

A417 Missing Link
TR010056

2.6b Engineering Drawings
and Sections

Planning Act 2008

APFP Regulation 6(2)
Infrastructure Planning (Applications: Prescribed Forms and
Procedure) Regulations 2009

Volume 2

May 2021

Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning
(Applications: Prescribed Forms
and Procedure) Regulations 2009**

A417 Missing Link

Development Consent Order 202[x]

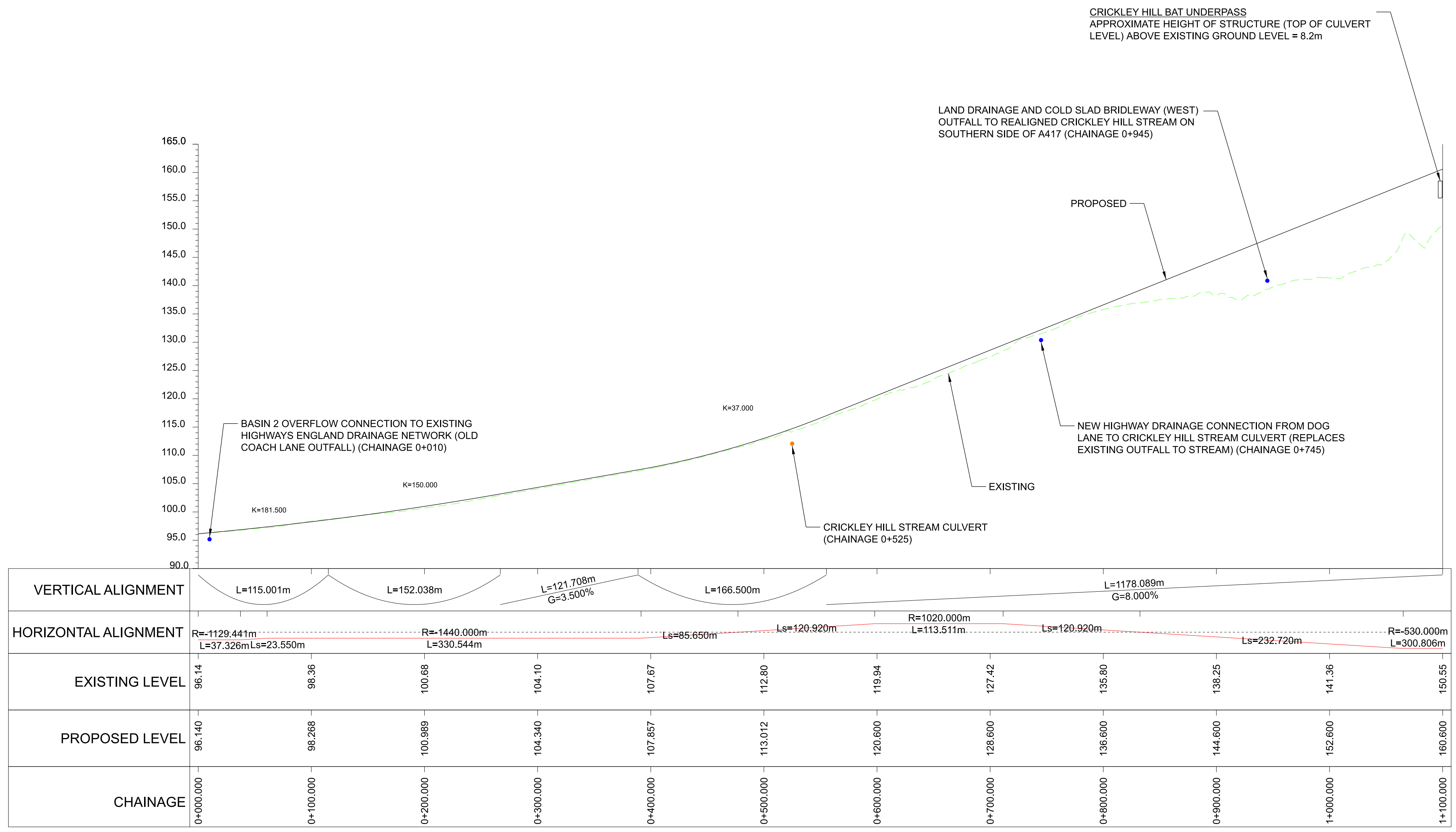
2.6b Engineering Drawings and Sections

| | |
|---|-------------------|
| Regulation Number: | 6(2) |
| Planning Inspectorate Scheme Reference | TR010056 |
| Application Document Reference | 2.6b |
| Author: | A417 Missing Link |

| Version | Date | Status of Version |
|----------------|-------------|--------------------------|
| C01 | May 2021 | Application Submission |

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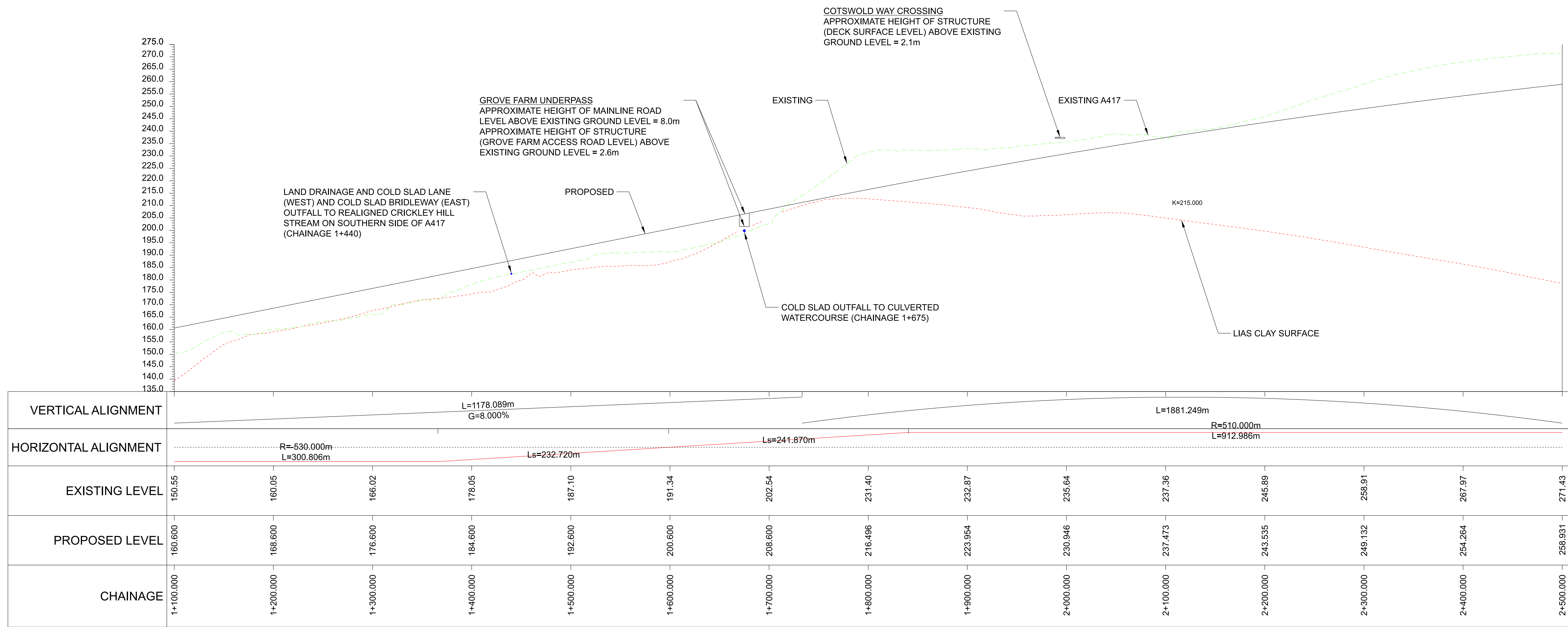


A417 MAINLINE
SCALE 1:2500 (HORIZ), 1:500 (VERT)

- LEGEND**
- EXISTING LEVEL
 - PROPOSED LEVEL
 - LOCATION OF DRAINAGE OUTFALL
 - LOCATION OF CULVERT
 - LOCATION OF MAMMAL CULVERT

- NOTES**
1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 2. TO BE READ IN CONJUNCTION WITH GENERAL ARRANGEMENT DRAWINGS: HE551505-ARP-LSI-X_XX_XXXX_X-DR-ZL-100000 TO HE55105-ARP-LSI-X_XX_XXXX_X-DR-ZL-100006.

| | | Suitability A3 | Drawing Status STAGE COMPLETED | | Project Title A417 MISSING LINK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------|-----------------------------------|--|-------------|---|---------------|-------|--------|-----|----------|-----------------------------------|---|----|----|----|--|--|-------|----|---------|----------|------------|--|----------|----|----|----|----|--|---------------|------|------|------|------|--|----|----------|----------|----------|----------|--|----------------|--|--|--|--|--|------------|--|------------|--|--------|--|-------------|--|-------------------|--|-----|--|----------|--|------|--|------|--|
| <table border="1" style="width: 100%; text-align: center;"> <tr> <th colspan="6">Drawing Title</th> </tr> <tr> <td colspan="6">ENGINEERING SECTION DRAWINGS A417 MAINLINE - SHEET 1 OF 4 APFP REGULATIONS 6(2) APPLICATION NUMBER: TR010056</td> </tr> <tr> <th>Scale</th> <th>By</th> <th>Checked</th> <th>Approved</th> <th colspan="2">Authorised</th> </tr> <tr> <td>As Shown</td> <td>JF</td> <td>DA</td> <td>CT</td> <td colspan="2">YB</td> </tr> <tr> <th>Original Size</th> <th>Date</th> <th>Date</th> <th>Date</th> <th colspan="2">Date</th> </tr> <tr> <td>A1</td> <td>20/05/21</td> <td>20/05/21</td> <td>24/05/21</td> <td colspan="2">24/05/21</td> </tr> <tr> <th colspan="6">Drawing Number</th> </tr> <tr> <td colspan="2">HE551505 -</td> <td colspan="2">Originator</td> <td colspan="2">Volume</td> </tr> <tr> <td colspan="2">X_ML_A417_Z</td> <td colspan="2">-DR - ZL - 000001</td> <td colspan="2">C01</td> </tr> <tr> <td colspan="2">Location</td> <td colspan="2">Type</td> <td colspan="2">Role</td> </tr> </table> | | | | | | Drawing Title | | | | | | ENGINEERING SECTION DRAWINGS A417 MAINLINE - SHEET 1 OF 4 APFP REGULATIONS 6(2) APPLICATION NUMBER: TR010056 | | | | | | Scale | By | Checked | Approved | Authorised | | As Shown | JF | DA | CT | YB | | Original Size | Date | Date | Date | Date | | A1 | 20/05/21 | 20/05/21 | 24/05/21 | 24/05/21 | | Drawing Number | | | | | | HE551505 - | | Originator | | Volume | | X_ML_A417_Z | | -DR - ZL - 000001 | | C01 | | Location | | Type | | Role | |
| Drawing Title | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ENGINEERING SECTION DRAWINGS A417 MAINLINE - SHEET 1 OF 4 APFP REGULATIONS 6(2) APPLICATION NUMBER: TR010056 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scale | By | Checked | Approved | Authorised | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| As Shown | JF | DA | CT | YB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Original Size | Date | Date | Date | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1 | 20/05/21 | 20/05/21 | 24/05/21 | 24/05/21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drawing Number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HE551505 - | | Originator | | Volume | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X_ML_A417_Z | | -DR - ZL - 000001 | | C01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location | | Type | | Role | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%;"> <tr> <th>Rev.</th> <th>Date</th> <th>Description</th> <th>By</th> <th>Chk'd</th> <th>App'd</th> <th>Auth'd</th> </tr> <tr> <td>C01</td> <td>24/05/21</td> <td>APPLICATION SUBMISSION (MAY 2021)</td> <td>JF</td> <td>DA</td> <td>CT</td> <td>YB</td> </tr> </table> | | Rev. | Date | Description | By | Chk'd | App'd | Auth'd | C01 | 24/05/21 | APPLICATION SUBMISSION (MAY 2021) | JF | DA | CT | YB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rev. | Date | Description | By | Chk'd | App'd | Auth'd | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C01 | 24/05/21 | APPLICATION SUBMISSION (MAY 2021) | JF | DA | CT | YB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



A417 MAINLINE
SCALE 1:2500 (HORIZ), 1:500 (VERT)

| Rev. | Date | Description | By | Chk'd | App'd | Auth'd |
|------|----------|-----------------------------------|----|-------|-------|--------|
| C01 | 24/05/21 | APPLICATION SUBMISSION (MAY 2021) | JF | DA | CT | YB |

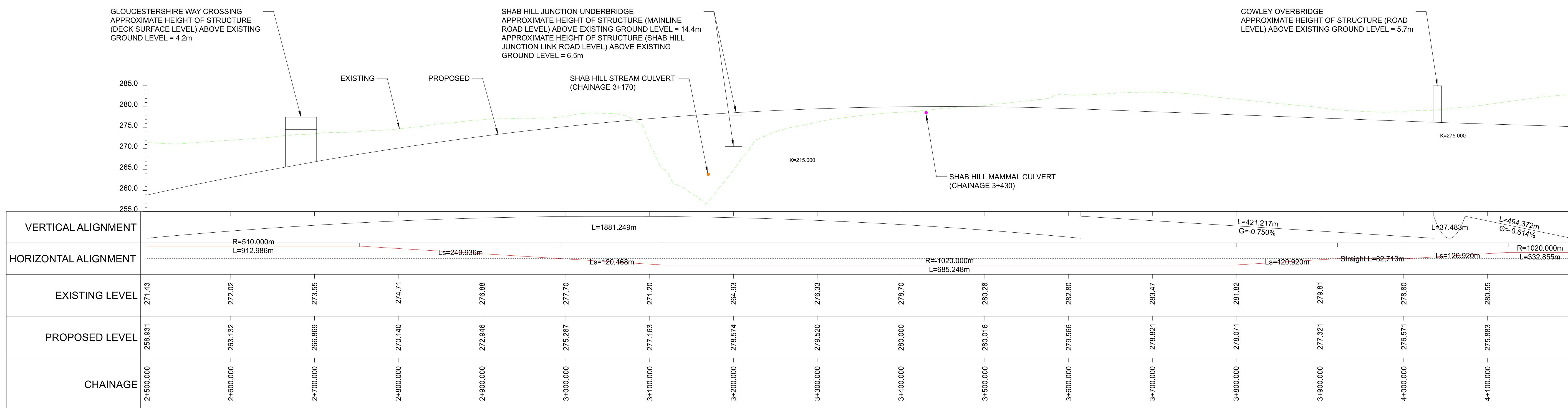
LEGEND

- EXISTING LEVEL
- PROPOSED LEVEL
- LOCATION OF DRAINAGE OUTFALL
- LOCATION OF CULVERT
- LOCATION OF MAMMAL CULVERT

NOTES

- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- TO BE READ IN CONJUNCTION WITH GENERAL ARRANGEMENT DRAWINGS: HE551505-ARP-LSI-X_XX_XXXX_X-DR-ZL-100000 TO HE55105-ARP-LSI-X_XX_XXXX_X-DR-ZL-100006.

