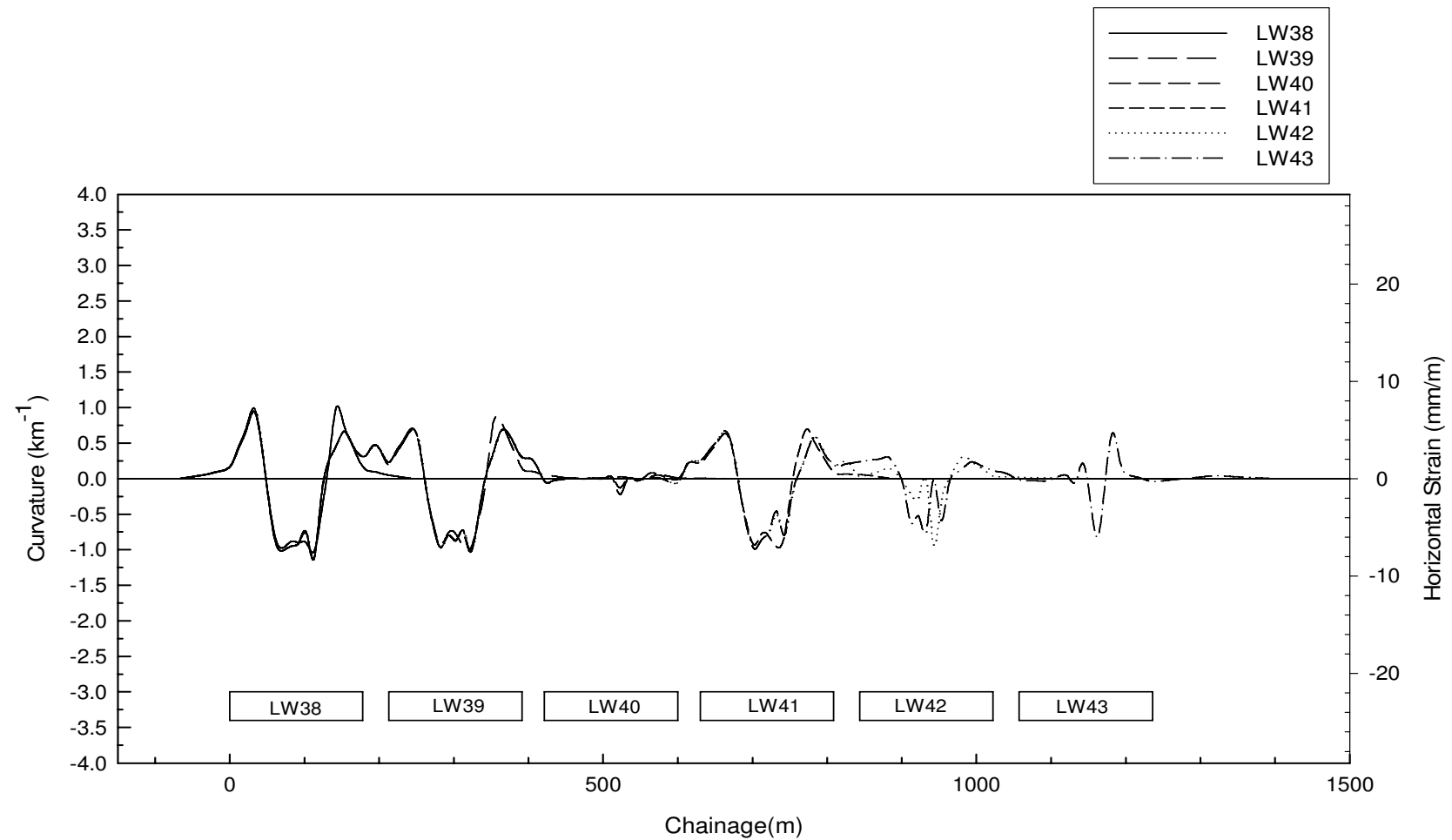




DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 30.06.09

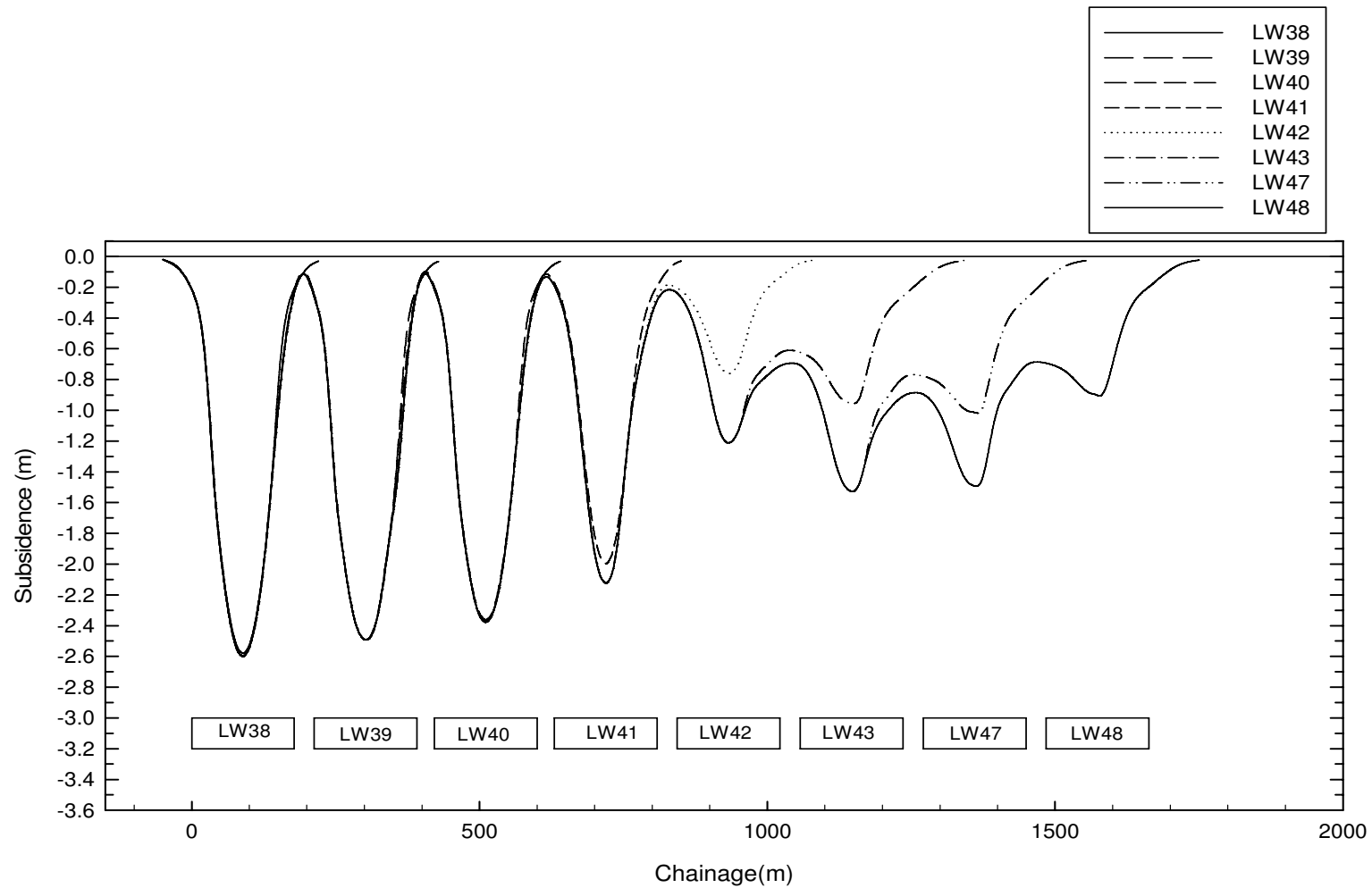
Ditton Geotechnical  
Services Pty Ltd

Client: West Wallsend Colliery  
WWD-012/1

Title: Predicted U95% Confidence Limit Curvature Profiles for XL 1 (looking south)  
- see Figure 1a for Location

Scale: NTS

Figure No: 28c



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 30.06.09

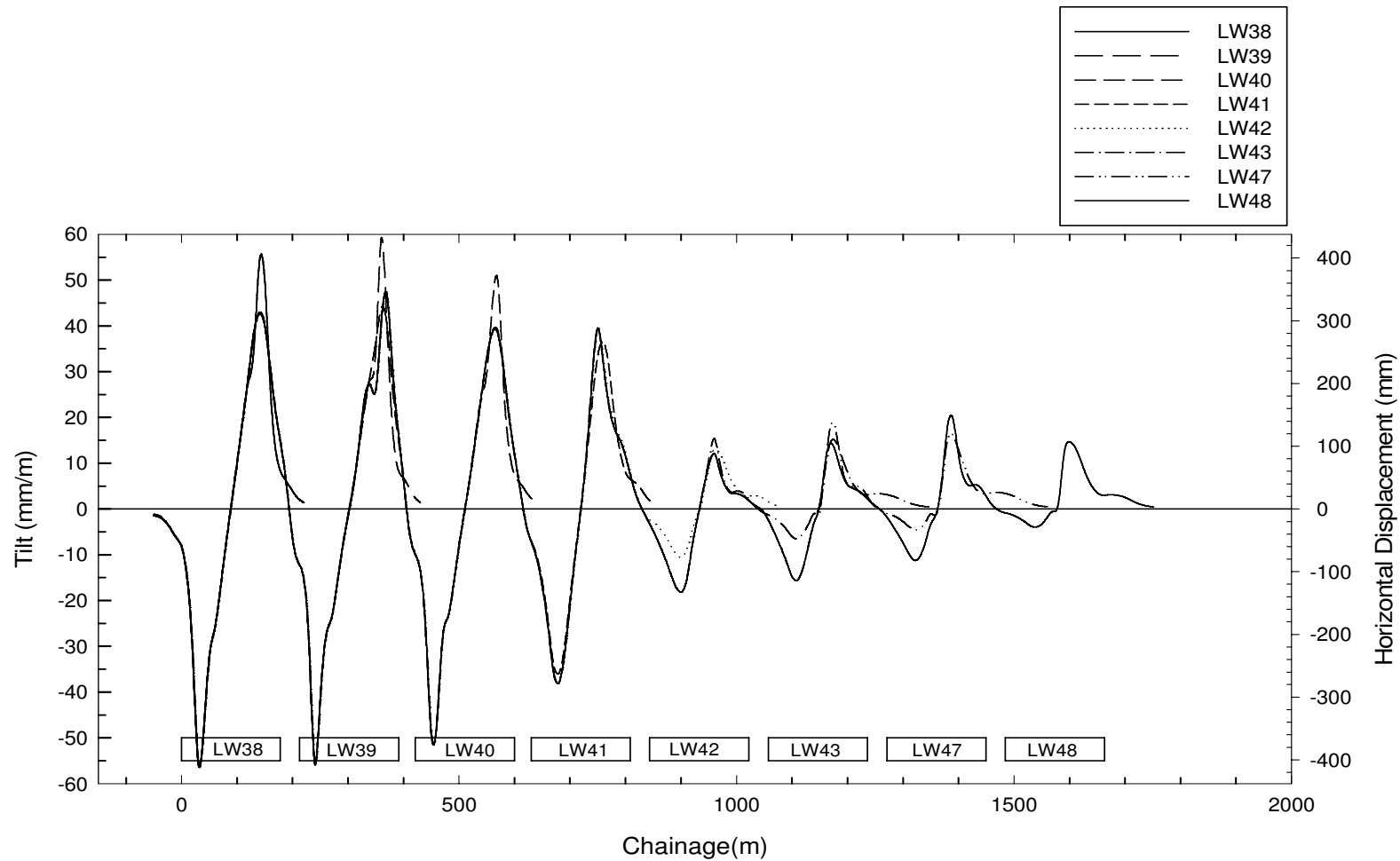
Ditton Geotechnical  
Services Pty Ltd

Client: West Wallsend Colliery  
WWD-012/1

Title: Predicted U95%CL Subsidence Profiles for XL 5 (looking south)  
- see Figure 1a for Location

Scale: NTS

Figure No: 29a



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 30.06.09

Ditton Geotechnical  
Services Pty Ltd

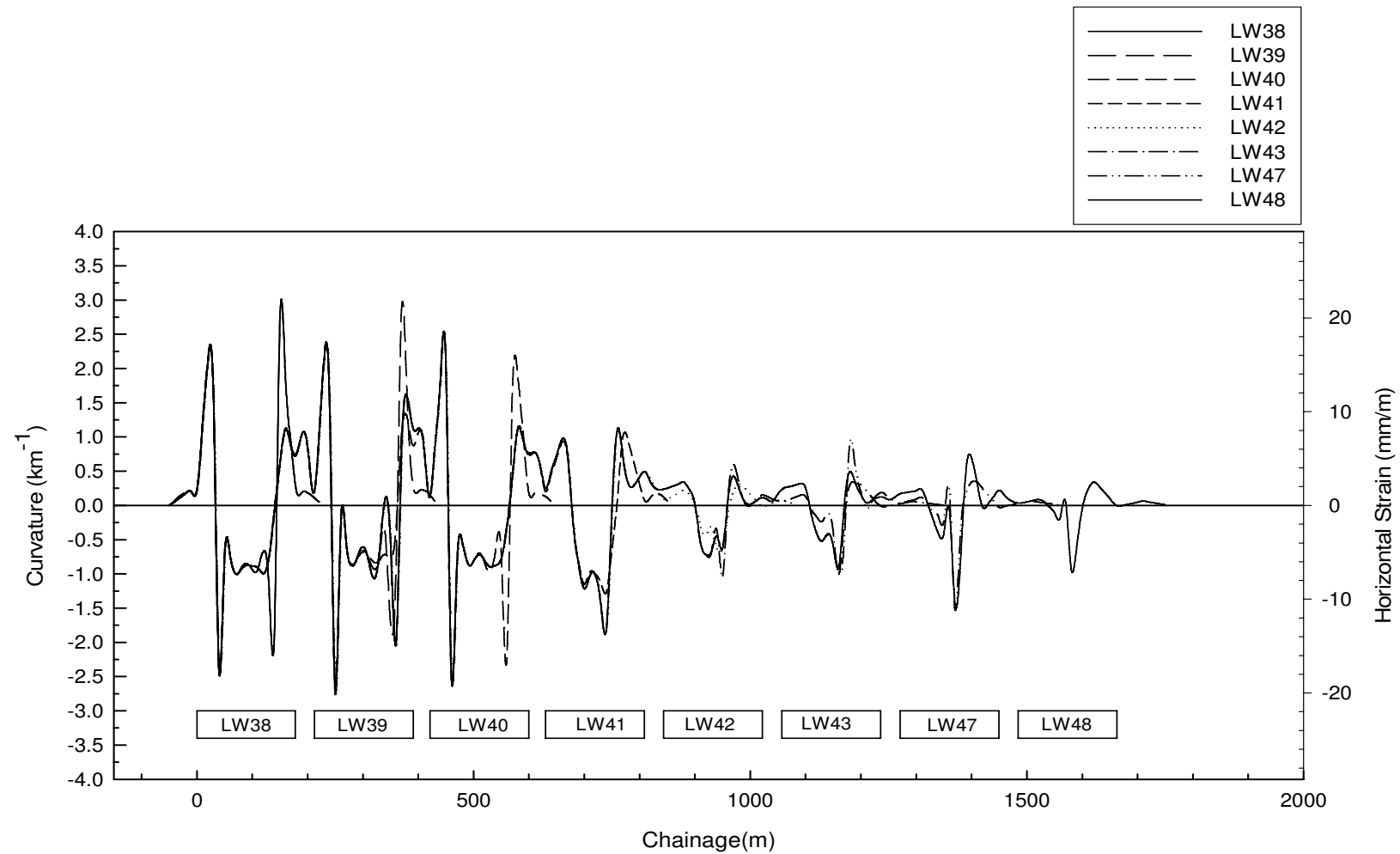
Client: West Wallsend Colliery

WWD-012/1

Title: Predicted U95% Confidence Limit Tilt Profiles for XL 5 (looking south)  
- see Figure 1a for Location

Scale: NTS

Figure No: 29b



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 30.06.09

Ditton Geotechnical  
Services Pty Ltd

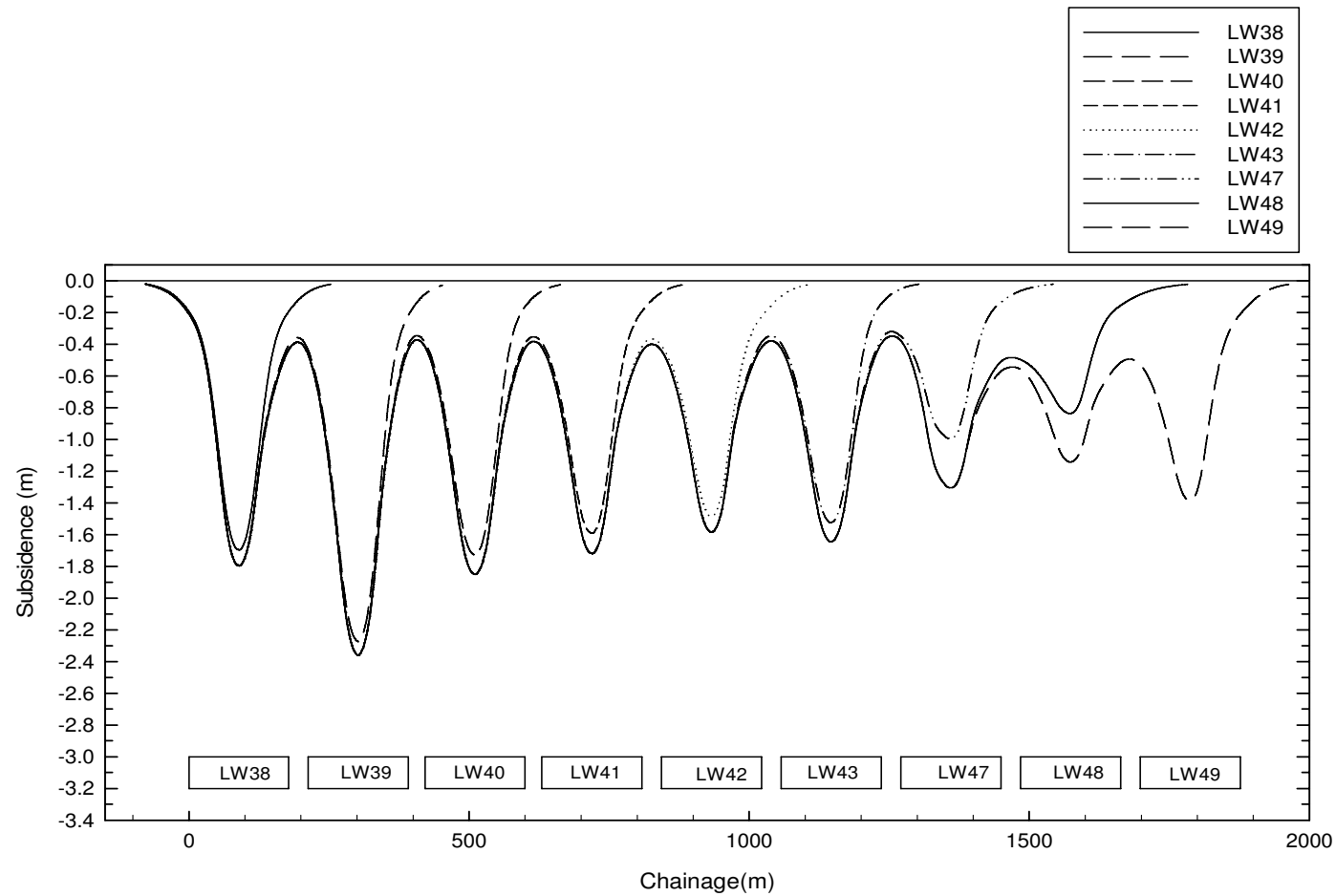
Client: West Wallsend Colliery  
WWD-012/1

Title: Predicted U95% Confidence Limit Curvature Profiles for XL 5 (looking south)  
- see Figure 1a for Location

