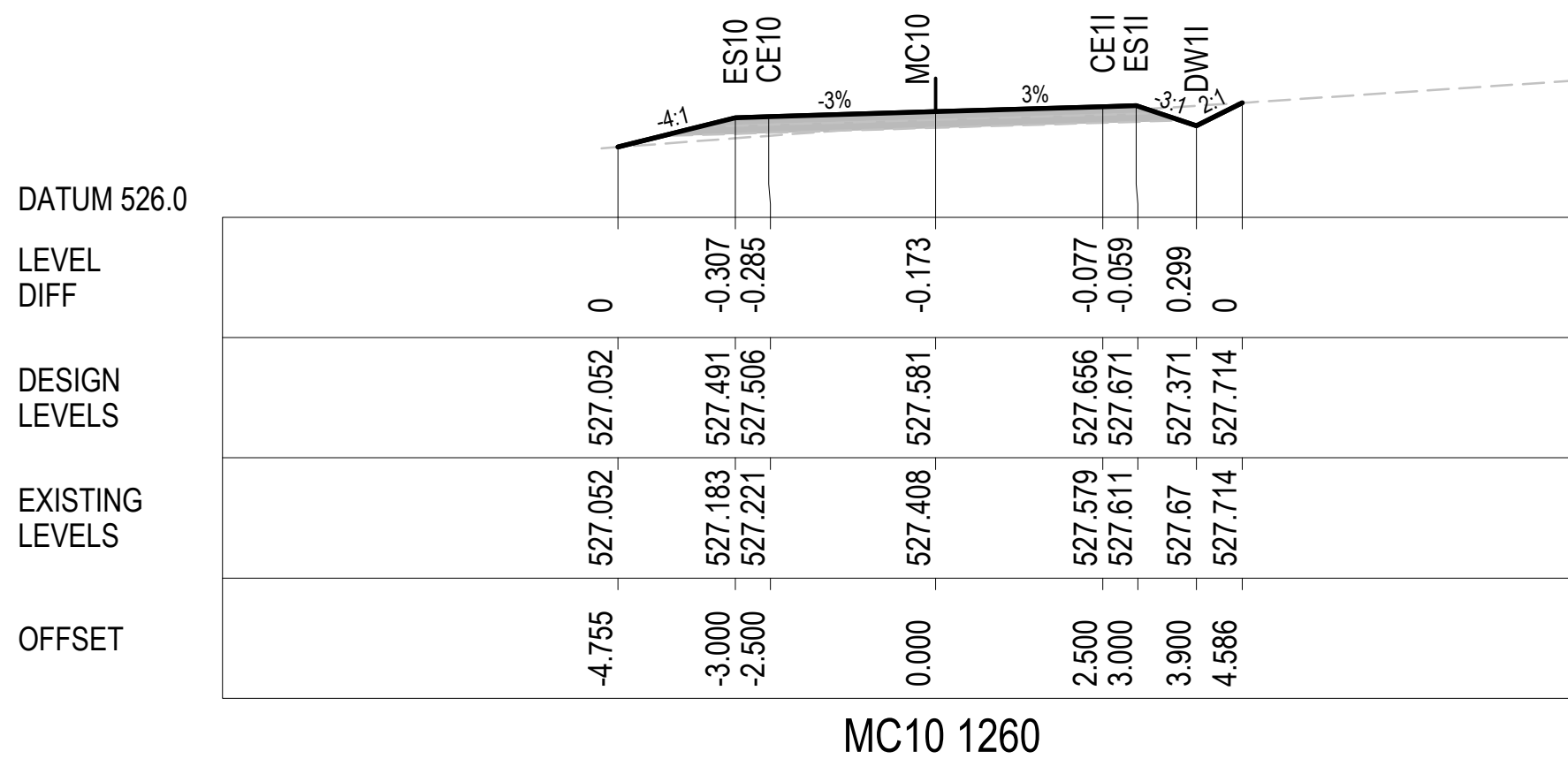
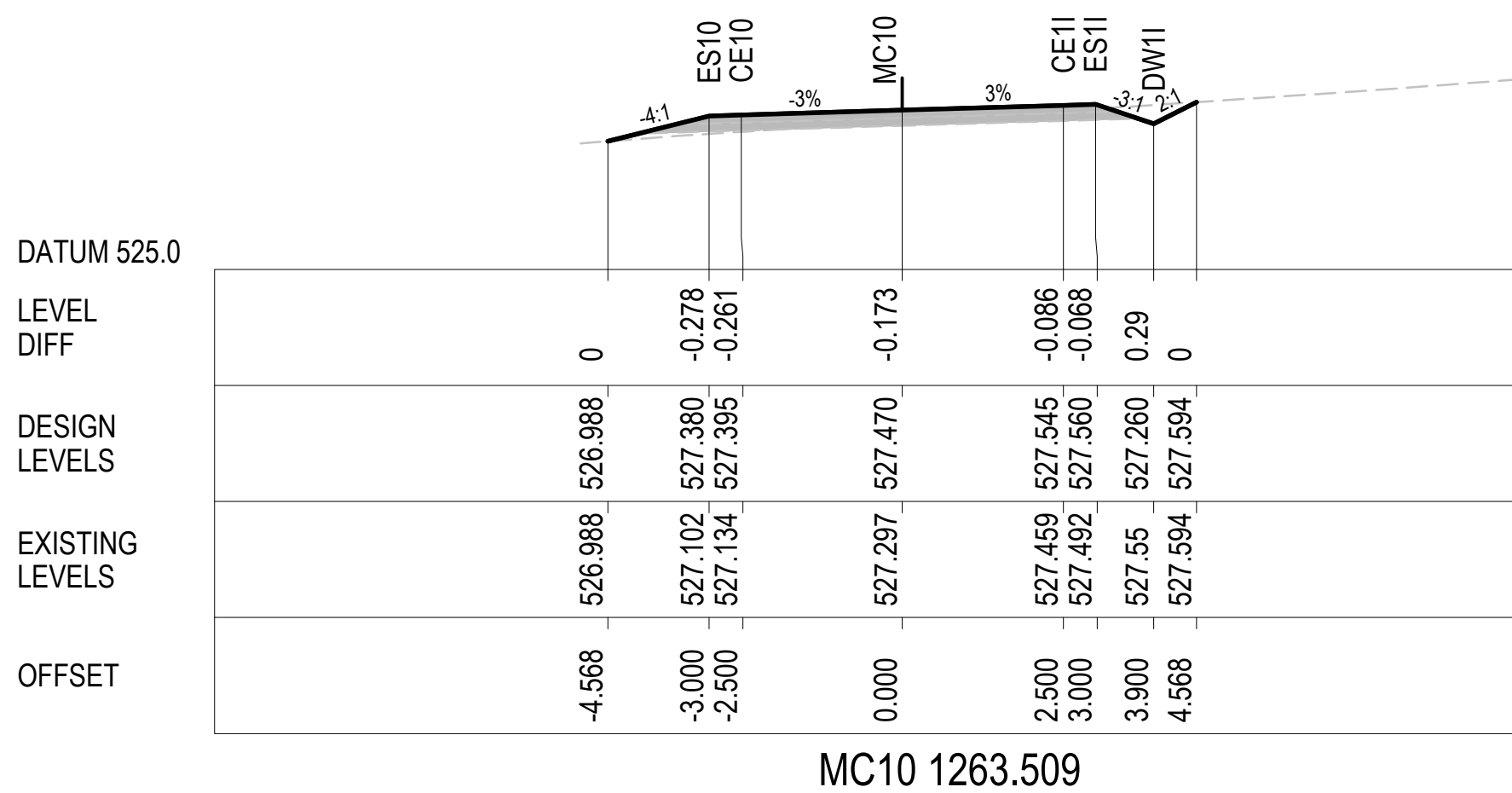
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|                  |                    |                                                                                          |
|------------------|--------------------|------------------------------------------------------------------------------------------|
| Drawn<br>G.J.    | Date<br>17/05/2017 | Client<br>GOLDWIND AUSTRALIA                                                             |
| Checked<br>J.H.  | Date<br>17/05/2017 | Project<br>YASS VALLEY WIND FARM                                                         |
| Designed<br>RIC  | Date<br>17/05/2017 | Access Road Improvements at Whitefields Road and Hume Highway, Berremangra - Civil Works |
| Verified<br>J.H. | Date<br>17/05/2017 | Title<br>CROSS SECTIONS<br>WHITEFIELDS RD (MC10) - SHEET 9 OF 10                         |
| Approved         |                    |                                                                                          |
| M.P.             | 17/05/2017         |                                                                                          |