| | | | | | | | | | | | | | | |
|-------------|----|----------------|-----------------|----------------|---|------------|----------|--------|----------|----------|----------|----|------------|----|
| Suitability | A3 | Drawing Status | STAGE COMPLETED | Project Title | A417 MISSING LINK | | | | | | | | | |
| | | | | Drawing Title | ENGINEERING SECTION DRAWINGS A417 MAINLINE - SHEET 2 OF 4 APFP REGULATIONS 6(2) APPLICATION NUMBER: TR010056 | | | | | | | | | |
| Client | | | | | Scale | As Shown | By | JF | Checked | DA | Approved | CT | Authorised | YB |
| | | Original Size | A1 | Date | 20/05/21 | Date | 20/05/21 | Date | 24/05/21 | Date | 24/05/21 | | | |
| | | | | Drawing Number | HE551505 | Originator | ARP | Volume | LSI | Revision | | | | |
| | | | | X ML A417 Z | -DR-ZL | -000002 | C01 | | | | | | | |



A417 MAINLINE
SCALE 1:2500 (HORIZ), 1:500 (VERT)

LEGEND

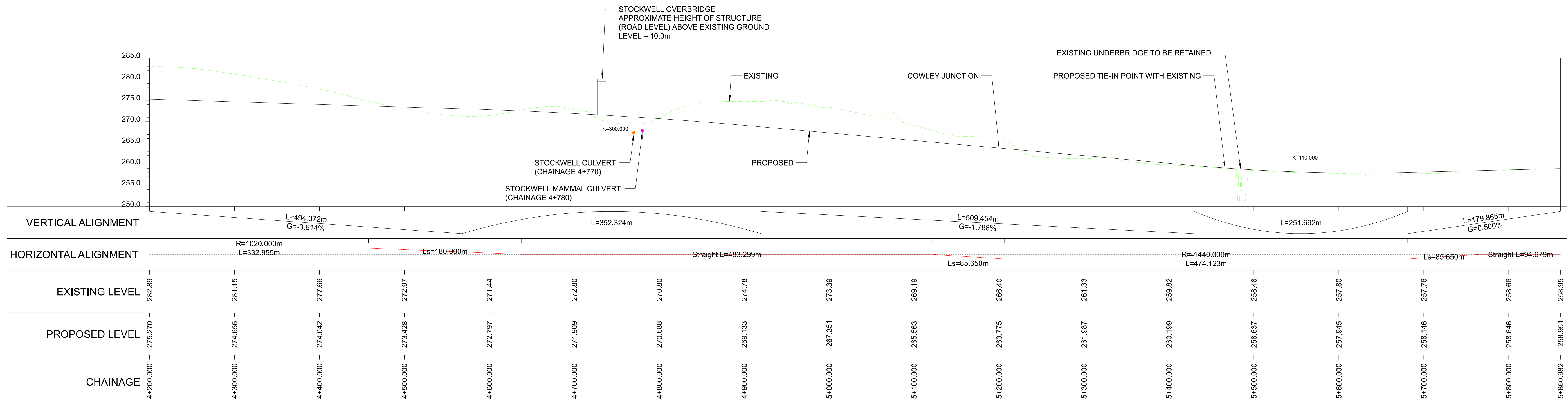
- EXISTING LEVEL
- PROPOSED LEVEL
- LOCATION OF DRAINAGE OUTFALL
- LOCATION OF CULVERT
- LOCATION OF MAMMAL CULVERT

NOTES

- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- TO BE READ IN CONJUNCTION WITH GENERAL ARRANGEMENT DRAWINGS: HE551505-ARP-LSI-X_XX_XXXX_X-DR-ZL-100000 TO HE55105-ARP-LSI-X_XX_XXXX_X-DR-ZL-100006.

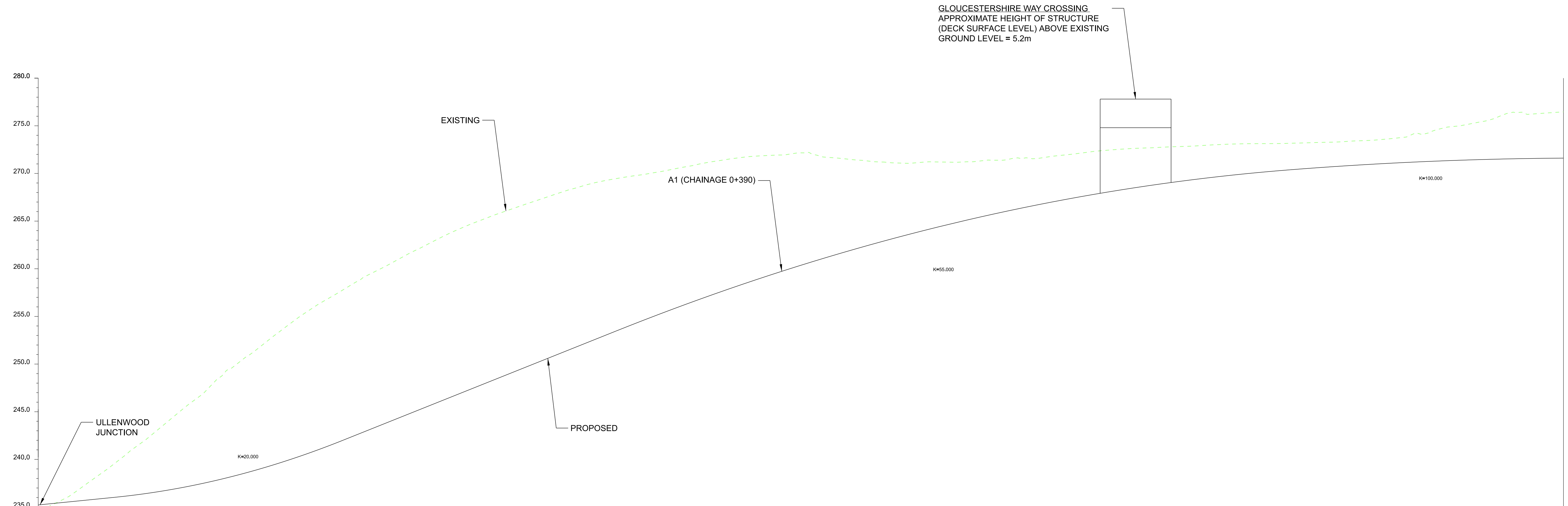
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| C01 | | 24/05/21 | APPLICATION SUBMISSION (MAY 2021) | | JF | DA | CT | YB | | | |
| Rev. | Date | Description | By | Chk'd | App'd | Auth'd | | | | | |

| Suitability A3 | Drawing Status STAGE COMPLETED | Project Title A417 MISSING LINK | | | | | | | | | | | | | | | | |
|--|--|---|------------|----------|------------|----|----|----|----|------|------|------|------|----------|----------|----------|----------|---|
| Drawing Title ENGINEERING SECTION DRAWINGS A417 MAINLINE - SHEET 3 OF 4 APFP REGULATIONS 6(2) APPLICATION NUMBER: TR010056 | | Scale As Shown Original Size A1 | | | | | | | | | | | | | | | | |
| Client | <table border="1"> <tr> <th>By</th><th>Checked</th><th>Approved</th><th>Authorised</th></tr> <tr> <td>JF</td><td>DA</td><td>CT</td><td>YB</td></tr> <tr> <th>Date</th><th>Date</th><th>Date</th><th>Date</th></tr> <tr> <td>20/05/21</td><td>20/05/21</td><td>24/05/21</td><td>24/05/21</td></tr> </table> | By | Checked | Approved | Authorised | JF | DA | CT | YB | Date | Date | Date | Date | 20/05/21 | 20/05/21 | 24/05/21 | 24/05/21 | Drawing Number HE551505 - ARP - LSI X_ML_A417_Z - DR - ZL - 000003 Location Type Role Number |
| By | Checked | Approved | Authorised | | | | | | | | | | | | | | | |
| JF | DA | CT | YB | | | | | | | | | | | | | | | |
| Date | Date | Date | Date | | | | | | | | | | | | | | | |
| 20/05/21 | 20/05/21 | 24/05/21 | 24/05/21 | | | | | | | | | | | | | | | |
| Application Number: TR010056 | | Revision C01 | | | | | | | | | | | | | | | | |



A417 MAINLINE
SCALE 1:2500 (HORIZ), 1:500 (VERT)

| | | | | | | | | | | | |
|--|---|---|--|--|--|--|--|-------------------------------|--|---------------------------------|--|
| LEGEND | NOTES 1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE. 2. TO BE READ IN CONJUNCTION WITH GENERAL ARRANGEMENT DRAWINGS: HE551505-ARP-LSI-X_XX_XXXX_X-DR-ZL-100000 TO HE55105-ARP-LSI-X_XX_XXXX_X-DR-ZL-100006. | Suitability: A3 Drawing Status: STAGE COMPLETED | | | | Project Title: A417 MISSING LINK | | | | | |
| | | Client: | | | | Drawing Title: ENGINEERING SECTION DRAWINGS A417 MAINLINE - SHEET 4 OF 4 APFP REGULATIONS 6(2) APPLICATION NUMBER: TR010056 | | | | | |
| | | Scale: As Shown Original Size: A1 | | By: JF Date: 20/05/21 | | Checked: DA Date: 20/05/21 | | Approved: CT Date: 24/05/21 | | Authorised: YB Date: 24/05/21 | |
| Drawing Number: HE551505 - X_ML_A417_Z | | Originator: ARP | | Volume: LSI | | Application: -DR - ZL -000004 | | Revision: C01 | | | |
| Rev. Date Description | | By Chk'd App'd Auth'd | | C01 24/05/21 APPLICATION SUBMISSION (MAY 2021) JF DA CT YB | | | | | | | |



| VERTICAL ALIGNMENT | L=40.000m G=-2.000% | | L=120.000m | | L=143.042m G=8.000% | | L=353.573m | | L=99.140m | | L=357.140m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--------------------------|-----------|------------|-----------|--------------------------|-----------|--------------------------|-----------|------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| HORIZONTAL ALIGNMENT | R=547.973m L=150.007m | | L=70.000m | | R=550.000m L=219.726m | | R=720.000m L=167.460m | | Ls=50.000m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EXISTING LEVEL | 234.55 | 236.66 | 238.56 | 242.66 | 245.94 | 249.47 | 252.39 | 255.37 | 257.80 | 260.04 | 262.13 | 264.10 | 265.70 | 267.07 | 268.37 | 269.35 | 269.98 | 270.71 | 271.43 | 271.86 | 272.16 | 271.60 | 271.22 | 271.11 | 271.17 | 271.39 | 271.59 | 271.97 | 272.43 | 272.67 | 272.83 | 273.03 | 273.13 | 273.19 | 273.48 | 274.03 | 274.68 | 275.54 | 276.28 | 276.48 | |
| PROPOSED LEVEL | 235.220 | 236.620 | 238.020 | 238.520 | 237.220 | 238.120 | 239.220 | 240.520 | 242.020 | 243.620 | 245.220 | 246.820 | 248.420 | 250.020 | 251.620 | 253.220 | 254.794 | 256.296 | 257.725 | 259.082 | 260.365 | 261.576 | 262.715 | 263.780 | 264.773 | 265.693 | 266.541 | 267.316 | 268.017 | 268.647 | 269.203 | 269.687 | 270.098 | 270.437 | 270.724 | 270.972 | 271.179 | 271.347 | 271.474 | 271.562 | 271.609 |
| CHAINAGE | 0+000.000 | 0+020.000 | 0+040.000 | 0+060.000 | 0+080.000 | 0+100.000 | 0+120.000 | 0+140.000 | 0+160.000 | 0+180.000 | 0+200.000 | 0+220.000 | 0+240.000 | 0+260.000 | 0+280.000 | 0+300.000 | 0+320.000 | 0+340.000 | 0+360.000 | 0+380.000 | 0+400.000 | 0+420.000 | 0+440.000 | 0+460.000 | 0+480.000 | 0+500.000 | 0+520.000 | 0+540.000 | 0+560.000 | 0+580.000 | 0+600.000 | 0+620.000 | 0+640.000 | 0+660.000 | 0+680.000 | 0+700.000 | 0+720.000 | 0+740.000 | 0+760.000 | 0+780.000 | 0+800.000 |

A436 LINK ROAD
SCALE 1:1250 (HORIZ), 1:250 (VERT)

- LEGEND**
- EXISTING LEVEL
 - PROPOSED LEVEL
 - LOCATION OF DRAINAGE OUTFALL
 - LOCATION OF CULVERT
 - LOCATION OF MAMMAL CULVERT
 - A1 LIMITS OF DEVIATION LABEL

NOTES

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| | | | | | | |
|------|----------|-----------------------------------|----|-------|-------|--------|
| CO1 | 24/05/21 | APPLICATION SUBMISSION (MAY 2021) | JF | DA | CT | YB |
| Rev. | Date | Description | By | Chk'd | App'd | Auth'd |