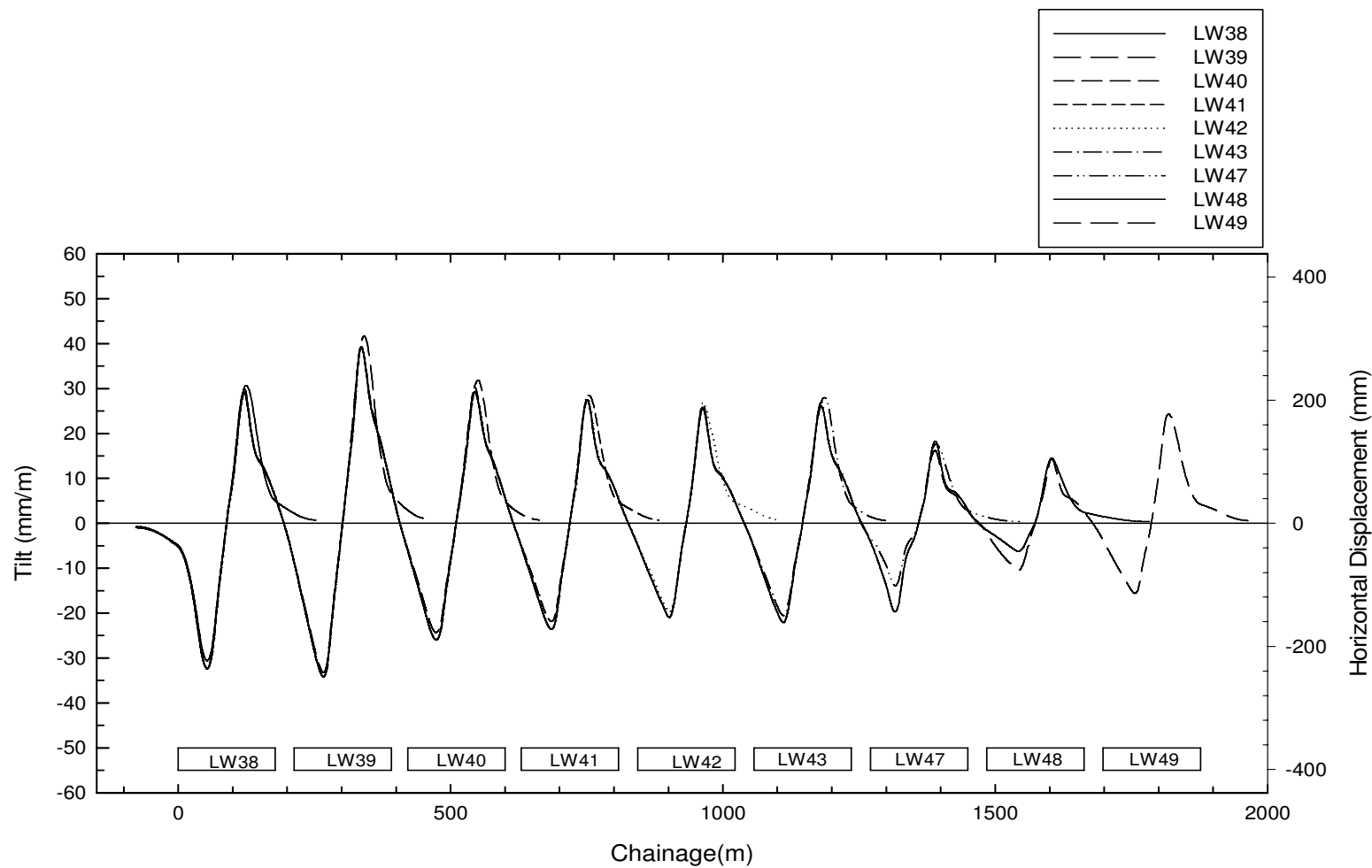
Scale: NTS

Figure No: 29c

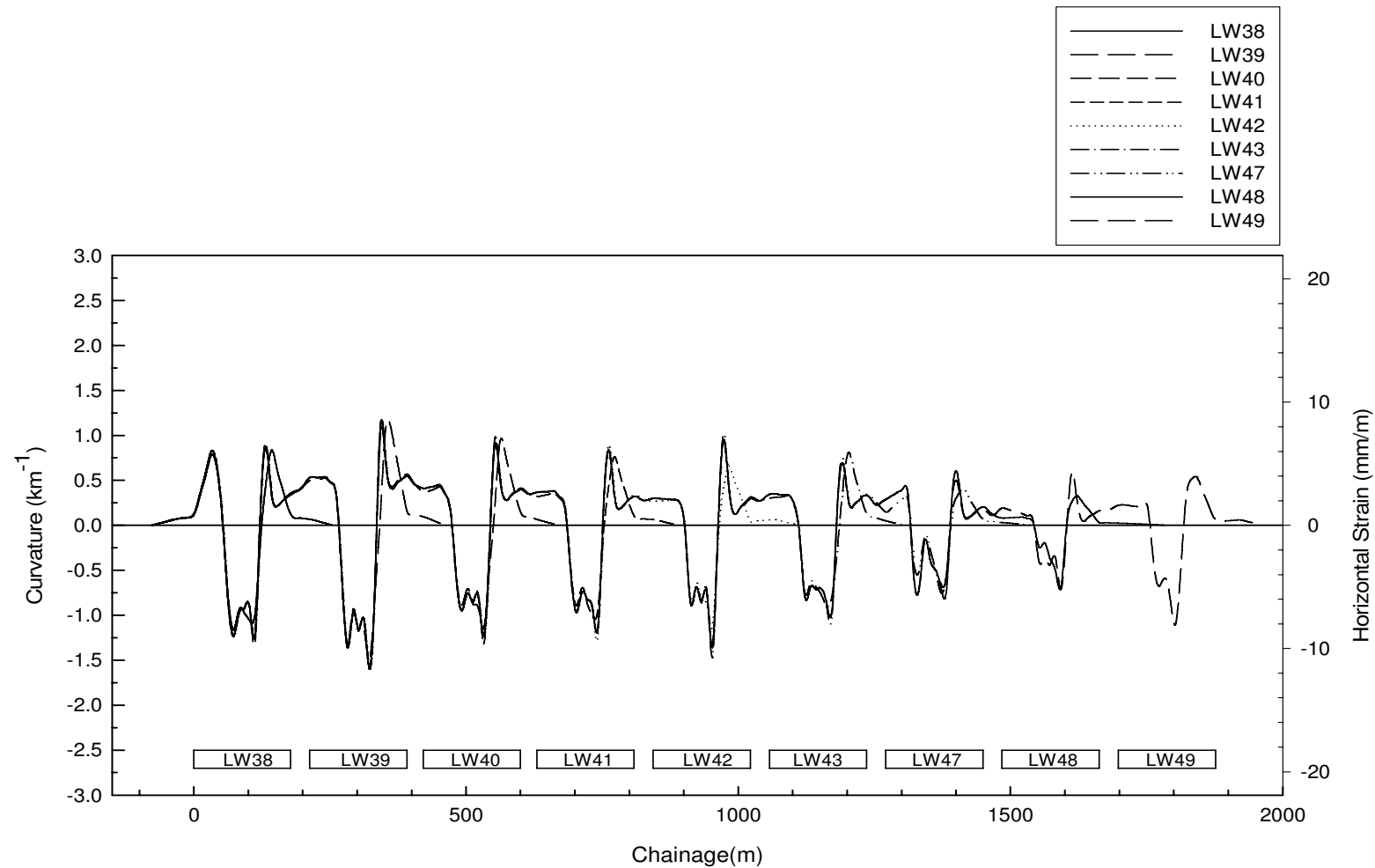




|                                                                                     |                     |          |         |                                                               |  |            |     |
|-------------------------------------------------------------------------------------|---------------------|----------|---------|---------------------------------------------------------------|--|------------|-----|
|  | Engineer:           | S.Ditton | Client: | West Wallsend Colliery                                        |  |            |     |
|                                                                                     | Drawn:              | S.Ditton |         | WWD-012/1                                                     |  |            |     |
|                                                                                     | Date:               | 30.06.09 | Title:  | Predicted U95%CL Subsidence Profiles for XL 7 (looking south) |  |            |     |
|                                                                                     | Ditton Geotechnical |          |         | - see Figure 1a for Location                                  |  |            |     |
|                                                                                     | Services Pty Ltd    |          | Scale:  | NTS                                                           |  | Figure No: | 30a |



|                                                                                     |                     |          |         |                                                                        |  |                |
|-------------------------------------------------------------------------------------|---------------------|----------|---------|------------------------------------------------------------------------|--|----------------|
|  | Engineer:           | S.Ditton | Client: | West Wallsend Colliery                                                 |  |                |
|                                                                                     | Drawn:              | S.Ditton |         | WWD-012/1                                                              |  |                |
|                                                                                     | Date:               | 30.06.09 | Title:  | Predicted U95% Confidence Limit Tilt Profiles for XL 7 (looking south) |  |                |
|                                                                                     | Ditton Geotechnical |          |         | - see Figure 1a for Location                                           |  |                |
|                                                                                     | Services Pty Ltd    |          | Scale:  | NTS                                                                    |  | Figure No: 30b |



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 30.06.09

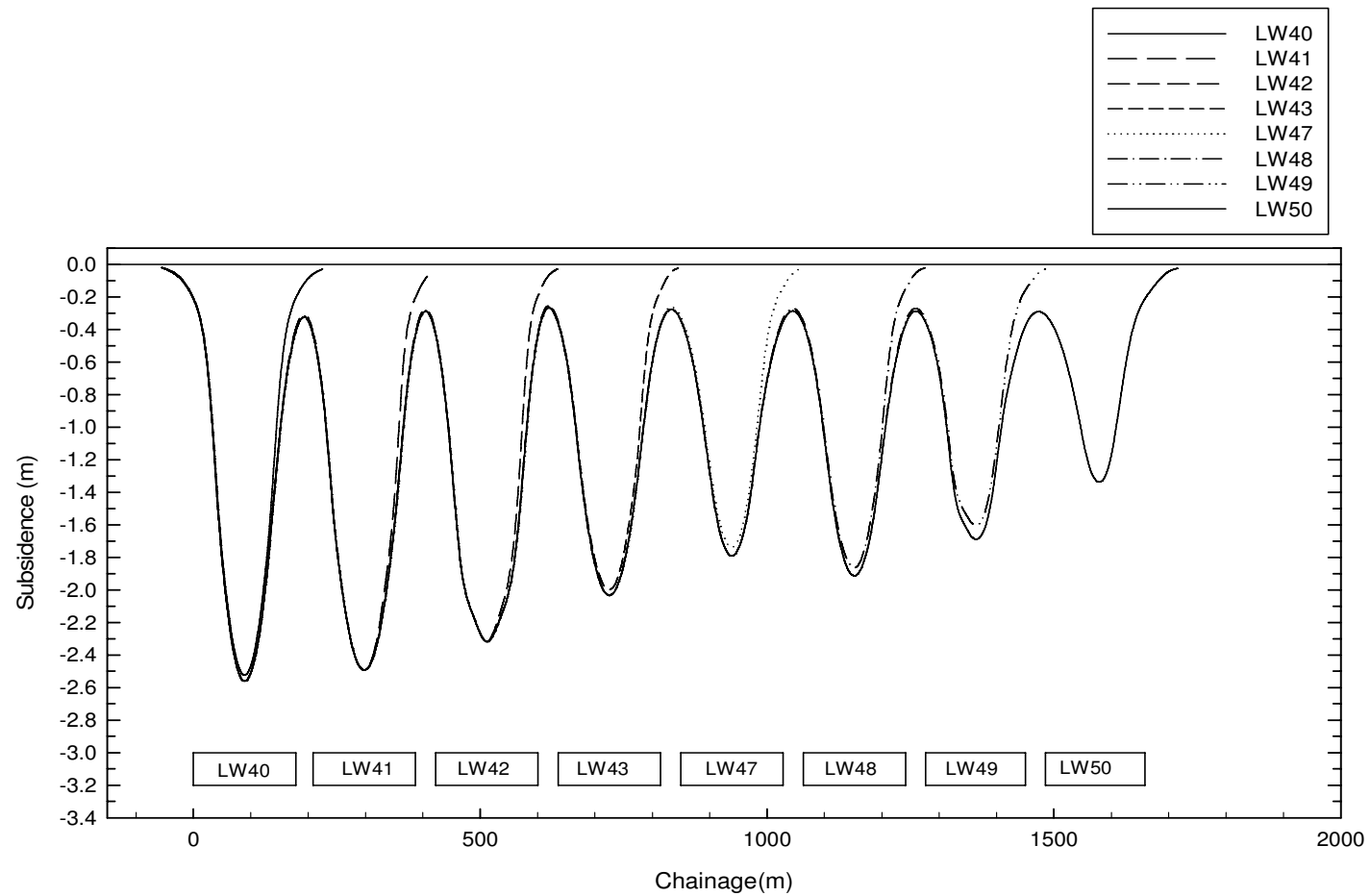
Ditton Geotechnical  
Services Pty Ltd

Client: West Wallsend Colliery  
WWD-012/1

Title: Predicted U95% Confidence Limit Curvature Profiles for XL 7 (looking south)  
- see Figure 1a for Location

Scale: NTS

Figure No: 30c



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 30.06.09

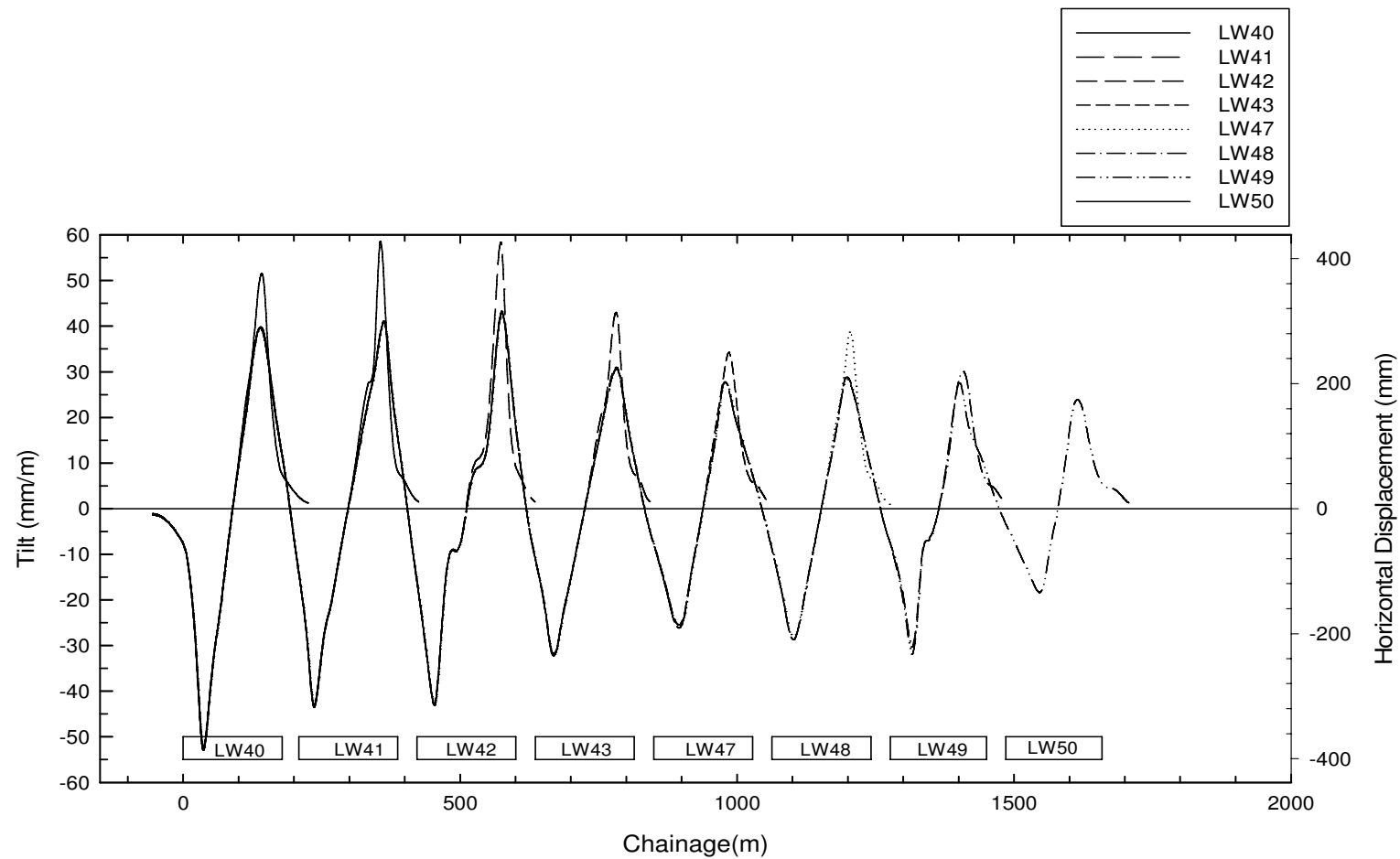
Ditton Geotechnical  
Services Pty Ltd

Client: West Wallsend Colliery  
WWD-012/1

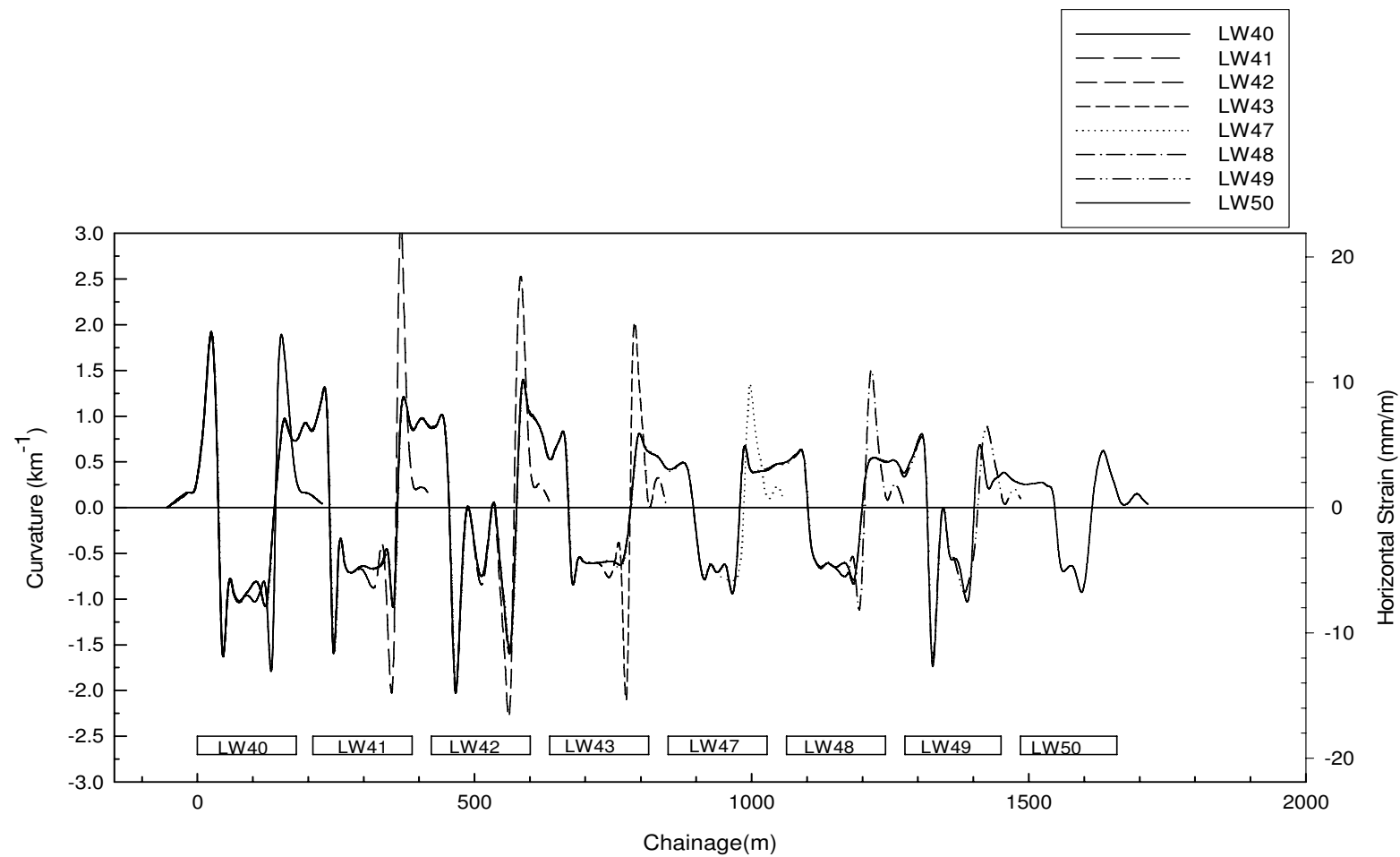
Title: Predicted U95%CL Subsidence Profiles for XL 9 (looking south)  
- see Figure 1a for Location

Scale: NTS

Figure No: 31a



|                                                                                     |                     |          |         |                                                                        |  |            |     |
|-------------------------------------------------------------------------------------|---------------------|----------|---------|------------------------------------------------------------------------|--|------------|-----|
|  | Engineer:           | S.Ditton | Client: | West Wallsend Colliery                                                 |  |            |     |
|                                                                                     | Drawn:              | S.Ditton |         | WWD-012/1                                                              |  |            |     |
|                                                                                     | Date:               | 30.06.09 | Title:  | Predicted U95% Confidence Limit Tilt Profiles for XL 9 (looking south) |  |            |     |
|                                                                                     | Ditton Geotechnical |          |         | - see Figure 1a for Location                                           |  |            |     |
|                                                                                     | Services Pty Ltd    |          | Scale:  | NTS                                                                    |  | Figure No: | 31b |



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 30.06.09

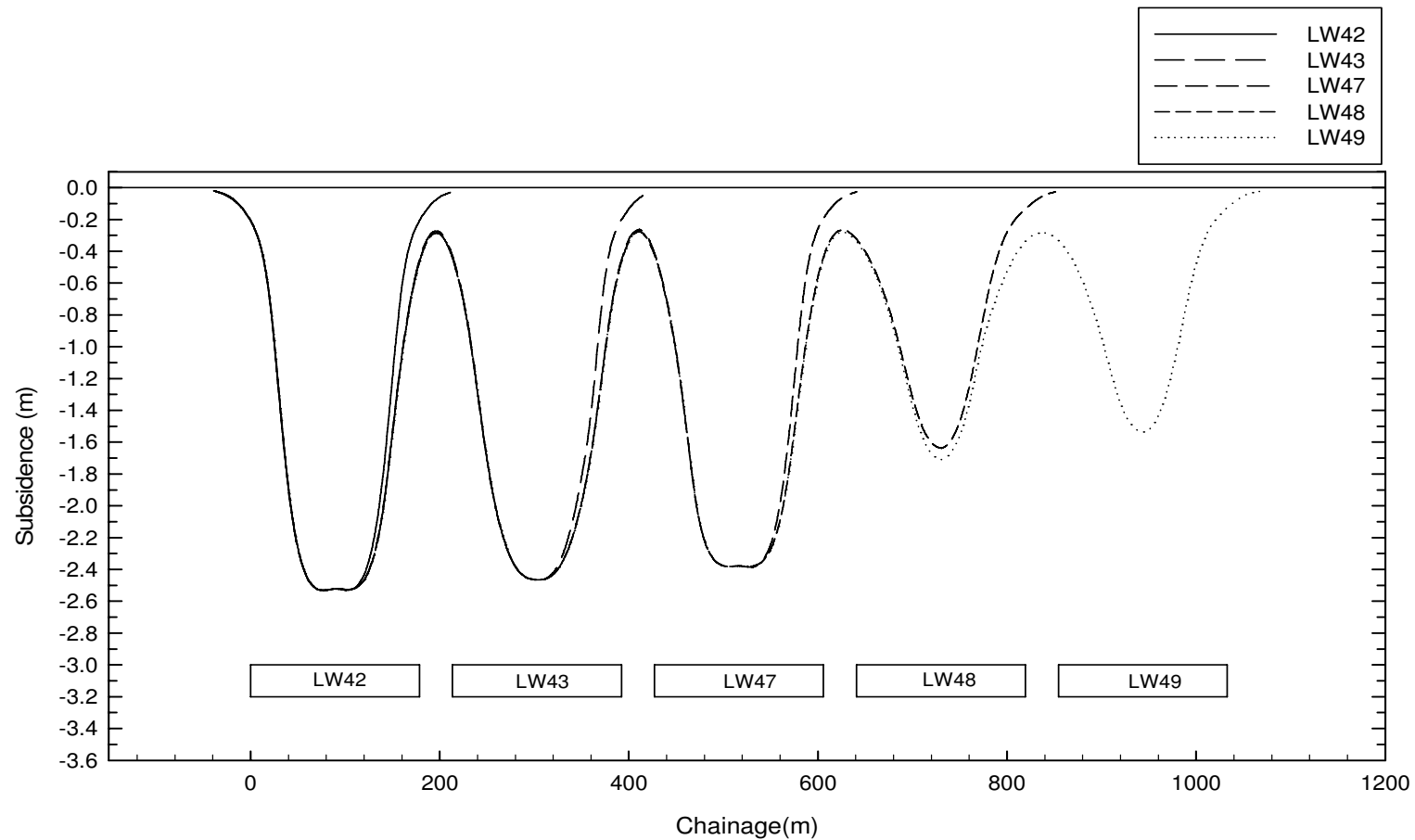
Ditton Geotechnical  
Services Pty Ltd

Client: West Wallsend Colliery  
WWD-012/1

Title: Predicted U95% Confidence Limit Curvature Profiles for XL 9 (looking south)  
- see Figure 1a for Location