|                                                    |                   |
|----------------------------------------------------|-------------------|
| Status<br>NOT TO BE USED FOR CONSTRUCTION PURPOSES | FOR APPROVAL      |
| DATUM<br>AHD                                       | Scale<br>1:100@A1 |
| Drawing Number<br>50517019 - C38                   | Size<br>A1        |
| Revision<br>2                                      |                   |

|      |            |                   |        |        |        |
|------|------------|-------------------|--------|--------|--------|
| Rev. | Date       | Description       | Des.   | Verif. | Appd.  |
| 2    | 6/11/2018  | ROAD RE-ALIGNMENT | P.D.J. | RIC    | S.A.S. |
| 1    | 25/10/2018 | ROAD RE-ALIGNMENT | P.D.J. | RIC    | S.A.S. |


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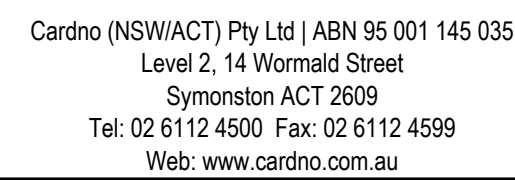


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|------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|
| Drawn<br>G.J.    | Date<br>17/05/2017 | Client<br><b>GOLDWIND AUSTRALIA</b>                                                                                             |  |                                                                           |  |
| Checked<br>J.H.  | Date<br>17/05/2017 | Project<br>YASS VALLEY WIND FARM<br>ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD<br>AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS |  | Status<br><b>FOR APPROVAL</b><br>NOT TO BE USED FOR CONSTRUCTION PURPOSES |  |
| Designed<br>R.C. | Date<br>17/05/2017 | Title<br>CROSS SECTIONS<br>WHITEFIELDS RD (MC10) - SHEET 10 OF 10                                                               |  | DATUM<br>AHD<br>Scale<br>1:100@A1<br>Size<br>A1                           |  |
| Verified<br>J.H. | Date<br>17/05/2017 |                                                                                                                                 |  | Drawing Number<br>50517019 - C39<br>Revision<br>2                         |  |
| Approved<br>M.P. | Date<br>17/05/2017 |                                                                                                                                 |  |                                                                           |  |



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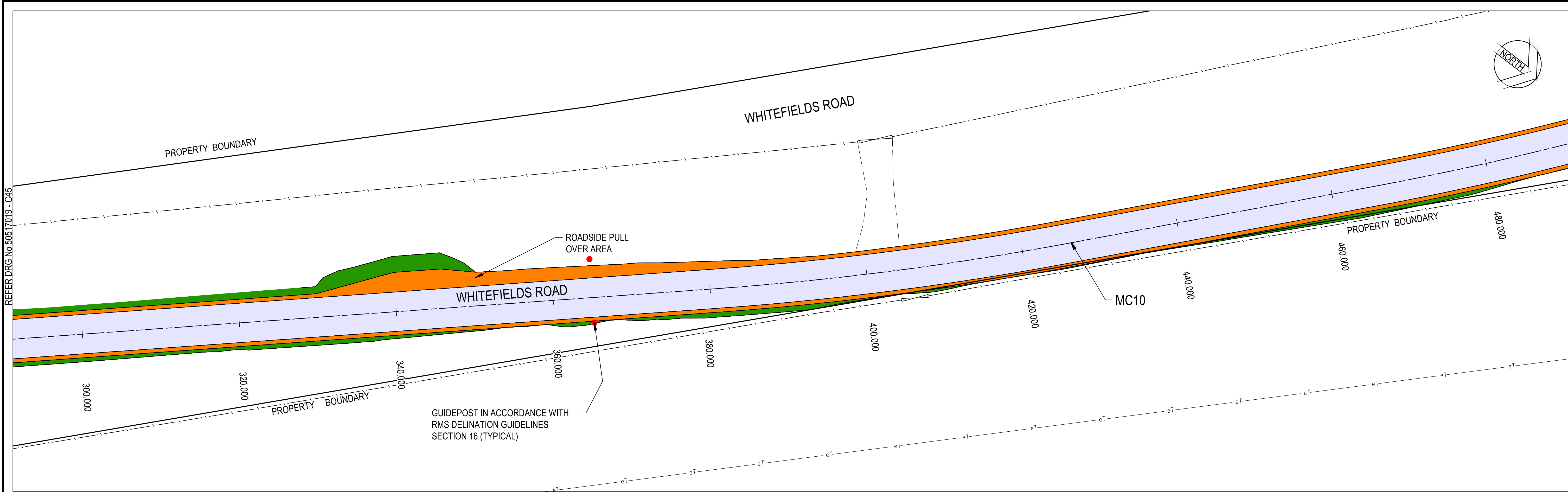
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| Drawn<br>P.D.J.   | Date<br>25/10/2018 | Client<br>GOLDWIND AUSTRALIA                                                                                                    |                                                                                                                                       |
| Checked<br>S.A.S  | Date<br>25/10/2018 | Project<br>YASS VALLEY WIND FARM<br>ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD<br>AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS | Status<br><div style="color: red; font-weight: bold; text-align: center;">FOR APPROVAL</div> NOT TO BE USED FOR CONSTRUCTION PURPOSES |
| Designed<br>R.C   | Date<br>25/10/2018 |                                                                                                                                 |                                                                                                                                       |
| Verified<br>S.A.S | Date<br>25/10/2018 |                                                                                                                                 |                                                                                                                                       |
| Approved          |                    | Title<br>PAVEMENT PLAN AND TRAFFIC CONTROL DEVICES<br>SHEET 1 OF 4                                                              | DATUM<br>AHD<br>Scale<br>1:100@A1<br>Size<br>A1<br>Drawing Number<br>50517019 - C45<br>Revision<br>1                                  |
| M.P.              | 25/10/2018         |                                                                                                                                 |                                                                                                                                       |