Suitability: **A3** | Drawing Status: **STAGE COMPLETED**

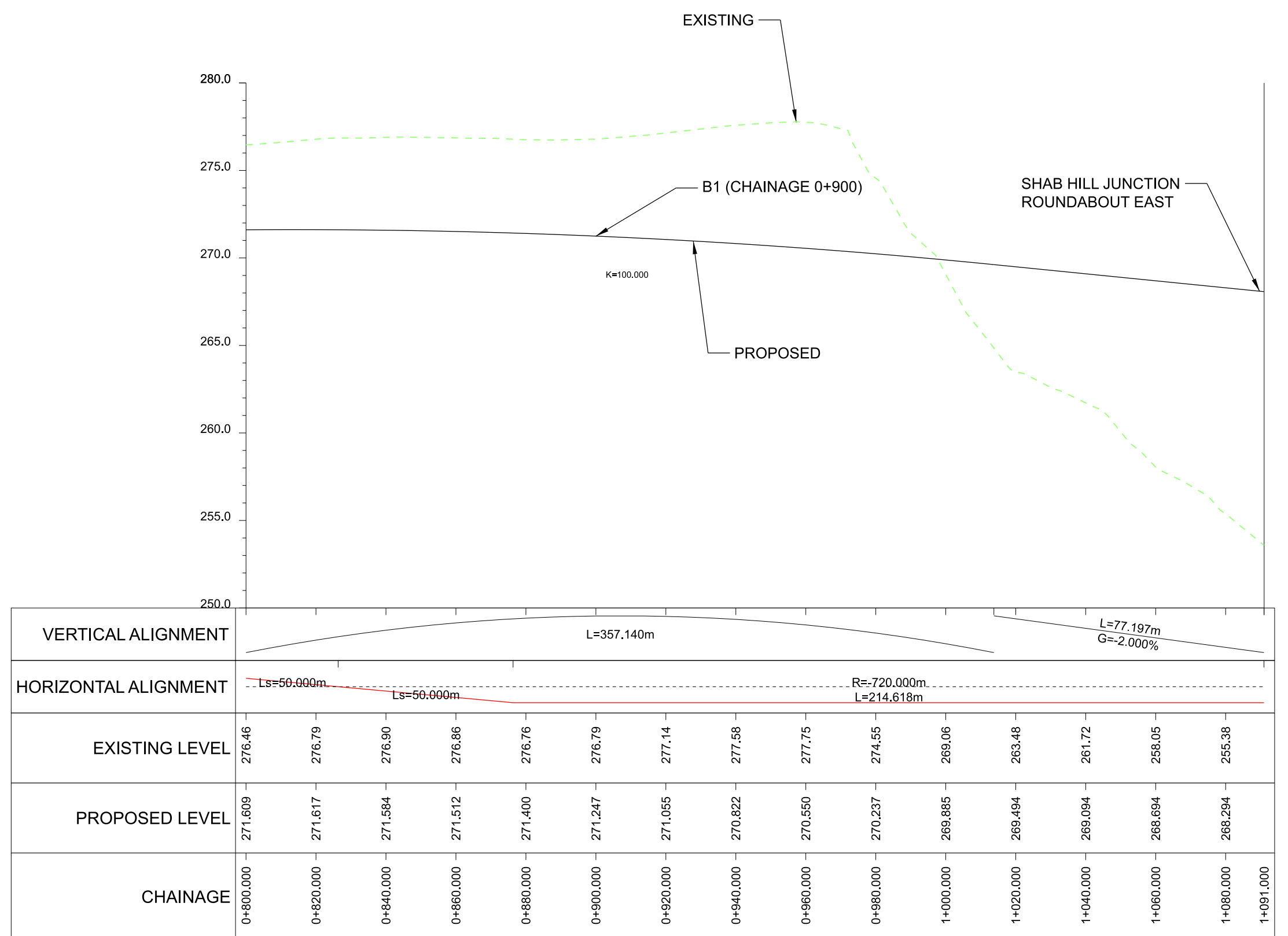
Client:

Project Title: **A417 MISSING LINK**

Drawing Title: **ENGINEERING SECTION DRAWINGS
A436 LINK ROAD AND ULLENWOOD LANE
APFP REGULATIONS 6(2)
SHEET 1 OF 3 (APPLICATION NO.: TR010056)**

| | | | | |
|---------------|----------|----------|----------|------------|
| Scale | By | Checked | Approved | Authorised |
| As Shown | JF | DA | CT | YB |
| Original Size | Date | Date | Date | Date |
| A1 | 20/05/21 | 20/05/21 | 24/05/21 | 24/05/21 |

| | | | |
|------------------------|---------------|-------------|----------|
| Drawing Number | Originator | Volume | Revision |
| HE551505 - X ML_A436_Z | ARP - DR - ZL | LSI -000004 | C01 |
| Location | Type | Role | Number |



A436 LINK ROAD
SCALE 1:1250 (HORIZ), 1:250 (VERT)

- LEGEND**
- EXISTING LEVEL
 - PROPOSED LEVEL
 - LOCATION OF DRAINAGE OUTFALL
 - LOCATION OF CULVERT
 - LOCATION OF MAMMAL CULVERT
 - B1 LIMITS OF DEVIATION LABEL

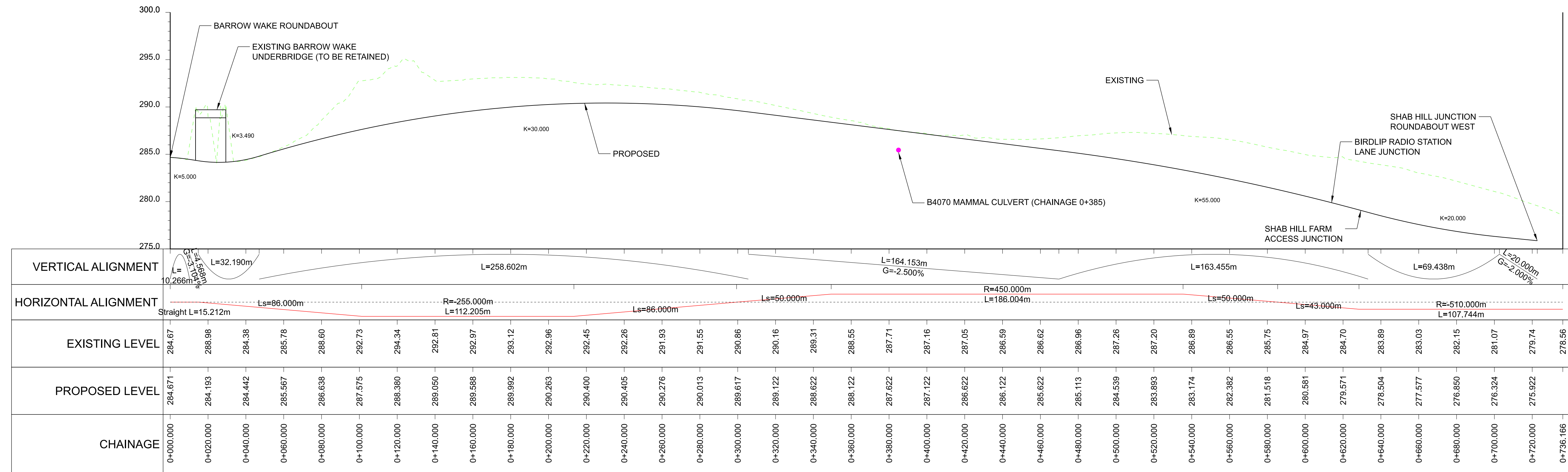
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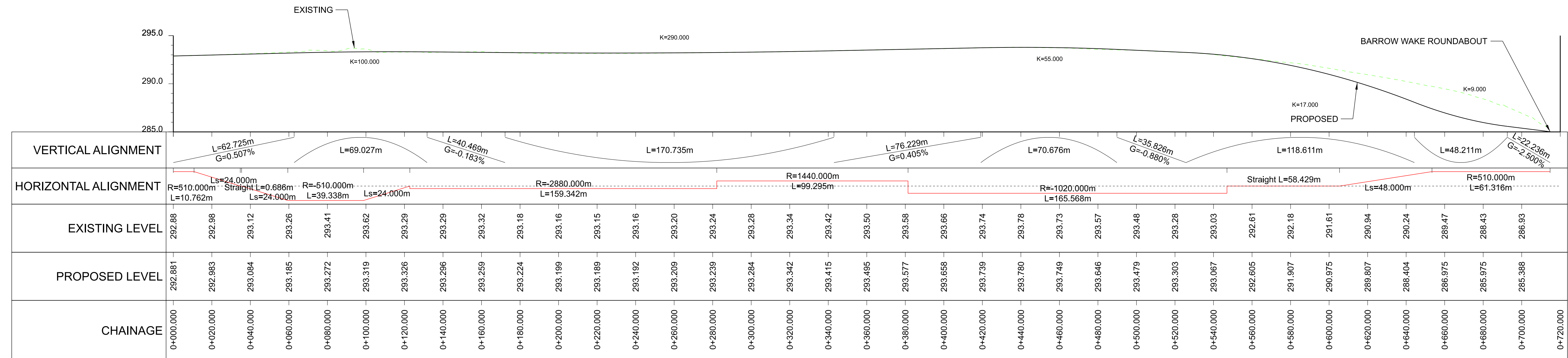
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|------|----------|-----------------------------------|----|-------|-------|--------|
| Rev. | Date | Description | By | Chk'd | App'd | Auth'd |

| | | | |
|-------------|---|----------------|-----------------|
| Suitability | A3 | Drawing Status | STAGE COMPLETED |
| Client |  | | |

| | | | | | | | | | | | |
|----------------|----------|------------|----------|---------|----------|--|----------|------------|----------|--|-----|
| Project Title | | | | | | A417 MISSING LINK | | | | | |
| Drawing Title | | | | | | ENGINEERING SECTION DRAWINGS A436 LINK ROAD AND ULLENWOOD LANE APFP REGULATIONS 6(2) SHEET 2 OF 3 (APPLICATION NO.: TR010056) | | | | | |
| Scale | As Shown | By | JF | Checked | DA | Approved | CT | Authorised | YB | | |
| Original Size | A1 | Date | 20/05/21 | Date | 20/05/21 | Date | 24/05/21 | Date | 24/05/21 | | |
| Drawing Number | HE PIN | Originator | ARP | Volume | LSI | Revision | | | | | |
| X ML A436_Z | -DR-ZL | -000005 | | | | | | | | | C01 |
| Location | | Type | Role | Number | | | | | | | |



B4070 BARROW WAKE ROAD
SCALE 1:1250 (HORIZ), 1:250 (VERT)



B4070 BIRDLIP ROAD
SCALE 1:1250 (HORIZ), 1:250 (VERT)

- LEGEND**
- EXISTING LEVEL
 - PROPOSED LEVEL
 - LOCATION OF DRAINAGE OUTFALL
 - LOCATION OF CULVERT
 - LOCATION OF MAMMAL CULVERT

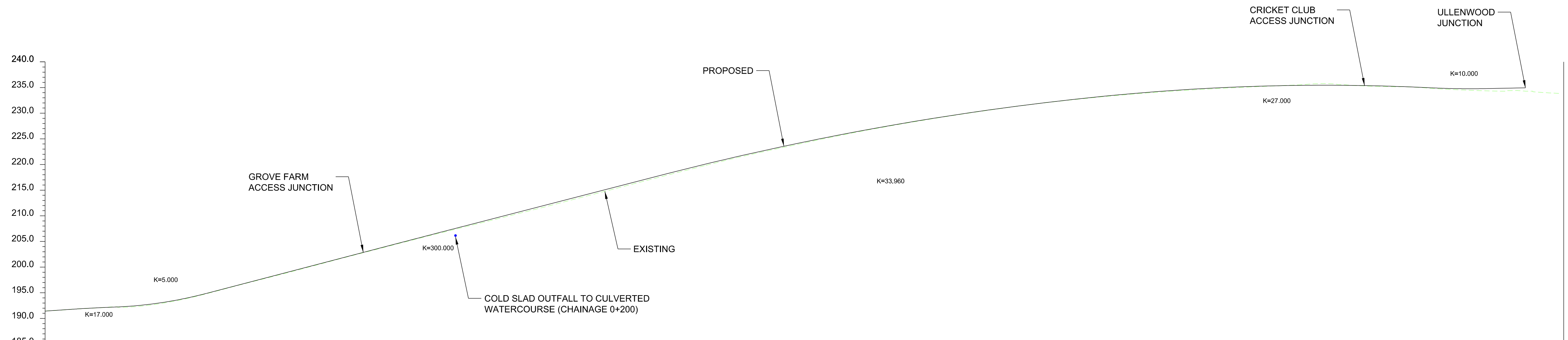
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| CO1 | 24/05/21 | APPLICATION SUBMISSION (MAY 2021) | JF | DA | CT | YB |
|------|----------|-----------------------------------|----|-------|-------|--------|
| Rev. | Date | Description | By | Chk'd | App'd | Auth'd |

| | |
|----------------|-----------------|
| Suitability | A3 |
| Drawing Status | STAGE COMPLETED |
| Client | |

| | | | | | |
|----------------|---|------------|----------|----------|------------|
| Project Title | A417 MISSING LINK | | | | |
| Drawing Title | ENGINEERING SECTION DRAWINGS B4070 - SHEET 1 OF 1 APFP REGULATIONS 6(2) APPLICATION NUMBER: TR010056 | | | | |
| Scale | As Shown | By | Checked | Approved | Authorised |
| Original Size | A1 | JF | DA | CT | YB |
| Date | 20/05/21 | 20/05/21 | 24/05/21 | | |
| Drawing Number | HE551505 - ARP - LSI - X_SR_B4070_Z | Originator | Volume | C01 | |
| Location | -DR - ZL - 000001 | Type | Role | Number | |



| VERTICAL ALIGNMENT | L=13.475m G=2.689% | | L=20.331m | | L=44.863m | | L=94.448m G=10.447% | | L=31.655m | | L=94.260m G=10.342% | | L=220.798m | | L=155.516m | | L=27.037m | | L=19.860m G=0.784% | | | | | | | | | | | | | | | | | | | |
|----------------------|-----------------------|-----------|-------------------------|-----------|--------------------|-----------|-------------------------|-----------|--------------------|-----------|--------------------------|-----------|---|-----------|-------------------------|-----------|-------------------------|-----------|-------------------------|-----------|-------------------------|-----------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| HORIZONTAL ALIGNMENT | Straight L=53.688m | | R=295.000m L=66.644m | | Straight L=16.056m | | R=410.000m L=96.845m | | Straight L=52.730m | | R=480.000m L=139.521m | | Straight L=25.760m R=250.000m L=16.973m | | R=450.000m L=20.831m | | R=250.000m L=10.049m | | R=480.000m L=44.825m | | R=104.584m L=62.316m | | R=120.000m L=98.250m | | | | | | | | | | | | | | | |
| EXISTING LEVEL | 191.44 | 191.94 | 192.19 | 193.16 | 194.95 | 197.07 | 199.09 | 201.23 | 203.31 | 205.37 | 207.39 | 209.37 | 211.39 | 213.45 | 215.54 | 217.60 | 219.64 | 221.59 | 223.34 | 225.06 | 226.65 | 228.09 | 229.40 | 230.59 | 231.68 | 232.59 | 233.37 | 234.03 | 234.56 | 234.97 | 235.33 | 235.74 | 235.96 | 235.16 | 234.73 | 234.38 | 234.34 | |
| PROPOSED LEVEL | 191.435 | 191.956 | 192.345 | 193.288 | 195.028 | 197.118 | 199.207 | 201.297 | 203.386 | 205.475 | 207.553 | 209.622 | 211.691 | 213.759 | 215.827 | 217.896 | 219.899 | 221.786 | 223.554 | 225.205 | 226.737 | 228.152 | 229.449 | 230.629 | 231.691 | 232.634 | 233.460 | 234.153 | 234.698 | 235.085 | 235.343 | 235.443 | 235.395 | 235.199 | 234.870 | 234.779 | 234.933 | |
| CHAINAGE | 0+000.000 | 0+020.000 | 0+040.000 | 0+060.000 | 0+080.000 | 0+100.000 | 0+120.000 | 0+140.000 | 0+160.000 | 0+180.000 | 0+200.000 | 0+220.000 | 0+240.000 | 0+260.000 | 0+280.000 | 0+300.000 | 0+320.000 | 0+340.000 | 0+360.000 | 0+380.000 | 0+400.000 | 0+420.000 | 0+440.000 | 0+460.000 | 0+480.000 | 0+500.000 | 0+520.000 | 0+540.000 | 0+560.000 | 0+580.000 | 0+600.000 | 0+620.000 | 0+640.000 | 0+660.000 | 0+680.000 | 0+700.000 | 0+720.000 | 0+740.000 |