Scale: NTS

Figure No: 31c



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 30.06.09

Ditton Geotechnical

Services Pty Ltd

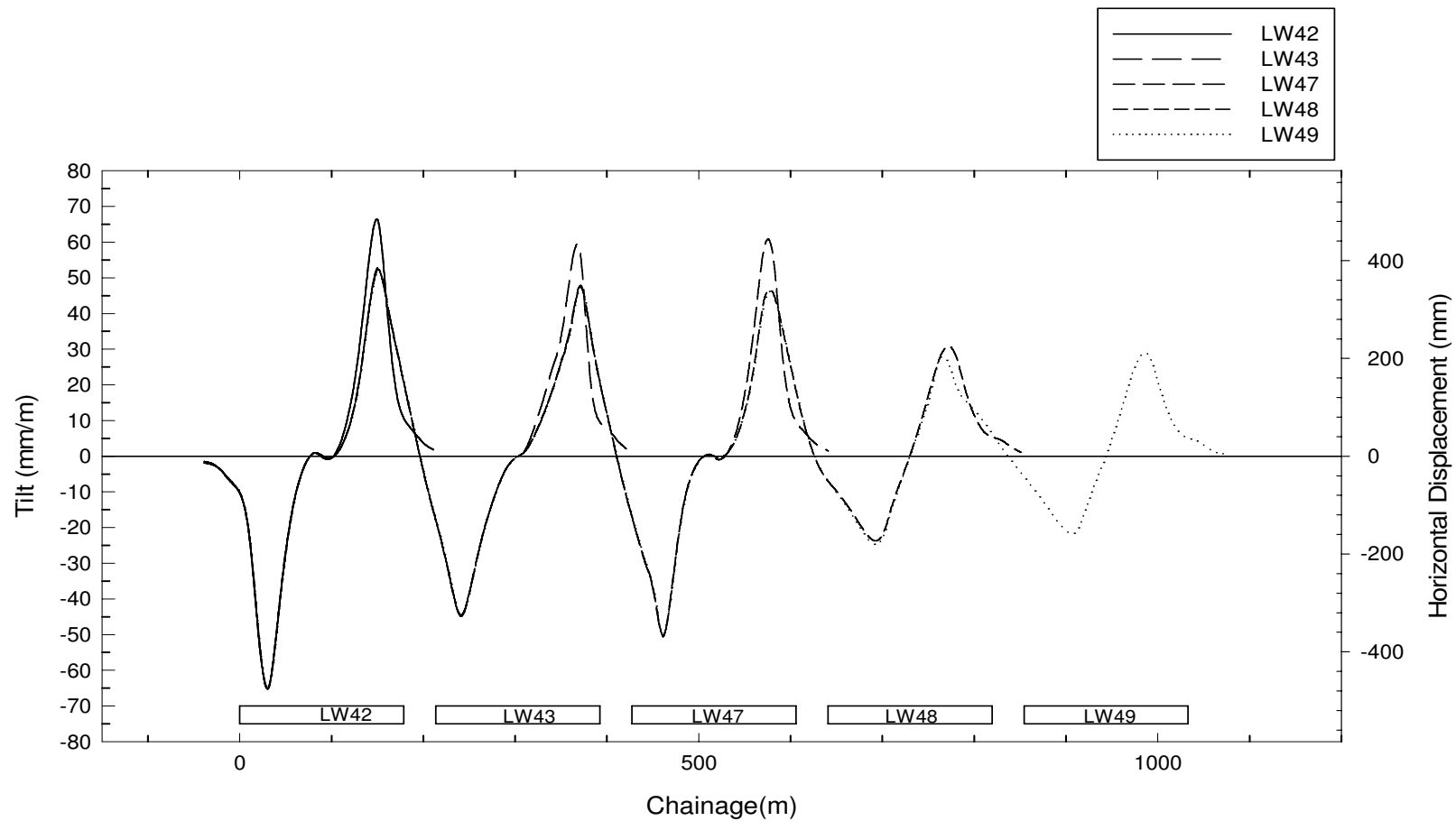
Client: West Wallsend Colliery

WWD-012/1

Title: Predicted U95%CL Subsidence Profiles for XL 10 (looking south)  
- see Figure 1a for Location

Scale: NTS

Figure No: 32a



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 30.06.09

Ditton Geotechnical  
Services Pty Ltd

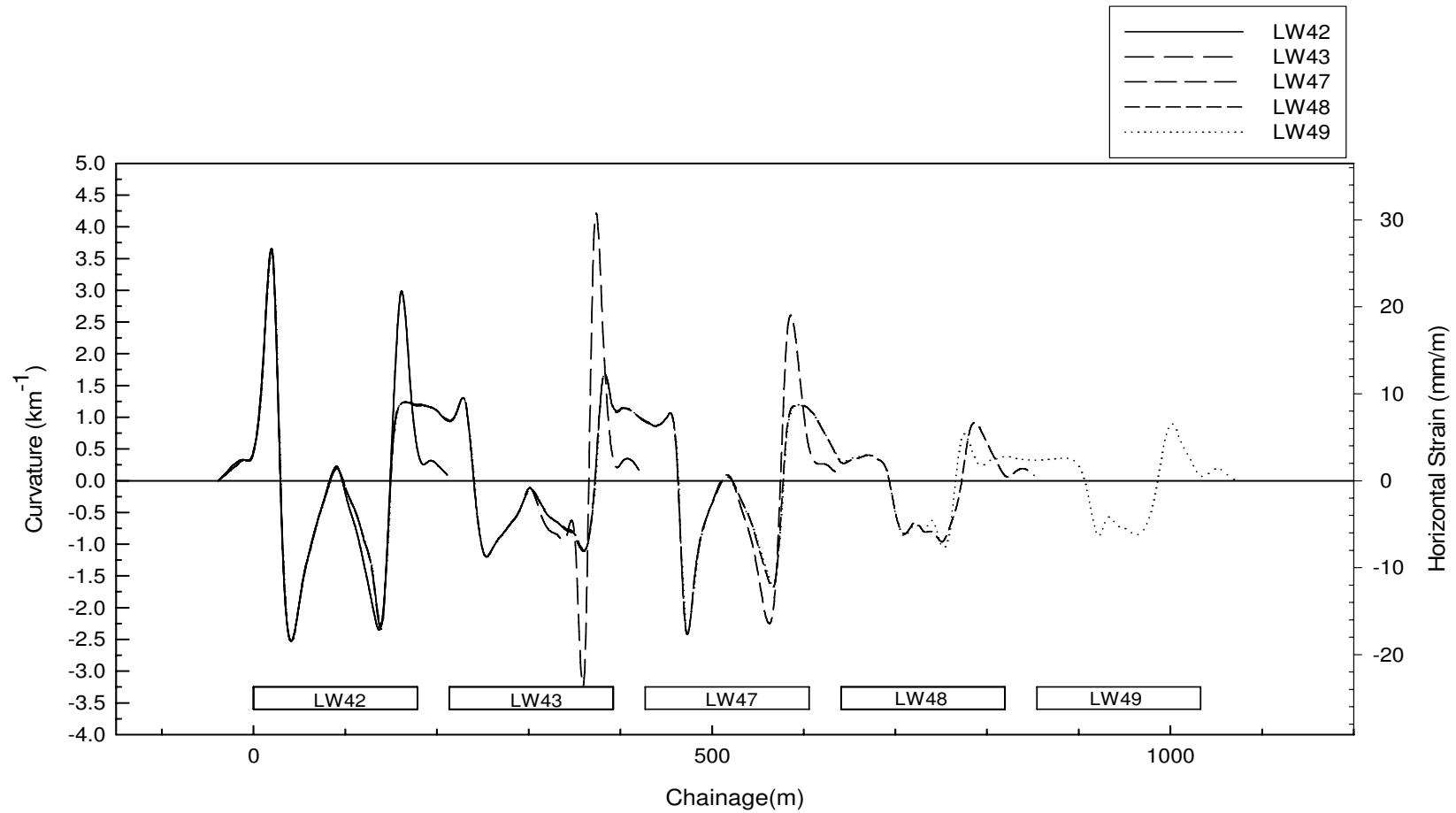
Client: West Wallsend Colliery  
WWD-012/1

Title: Predicted U95% Confidence Limit Tilt Profiles for XL 10 (looking south)  
- see Figure 1a for Location

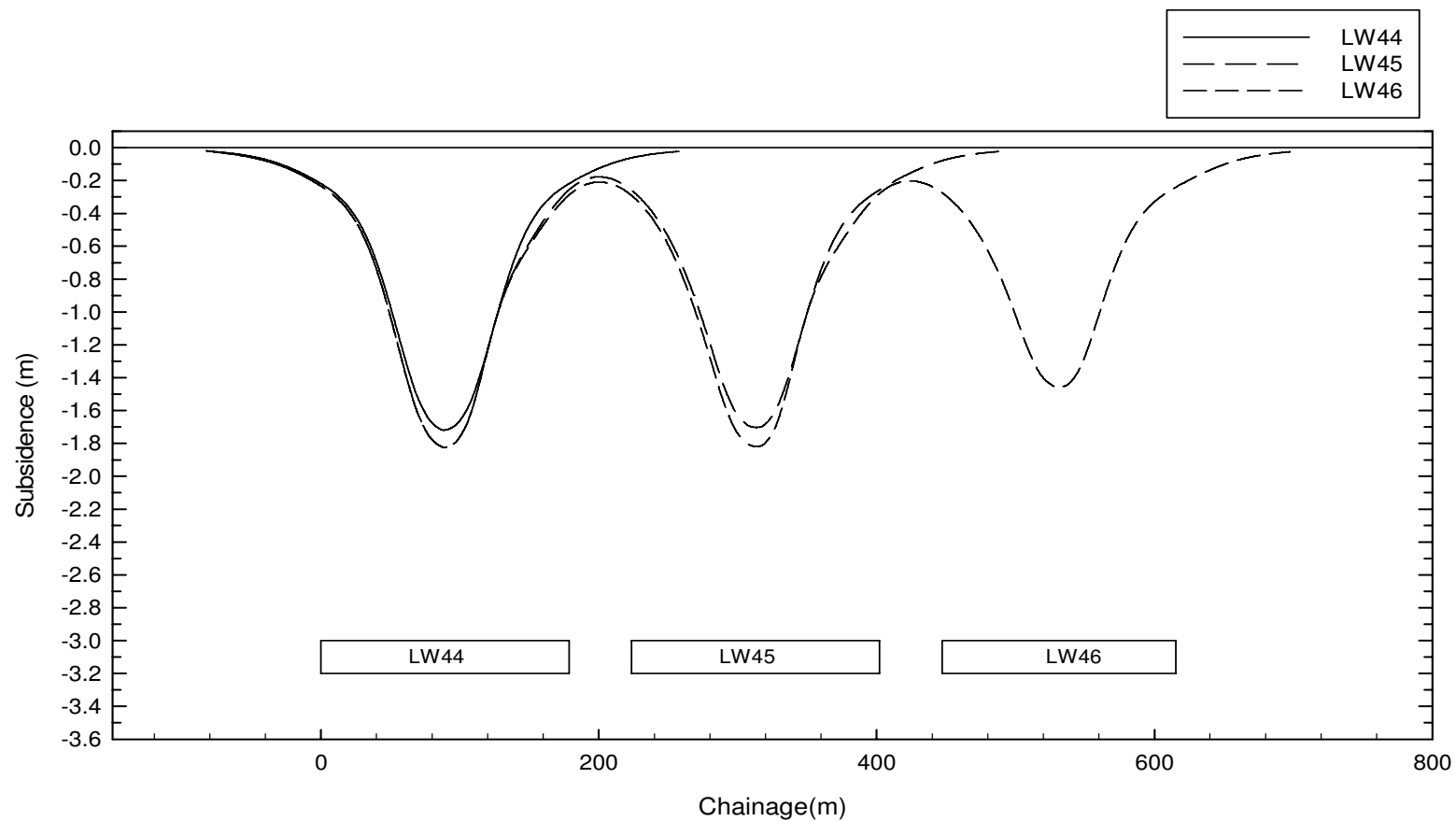
Scale: NTS

Figure No: 32b





|                                                                                     |                     |          |         |                                                                              |  |            |
|-------------------------------------------------------------------------------------|---------------------|----------|---------|------------------------------------------------------------------------------|--|------------|
|  | Engineer:           | S.Ditton | Client: | West Wallsend Colliery                                                       |  |            |
|                                                                                     | Drawn:              | S.Ditton |         | WWD-012/1                                                                    |  |            |
|                                                                                     | Date:               | 30.06.09 | Title:  | Predicted U95% Confidence Limit Curvature Profiles for XL 10 (looking south) |  |            |
|                                                                                     | Ditton Geotechnical |          |         | - see Figure 1a for Location                                                 |  |            |
|                                                                                     | Services Pty Ltd    |          | Scale:  | NTS                                                                          |  | Figure No: |



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 30.06.09

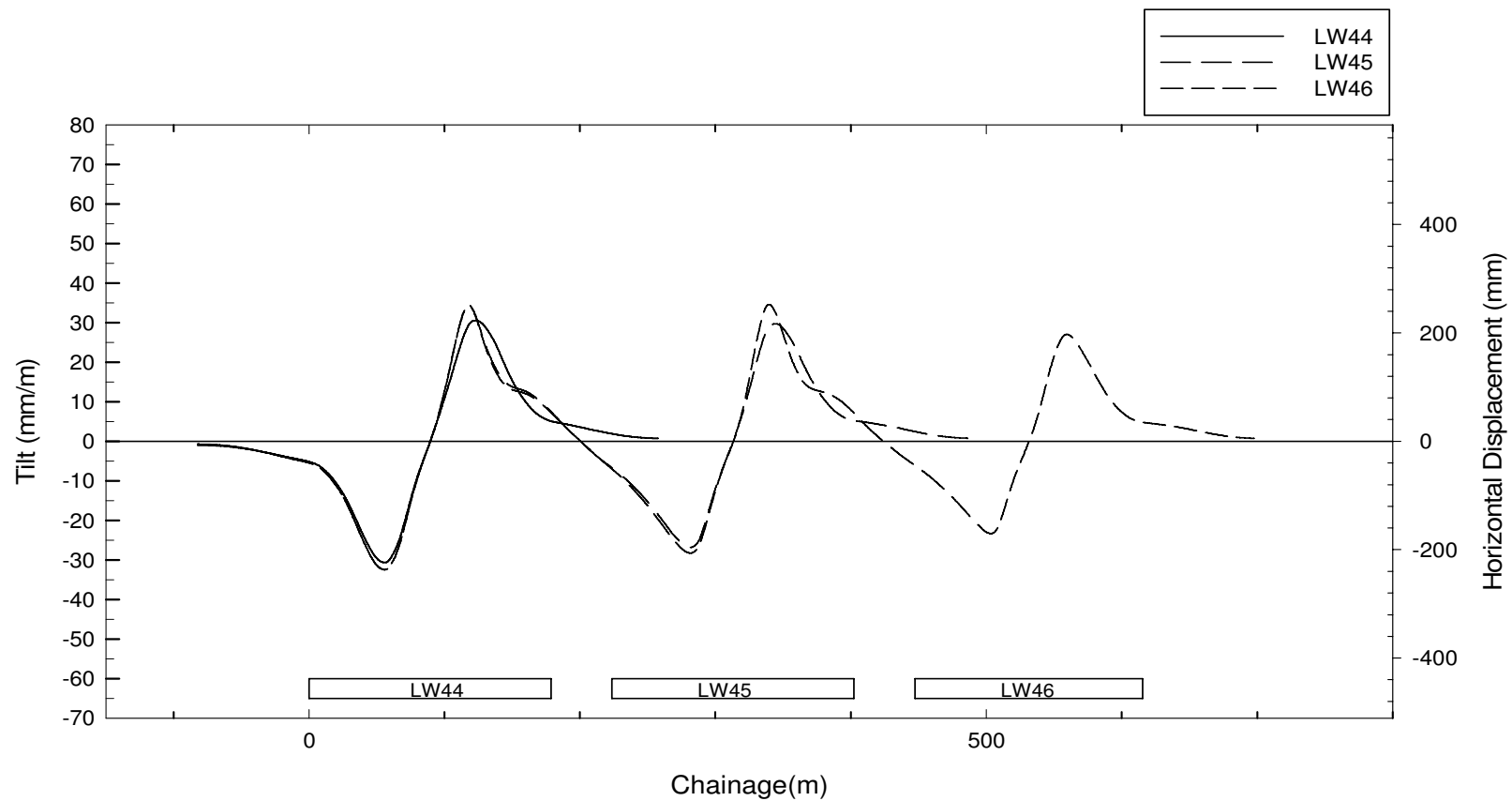
Ditton Geotechnical  
Services Pty Ltd

Client: West Wallsend Colliery  
WWD-012/1

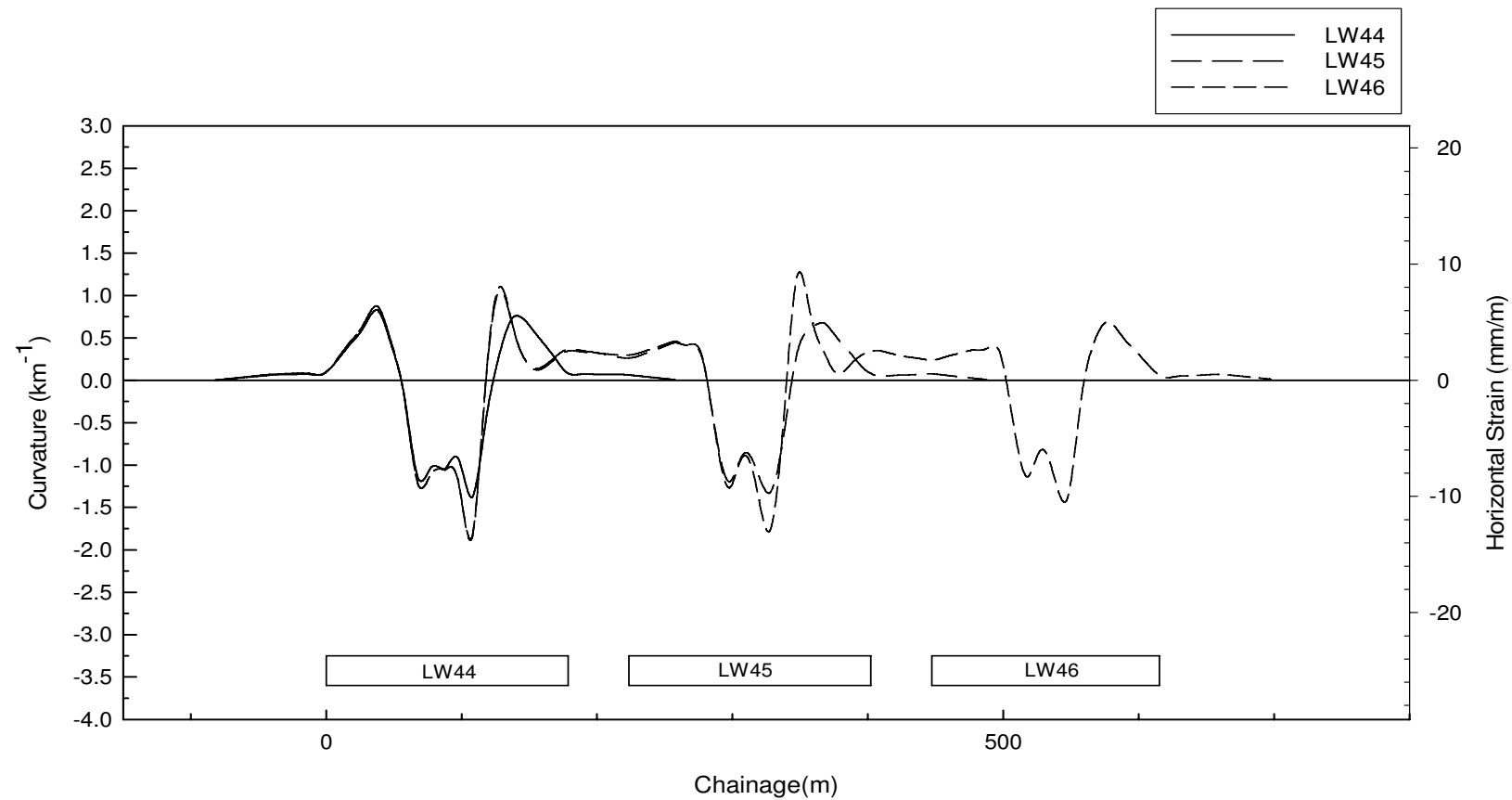
Title: Predicted U95%CL Subsidence Profiles for XL 11 (looking south)  
- see Figure 1b for Location

Scale: NTS

Figure No: 33a



|                                                                                     |                     |          |         |                                                                         |  |            |     |
|-------------------------------------------------------------------------------------|---------------------|----------|---------|-------------------------------------------------------------------------|--|------------|-----|
|  | Engineer:           | S.Ditton | Client: | West Wallsend Colliery                                                  |  |            |     |
|                                                                                     | Drawn:              | S.Ditton |         | WWD-012/1                                                               |  |            |     |
|                                                                                     | Date:               | 30.06.09 | Title:  | Predicted U95% Confidence Limit Tilt Profiles for XL 11 (looking south) |  |            |     |
|                                                                                     | Ditton Geotechnical |          |         | - see Figure 1a for Location                                            |  |            |     |
|                                                                                     | Services Pty Ltd    |          | Scale:  | NTS                                                                     |  | Figure No: | 33b |



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 30.06.09

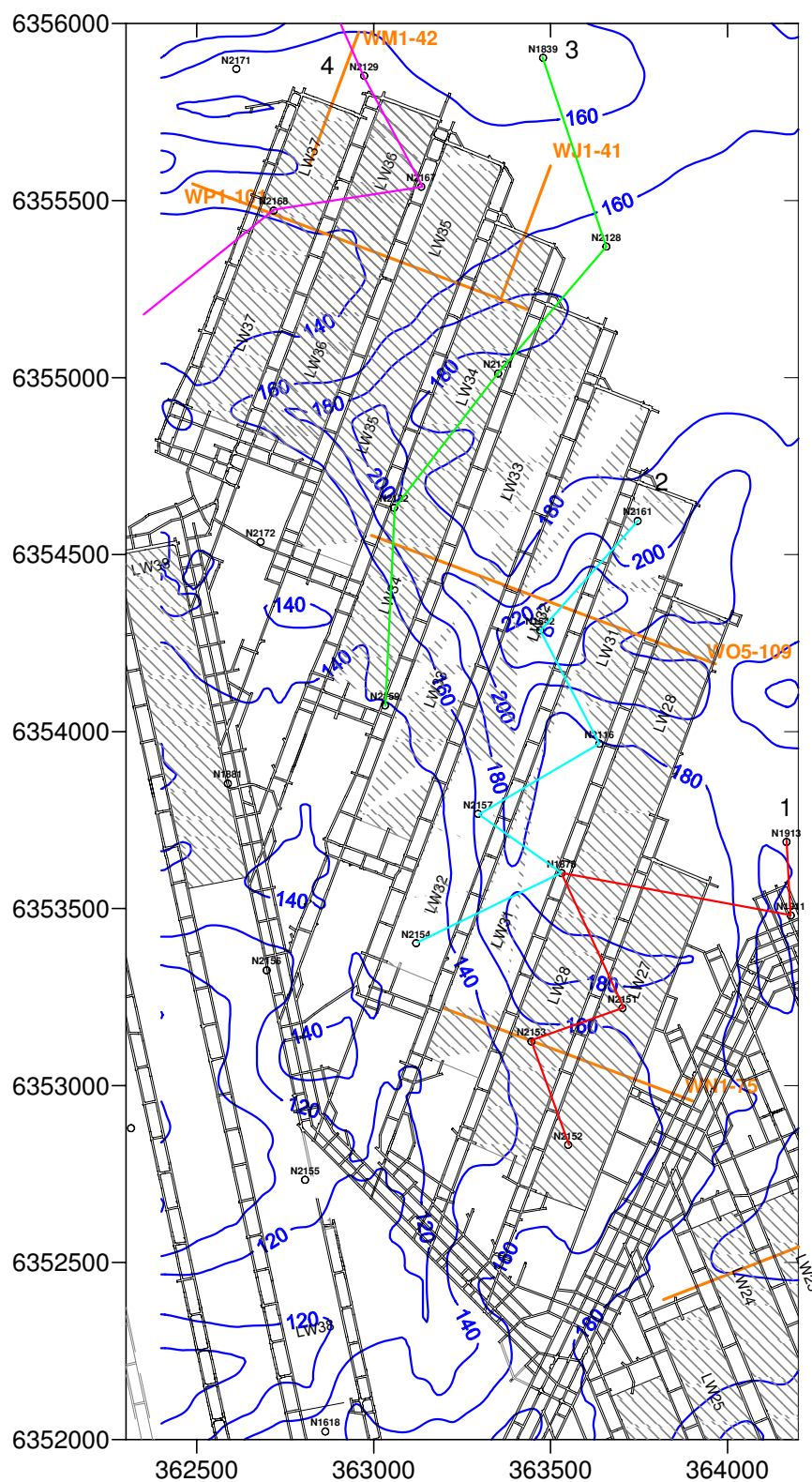
Ditton Geotechnical  
Services Pty Ltd

Client: West Wallsend Colliery  
WWD-012/1

Title: Predicted U95% Confidence Limit Curvature Profiles for XL 11 (looking south)  
- see Figure 1a for Location