DATE PLOTTED: 6 November 2018 12:57 PM BY: PHILLIP JEWELL

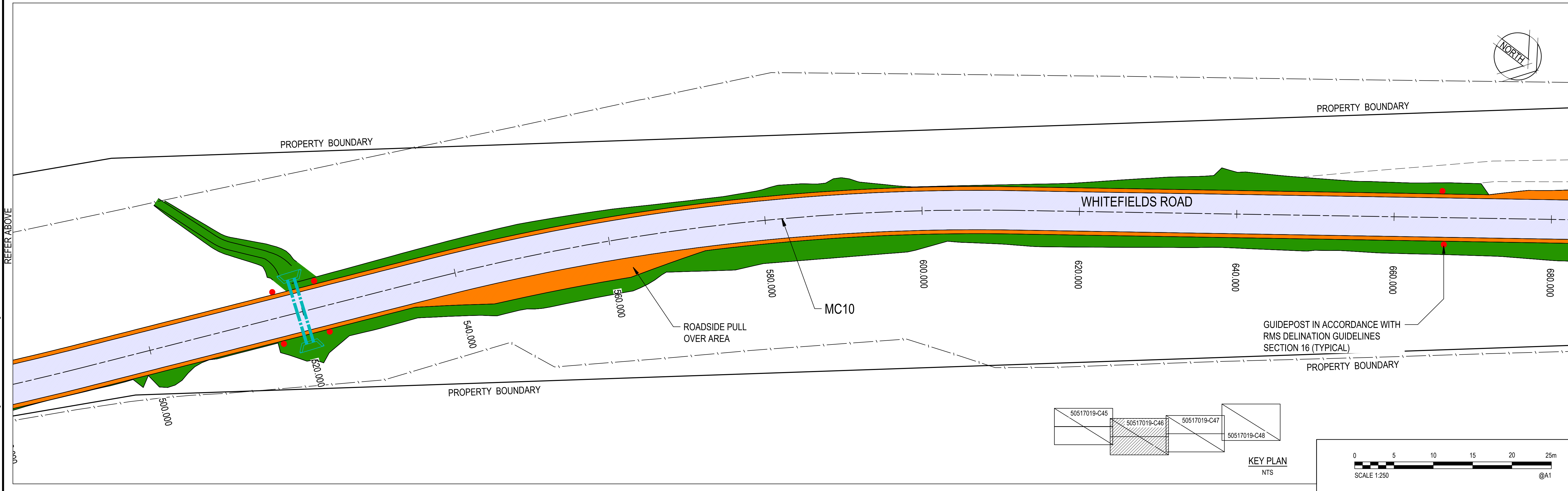
REFER DRG No 50517019 - C45

REFER ABOVE

XREFs: XRF CONTROL MAIN 250; X-CUT 2604; DTI: X-SW/ROUGH AS GUTS; X-DESIGN; X-YASS-BASE; X-S DESIGN BDY; X-PAVE HATCH  
CAD File: N:\Projects\50517019\_YASS VALLEY WIND FARM\Drawings\50517019-C45-PTTCD.dwg



REFER BELOW



REFER DRG No 50517019 - C47

| Rev. | Date      | Description       | Des.   | Verif. | Appd.  |
|------|-----------|-------------------|--------|--------|--------|
| 1    | 6/11/2018 | ROAD RE-ALIGNMENT | P.D.J. | RIC    | S.A.S. |



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|----------|--------|------|------------|
| Drawn    | P.D.J. | Date | 25/10/2018 |
| Checked  | S.A.S. | Date | 25/10/2018 |
| Designed | RIC    | Date | 25/10/2018 |
| Verified | S.A.S. | Date | 25/10/2018 |
| Approved | M.P.   | Date | 25/10/2018 |

|         |                                                                                          |
|---------|------------------------------------------------------------------------------------------|
| Client  | GOLDWIND AUSTRALIA                                                                       |
| Project | YASS VALLEY WIND FARM                                                                    |
| Title   | ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS |
| Title   | PAVEMENT PLAN AND TRAFFIC CONTROL DEVICES                                                |
| Title   | SHEET 1 OF 4                                                                             |

|                |                |
|----------------|----------------|
| Status         | FOR APPROVAL   |
| DATUM          | AHD            |
| Scale          | 1:100@A1       |
| Size           | A1             |
| Drawing Number | 50517019 - C46 |
| Revision       | 1              |