COLD SLAD LANE
SCALE 1:1250H 1:500V


- LEGEND**
- EXISTING LEVEL
 - PROPOSED LEVEL
 - LOCATION OF DRAINAGE OUTFALL
 - LOCATION OF CULVERT
 - LOCATION OF MAMMAL CULVERT

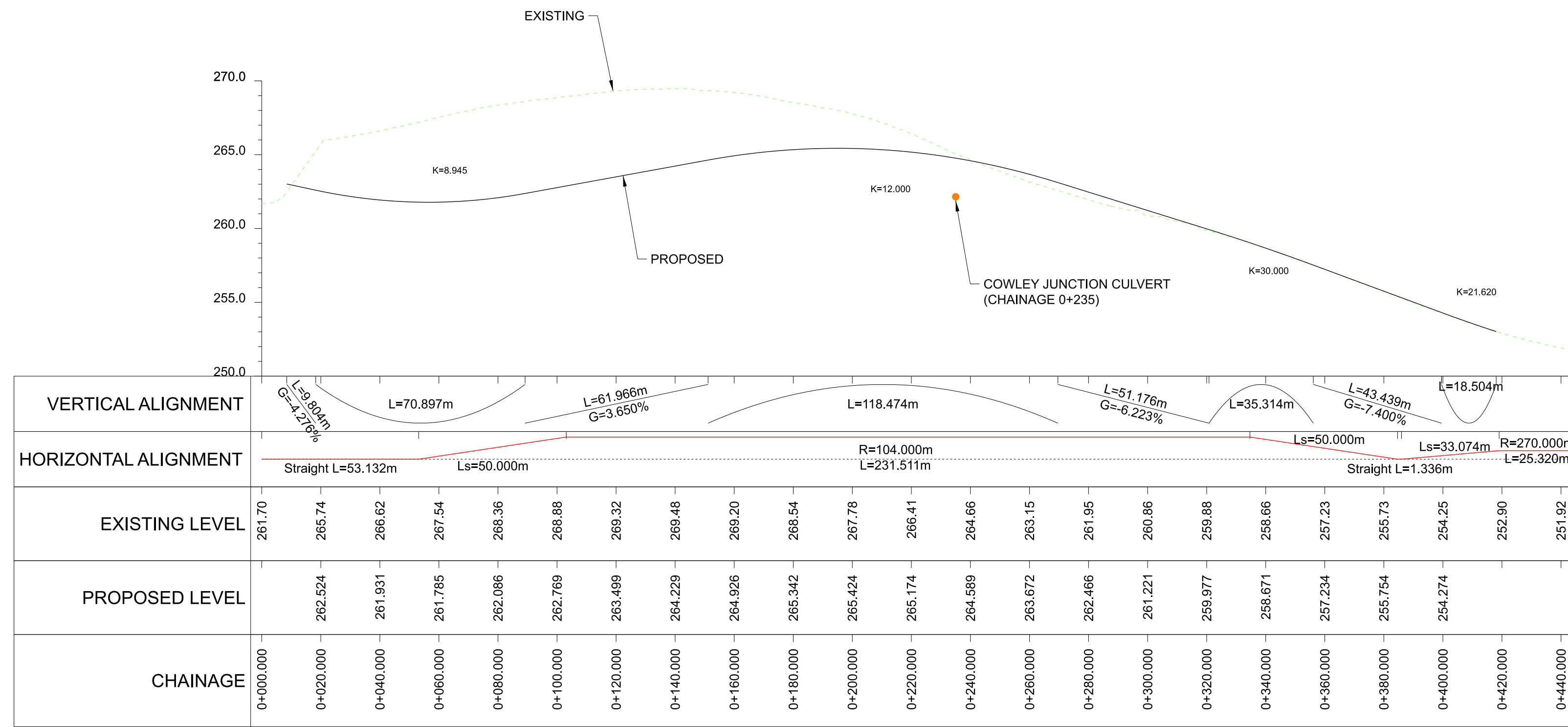
NOTES

- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- TO BE READ IN CONJUNCTION WITH GENERAL ARRANGEMENT DRAWINGS: HE551505-ARP-LSI-X_XX_XXXX_X-DR-ZL-100000 TO HE55105-ARP-LSI-X_XX_XXXX_X-DR-ZL-100006.

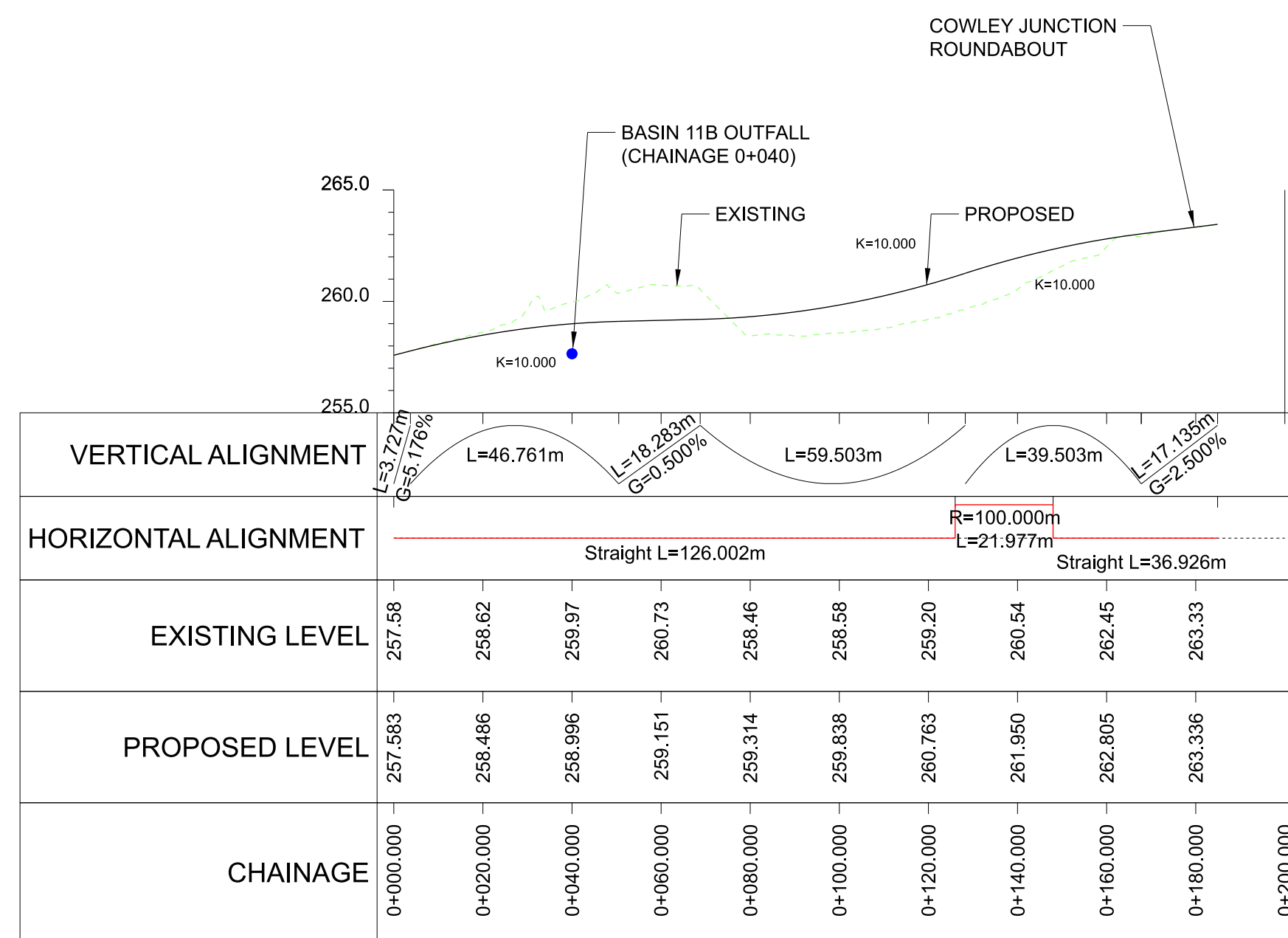
| CO1 | 24/05/21 | APPLICATION SUBMISSION (MAY 2021) | JF | DA | CT | YB |
|------|----------|-----------------------------------|----|-------|-------|--------|
| Rev. | Date | Description | By | Chk'd | App'd | Auth'd |

| | | | | | | | | | | |
|----------------|----|--------------------|--------------------|---------------|--|----------|----------|----------|------------|----------|
| Suitability | A3 | Drawing Status | STAGE COMPLETED | Project Title | A417 MISSING LINK | | | | | |
| | | | | Drawing Title | ENGINEERING SECTION DRAWINGS COLD SLAD LANE - SHEET 1 OF 1 APFP REGULATIONS 6(2) APPLICATION NUMBER: TR010056 | | | | | |
| Scale | | As Shown | By | JF | Checked | DA | Approved | CT | Authorised | YB |
| Original Size | | A1 | Date | 20/05/21 | Date | 20/05/21 | Date | 24/05/21 | Date | 24/05/21 |
| Drawing Number | | HE PIN | Originator | Volume | | | | | | |
| HE551505 - ARP | | LSI | - DR - ZL - 000001 | C01 | | | | | | |
| X_AX_SLAD_Z | | - DR - ZL - 000001 | | | | | | | | |
| Location | | Type | Role | Number | | | | | | |