Scale: NTS

Figure No: 33c



|      |                          |  |                                         |
|------|--------------------------|--|-----------------------------------------|
| Key: |                          |  |                                         |
|      | Extracted Longwalls      |  | Lithological Section 1 for LWs 27 to 28 |
|      | Survey Lines             |  | Lithological Section 2 for LWs 31 to 32 |
|      | Cover Depth Contours (m) |  | Lithological Section 3 for LWs 33 to 35 |
|      |                          |  | Borehole Location                       |
|      |                          |  | Lithological Section for LWs 36 to 37   |

DgS

Engineer: S.Ditton

Drawn: S.Ditton

Date: 15.01.10

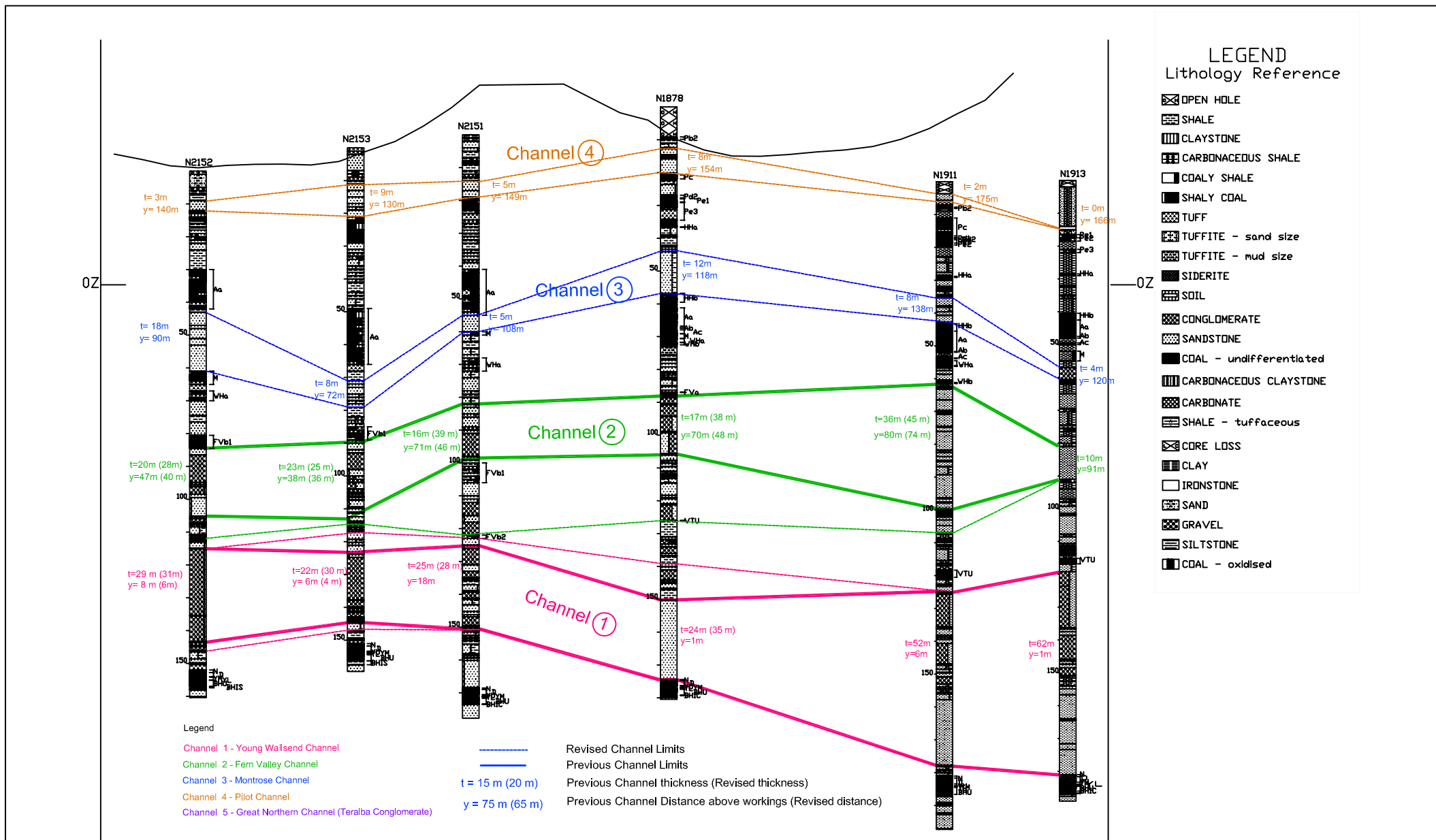
Ditton Geotechnical  
Services Pty Ltd

Client: West Wallsend Colliery  
WWD-012/1

Title: Longwall Layout and Survey Lines assessed for ACARP, 2003  
Model Validation Studies

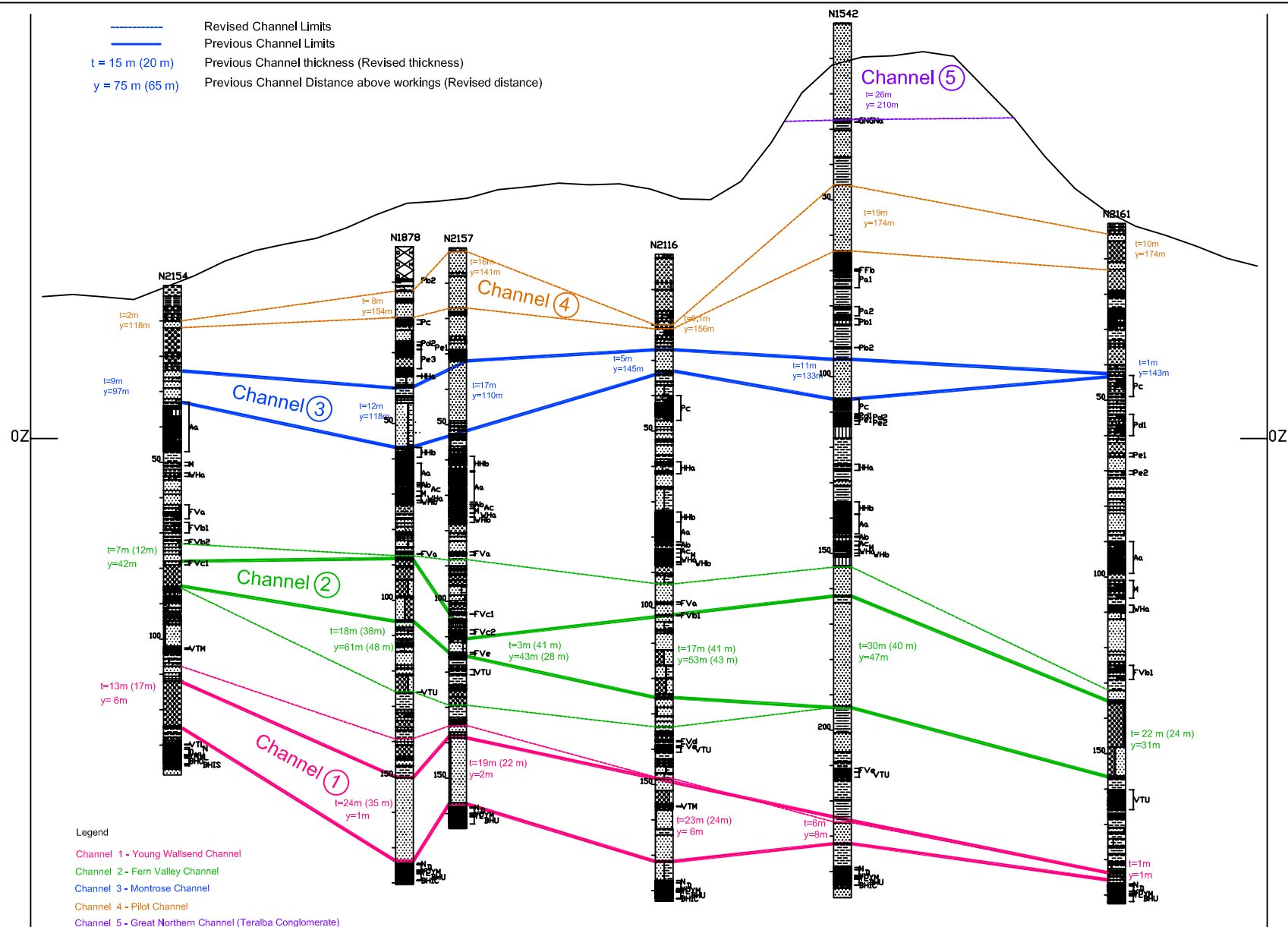
Scale: 1:30,000

Figure No: 34a



|                                                                                     |                                         |            |         |                                                                                                       |     |  |
|-------------------------------------------------------------------------------------|-----------------------------------------|------------|---------|-------------------------------------------------------------------------------------------------------|-----|--|
|  | Engineer:                               | S.Ditton   | Client: | West Wallsend Colliery<br>WWD-012/1                                                                   |     |  |
|                                                                                     | Drawn:                                  | S.Ditton   |         |                                                                                                       |     |  |
|                                                                                     | Date:                                   | 15.01.2010 | Title:  | Interpreted Lithological Long Section 1 in Northern Domain for LWs 27 and 28<br>(refer to Figure 34a) |     |  |
|                                                                                     | Ditton Geotechnical<br>Services Pty Ltd |            |         |                                                                                                       |     |  |
|                                                                                     | Scale:                                  |            | NTS     | Figure No:                                                                                            | 34b |  |

----- Revised Channel Limits  
 ----- Previous Channel Limits  
 t = 15 m (20 m) Previous Channel thickness (Revised thickness)  
 y = 75 m (65 m) Previous Channel Distance above workings (Revised distance)



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 15.01.2010

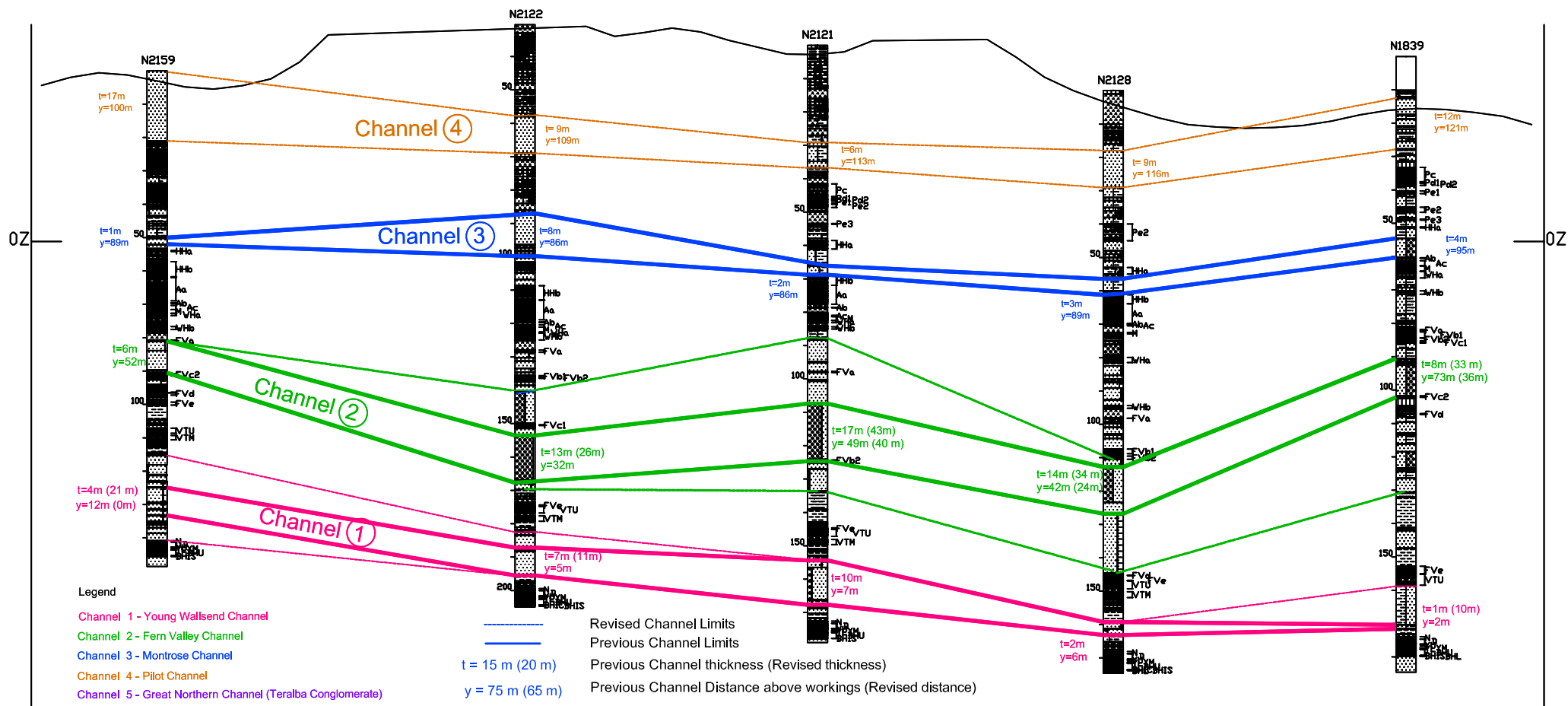
Ditton Geotechnical  
Services Pty Ltd

Client: West Wallsend Colliery  
WWD-012/1

Title: Interpreted Lithological Long Section 2 in Northern Domain for LWs 31 and 32  
(refer to Figure 34a)

Scale: NTS

Figure No: 34c



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 15.01.2010

Ditton Geotechnical  
Services Pty Ltd

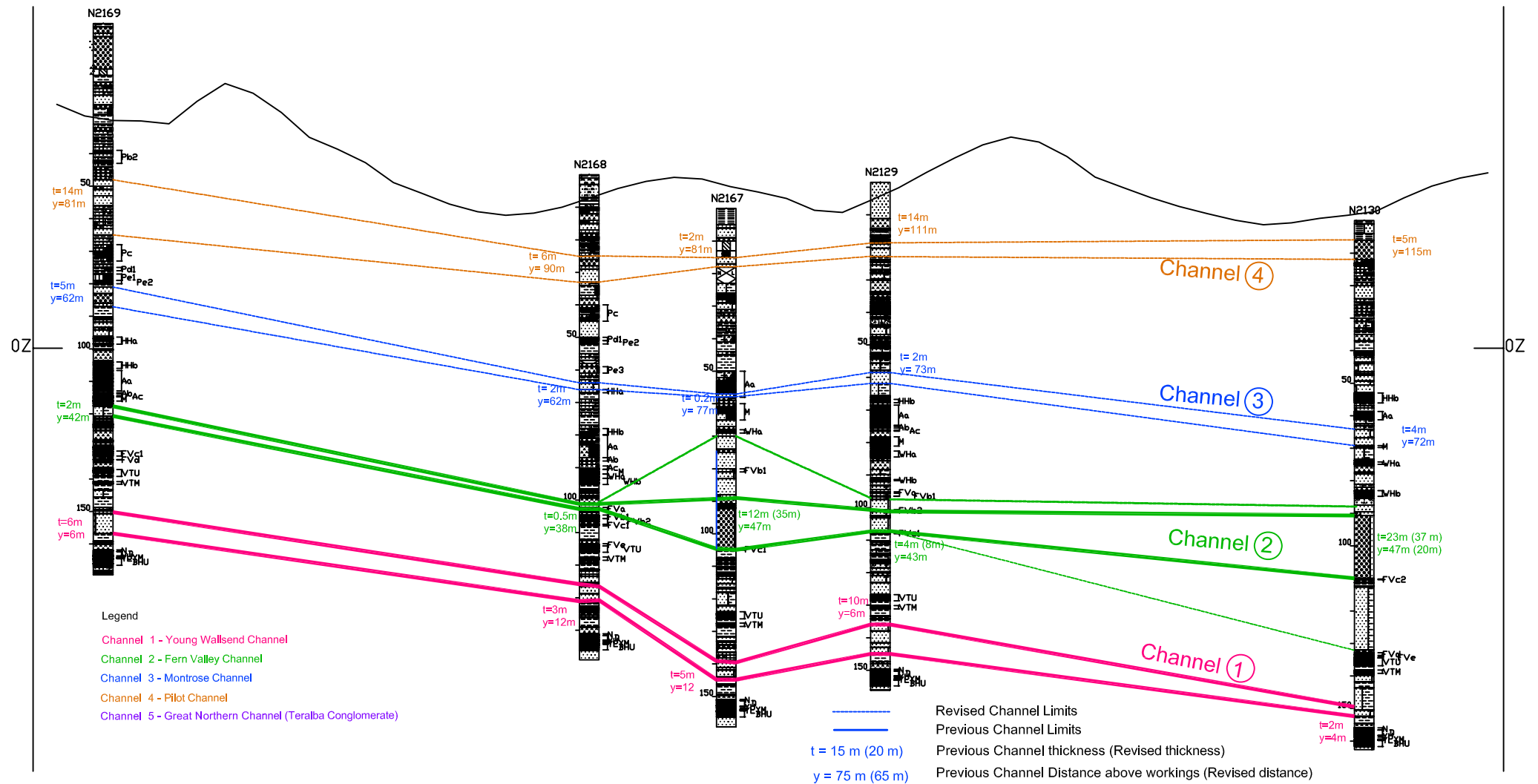
Client: West Wallsend Colliery  
WWD-012/1

Title: Interpreted Lithological Long Section 3 in Northern Domain for LWs 33 to 35  
(refer to Figure 34a)

Scale: NTS

Figure No: 34d





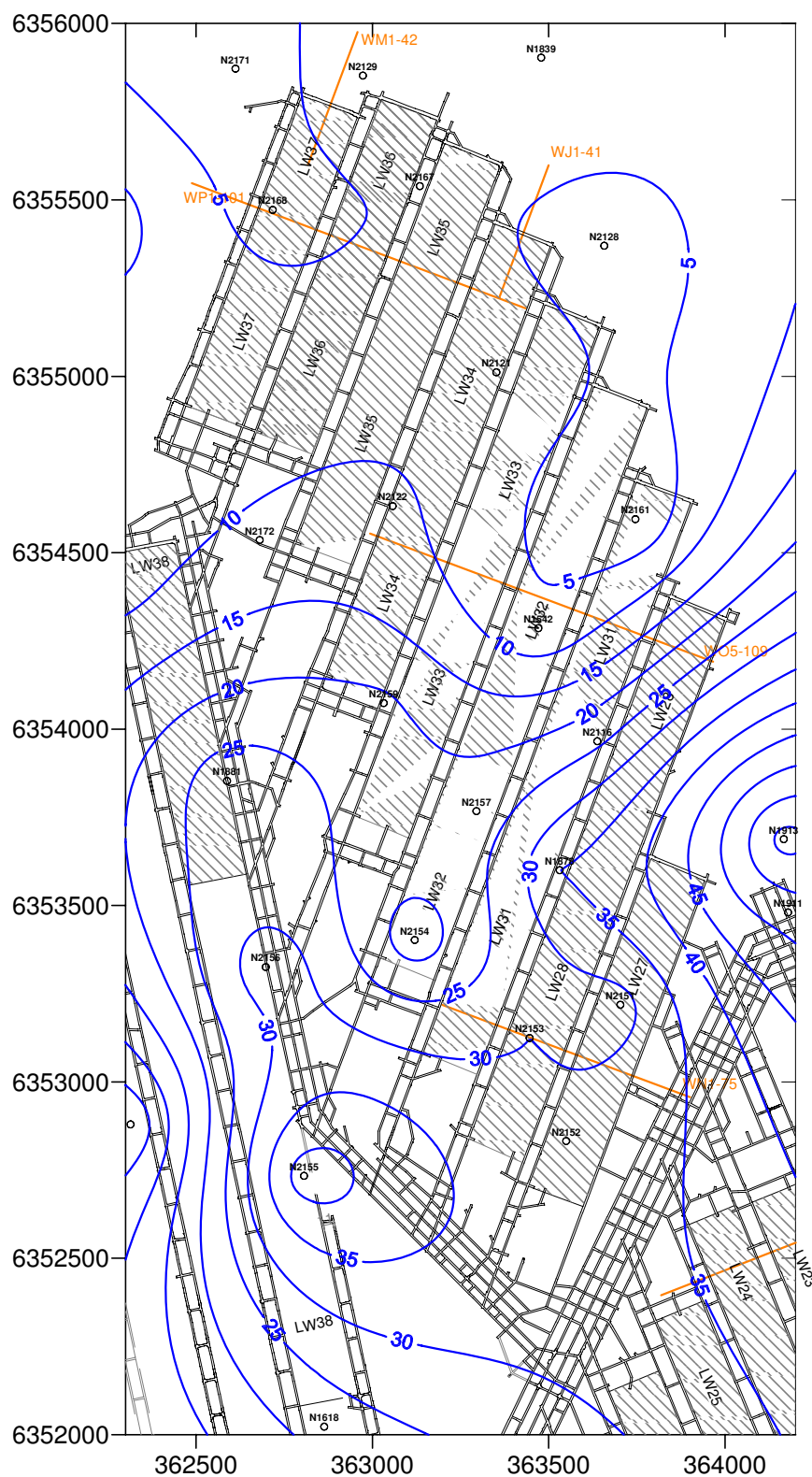
Engineer: S.Ditton  
 Drawn: S.Ditton  
 Date: 15.01.2010  
 Ditton Geotechnical  
 Services Pty Ltd

Client: West Wallsend Colliery  
 WWD-012/1

Title: Interpreted Lithological Long Section 4 in Northern Domain for LWs 36 to 37  
 (refer to Figure 34a)

Scale: NTS

Figure No: 34e



Key:



Extracted Longwalls



Survey Lines



Unit Thickness Contours (m)