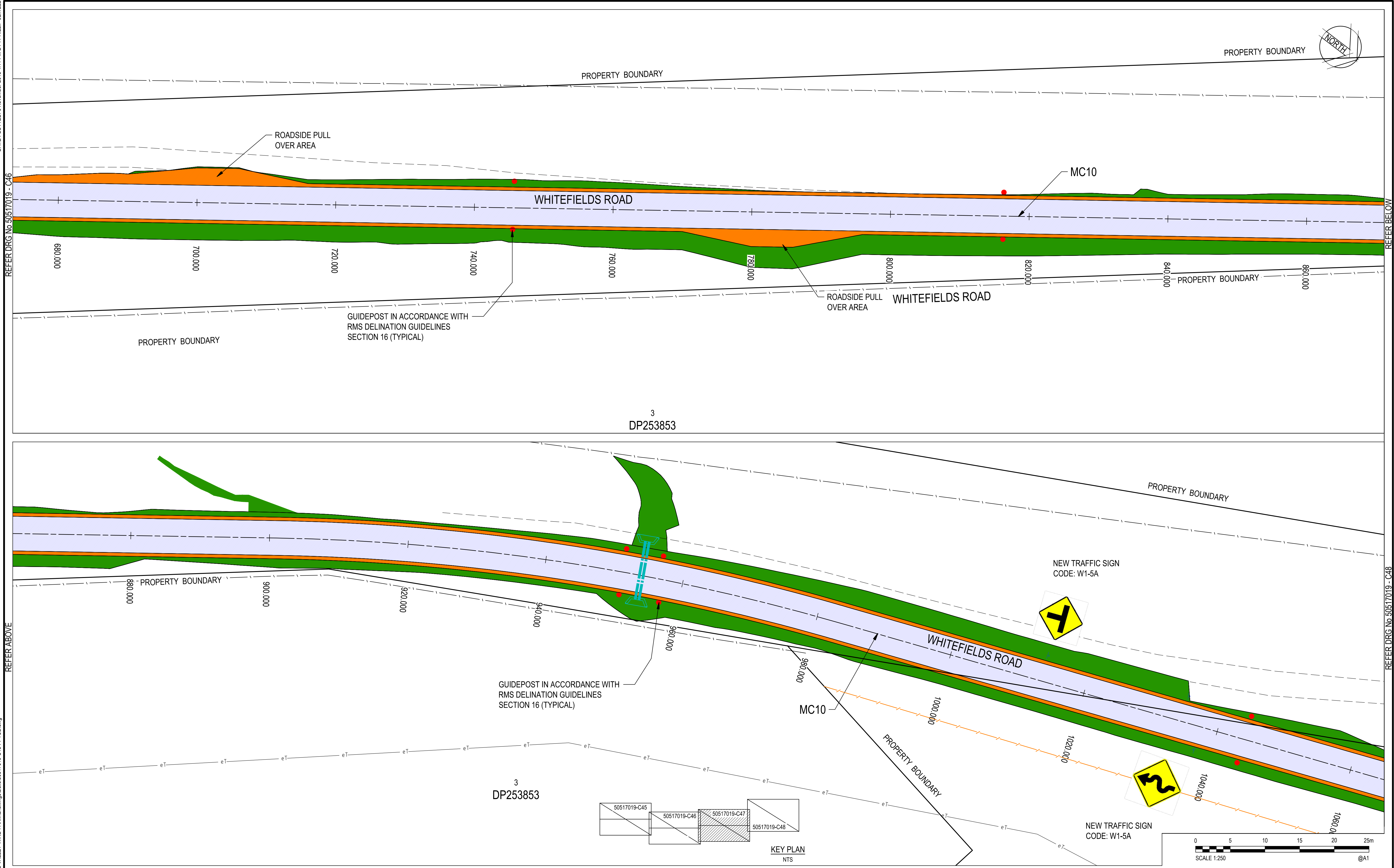
DATE PLOTTED: 6 November 2018 4:41 PM BY: PHILLIP JEWELL

REFER DRG No 50517019 - C46

REFER ABOVE

REFER BELOW

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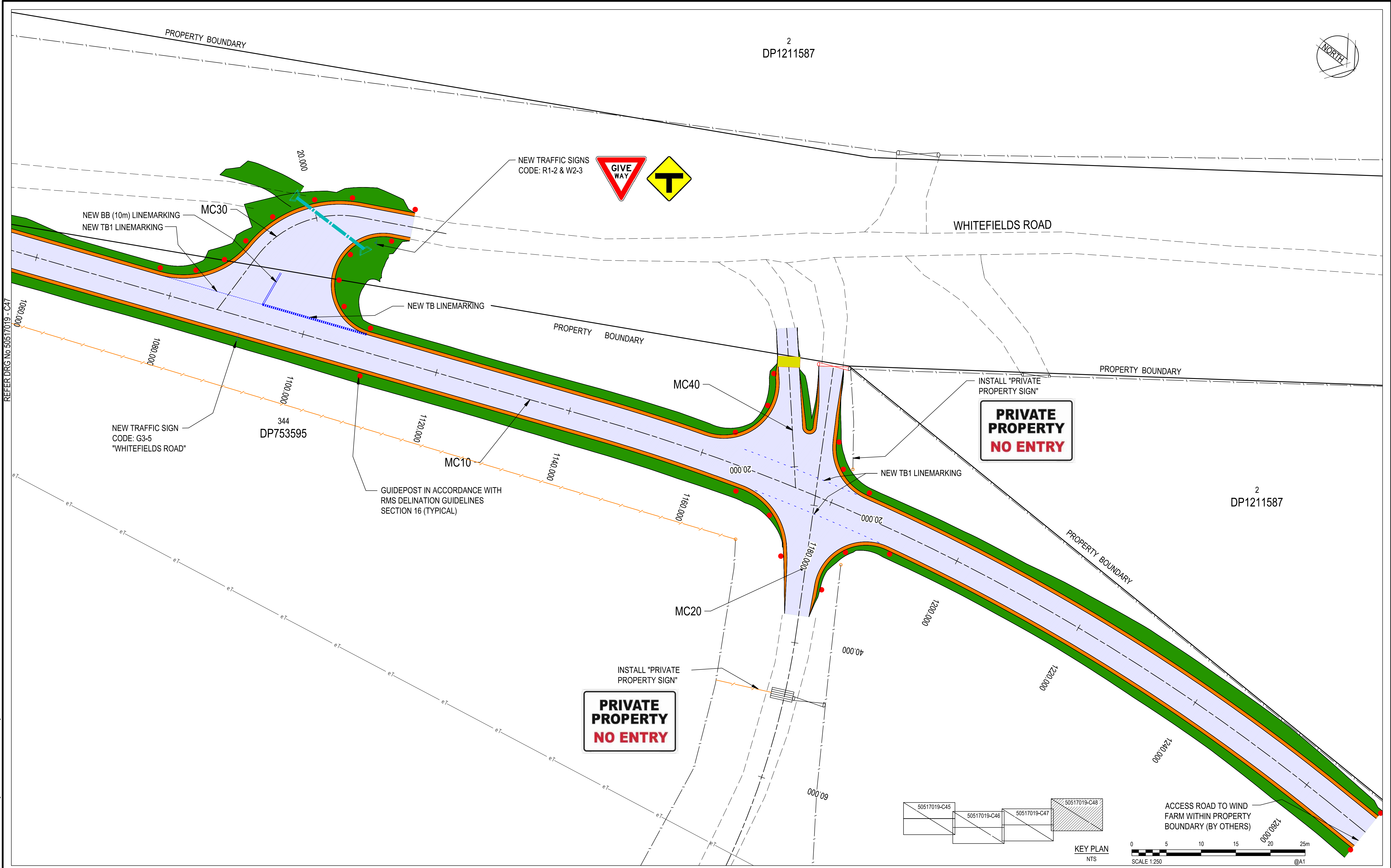