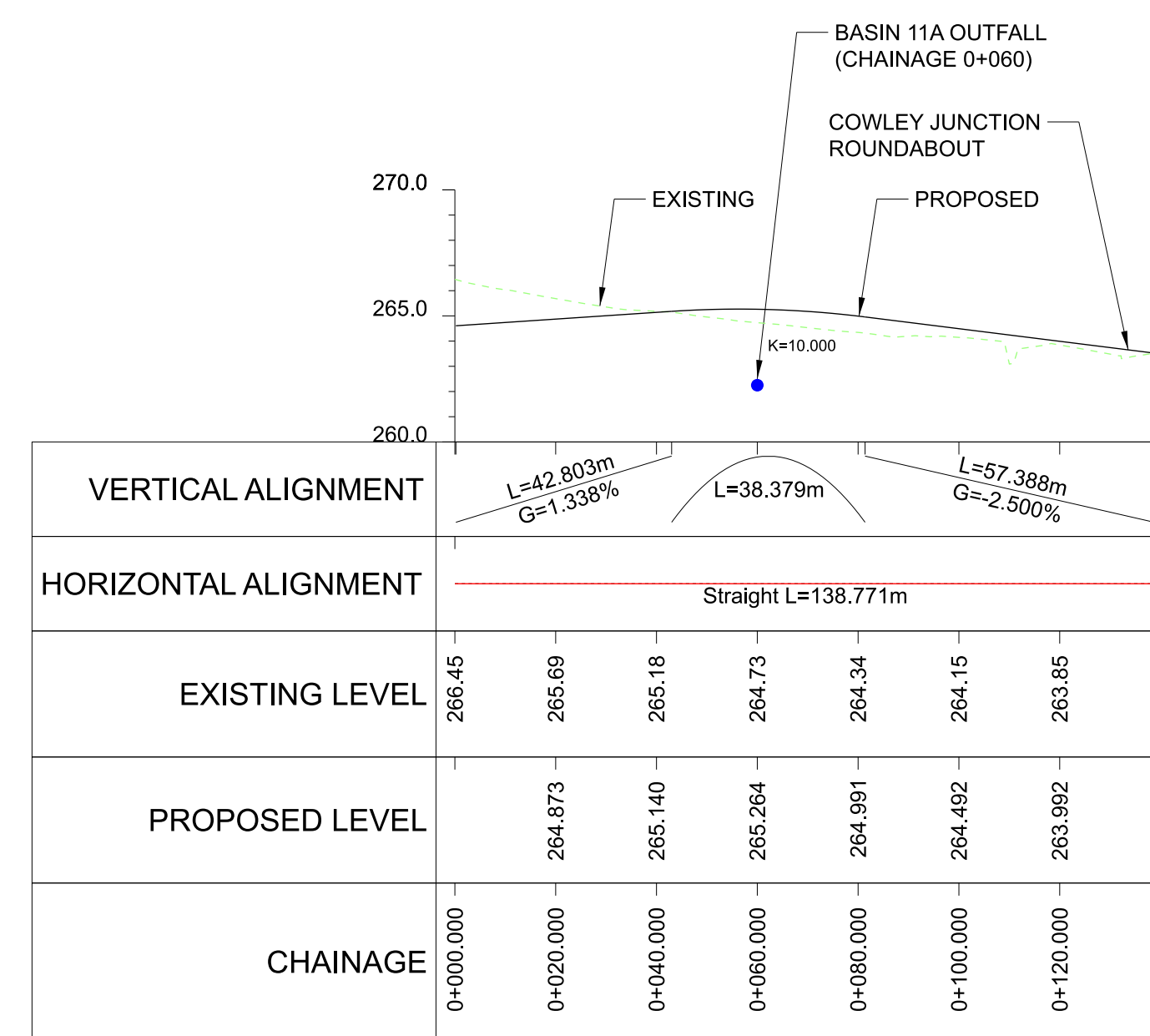




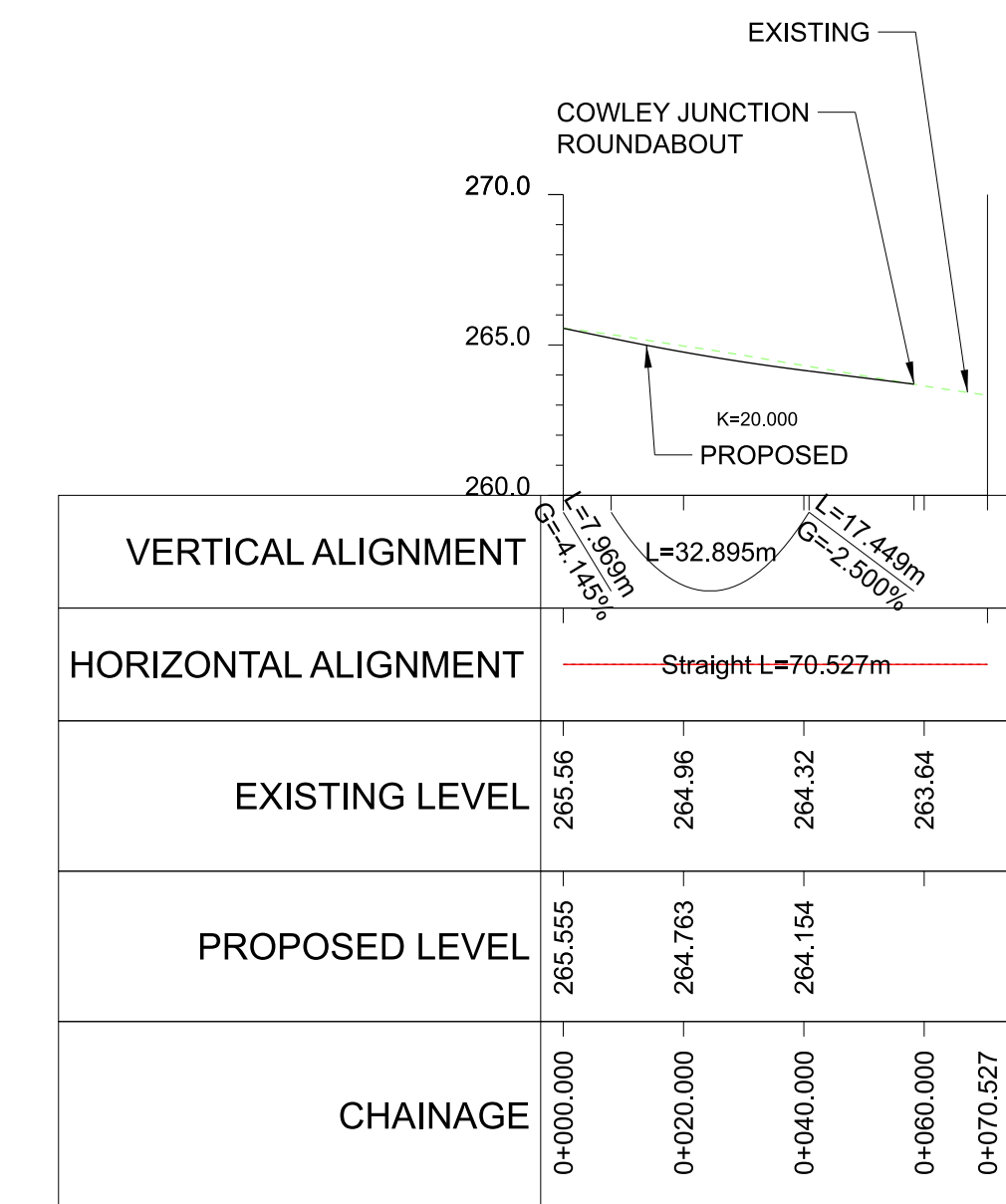
COWLEY JUNCTION LOOP
SCALE 1:1250 (HORIZ), 1:250 (VERT)



CLIMPERWELL ROAD
SCALE 1:1250 (HORIZ), 1:250 (VERT)



COWLEY JUNCTION LINK WEST
SCALE 1:1250 (HORIZ), 1:250 (VERT)

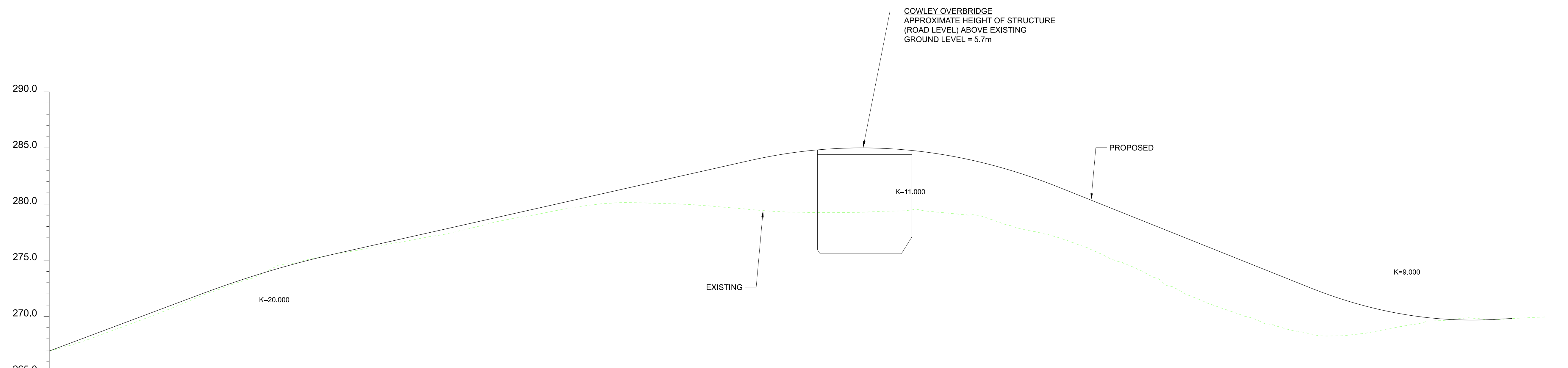


ERMINE WAY
SCALE 1:1250 (HORIZ), 1:250 (VERT)

- LEGEND**
- EXISTING LEVEL
 - PROPOSED LEVEL
 - LOCATION OF DRAINAGE OUTFALL
 - LOCATION OF CULVERT
 - LOCATION OF MAMMAL CULVERT

- NOTES**
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 - TO BE READ IN CONJUNCTION WITH GENERAL ARRANGEMENT DRAWINGS: HE551505-ARP-LSI-X_XX_XXXX_X-DR-ZL-100000 TO HE55105-ARP-LSI-X_XX_XXXX_X-DR-ZL-100006.

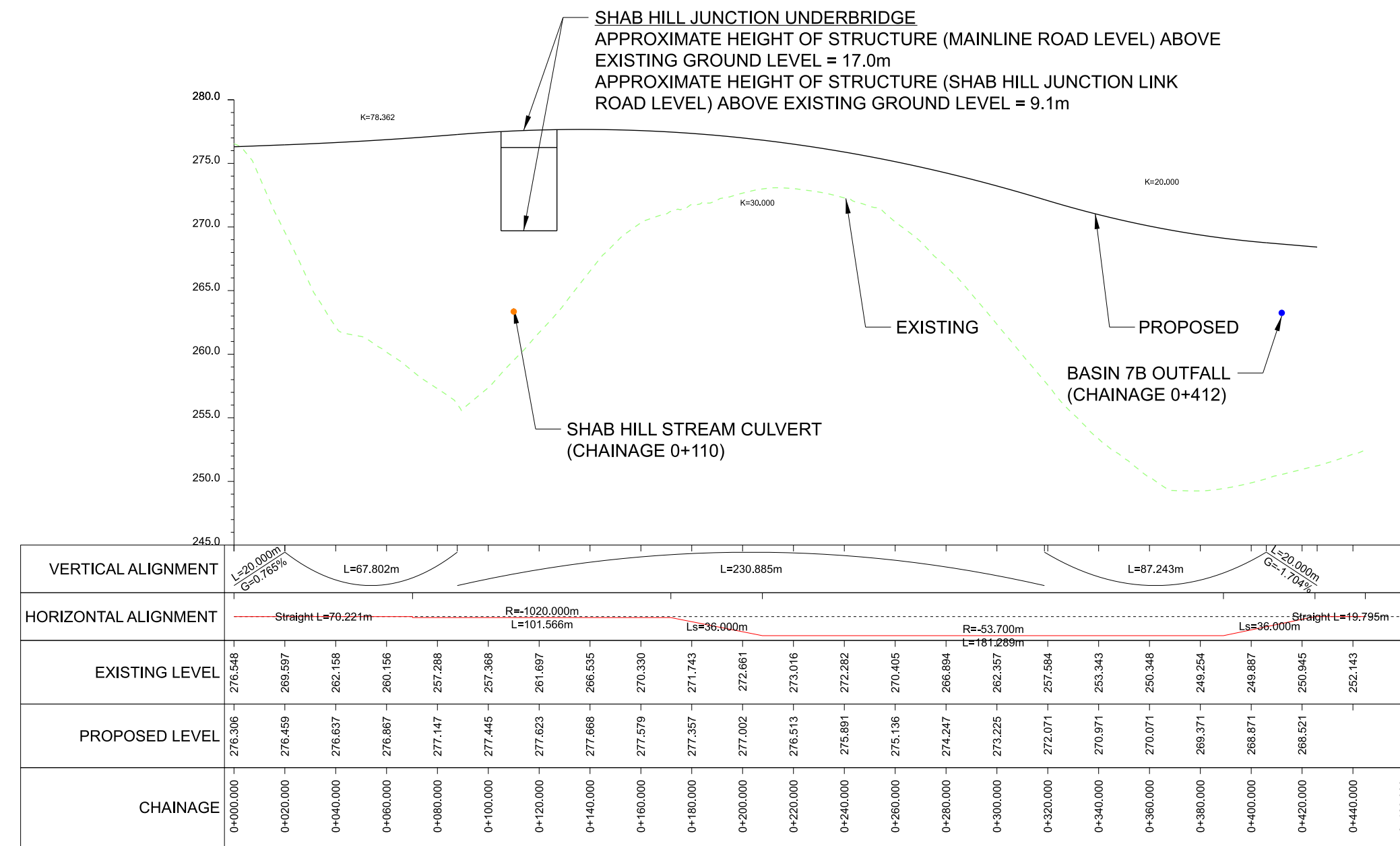
| | | | | | | | |
|----------------|--|---------------------|--|---|--|-------------|--|
| Suitability | | Drawing Status | | Project Title | | | |
| A3 | | STAGE COMPLETED | | A417 MISSING LINK | | | |
| Client | | highways england | | Drawing Title | | | |
| | | | | ENGINEERING SECTION DRAWINGS COWLEY JUNCTION - SHEET 1 OF 1 APFP REGULATIONS 6(2) APPLICATION NUMBER: TR010056 | | | |
| Rev. | | Date | | Description | | By | |
| C01 | | 24/05/21 | | APPLICATION SUBMISSION (MAY 2021) | | JF DA CT YB | |
| Scale | | By | | Checked | | Approved | |
| As Shown | | JF | | DA | | CT | |
| Original Size | | Date | | Date | | Date | |
| A1 | | 20/05/21 | | 20/05/21 | | 24/05/21 | |
| Drawing Number | | Originator | | Volume | | Revision | |
| HE551505 - ARP | | - LSI | | - DR - ZL - 000001 | | C01 | |
| X_JN_COWL_Z | | - DR - ZL - 000001 | | | | | |
| Location | | Type | | Role | | Number | |



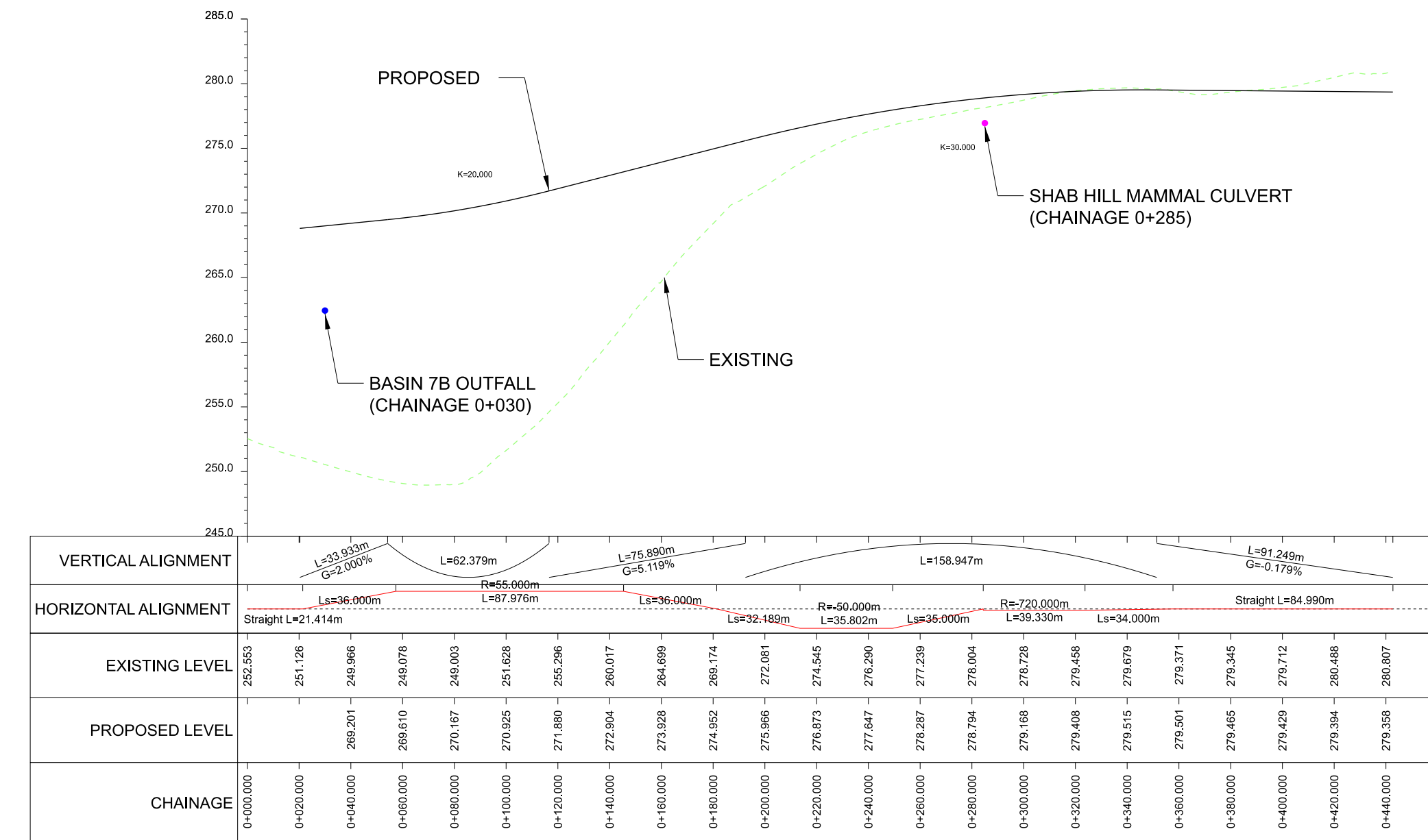
| VERTICAL ALIGNMENT | L=67.591m G=7.500% | L=60.000m | L=184.550m G=4.500% | L=137.500m | L=111.619m G=-8.000% | L=81.229m | L=39.749m G=-1.025% | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|-------------------------|------------|------------------------|------------|--------------------------|------------|------------------------|------------|------------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| HORIZONTAL ALIGNMENT | R=300.000m L=23.956m | Ls=30.000m | Straight L=72.010m | Ls=60.000m | R=-150.000m L=43.278m | Ls=60.000m | Straight L=210.112m | Ls=50.000m | R=90.000m L=77.666m | Ls=50.000m | | | | | | | | | | | | | | | | | | | | | | | | | |
| EXISTING LEVEL | 266.96 | 268.14 | 269.61 | 271.18 | 272.74 | 274.35 | 275.25 | 275.98 | 276.75 | 277.50 | 278.46 | 279.20 | 279.89 | 280.13 | 280.01 | 279.73 | 279.39 | 279.25 | 279.26 | 279.39 | 279.20 | 278.58 | 277.50 | 276.26 | 274.59 | 272.64 | 270.87 | 269.46 | 268.51 | 268.36 | 269.03 | 269.62 | 269.70 | 269.90 | |
| PROPOSED LEVEL | 266.915 | 268.415 | 269.915 | 271.415 | 272.877 | 274.153 | 275.229 | 276.143 | 277.043 | 277.943 | 278.843 | 279.743 | 280.643 | 281.543 | 282.443 | 283.343 | 284.215 | 284.790 | 285.002 | 284.850 | 284.334 | 283.455 | 282.212 | 280.655 | 279.055 | 277.455 | 275.855 | 274.255 | 272.655 | 271.250 | 270.288 | 269.771 | 269.699 | | |
| CHAINAGE | 0+000.000 | 0+020.000 | 0+040.000 | 0+060.000 | 0+080.000 | 0+100.000 | 0+120.000 | 0+140.000 | 0+160.000 | 0+180.000 | 0+200.000 | 0+220.000 | 0+240.000 | 0+260.000 | 0+280.000 | 0+300.000 | 0+320.000 | 0+340.000 | 0+360.000 | 0+380.000 | 0+400.000 | 0+420.000 | 0+440.000 | 0+460.000 | 0+480.000 | 0+500.000 | 0+520.000 | 0+540.000 | 0+560.000 | 0+580.000 | 0+600.000 | 0+620.000 | 0+640.000 | 0+660.000 | 0+680.000 |