DgS

Engineer: S.Ditton

Drawn: S.Ditton

Date: 15.01.10

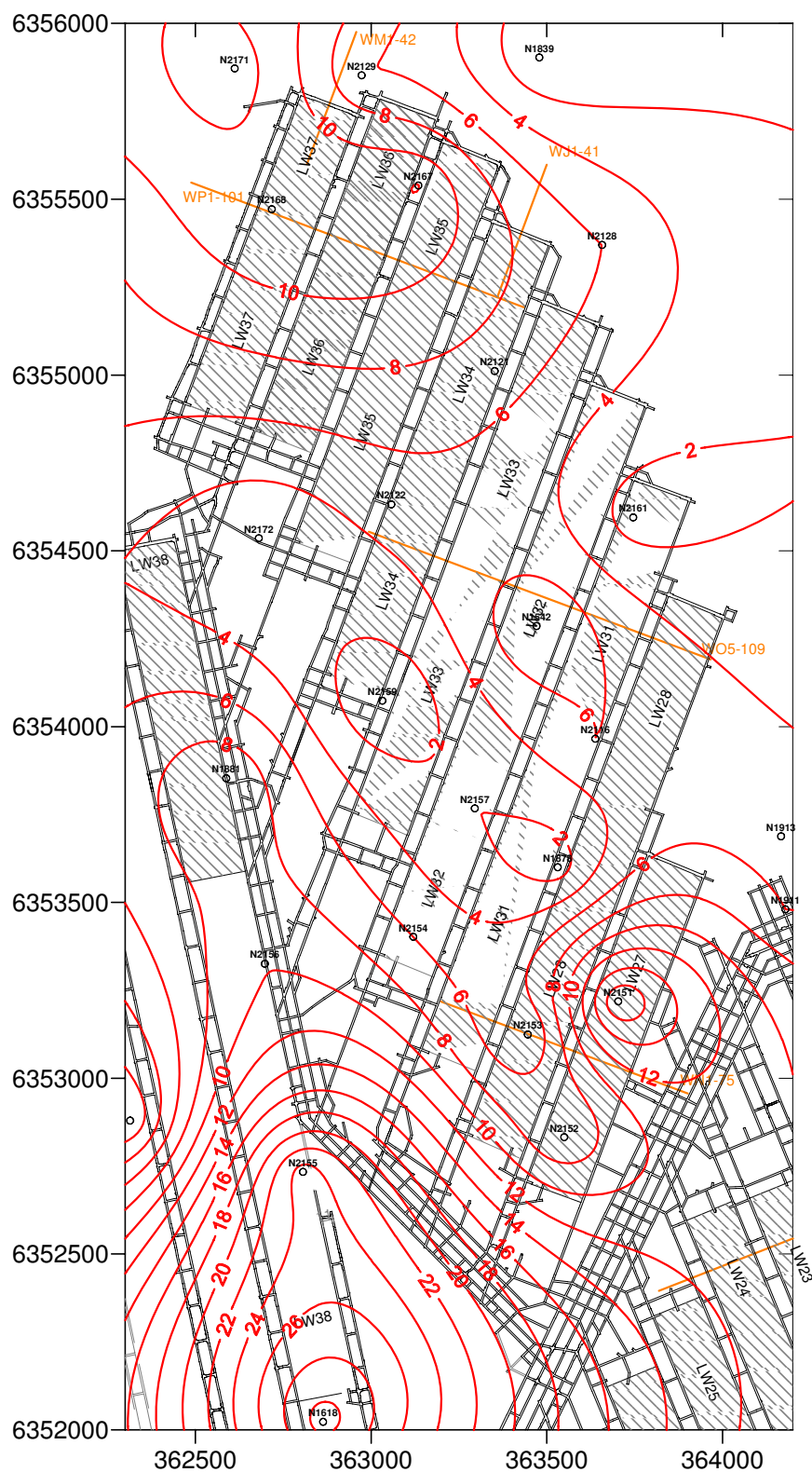
Ditton Geotechnical  
Services Pty Ltd

Client: West Wallsend Colliery  
WWD-012/1

Title: Revised Unit 1 Channel Thickness Contours Above the Northern  
Domain Longwalls (LW27, 28 and 31 to 37)

Scale: 1:20,000

Figure No: 34f



Key:



Extracted Longwalls



Survey Lines



Unit Distance above Workings Contours (m)

**DgS**



Engineer: S.Ditton

Drawn: S.Ditton

Date: 15.01.10

**Ditton Geotechnical  
Services Pty Ltd**

Client: **West Wallsend Colliery  
WWD-012/1**

Title: **Revised Unit 1 Channel Distance Above Workings Contours for the  
Northern Domain Longwalls (LW27, 28 and 31 to 37)**

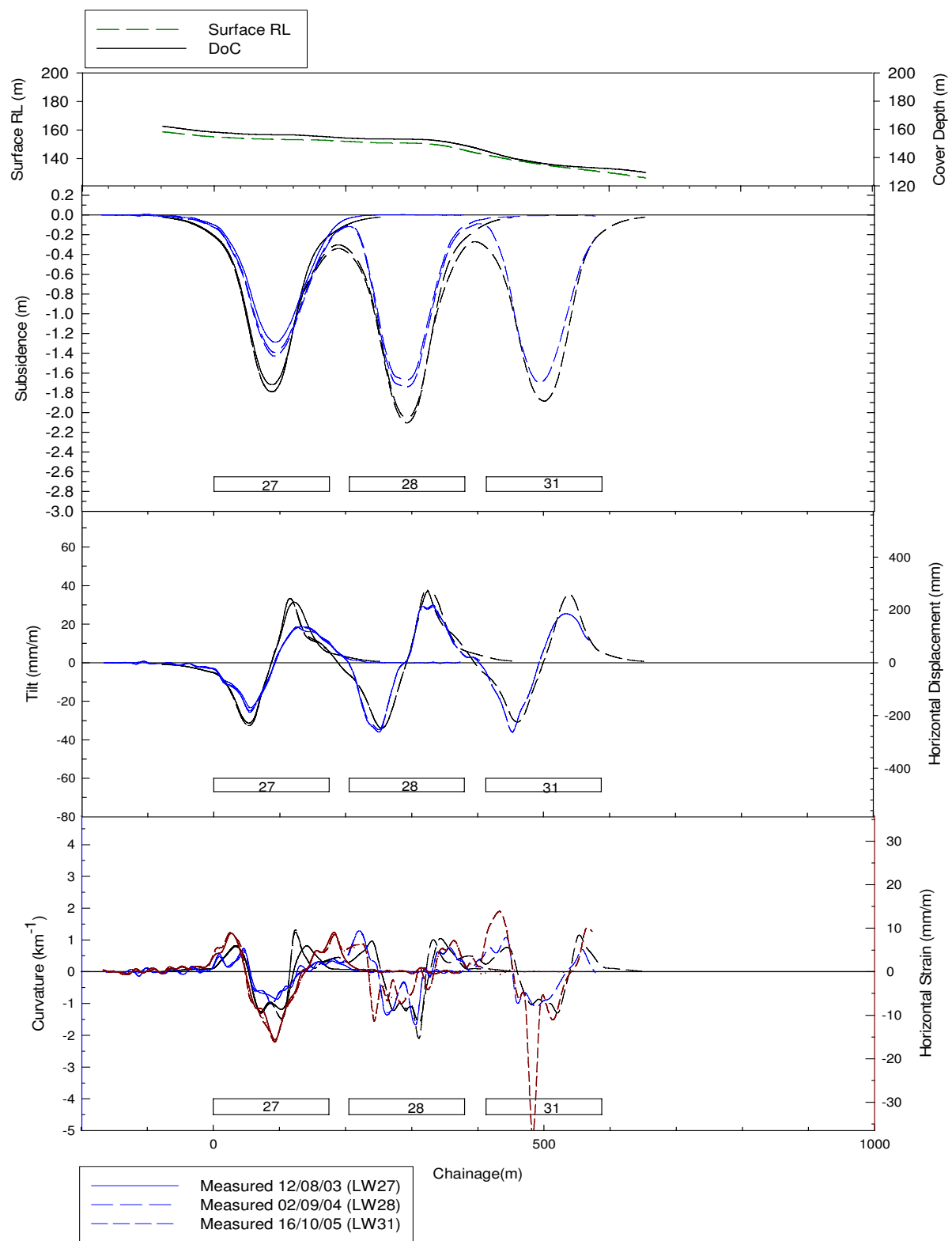
Scale: 1:20,000

Figure No: 34g









Note: Predictions based on U95%CL values



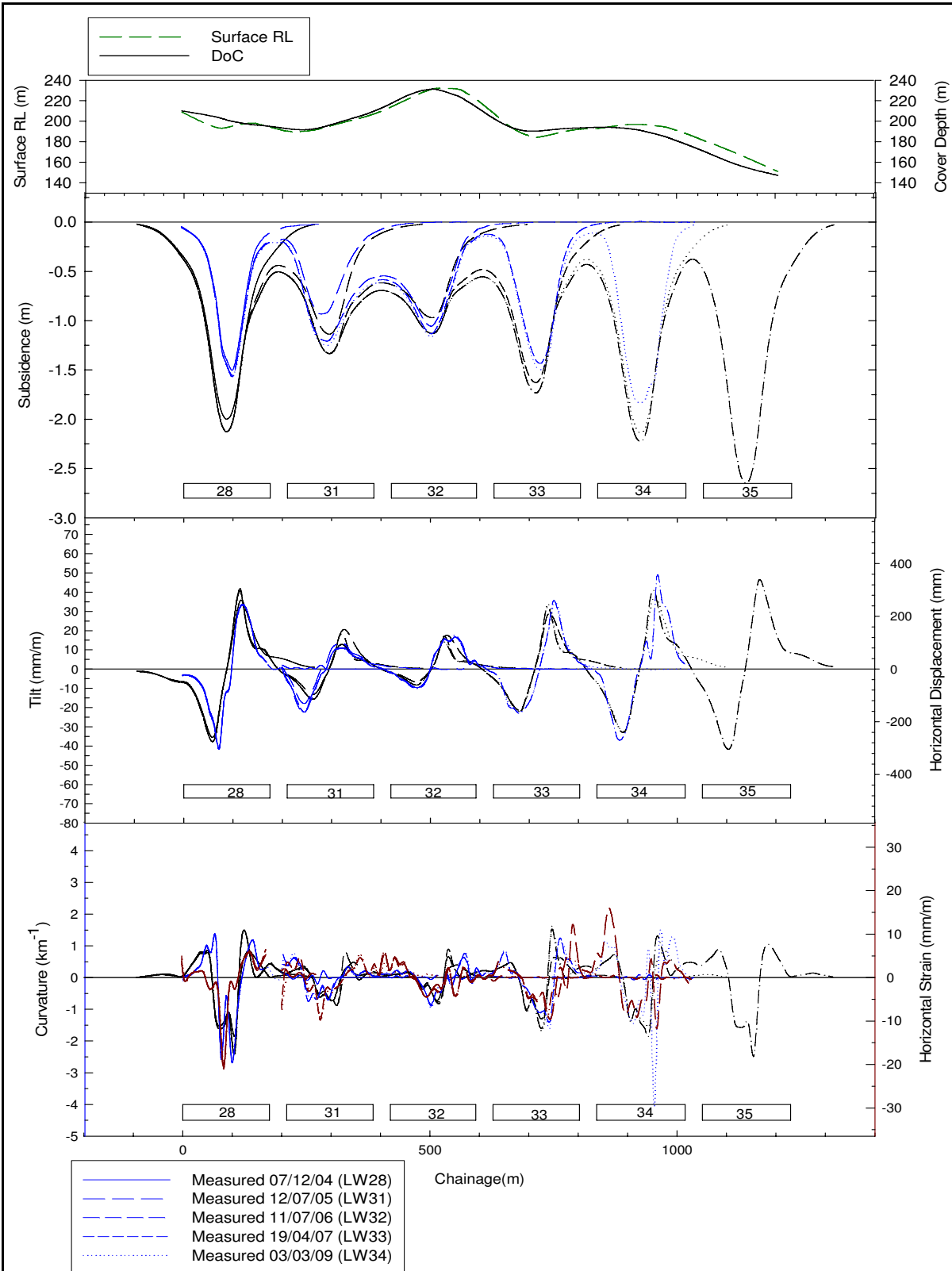
Engineer: S.Ditton  
Drawn: S.Ditton  
Date: 15.01.10  
Ditton Geotechnical  
Services Pty Ltd

Client: West Wallsend Colliery  
WWD-012/1

Title: Predicted v. Measured Values for LWs 27 to 31  
XLN 1-75 in Northern Domain (see Fig. 34a)

Scale: NTS

Figure No: 34j



Note: Predictions based on U95%CL values



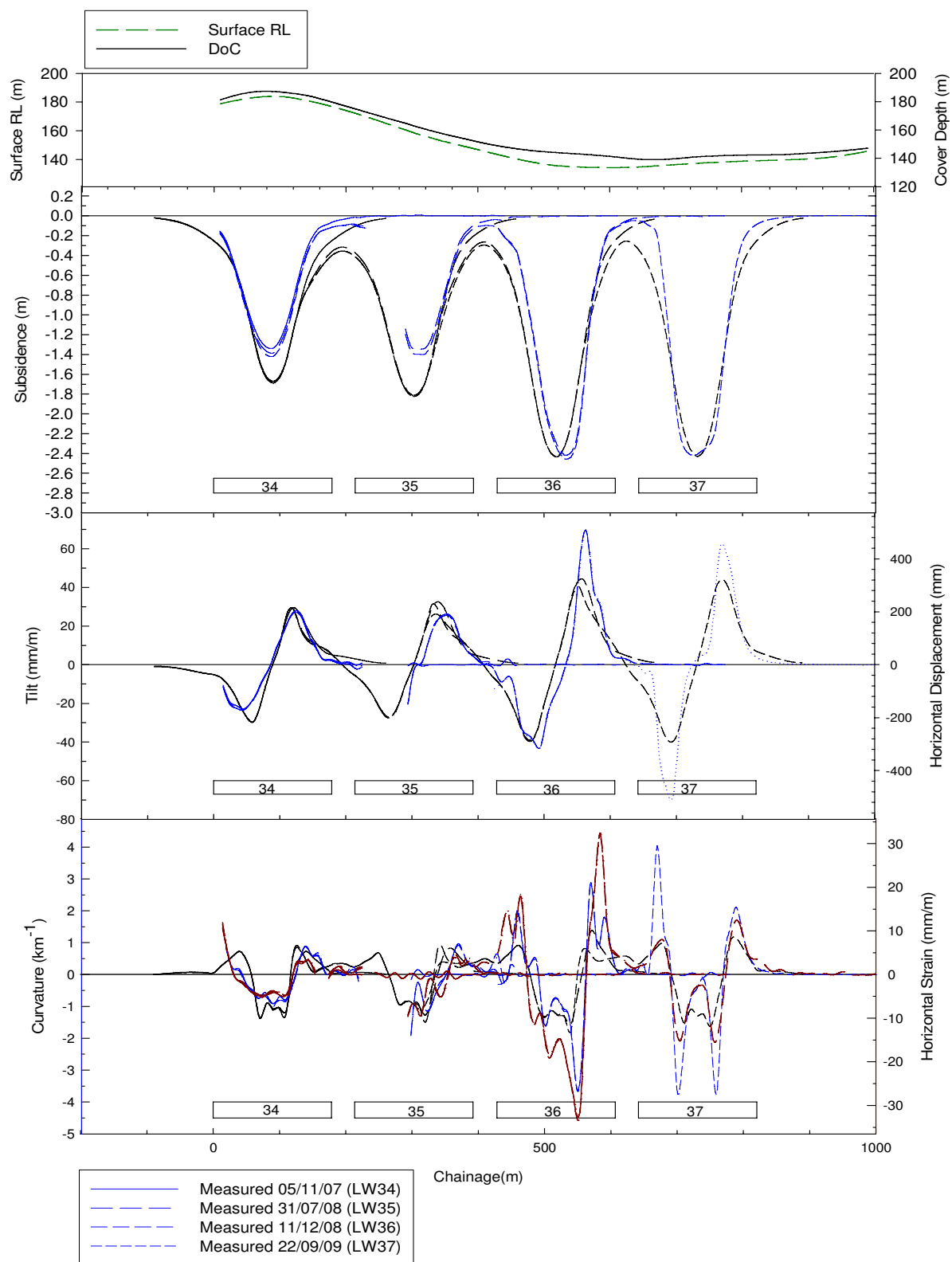
Engineer: S.Ditton  
 Drawn: S.Ditton  
 Date: 15.01.10  
 Ditton Geotechnical  
 Services Pty Ltd

Client: West Wallsend Colliery  
 WWD-012/1

Title: Predicted v. Measured Values for LWs 28 to 34  
 XLO 5-125 in Northern Domain (see Fig. 34a)

Scale: NTS

Figure No: 34k



Note: Predictions based on U95%CL values



Engineer: S.Ditton  
 Drawn: S.Ditton  
 Date: 15.01.10  
 Ditton Geotechnical  
 Services Pty Ltd

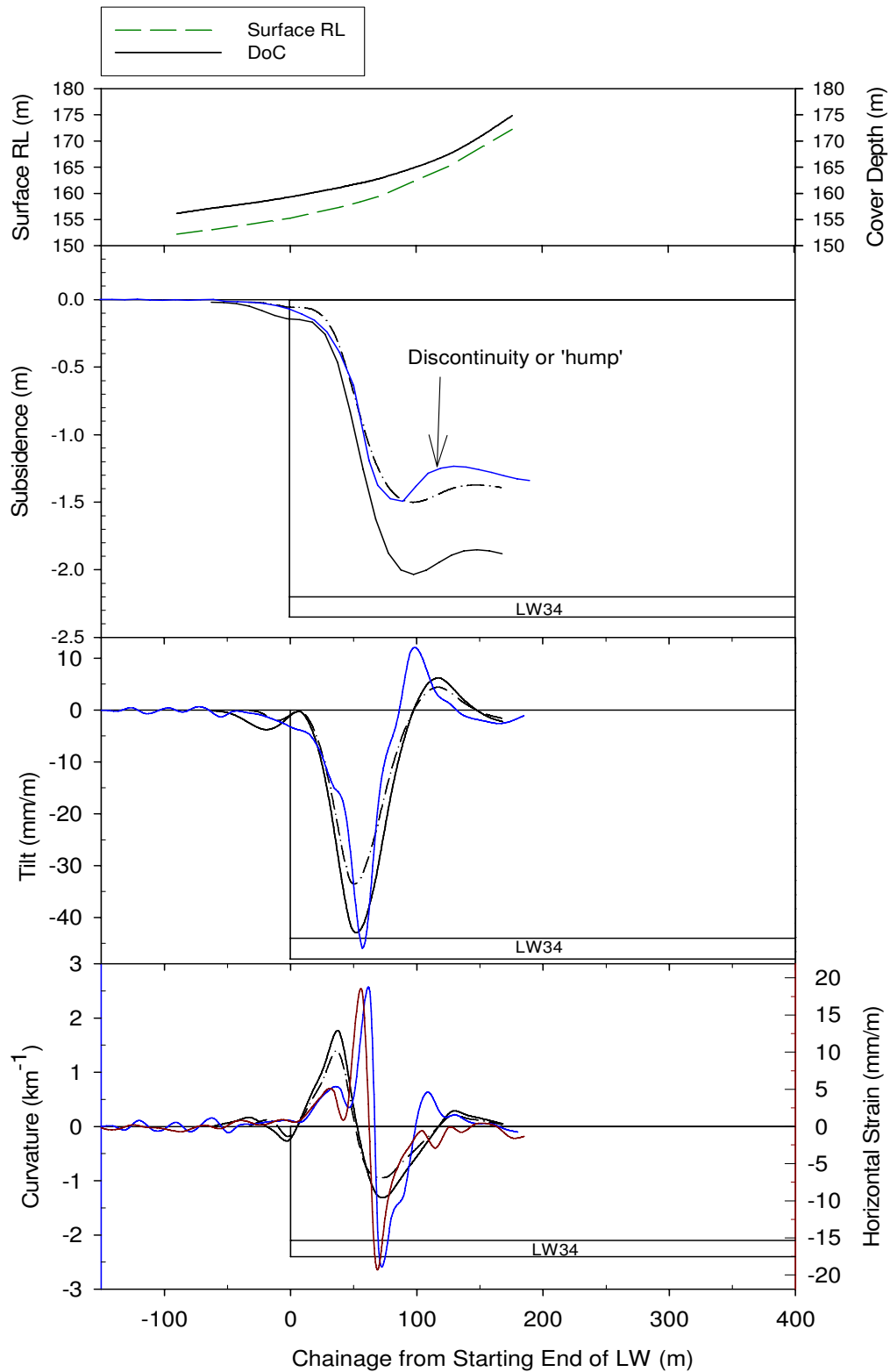
Client: West Wallsend Colliery  
 WWD-012/1

Title: Predicted v. Measured Values for LWs 34 to 37  
 XLP 1-101 in Northern Domain (see Fig. 34a)

Scale: NTS

Figure No: 34I





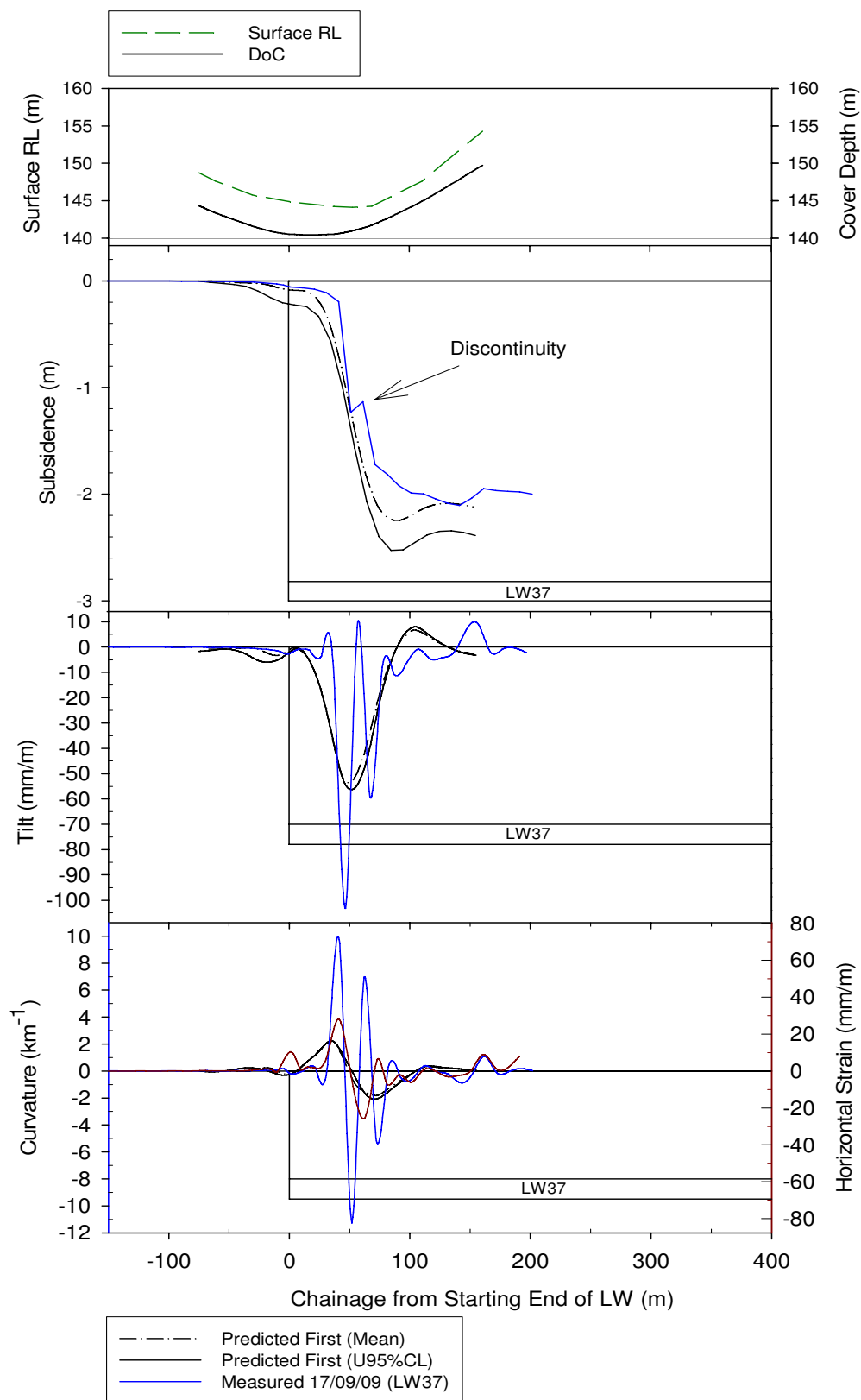
Note: Predictions based on U95%CL values from modified ACARP,2003 Model