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DATE PLOTTED: 6 November 2018 12:58 PM BY: PHILLIP JEWELL

REFER DRG No 50517019 - C47

XREFs: XRF CONTROL MAIN 250; X-CVT 2604; DTI: X-SW/ROUGH AS GUTS; X-DESIGN; X-YASS-BASE; X-S DESIGN BDY; X-PAVE HATCH  
CAD File: N:\Projects\50517019 - YASS VALLEY WIND FARM\Drawings\50517019-C45-PTCD.dwg



| Rev. | Date      | Description       | Des.   | Verif. | Appd.  |
|------|-----------|-------------------|--------|--------|--------|
| 1    | 6/11/2018 | ROAD RE-ALIGNMENT | P.D.J. | RIC    | S.A.S. |



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| Drawn    | P.D.J. | Date | 25/10/2018 |
| Checked  | S.A.S. | Date | 25/10/2018 |
| Designed | RIC    | Date | 25/10/2018 |
| Verified | S.A.S. | Date | 25/10/2018 |
| Approved | M.P.   | Date | 25/10/2018 |

|                |                                                                                          |
|----------------|------------------------------------------------------------------------------------------|
| Client         | GOLDWIND AUSTRALIA                                                                       |
| Project        | YASS VALLEY WIND FARM                                                                    |
| Title          | ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS |
| Drawing Number | 50517019 - C48                                                                           |
| Revision       | 1                                                                                        |

|                |                |
|----------------|----------------|
| Status         | FOR APPROVAL   |
| DATUM          | AHD            |
| Scale          | 1:100@A1       |
| Size           | A1             |
| Drawing Number | 50517019 - C48 |
| Revision       | 1              |

| ALIGNMENT->MC10 HORIZONTAL SEGMENTS |          |            |             |         |               |         |          |         |
|-------------------------------------|----------|------------|-------------|---------|---------------|---------|----------|---------|
| PT                                  | CHAINAGE | EASTING    | NORTHING    | HEIGHT  | BEARING       | DEP.SEG | DEP.RAD  | DEP.LEN |
| S                                   | 0.000    | 644703.848 | 6147264.490 | 498.346 | 10°36'03.77"  | LINE    |          | 10.845  |
| TC                                  | 10.845   | 644705.843 | 6147275.150 | 498.037 | 10°36'03.77"  | ARC     | -40.000  | 16.410  |
| CT                                  | 27.255   | 644705.515 | 6147291.441 | 497.459 | 347°05'44.85" | LINE    |          | 8.931   |
| TC                                  | 36.186   | 644703.521 | 6147300.147 | 497.384 | 347°05'44.85" | ARC     | -150.000 | 63.385  |
| CT                                  | 99.570   | 644676.922 | 6147357.162 | 498.241 | 322°53'04.86" | LINE    |          | 67.641  |
| TC                                  | 167.211  | 644636.106 | 6147411.100 | 499.363 | 322°53'04.86" | ARC     | -660.000 | 51.624  |
| CT                                  | 218.835  | 644603.378 | 6147451.007 | 500.029 | 318°24'11.31" | LINE    |          | 161.887 |
| TC                                  | 380.722  | 644495.904 | 6147572.071 | 504.913 | 318°24'11.31" | ARC     | -400.000 | 44.944  |
| CT                                  | 425.666  | 644464.243 | 6147603.937 | 505.301 | 311°57'55.52" | LINE    |          | 39.732  |
| TC                                  | 465.398  | 644434.700 | 6147630.504 | 505.345 | 311°57'55.52" | ARC     | -400.000 | 26.094  |
| CT                                  | 491.492  | 644414.743 | 6147647.308 | 505.489 | 308°13'39.60" | LINE    |          | 45.724  |
| TC                                  | 537.216  | 644378.824 | 6147675.602 | 505.959 | 308°13'39.60" | ARC     | 280.000  | 74.503  |
| CT                                  | 611.719  | 644327.082 | 6147728.902 | 507.342 | 323°28'23.11" | LINE    |          | 289.242 |
| TC                                  | 900.961  | 644154.926 | 6147961.330 | 518.752 | 323°28'23.11" | ARC     | 310.000  | 81.701  |
| CT                                  | 982.662  | 644115.460 | 6148032.597 | 522.682 | 338°34'24.60" | LINE    |          | 160.672 |
| TC                                  | 1143.334 | 644056.765 | 6148182.164 | 530.027 | 338°34'24.60" | ARC     | 300.000  | 120.174 |
| CT                                  | 1263.509 | 644036.137 | 6148299.741 | 527.470 | 1°31'30.45"   | LINE    |          | 7.311   |
| E                                   | 1270.819 | 644036.332 | 6148307.049 | 527.239 | 1°31'30.45"   |         |          |         |