COWLEY LANE
SCALE 1:1000 (HORIZ), 1:200 (VERT)

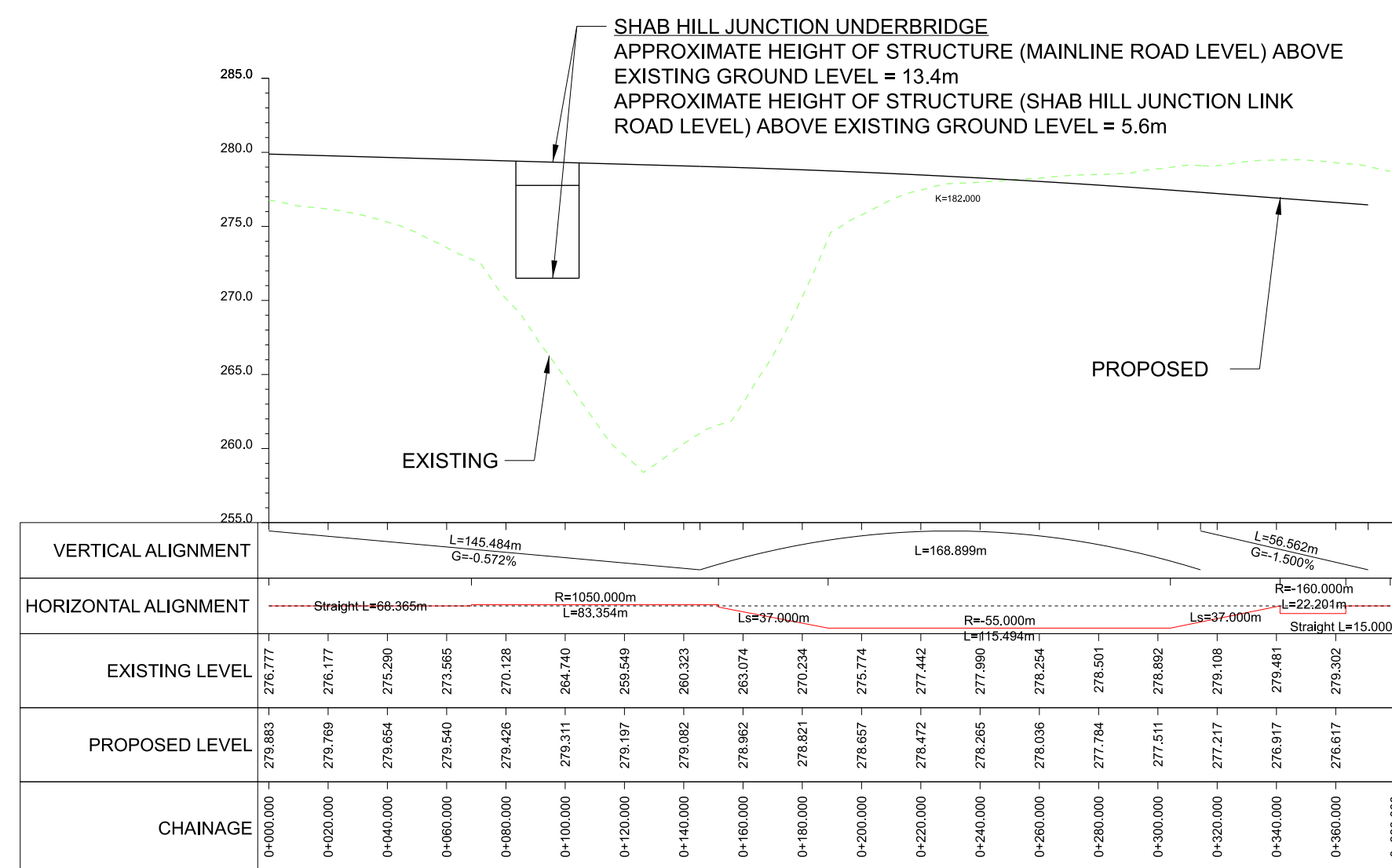
| | | | | | | | | | |
|---|---|---|----------|-----------------------------------|-------------|--|--|--------------------------------------|--|
| LEGEND | NOTES 1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE. 2. TO BE READ IN CONJUNCTION WITH GENERAL ARRANGEMENT DRAWINGS: HE551505-ARP-LSI-X_XX_XXXX_X-DR-ZL-100000 TO HE55105-ARP-LSI-X_XX_XXXX_X-DR-ZL-100006. | Suitability Drawing Status A3 STAGE COMPLETED | | | | Project Title A417 MISSING LINK | | | |
| | | Client | | | | Drawing Title ENGINEERING SECTION DRAWINGS COWLEY LANE - SHEET 1 OF 1 APFP REGULATIONS 6(2) APPLICATION NUMBER: TR010056 | | | |
| Scale As Shown Original Size A1 | | By JF Date 20/05/21 | | Checked DA Date 20/05/21 | | Approved CT Date 24/05/21 | | Authorised YB Date 24/05/21 | |
| Drawing Number HE551505 - ARP - LSI X_AX_STOC_Z | | Originator - DR - ZL - 000001 | | Volume - | | Location - | | Revision C01 | |
| Rev. C01 | Date 24/05/21 | Description APPLICATION SUBMISSION (MAY 2021) | By JF | Chk'd DA | App'd CT | Auth'd YB | | | |



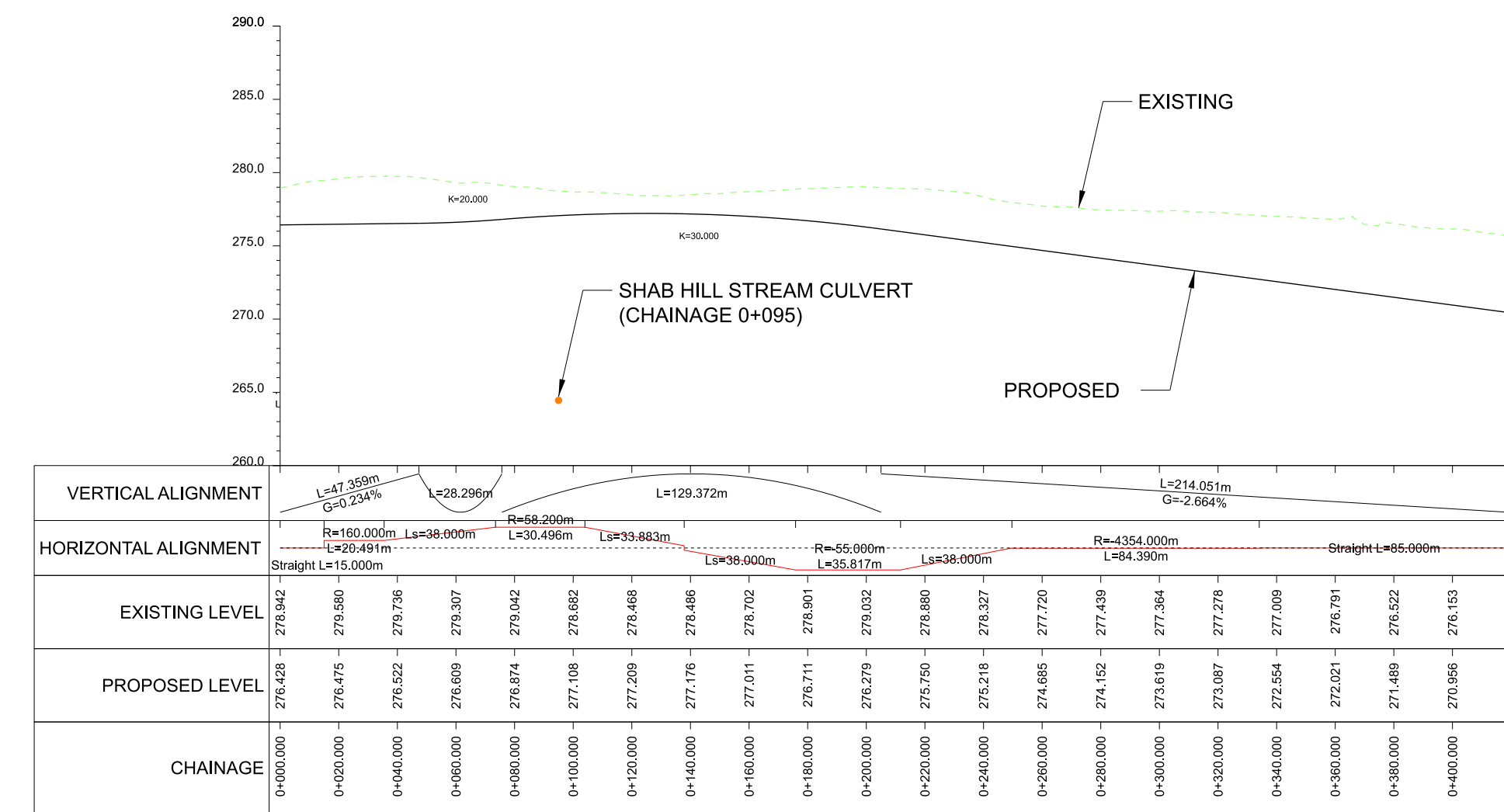
SHAB HILL JUNCTION EASTBOUND DIVERGE
SCALE 1:2000 (HORIZ), 1:400 (VERT)



SHAB HILL JUNCTION EASTBOUND MERGE
SCALE 1:2000 (HORIZ), 1:400 (VERT)



SHAB HILL JUNCTION WESTBOUND DIVERGE
SCALE 1:2000 (HORIZ), 1:400 (VERT)



SHAB HILL JUNCTION WESTBOUND MERGE
SCALE 1:2000 (HORIZ), 1:400 (VERT)

- LEGEND**
- EXISTING LEVEL
 - PROPOSED LEVEL
 - LOCATION OF DRAINAGE OUTFALL
 - LOCATION OF CULVERT
 - LOCATION OF MAMMAL CULVERT