Engineer: S.Ditton  
 Drawn: S.Ditton  
 Date: 15.01.10  
 Ditton Geotechnical  
 Services Pty Ltd

Client: West Wallsend Colliery  
 WWD-012/1  
 Title: Predicted v. Measured Values for LW 34  
 CL WJ1-40 in Northern Domain (see Fig. 34a)  
 Scale: NTS

Figure No: 34m



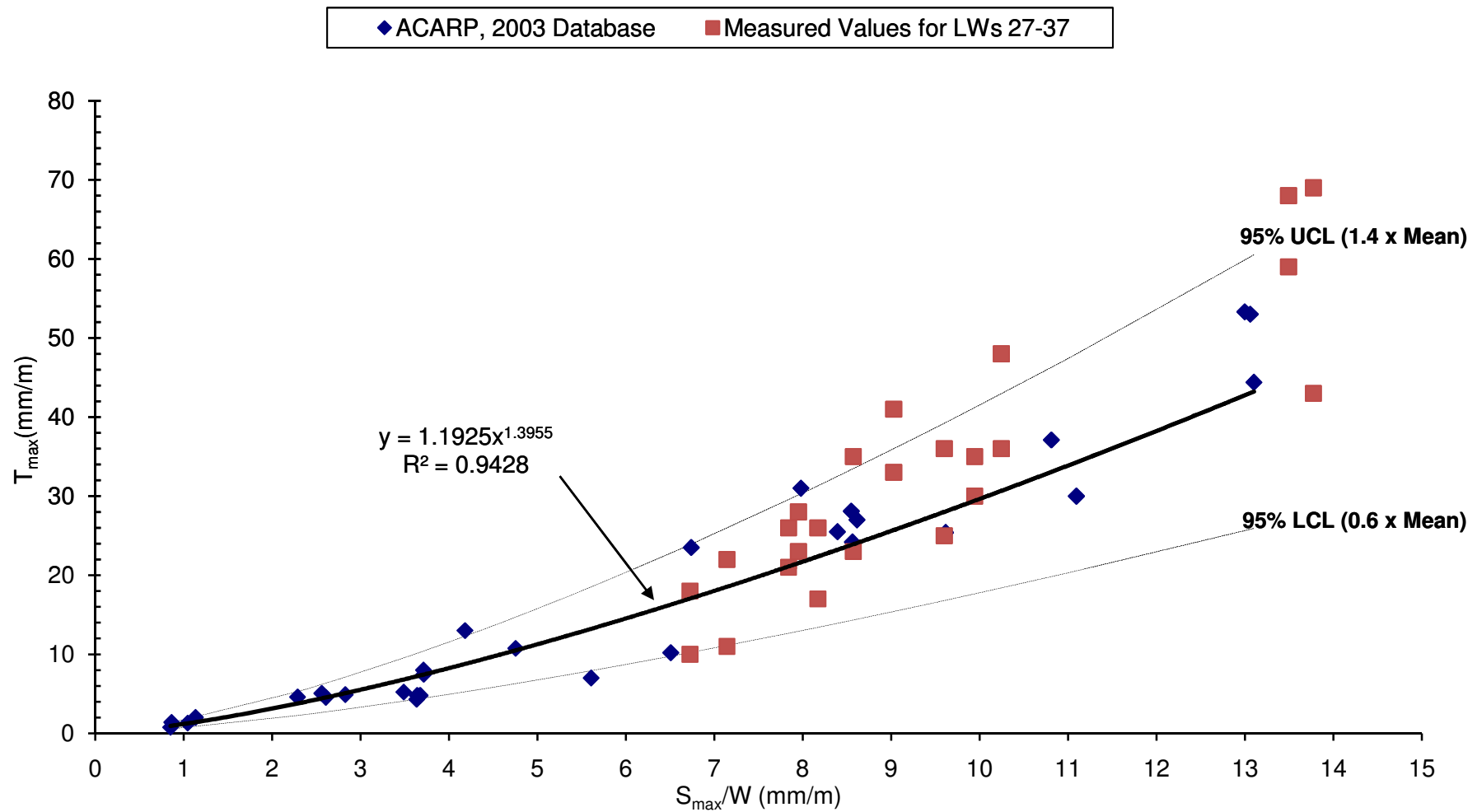
Note: Predictions based on U95%CL values from modified ACARP,2003 Model



Engineer: S.Ditton  
 Drawn: S.Ditton  
 Date: 15.01.10  
 Ditton Geotechnical  
 Services Pty Ltd

Client: West Wallsend Colliery  
 WWD-012/1  
 Title: Predicted v. Measured Values for LW 37  
 CL WM1-40 in Northern Domain (see Fig. 34a)  
 Scale: NTS

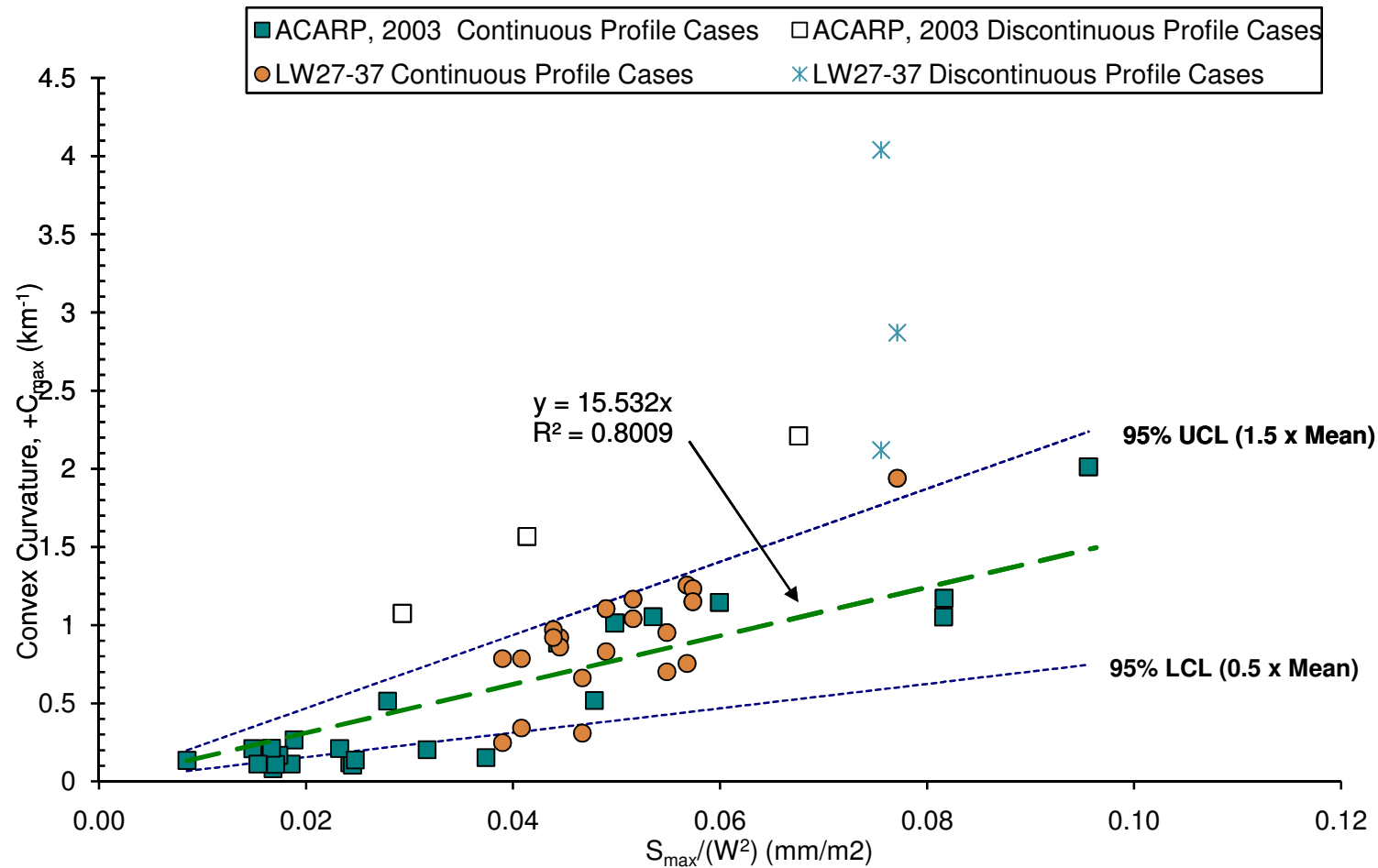
Figure No: 34n



Engineer: S.Ditton  
 Drawn: S.Ditton  
 Date: 15.01.10  
 Ditton Geotechnical  
 Services Pty Ltd

Client: West Wallsend Colliery  
 WWD-012/1  
 Title: ACARP, 2003 Database of Maximum Tilts with Measured Values for the  
 Northern Domain Longwalls  
 Scale: NTS

Figure No: 34o



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 15.01.10

Ditton Geotechnical

Services Pty Ltd

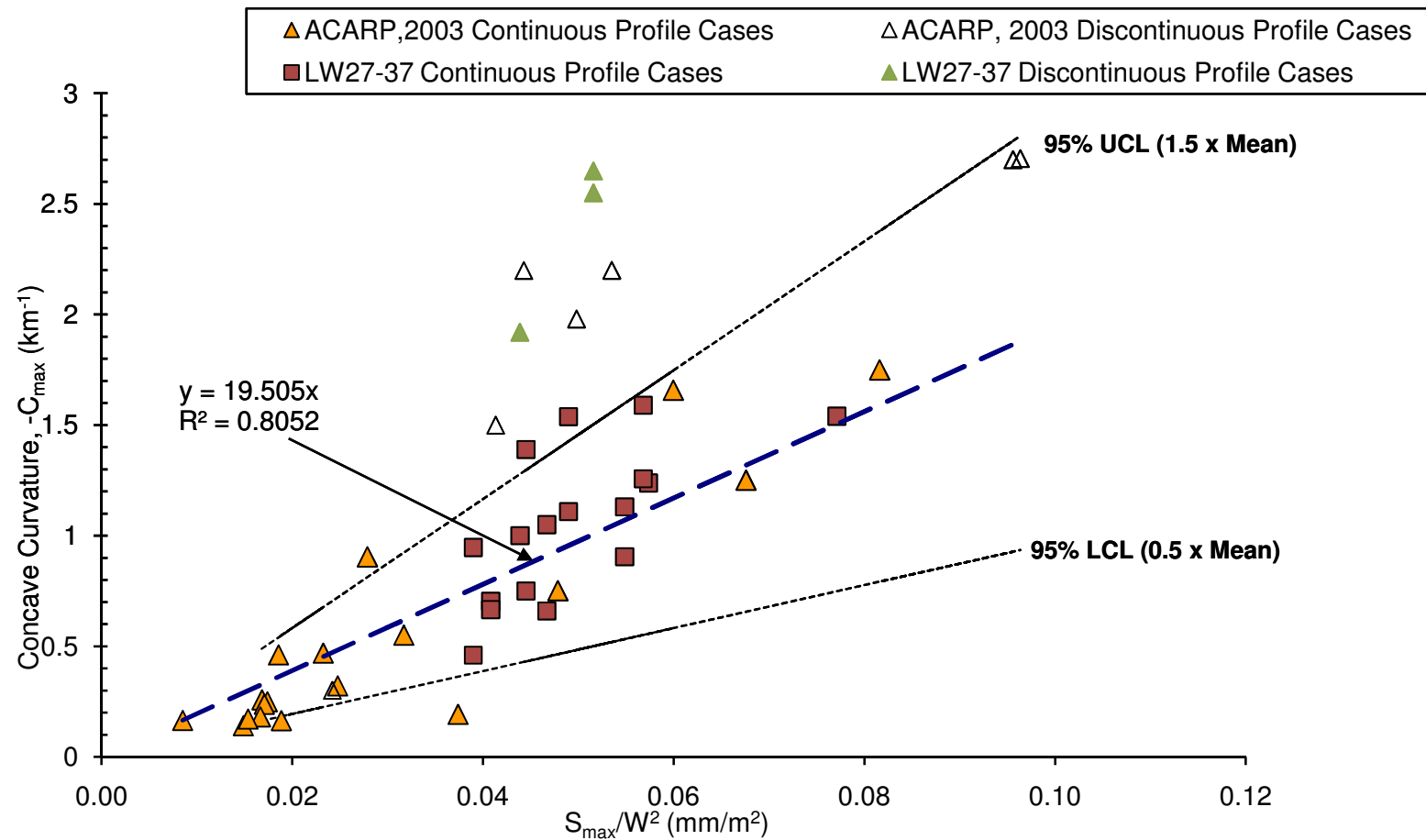
Client: West Wallsend Colliery

WWD-012/1

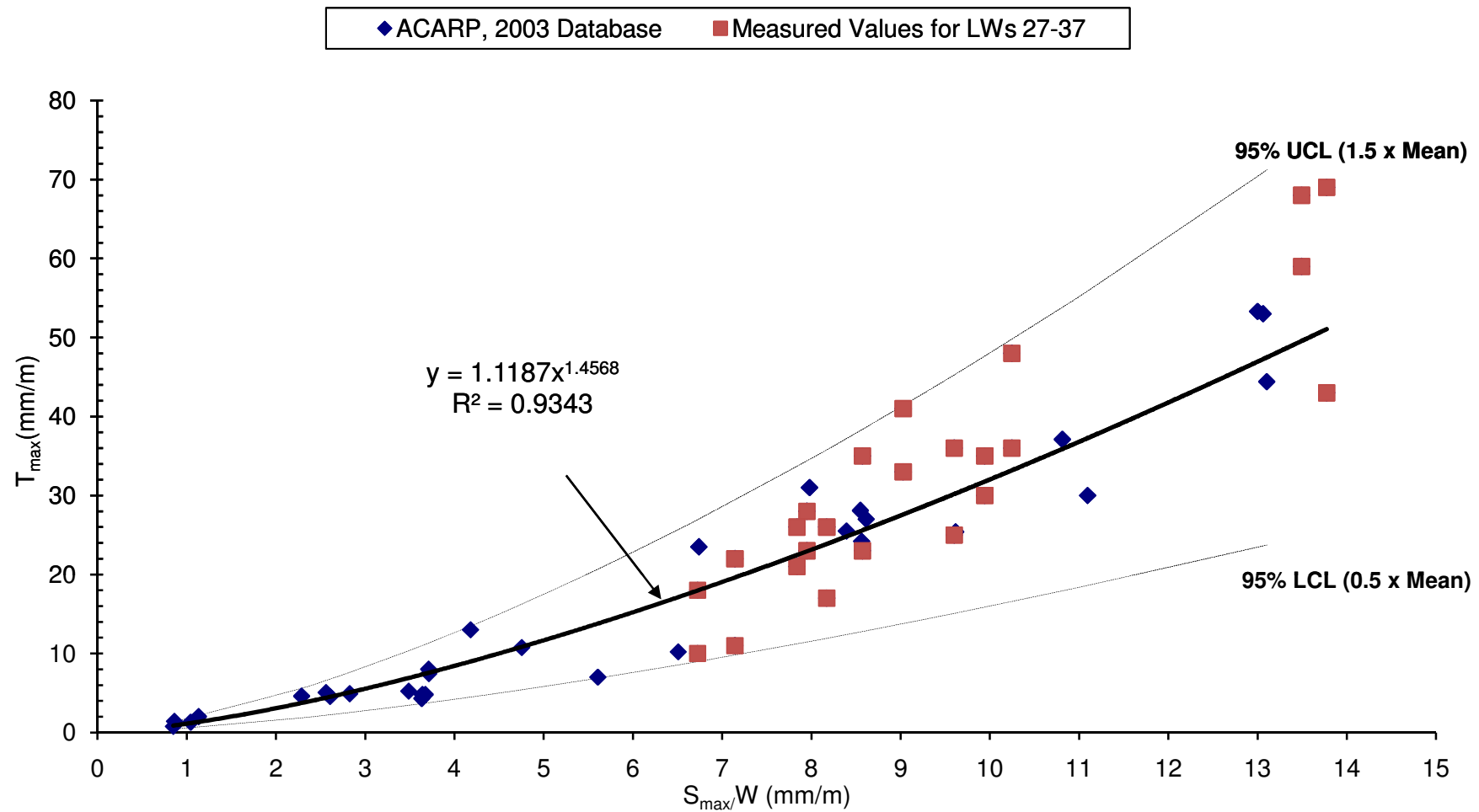
Title: Adjusted ACARP,2003 Regression Curves of Maximum Convex Curvatures with Measured Values for the Northern Domain Longwalls

Scale: NTS

Figure No: 34p



|                                                                                     |                     |          |         |                                                                          |  |                |
|-------------------------------------------------------------------------------------|---------------------|----------|---------|--------------------------------------------------------------------------|--|----------------|
|  | Engineer:           | S.Ditton | Client: | West Wallsend Colliery                                                   |  |                |
|                                                                                     | Drawn:              | S.Ditton |         | WWD-012/1                                                                |  |                |
|                                                                                     | Date:               | 15.01.10 | Title:  | Adjusted ACARP,2003 Regression Curves of Maximum Concave Curvatures with |  |                |
|                                                                                     | Ditton Geotechnical |          |         | Measured Values for the Northern Domain Longwalls                        |  |                |
|                                                                                     | Services Pty Ltd    |          | Scale:  | NTS                                                                      |  | Figure No: 34q |



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 15.01.10

Ditton Geotechnical

Services Pty Ltd

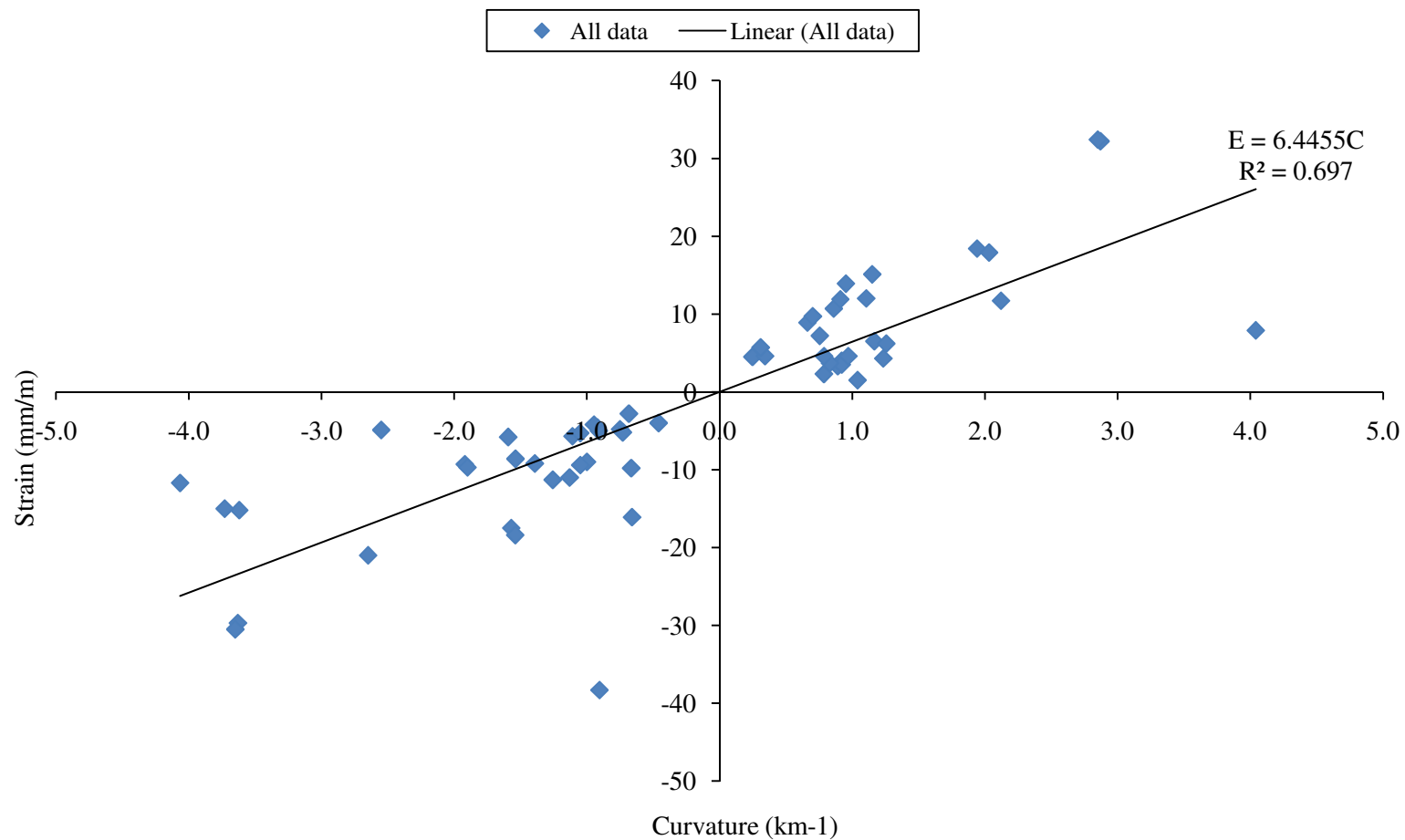
Client: West Wallsend Colliery

WWD-012/1

Title: Adjusted ACARP, 2003 Regression Curves of Maximum Tilts with Measured Values for the Northern Domain Longwalls