| ALIGNMENT->MC20 HORIZONTAL SEGMENTS |          |            |             |         |              |         |         |         |
|-------------------------------------|----------|------------|-------------|---------|--------------|---------|---------|---------|
| PT                                  | CHAINAGE | EASTING    | NORTHING    | HEIGHT  | BEARING      | DEP.SEG | DEP.RAD | DEP.LEN |
| S                                   | 0.000    | 644029.934 | 6148205.474 | 529.453 | 60°28'34.07" | LINE    |         | 37.752  |
| TC                                  | 37.752   | 644062.784 | 6148224.077 | 530.719 | 60°28'34.07" | ARC     | 119.675 | 48.126  |
| CT                                  | 85.878   | 644108.246 | 6148238.852 | 533.679 | 83°31'01.82" | LINE    |         | 3.775   |
| E                                   | 89.653   | 644111.997 | 6148239.278 | 533.981 | 83°31'01.82" |         |         |         |

| ALIGNMENT->MC30 HORIZONTAL SEGMENTS |          |            |             |         |               |         |         |         |
|-------------------------------------|----------|------------|-------------|---------|---------------|---------|---------|---------|
| PT                                  | CHAINAGE | EASTING    | NORTHING    | HEIGHT  | BEARING       | DEP.SEG | DEP.RAD | DEP.LEN |
| S                                   | 0.000    | 644077.302 | 6148129.831 | 527.029 | 269°18'55.59" | LINE    |         | 9.466   |
| TC                                  | 9.466    | 644067.837 | 6148129.718 | 526.953 | 269°18'55.59" | ARC     | 15.000  | 16.739  |
| CT                                  | 26.205   | 644054.263 | 6148137.966 | 526.798 | 333°15'13.27" | LINE    |         | 12.776  |
| E                                   | 38.981   | 644048.513 | 6148149.375 |         | 333°15'13.27" |         |         |         |

| ALIGNMENT->MC40 HORIZONTAL SEGMENTS |          |            |             |         |              |         |         |
|-------------------------------------|----------|------------|-------------|---------|--------------|---------|---------|
| PT                                  | CHAINAGE | EASTING    | NORTHING    | HEIGHT  | BEARING      | DEP.SEG | DEP.LEN |
| S                                   | 0.000    | 644029.465 | 6148196.652 | 529.675 | 49°19'57.02" | LINE    | 9.904   |
| TT                                  | 9.904    | 644036.977 | 6148203.106 | 530.011 | 49°19'57.02" | LINE    | 13.113  |
| E                                   | 23.017   | 644046.924 | 6148211.652 | 530.202 | 49°19'57.02" |         |         |

| ALIGNMENT KERB RETURN->MK01 HORIZONTAL SEGMENTS |          |            |             |         |               |         |         |         |
|-------------------------------------------------|----------|------------|-------------|---------|---------------|---------|---------|---------|
| PT                                              | CHAINAGE | EASTING    | NORTHING    | HEIGHT  | BEARING       | DEP.SEG | DEP.RAD | DEP.LEN |
| S                                               | 0.000    | 644048.836 | 6148196.757 | 530.214 | 229°19'57.02" | ARC     | -8.000  | 15.689  |
| E                                               | 15.689   | 644036.027 | 6148200.312 | 530.022 | 229°19'57.02" |         |         |         |

| ALIGNMENT KERB RETURN->MK02 HORIZONTAL SEGMENTS |          |            |             |         |               |         |         |         |
|-------------------------------------------------|----------|------------|-------------|---------|---------------|---------|---------|---------|
| PT                                              | CHAINAGE | EASTING    | NORTHING    | HEIGHT  | BEARING       | DEP.SEG | DEP.RAD | DEP.LEN |
| S                                               | 0.000    | 644054.504 | 6148215.837 | 530.424 | 163°06'05.81" | ARC     | -10.000 | 11.659  |
| E                                               | 11.659   | 644051.377 | 6148205.281 | 530.359 | 163°06'05.81" |         |         |         |