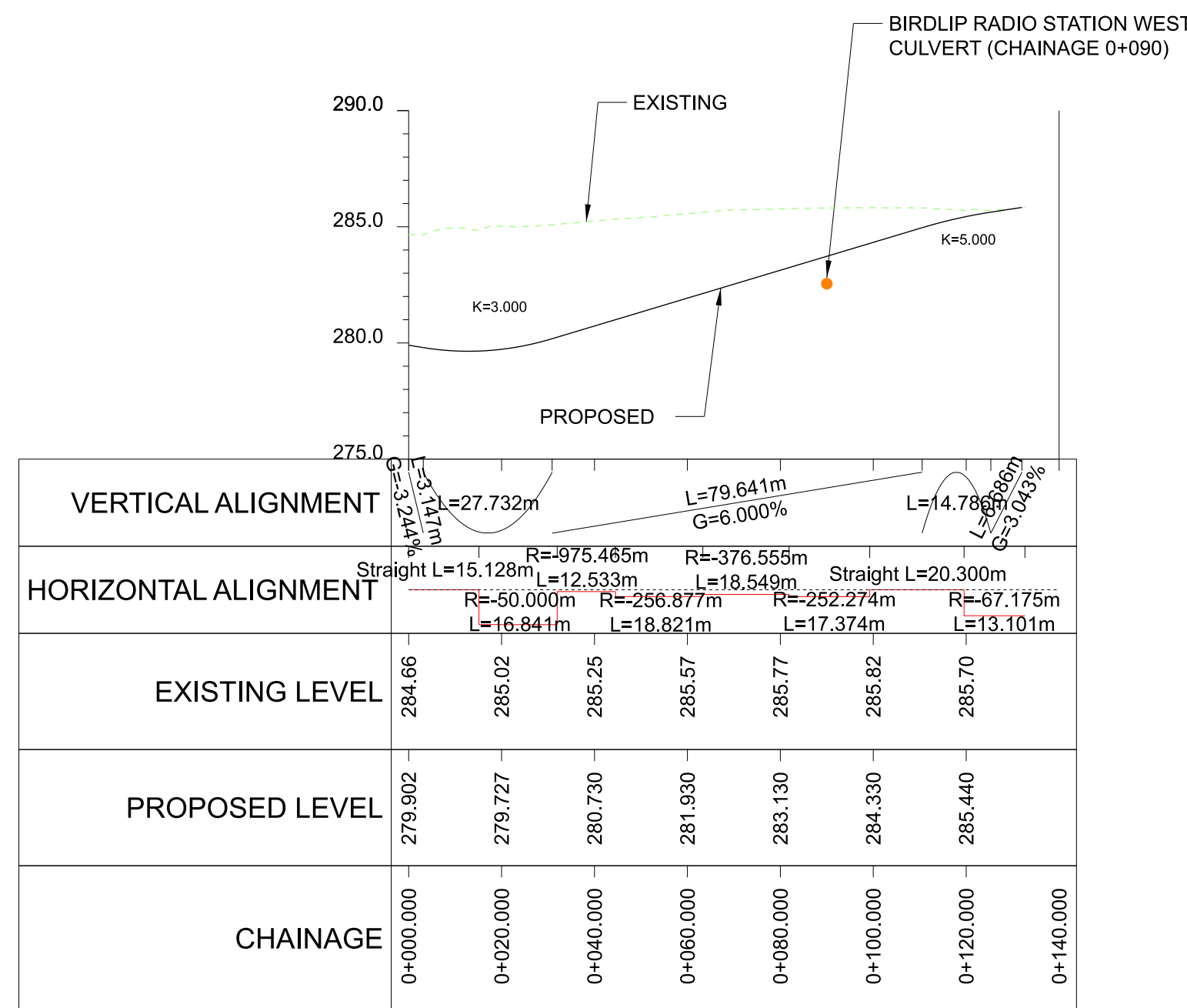
- NOTES**
1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 2. TO BE READ IN CONJUNCTION WITH GENERAL ARRANGEMENT DRAWINGS: HE551505-ARP-LSI-X_XX_XXXX_X-DR-ZL-100000 TO HE55105-ARP-LSI-X_XX_XXXX_X-DR-ZL-100006.

| | | | | | | |
|------|----------|-----------------------------------|----|-------|-------|--------|
| CO1 | 24/05/21 | APPLICATION SUBMISSION (MAY 2021) | JF | DA | CT | YB |
| Rev. | Date | Description | By | Chk'd | App'd | Auth'd |

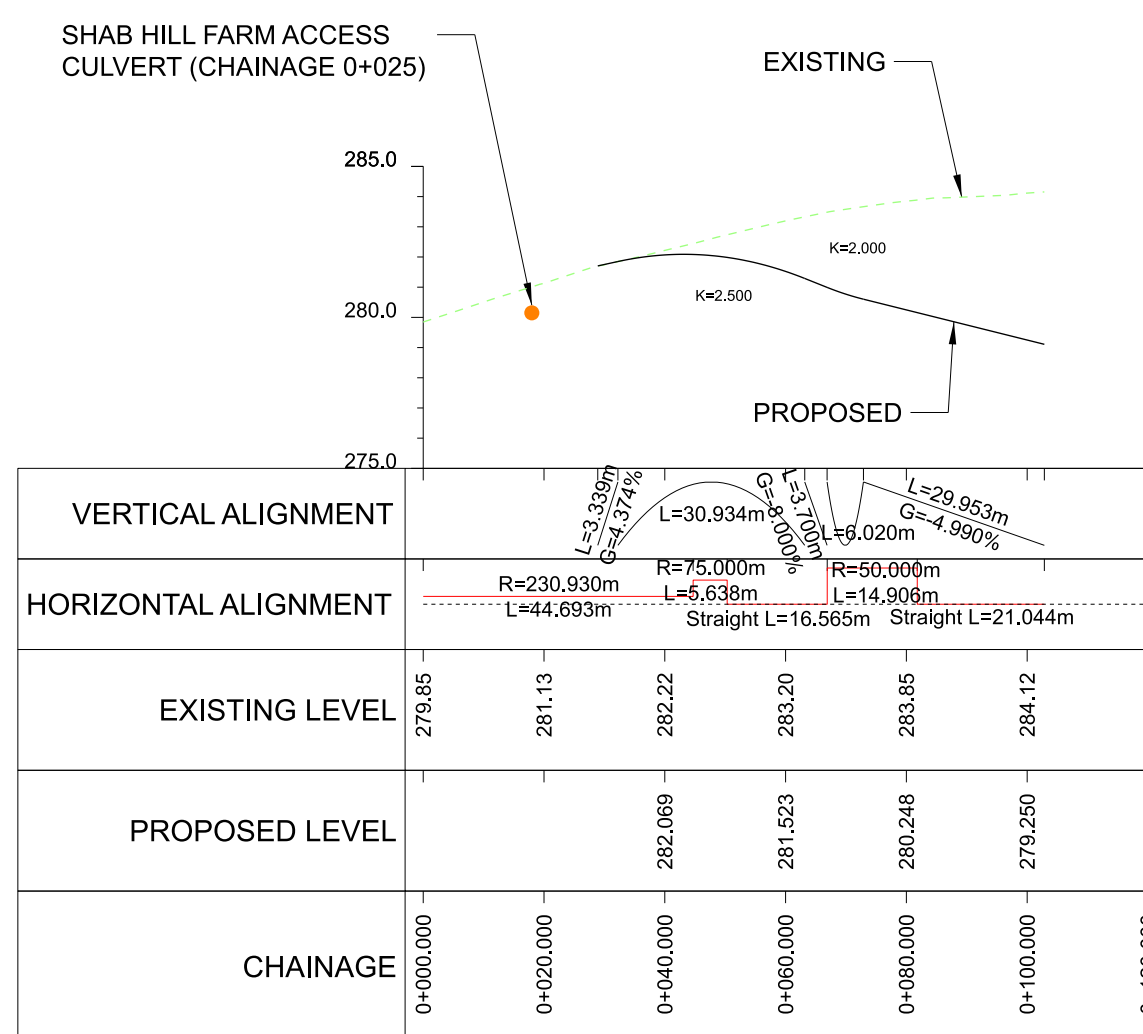
Suitability: **A3** | Drawing Status: **STAGE COMPLETED**

Client:

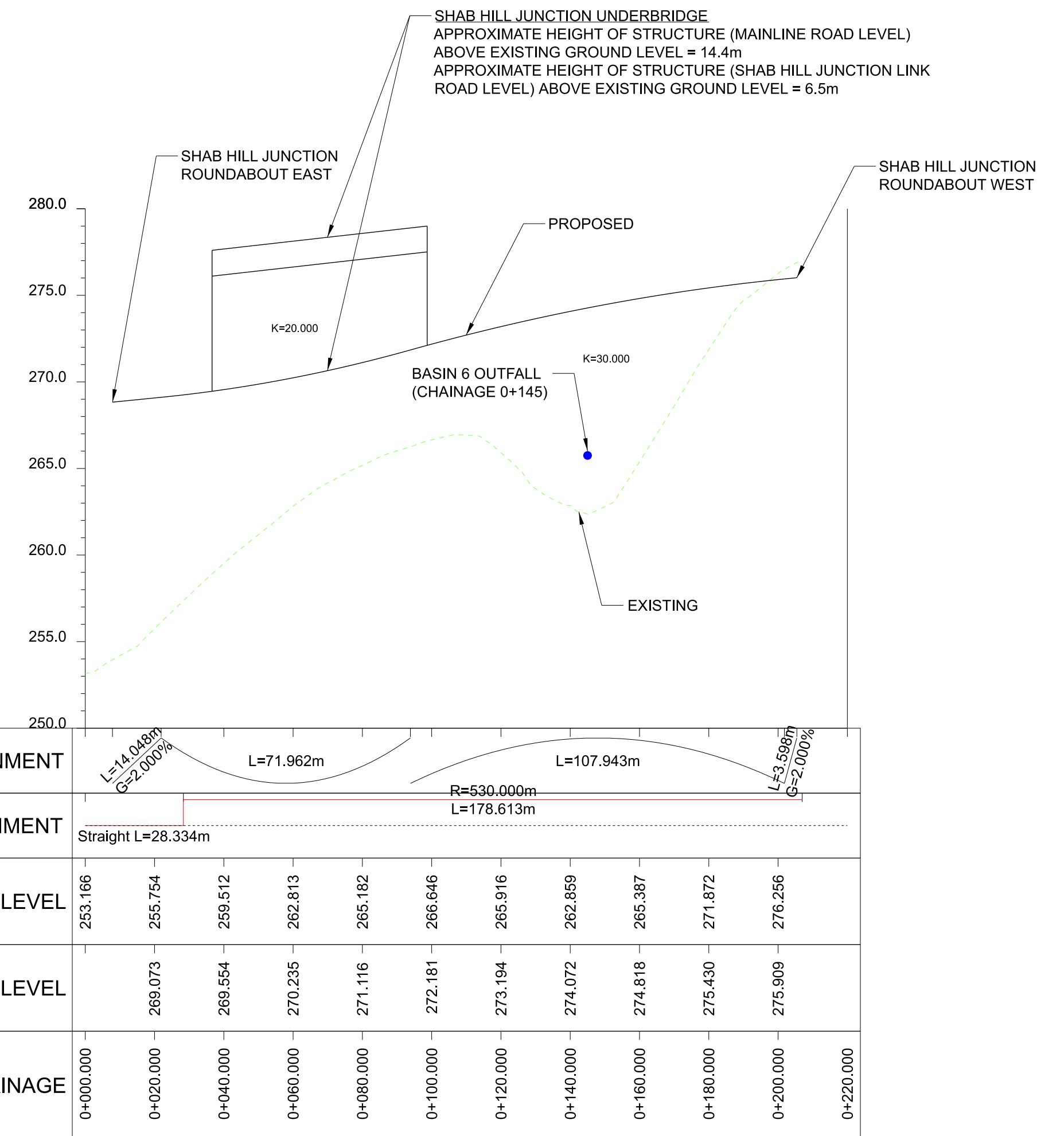
| | | | | | |
|---|---------------------|-----------------|-----------------------|-------------------------|---------------|
| Project Title: A417 MISSING LINK | | | | | |
| Drawing Title: ENGINEERING SECTION DRAWINGS SHAB HILL JUNCTION - SHEET 1 OF 2 APFP REGULATIONS 6(2) APPLICATION NUMBER: TR010056 | | | | | |
| Scale: As Shown | By: JF | Checked: DA | Approved: CT | Authorised: YB | |
| Original Size: A1 | Date: 20/05/21 | Date: 20/05/21 | Date: 24/05/21 | Date: 24/05/21 | |
| Drawing Number: HE551505 | HE PIN: X_JN_SHAB_Z | Originator: ARP | Volume: -DR-ZL-000001 | Location: -DR-ZL-000001 | Revision: C01 |



BIRDLIP RADIO STATION LANE
SCALE 1:1250 (HORIZ), 1:250 (VERT)



SHAB HILL FARM ACCESS
SCALE 1:1250 (HORIZ), 1:250 (VERT)



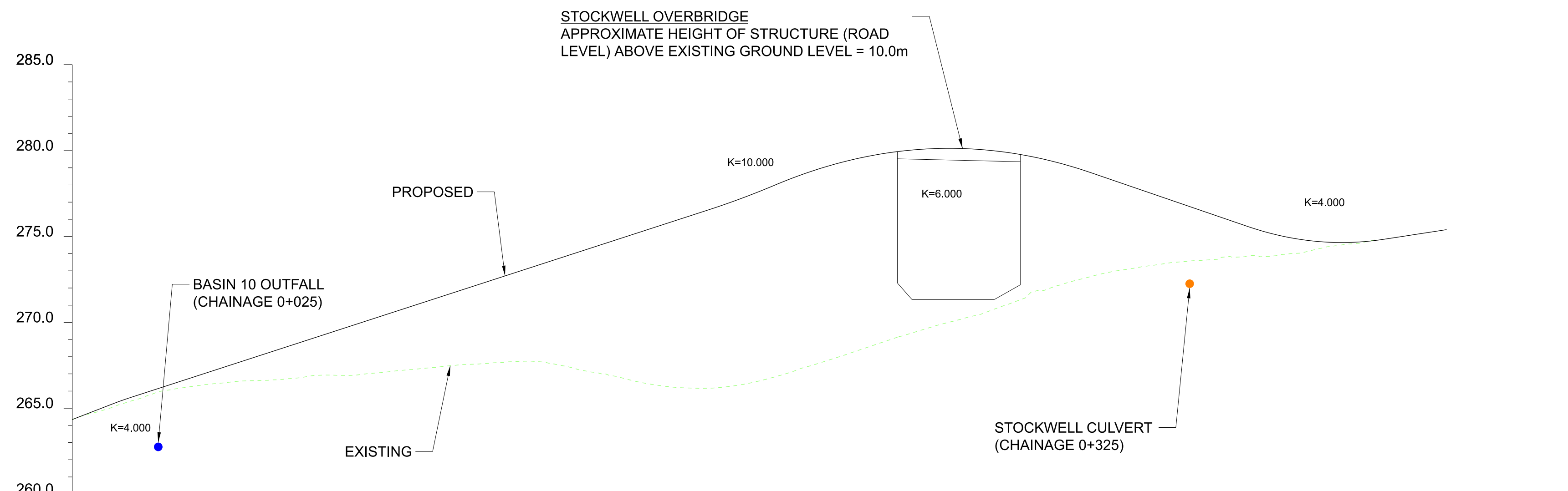
SHAB HILL JUNCTION LINK ROAD
SCALE 1:1250 (HORIZ), 1:250 (VERT)

- LEGEND**
- EXISTING LEVEL
 - PROPOSED LEVEL
 - LOCATION OF DRAINAGE OUTFALL
 - LOCATION OF CULVERT
 - LOCATION OF MAMMAL CULVERT

- NOTES**
1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 2. TO BE READ IN CONJUNCTION WITH GENERAL ARRANGEMENT DRAWINGS: HE551505-ARP-LSI-X_XX_XXXX_X-DR-ZL-100000 TO HE55105-ARP-LSI-X_XX_XXXX_X-DR-ZL-100006.