Scale: NTS

Figure No: 34r



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 15.01.10

Ditton Geotechnical  
Services Pty Ltd

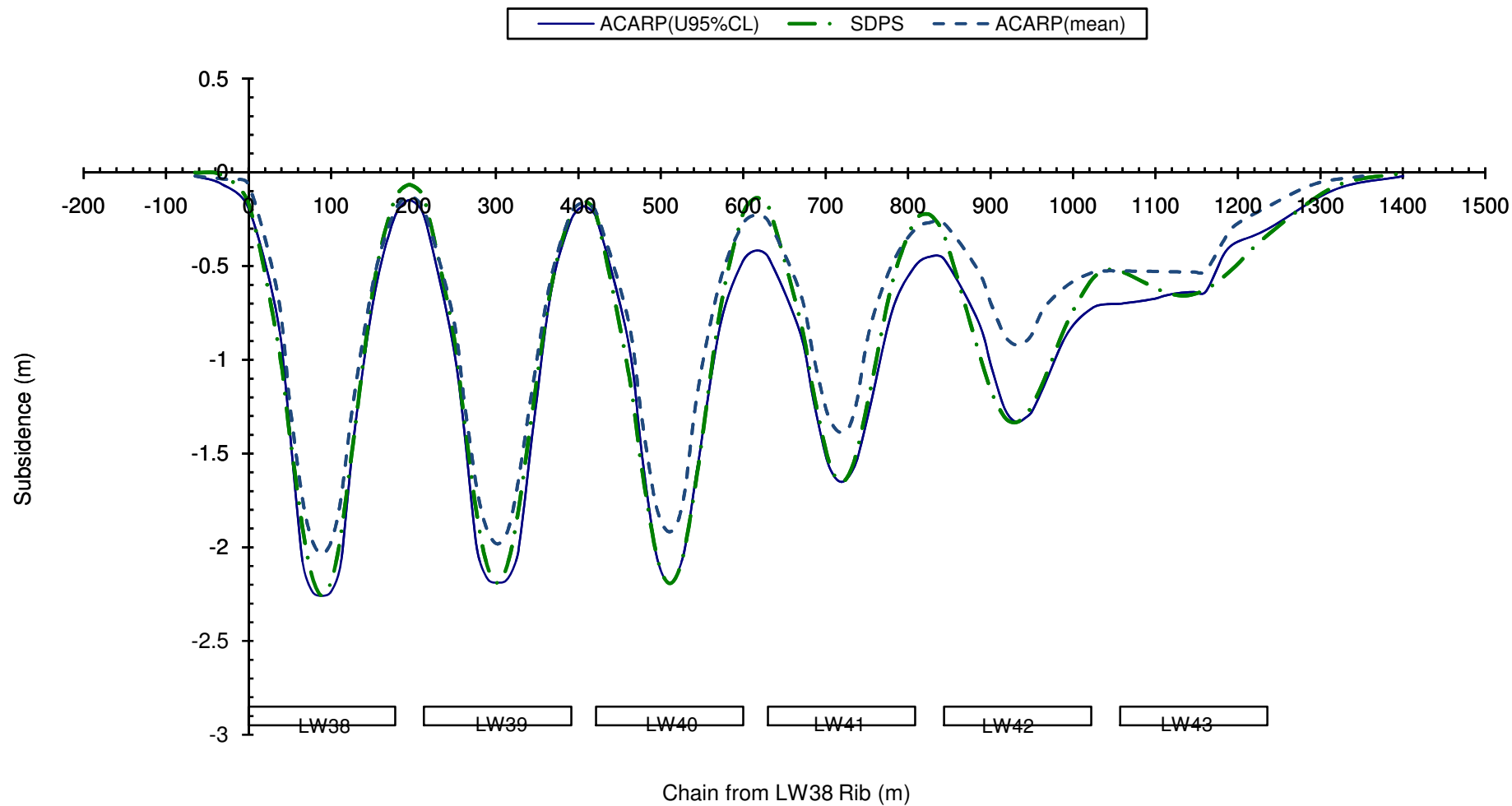
Client: West Wallsend Colliery

WWD-012/1

Title: Database of Maximum Curvature v. Strains for Northern Domain Longwalls

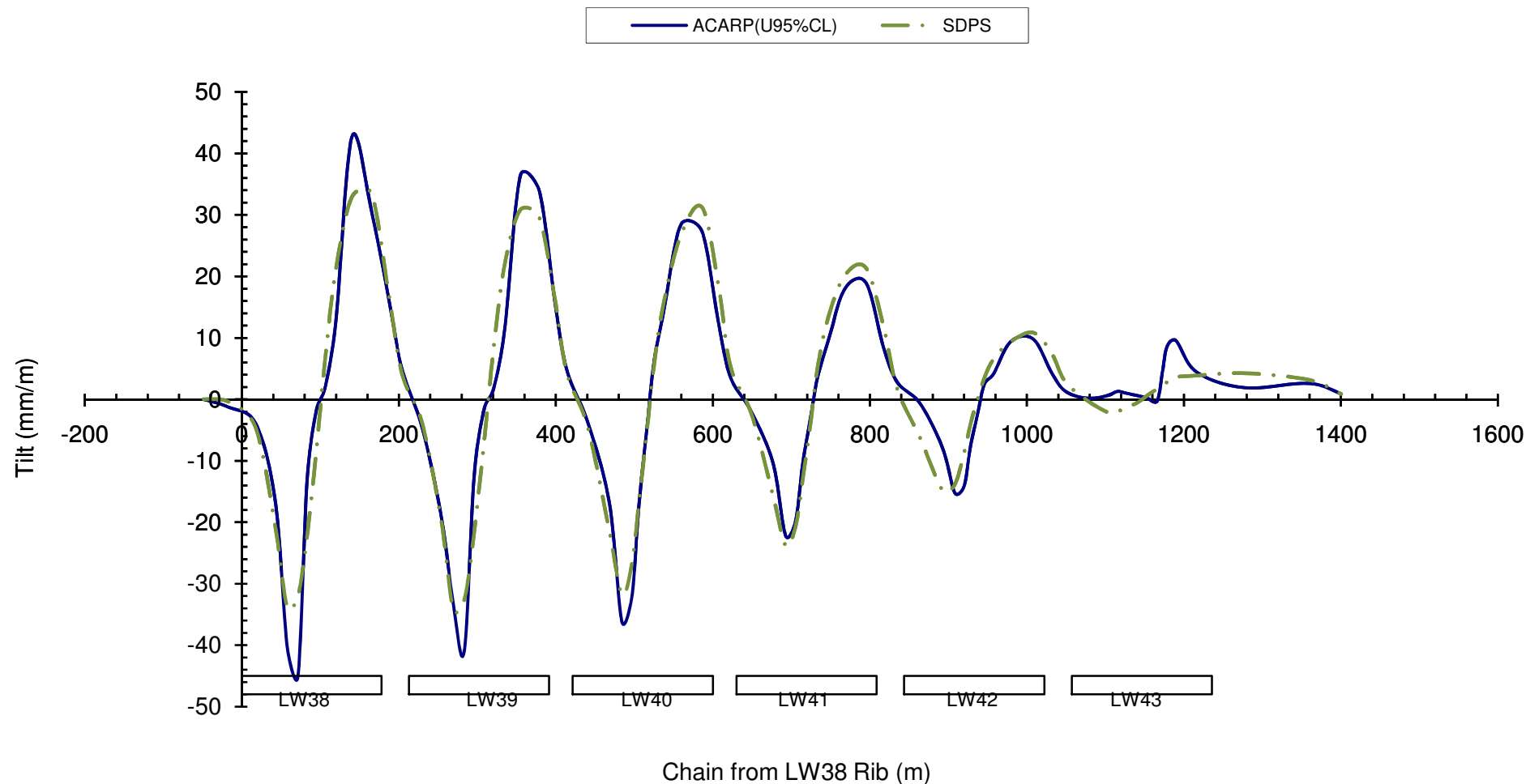
Scale: NTS

Figure No: 34s



|                                                                                     |                     |          |         |  |  |                                                                            |  |            |
|-------------------------------------------------------------------------------------|---------------------|----------|---------|--|--|----------------------------------------------------------------------------|--|------------|
|  | Engineer:           | S.Ditton | Client: |  |  | West Wallsend Colliery                                                     |  |            |
|                                                                                     | Drawn:              | S.Ditton |         |  |  | WWD-012/1                                                                  |  |            |
|                                                                                     | Date:               | 30.06.09 | Title:  |  |  | SPDS Calibrated Model v. Modified ACARP, 2003 Model Subsidence Predictions |  |            |
|                                                                                     | Ditton Geotechnical |          |         |  |  | Along XL 3                                                                 |  |            |
|                                                                                     | Services Pty Ltd    |          | Scale:  |  |  | NTS                                                                        |  | Figure No: |





DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 02.12.08

Ditton Geotechnical  
Services Pty Ltd

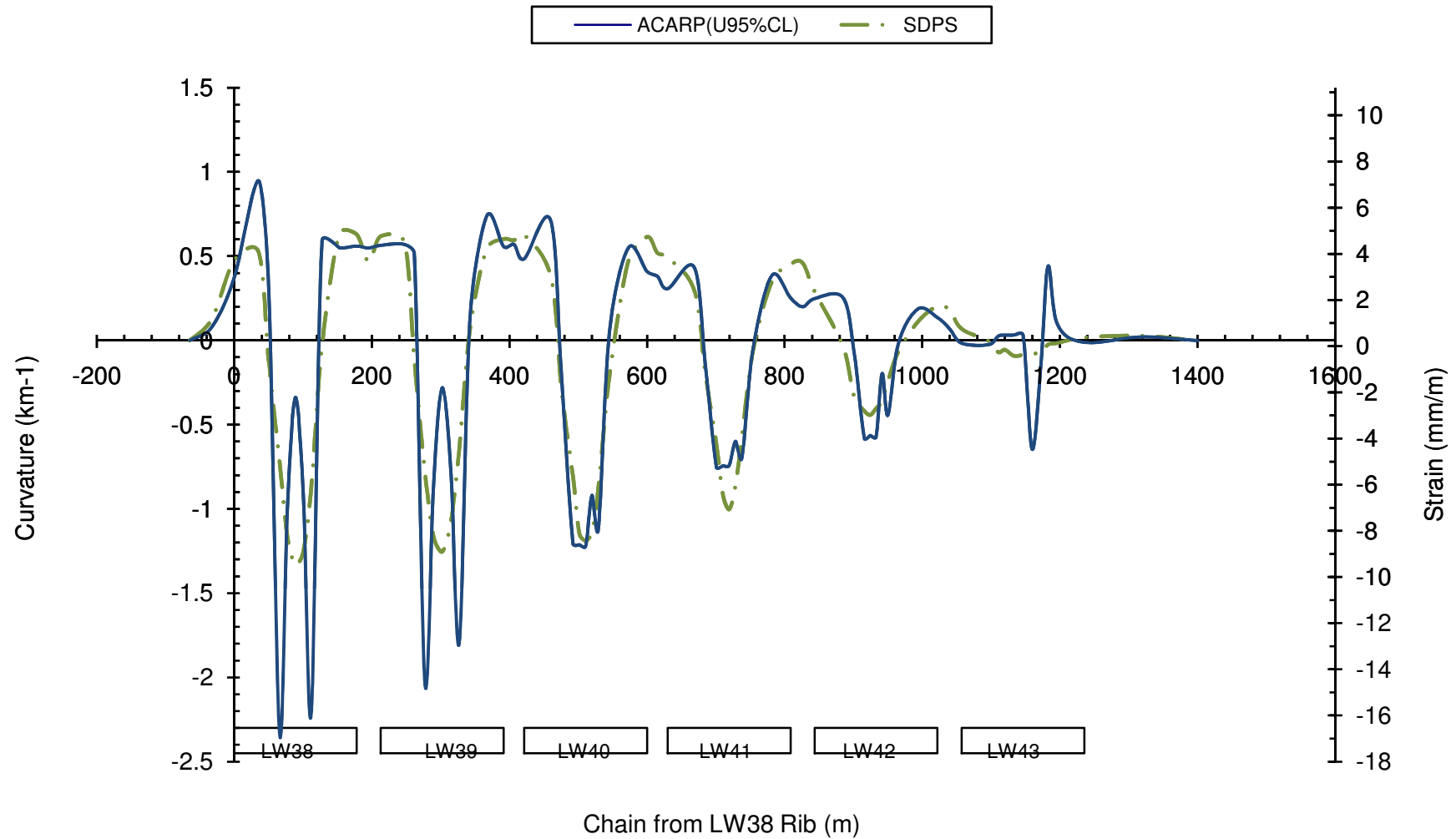
Client: West Wallsend Colliery

WWD-012/1

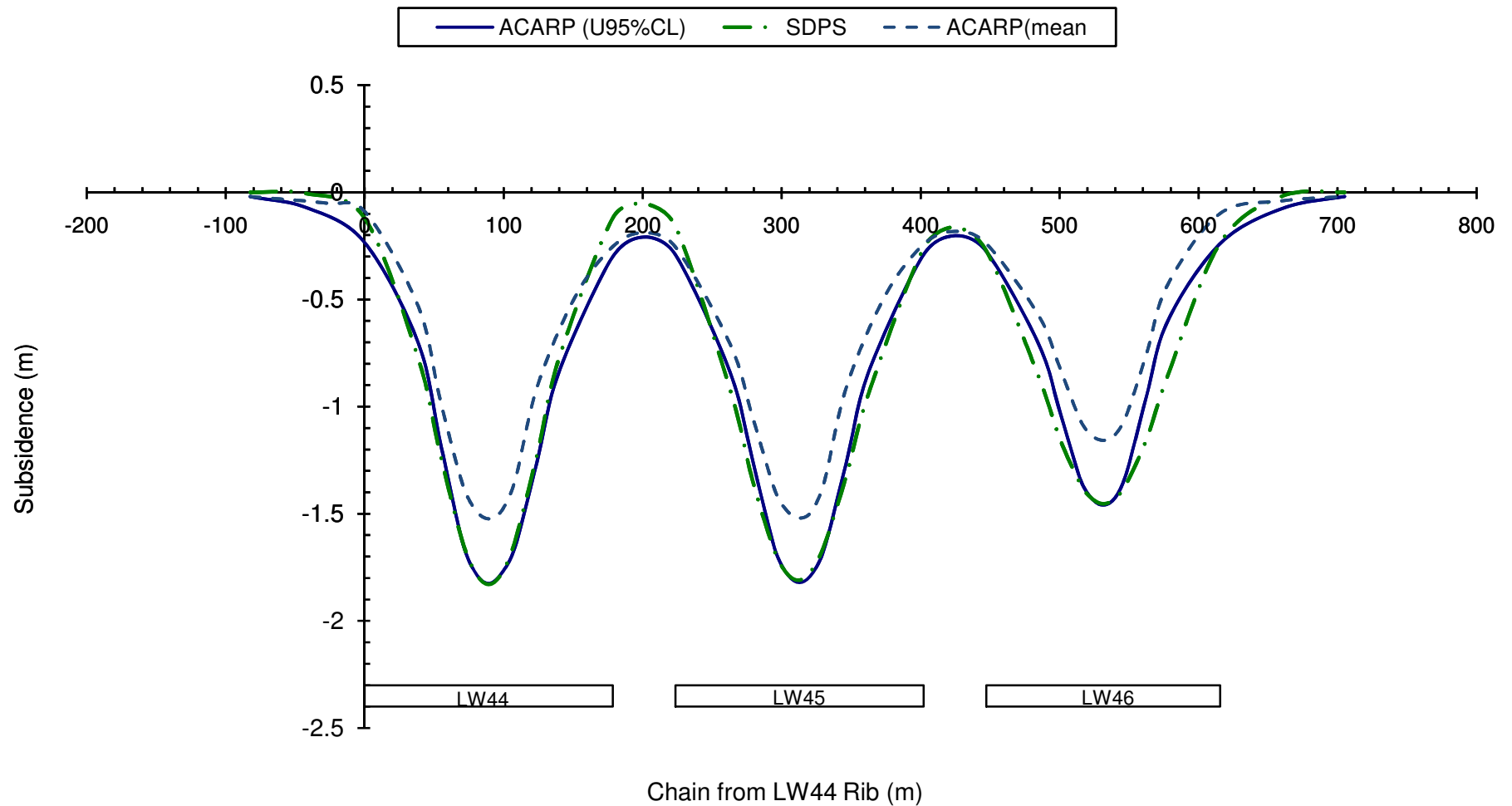
Title: SPDS Calibrated Model v. Modified ACARP, 2003 Model Tilt Predictions Along XL 3

Scale: NTS

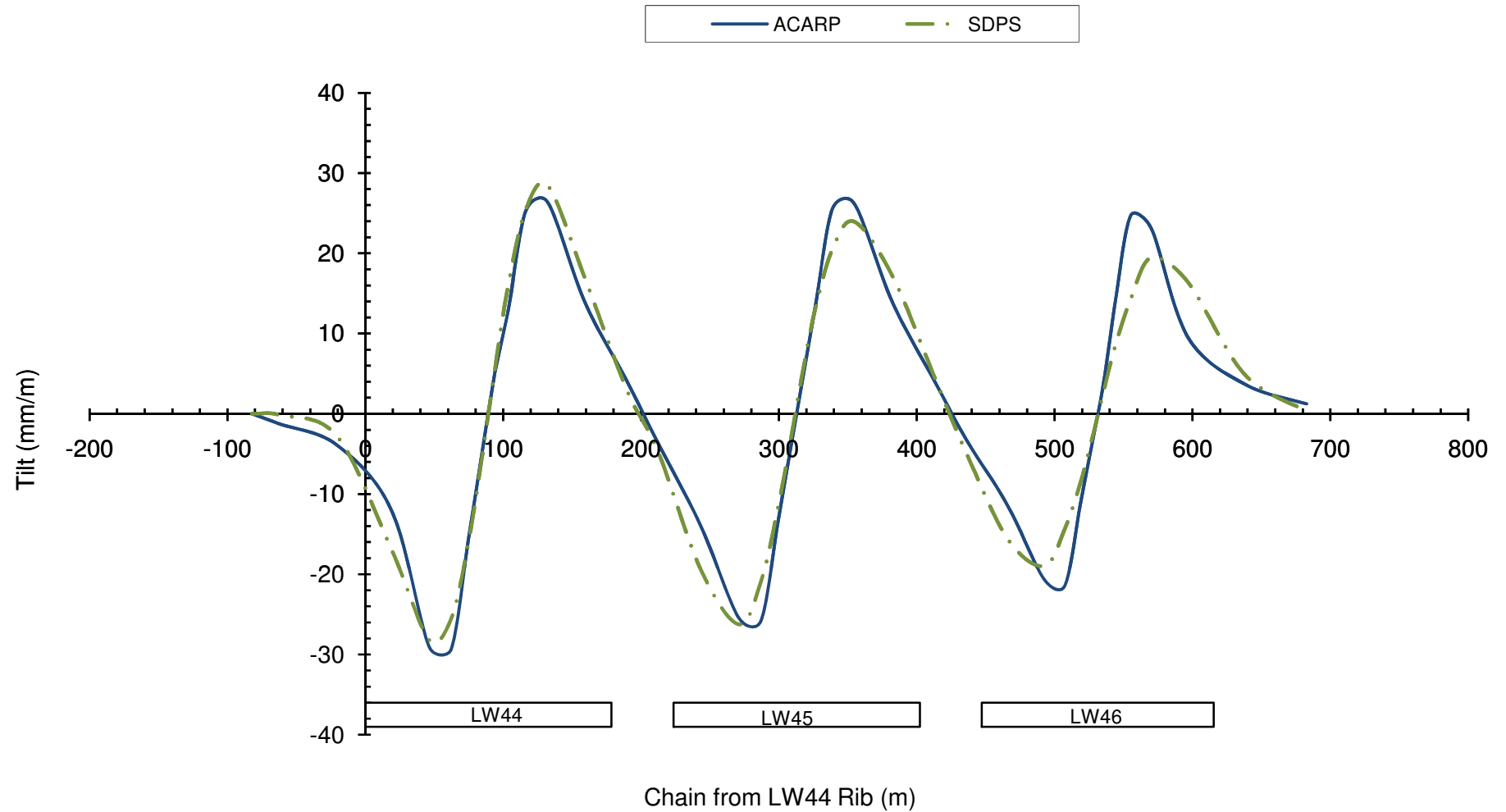
Figure No: 35b



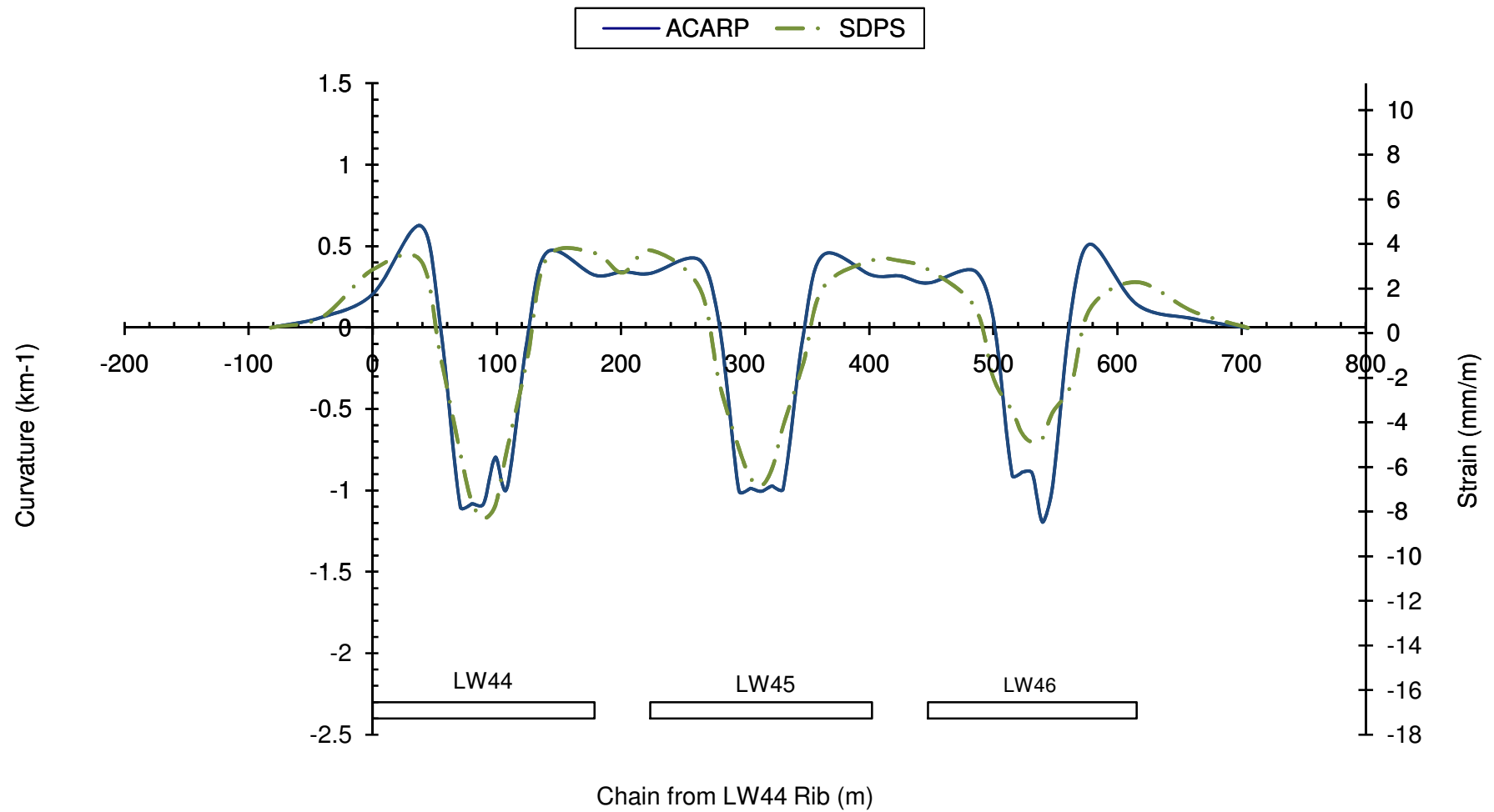
|                                                                                     |                     |          |         |                                                                                     |  |            |     |
|-------------------------------------------------------------------------------------|---------------------|----------|---------|-------------------------------------------------------------------------------------|--|------------|-----|
|  | Engineer:           | S.Ditton | Client: | West Wallsend Colliery                                                              |  |            |     |
|                                                                                     | Drawn:              | S.Ditton |         | WWD-012/1                                                                           |  |            |     |
|                                                                                     | Date:               | 02.12.08 | Title:  | SPDS Calibrated Model v. Modified ACARP, 2003 Model Curvature Predictions Along XL3 |  |            |     |
|                                                                                     | Ditton Geotechnical |          |         |                                                                                     |  |            |     |
|                                                                                     | Services Pty Ltd    |          | Scale:  | NTS                                                                                 |  | Figure No: | 35c |



|                                                                                     |                     |          |         |                                                                            |  |            |     |
|-------------------------------------------------------------------------------------|---------------------|----------|---------|----------------------------------------------------------------------------|--|------------|-----|
|  | Engineer:           | S.Ditton | Client: | West Wallsend Colliery                                                     |  |            |     |
|                                                                                     | Drawn:              | S.Ditton |         | WWD-012/1                                                                  |  |            |     |
|                                                                                     | Date:               | 02.12.08 | Title:  | SPDS Calibrated Model v. Modified ACARP, 2003 Model Subsidence Predictions |  |            |     |
|                                                                                     | Ditton Geotechnical |          |         | Along XL 11                                                                |  |            |     |
|                                                                                     | Services Pty Ltd    |          | Scale:  | NTS                                                                        |  | Figure No: | 35d |



|                                                                                     |                     |          |         |                                                                                  |  |            |     |
|-------------------------------------------------------------------------------------|---------------------|----------|---------|----------------------------------------------------------------------------------|--|------------|-----|
|  | Engineer:           | S.Ditton | Client: | West Wallsend Colliery                                                           |  |            |     |
|                                                                                     | Drawn:              | S.Ditton |         | WWD-012/1                                                                        |  |            |     |
|                                                                                     | Date:               | 02.12.08 | Title:  | SPDS Calibrated Model v. Modified ACARP, 2003 Model Tilt Predictions Along XL 11 |  |            |     |
|                                                                                     | Ditton Geotechnical |          |         |                                                                                  |  |            |     |
|                                                                                     | Services Pty Ltd    |          | Scale:  | NTS                                                                              |  | Figure No: | 35e |