| ALIGNMENT KERB RETURN->MK03 HORIZONTAL SEGMENTS |          |            |             |         |              |         |         |         |
|-------------------------------------------------|----------|------------|-------------|---------|--------------|---------|---------|---------|
| PT                                              | CHAINAGE | EASTING    | NORTHING    | HEIGHT  | BEARING      | DEP.SEG | DEP.RAD | DEP.LEN |
| S                                               | 0.000    | 644045.576 | 6148227.398 | 529.865 | 60°28'34.07" | ARC     | -7.500  | 14.010  |
| E                                               | 14.010   | 644056.594 | 6148222.494 | 530.472 | 60°28'34.07" |         |         |         |

| ALIGNMENT KERB RETURN->MK04 HORIZONTAL SEGMENTS |          |            |             |         |               |         |         |         |
|-------------------------------------------------|----------|------------|-------------|---------|---------------|---------|---------|---------|
| PT                                              | CHAINAGE | EASTING    | NORTHING    | HEIGHT  | BEARING       | DEP.SEG | DEP.RAD | DEP.LEN |
| S                                               | 0.000    | 644038.181 | 6148211.776 | 529.829 | 346°23'54.68" | ARC     | -8.000  | 10.343  |
| E                                               | 10.343   | 644042.015 | 6148220.619 | 529.897 | 346°23'54.68" |         |         |         |

| ALIGNMENT KERB RETURN->MK05 HORIZONTAL SEGMENTS |          |            |             |         |               |         |         |         |
|-------------------------------------------------|----------|------------|-------------|---------|---------------|---------|---------|---------|
| PT                                              | CHAINAGE | EASTING    | NORTHING    | HEIGHT  | BEARING       | DEP.SEG | DEP.RAD | DEP.LEN |
| S                                               | 0.000    | 644078.397 | 6148120.197 | 526.426 | 271°45'57.04" | ARC     | -12.500 | 14.575  |
| E                                               | 14.575   | 644067.147 | 6148128.124 | 526.897 | 271°45'57.04" |         |         |         |

| ALIGNMENT KERB RETURN->MK06 HORIZONTAL SEGMENTS |          |            |             |         |               |         |         |         |
|-------------------------------------------------|----------|------------|-------------|---------|---------------|---------|---------|---------|
| PT                                              | CHAINAGE | EASTING    | NORTHING    | HEIGHT  | BEARING       | DEP.SEG | DEP.RAD | DEP.LEN |
| S                                               | 0.000    | 644053.243 | 6148143.322 | 526.934 | 338°34'24.60" | ARC     | -7.500  | 22.866  |
| E                                               | 22.866   | 644066.923 | 6148149.437 | 528.274 | 338°34'24.60" |         |         |         |

| ALIGNMENT KERB RETURN->MK07 HORIZONTAL SEGMENTS |          |            |             |         |               |         |         |         |
|-------------------------------------------------|----------|------------|-------------|---------|---------------|---------|---------|---------|
| PT                                              | CHAINAGE | EASTING    | NORTHING    | HEIGHT  | BEARING       | DEP.SEG | DEP.RAD | DEP.LEN |
| S                                               | 0.000    | 644039.405 | 6148207.170 | 530.018 | 240°28'34.07" | ARC     | -1.000  | 2.947   |
| E                                               | 2.947    | 644038.261 | 6148208.798 | 529.831 | 240°28'34.07" |         |         |         |

|      |            |                   |  |        |        |        |  |  |
|------|------------|-------------------|--|--------|--------|--------|--|--|
|      |            |                   |  |        |        |        |  |  |
|      |            |                   |  |        |        |        |  |  |
|      |            |                   |  |        |        |        |  |  |
|      |            |                   |  |        |        |        |  |  |
| 4    | 6/11/2018  | ROAD RE-ALIGNMENT |  | P.D.J. | RIC    | S.A.S. |  |  |
| 3    | 25/10/2018 | ROAD RE-ALIGNMENT |  | P.D.J. | RIC    | S.A.S. |  |  |
| 2    | 17/03/2017 | FINAL SUBMISSION  |  | G.J.   | RIC    | J.H.   |  |  |
| 1    | 23/12/2016 | 90% DOCUMENTATION |  | G.J.   | RIC    | J.H.   |  |  |
| Rev. | Date       | Description       |  | Des.   | Verif. | Appd.  |  |  |



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|                  |                    |                                                                                                                                 |
|------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Drawn<br>G.J.    | Date<br>23/12/2016 | Client<br>GOLDWIND AUSTRALIA                                                                                                    |
| Checked<br>J.H.  | Date<br>23/12/2016 | Project<br>YASS VALLEY WIND FARM<br>ACCESS ROAD IMPROVEMENTS AT WHITEFIELDS ROAD<br>AND HUME HIGHWAY, BERREMANGRA - CIVIL WORKS |
| Designed<br>RIC  | Date<br>23/12/2016 | Status<br><b>FOR APPROVAL</b><br>NOT TO BE USED FOR CONSTRUCTION PURPOSES                                                       |
| Verified<br>J.H. | Date<br>23/12/2016 | DATUM<br>AHD                                                                                                                    |
| Approved         |                    | Scale<br>NTS                                                                                                                    |
| M.P.             | 23/12/2016         | Size<br>A1                                                                                                                      |
|                  |                    | Drawing Number<br>50517019 - C50                                                                                                |
|                  |                    | Revision<br>4                                                                                                                   |