| | | | | | | | | | | | | | |
|-------------|----------|-----------------------------------|----|-----------------------------------|-------|------------|--|----------|--|----------|--|------------|--|
| Suitability | | Drawing Status | | Project Title | | | | | | | | | |
| A3 | | STAGE COMPLETED | | A417 MISSING LINK | | | | | | | | | |
| | | | | Drawing Title | | | | | | | | | |
| | | | | ENGINEERING SECTION DRAWINGS | | | | | | | | | |
| | | | | SHAB HILL JUNCTION - SHEET 2 OF 2 | | | | | | | | | |
| | | | | APFP REGULATIONS 6(2) | | | | | | | | | |
| | | | | APPLICATION NUMBER: TR010056 | | | | | | | | | |
| | | | | Scale | | By | | Checked | | Approved | | Authorised | |
| | | | | As Shown | | JF | | DA | | CT | | YB | |
| | | | | Original Size | | Date | | Date | | Date | | Date | |
| | | | | A1 | | 20/05/21 | | 20/05/21 | | 24/05/21 | | 24/05/21 | |
| | | | | Drawing Number | | Originator | | Volume | | Revision | | | |
| | | | | HE551505 - | | ARP - | | LSI | | C01 | | | |
| | | | | X_JN_SHAB_Z | | -DR - ZL | | -000002 | | | | | |
| | | | | Location | | Type | | Role | | Number | | | |
| C01 | 24/05/21 | APPLICATION SUBMISSION (MAY 2021) | JF | DA | CT | YB | | | | | | | |
| Rev. | Date | Description | By | Chk'd | App'd | Auth'd | | | | | | | |





| VERTICAL ALIGNMENT | L=11.883m G=7.150% L=5.000m L=168.168m G=6.500% L=19.365m L=91.823m L=45.514m G=-6.867% L=39.786m L=18.187m G=3.079% | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| HORIZONTAL ALIGNMENT | R=-500.000m L=34.374m Straight L=3.265m Straight L=7.693m Straight L=64.871m R=55.000m L=28.923m R=-50.000m L=58.755m Straight L=68.210m R=50.000m L=23.590m Straight L=122.363m | | | | | | | | | | | | | | | | | | | | | | |
| EXISTING LEVEL | 264.34 | 265.59 | 266.40 | 266.66 | 266.91 | 267.28 | 267.60 | 267.58 | 266.76 | 266.17 | 266.60 | 267.80 | 269.14 | 270.27 | 271.81 | 272.85 | 273.49 | 273.81 | 274.17 | | | | |
| PROPOSED LEVEL | 264.343 | 265.823 | 267.123 | 268.423 | 269.723 | 271.023 | 272.323 | 273.623 | 274.923 | 276.223 | 277.634 | 279.110 | 279.944 | 280.112 | 279.613 | 278.459 | 277.086 | 275.712 | 274.755 | 274.794 | | | |
| CHAINAGE | 0+000.000 | 0+020.000 | 0+040.000 | 0+060.000 | 0+080.000 | 0+100.000 | 0+120.000 | 0+140.000 | 0+160.000 | 0+180.000 | 0+200.000 | 0+220.000 | 0+240.000 | 0+260.000 | 0+280.000 | 0+300.000 | 0+320.000 | 0+340.000 | 0+360.000 | 0+380.000 | 0+400.000 | 0+420.000 | 0+440.000 |

STOCKWELL FARM ACCESS
SCALE 1:1000 (HORIZ), 1:200 (VERT)

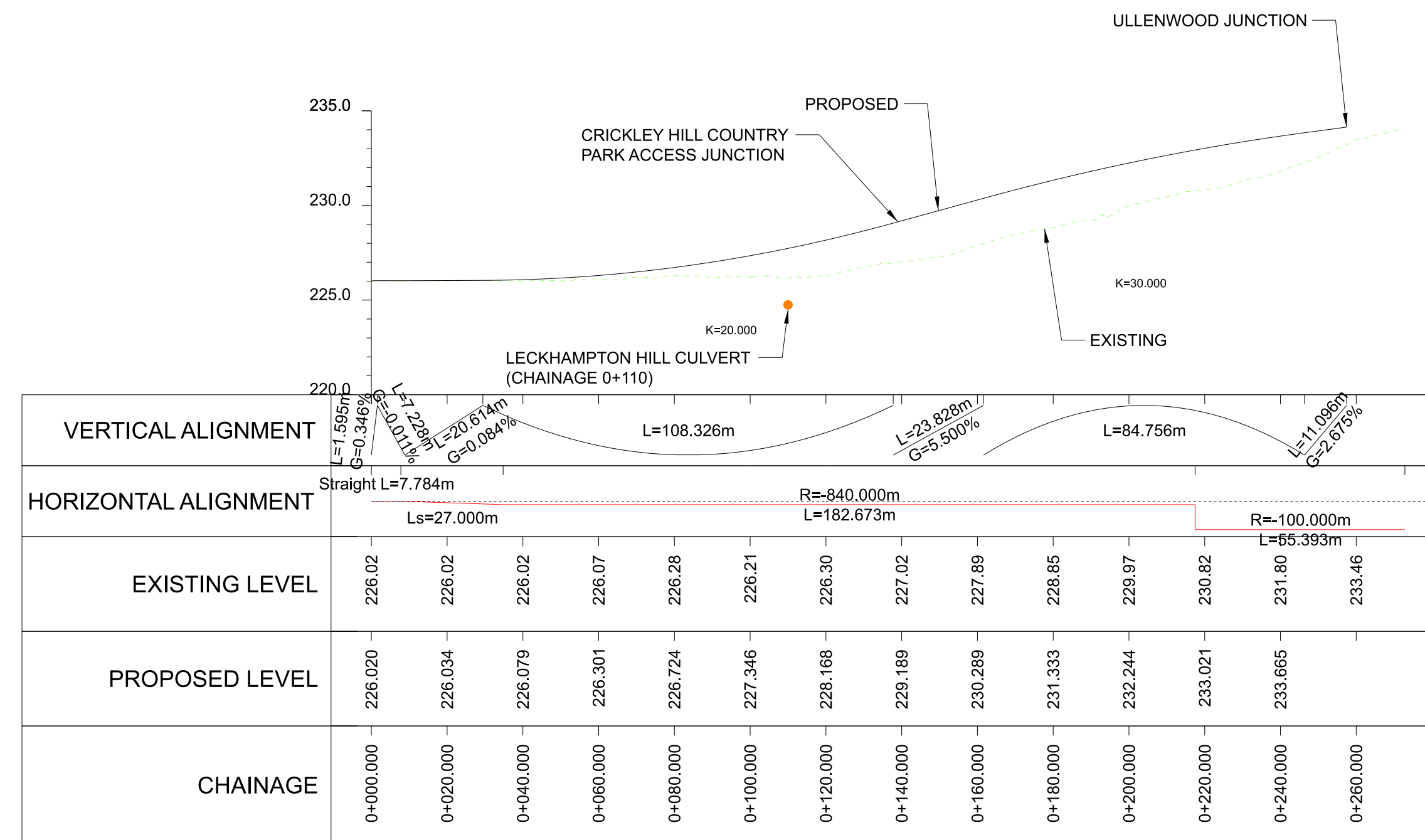
LEGEND

- EXISTING LEVEL
- PROPOSED LEVEL
- LOCATION OF DRAINAGE OUTFALL
- LOCATION OF CULVERT
- LOCATION OF MAMMAL CULVERT

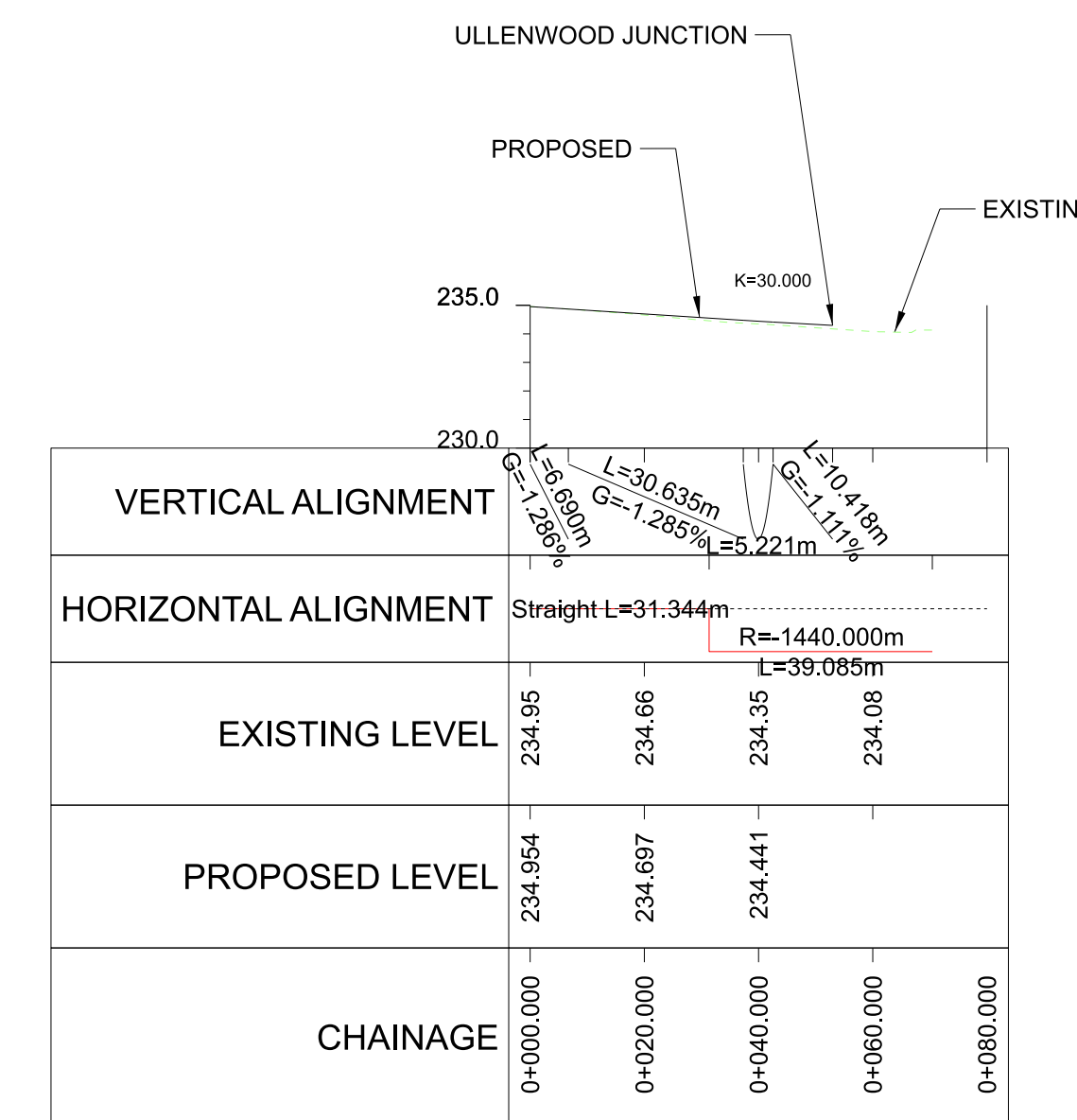
NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
2. TO BE READ IN CONJUNCTION WITH GENERAL ARRANGEMENT DRAWINGS: HE551505-ARP-LSI-X_XX_XXXX_X-DR-ZL-100000 TO HE55105-ARP-LSI-X_XX_XXXX_X-DR-ZL-100006.

| | | | | | | | | | | |
|----------------|------------|----------|----------|------------|----------------|---|--|--|--|--|
| | | | | | Suitability | A3 STAGE COMPLETED | | | | |
| | | | | | Drawing Status | | | | | |
| | | | | | Client | | | | | |
| | | | | | Project Title | A417 MISSING LINK | | | | |
| | | | | | Drawing Title | ENGINEERING SECTION DRAWINGS STOCKWELL FARM ACCESS - SHEET 1 OF 1 APFP REGULATIONS 6(2) APPLICATION NUMBER: TR010056 | | | | |
| Scale | By | Checked | Approved | Authorised | | | | | | |
| As Shown | JF | DA | CT | YB | | | | | | |
| Original Size | Date | Date | Date | Date | | | | | | |
| A1 | 20/05/21 | 20/05/21 | 24/05/21 | 24/05/21 | | | | | | |
| Drawing Number | Originator | Volume | Revision | | | | | | | |
| HE551505 - | ARP | LSI | C01 | | | | | | | |
| X_LN_COWL_Z | -DR - ZL | -000001 | | | | | | | | |
| Location | Type | Role | Number | | | | | | | |



LECKHAMPTON HILL
SCALE 1:1250 (HORIZ), 1:250 (VERT)



EXISTING A436
SCALE 1:1250 (HORIZ), 1:250 (VERT)

LEGEND

- EXISTING LEVEL
- PROPOSED LEVEL
- LOCATION OF DRAINAGE OUTFALL
- LOCATION OF CULVERT
- LOCATION OF MAMMAL CULVERT

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
2. TO BE READ IN CONJUNCTION WITH GENERAL ARRANGEMENT DRAWINGS: HE551505-ARP-LSI-X_XX_XXXX_X-DR-ZL-100000 TO HE55105-ARP-LSI-X_XX_XXXX_X-DR-ZL-100006.

| Rev. | Date | Description | By | Chk'd | App'd | Auth'd |
|------|----------|-----------------------------------|----|-------|-------|--------|
| C01 | 24/05/21 | APPLICATION SUBMISSION (MAY 2021) | JF | DA | CT | YB |

| | | | |
|-------------|----|----------------|-----------------|
| Suitability | A3 | Drawing Status | STAGE COMPLETED |
| Client | | | |
| | | | |

| | | | | | | | | | | | |
|--|------------------------|------------|----------|---------|----------|-------------------|----------|------------|----------|----------|--|
| Project Title | | | | | | A417 MISSING LINK | | | | | |
| Drawing Title | | | | | | | | | | | |
| ENGINEERING SECTION DRAWINGS ULLENWOOD JUNCTION APPROACH ROADS APFP REGULATIONS 6(2) SHEET 1 OF 1 (APPLICATION NO.: TR010056) | | | | | | | | | | | |
| Scale | As Shown | By | JF | Checked | DA | Approved | CT | Authorised | YB | Revision | |
| Original Size | A1 | Date | 20/05/21 | Date | 20/05/21 | Date | 24/05/21 | Date | 24/05/21 | C01 | |
| Drawing Number | HE551505 - X_JN_AIRB_Z | Originator | ARP | Volume | LSI | -DR - ZL - 000001 | | | C01 | | |
| Location | | Type | | Role | | Number | | | | | |