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 02.12.08

Ditton Geotechnical

Services Pty Ltd

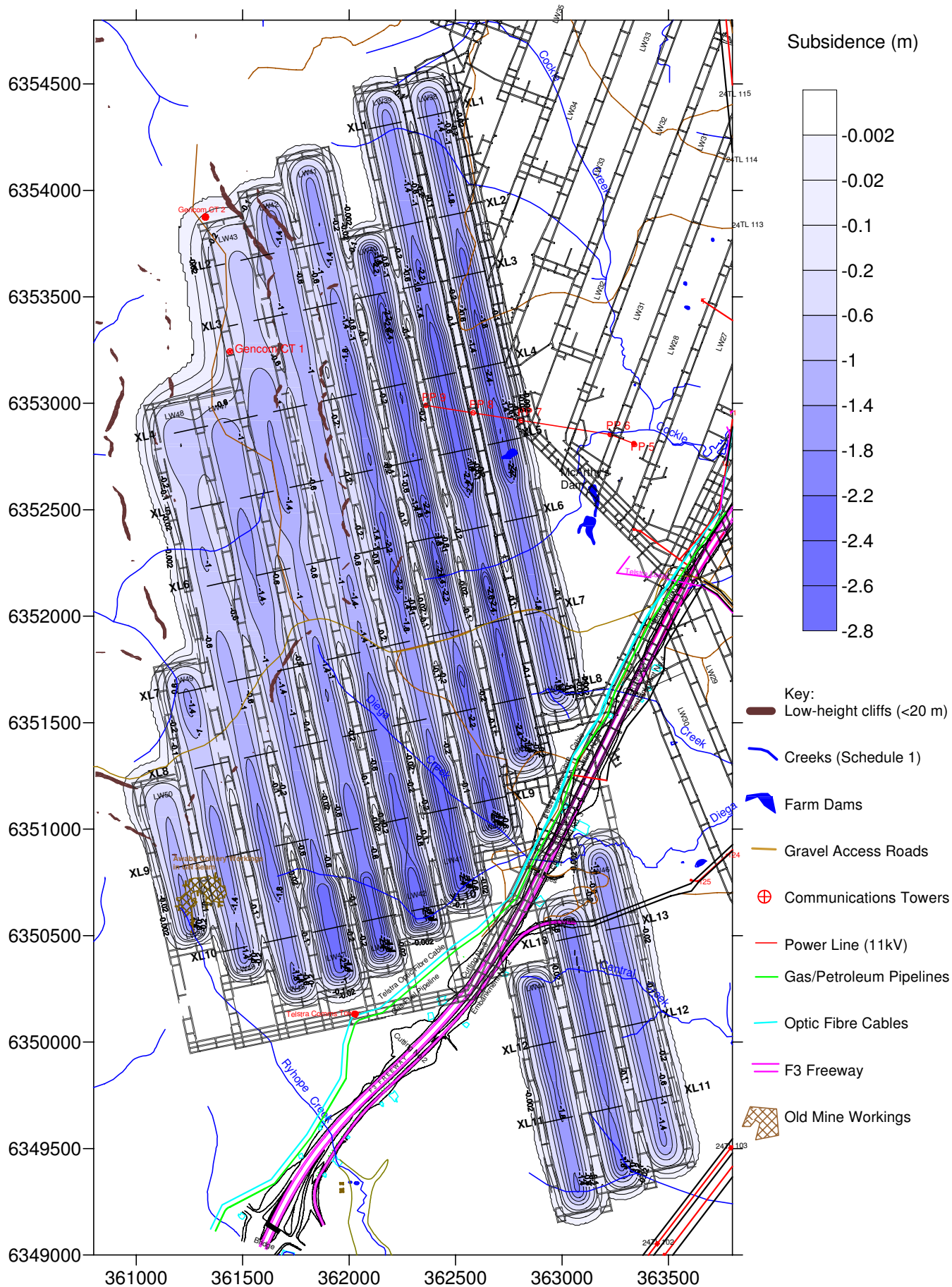
Client: West Wallsend Colliery

WWD-012/1

Title: SPDS Calibrated Model v. Modified ACARP, 2003 Model Curvature Predictions Along XL11

Scale: NTS

Figure No: 35f



**DgS**

Engineer: S.Ditton  
 Drawn: S.Ditton  
 Date: 30.06.09

**Ditton Geotechnical  
 Services Pty Ltd**

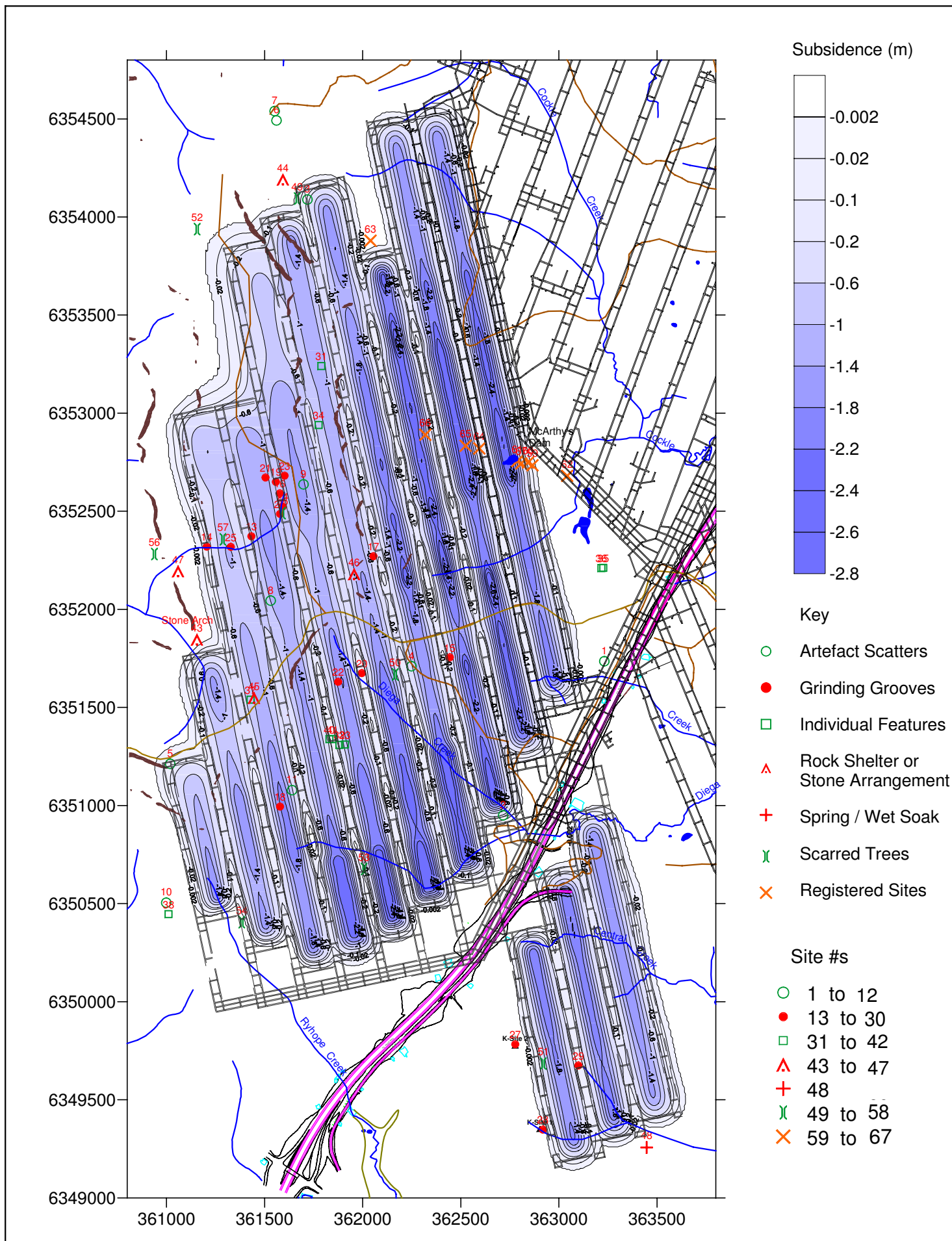
Client: **West Wallsend Colliery  
 WWD-012/1**

Title: **Predicted Worst-Case Subsidence Contours for Proposed Longwall  
 Layout in Western and Southern Domains with Man Made  
 Surface Features Shown**

Scale: 1:25,000

Figure No: 36a



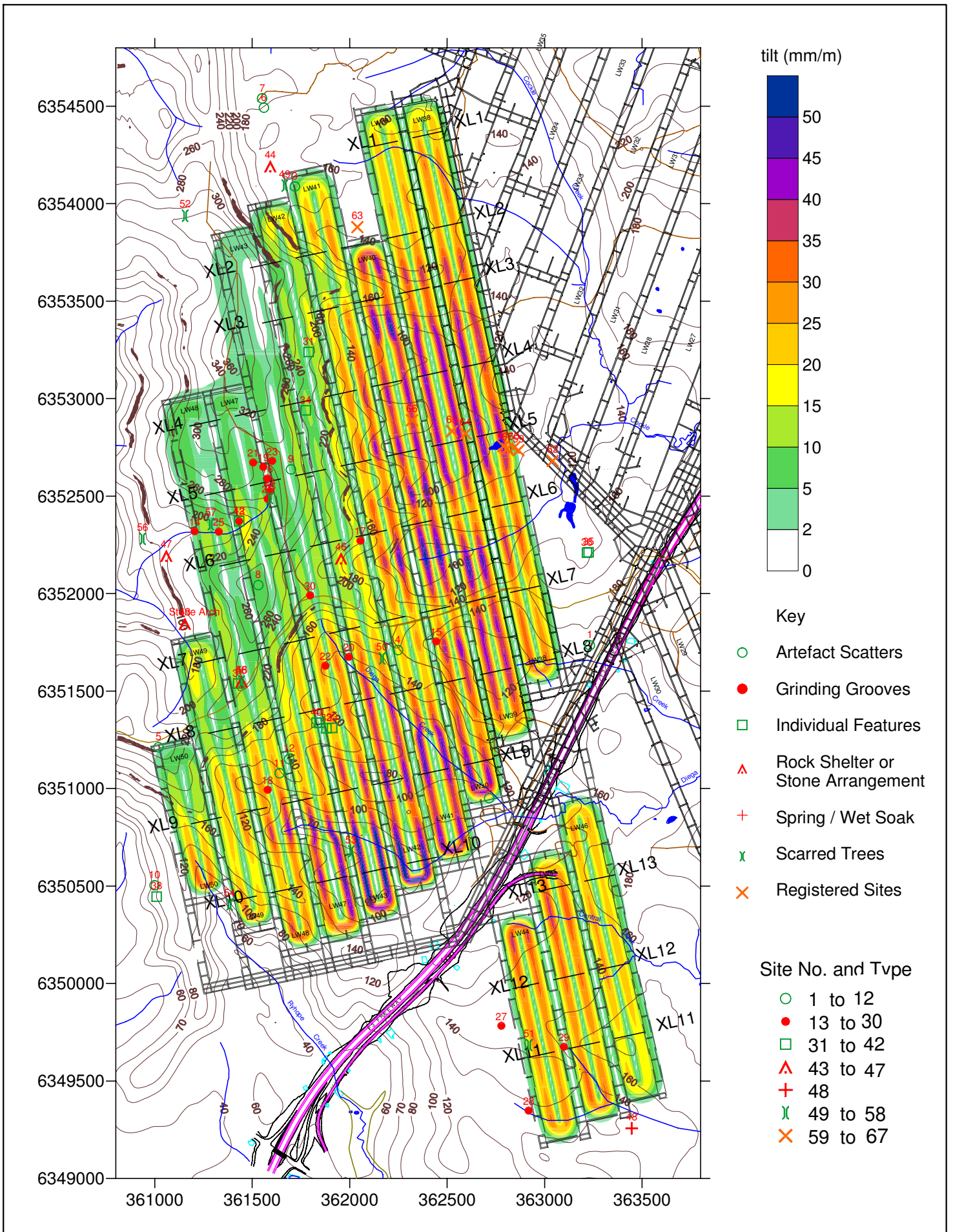


|                                                                                    |                                      |          |         |                                                                                                                                                      |          |            |
|------------------------------------------------------------------------------------|--------------------------------------|----------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
|  | Engineer:                            | S.Ditton | Client: | West Wallsend Colliery<br>WWD-012/1                                                                                                                  |          |            |
|                                                                                    | Drawn:                               | S.Ditton |         |                                                                                                                                                      |          |            |
|                                                                                    | Date:                                | 17.02.09 | Title:  | Predicted Worst-Case Subsidence Contours with Aboriginal Archaeological Sites above the Proposed Longwall Layout in the Western and Southern Domains |          |            |
|                                                                                    | Ditton Geotechnical Services Pty Ltd |          |         | Scale:                                                                                                                                               | 1:25,000 | Figure No: |









**DgS**

Engineer: S.Ditton  
Drawn: S.Ditton  
Date: 30.06.09

Ditton Geotechnical  
Services Pty Ltd

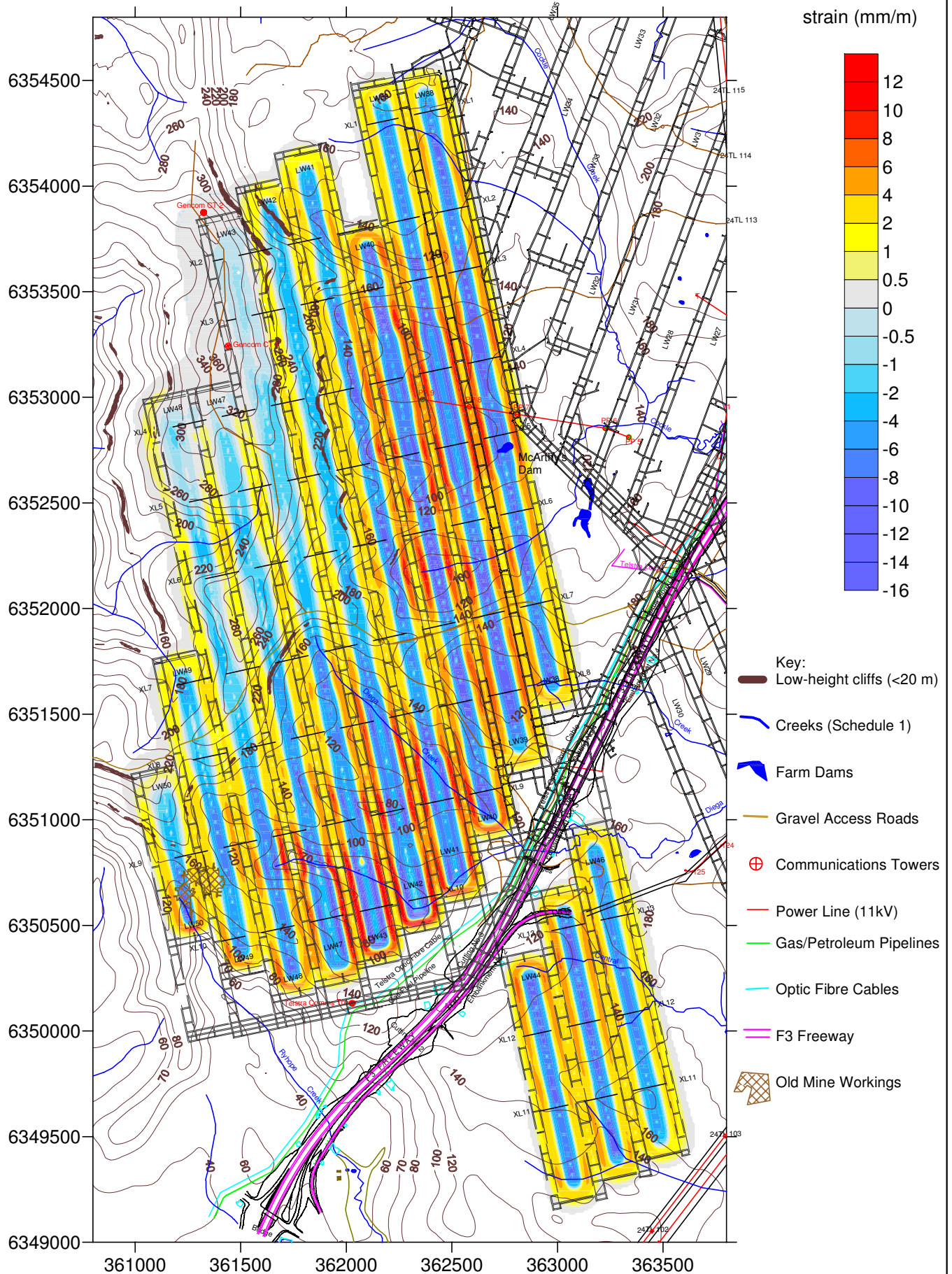
Client: West Wallsend Colliery  
WWD-012/1

Title: Predicted Tilt Contours (based on Worst-Case Subsidence Contours)  
for Proposed Longwall Layout in Western and Southern Domains  
with Aboriginal Archaeological Features Shown

Scale: 1:25,000

Figure No: 37b





DgS

Engineer: S.Ditton  
Drawn: S.Ditton  
Date: 30.06.09

Ditton Geotechnical  
Services Pty Ltd

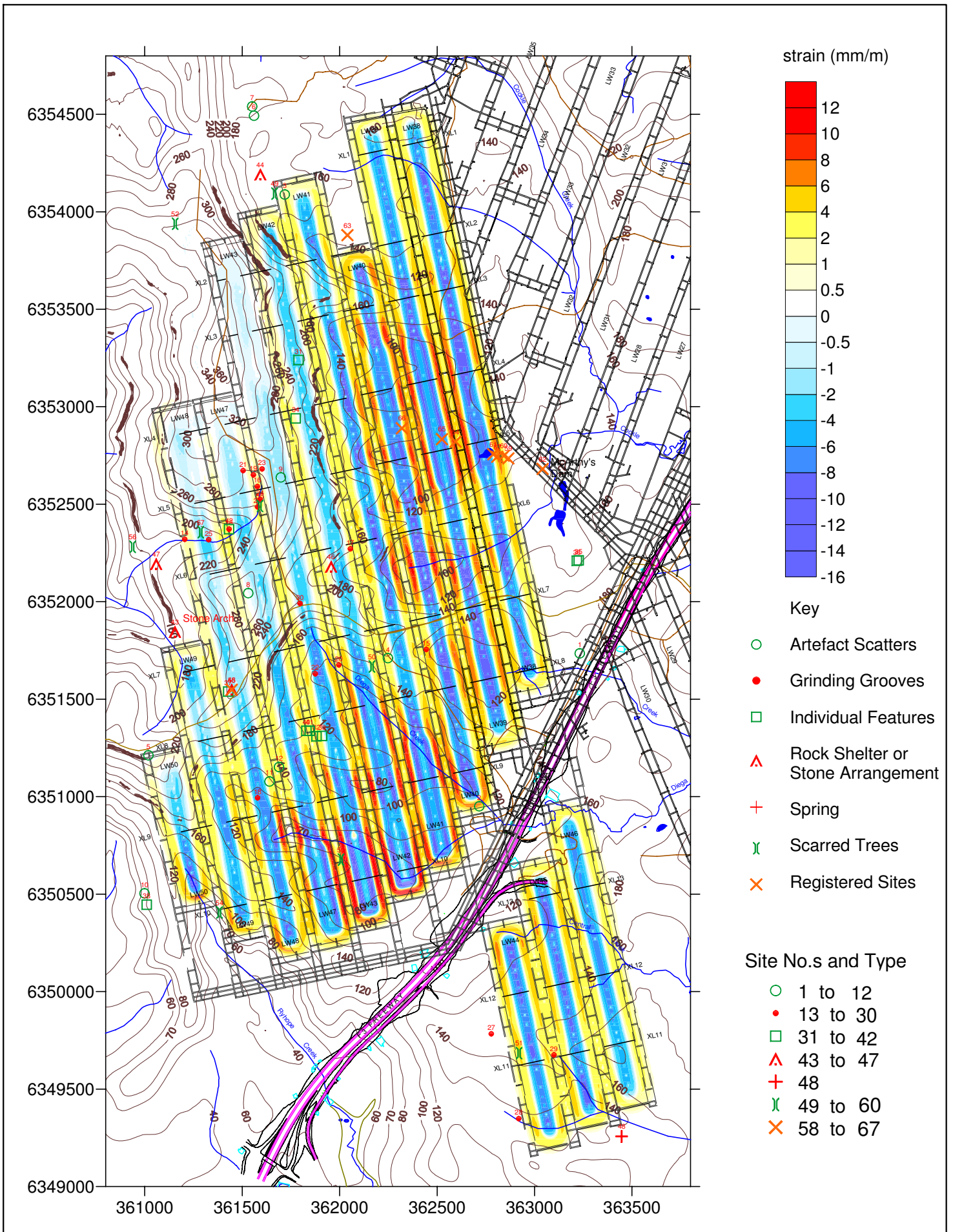
Client: West Wallsend Colliery  
WWD-012/1

Title: Predicted Principal Strain Contours (based on Worst-Case Subsidence Contours) for Proposed Longwall Layout in Western and Southern Domains with Man Made Features Shown

Scale: 1:25,000

Figure No: 38a





DgS

Engineer: S.Ditton  
Drawn: S.Ditton  
Date: 30.06.09

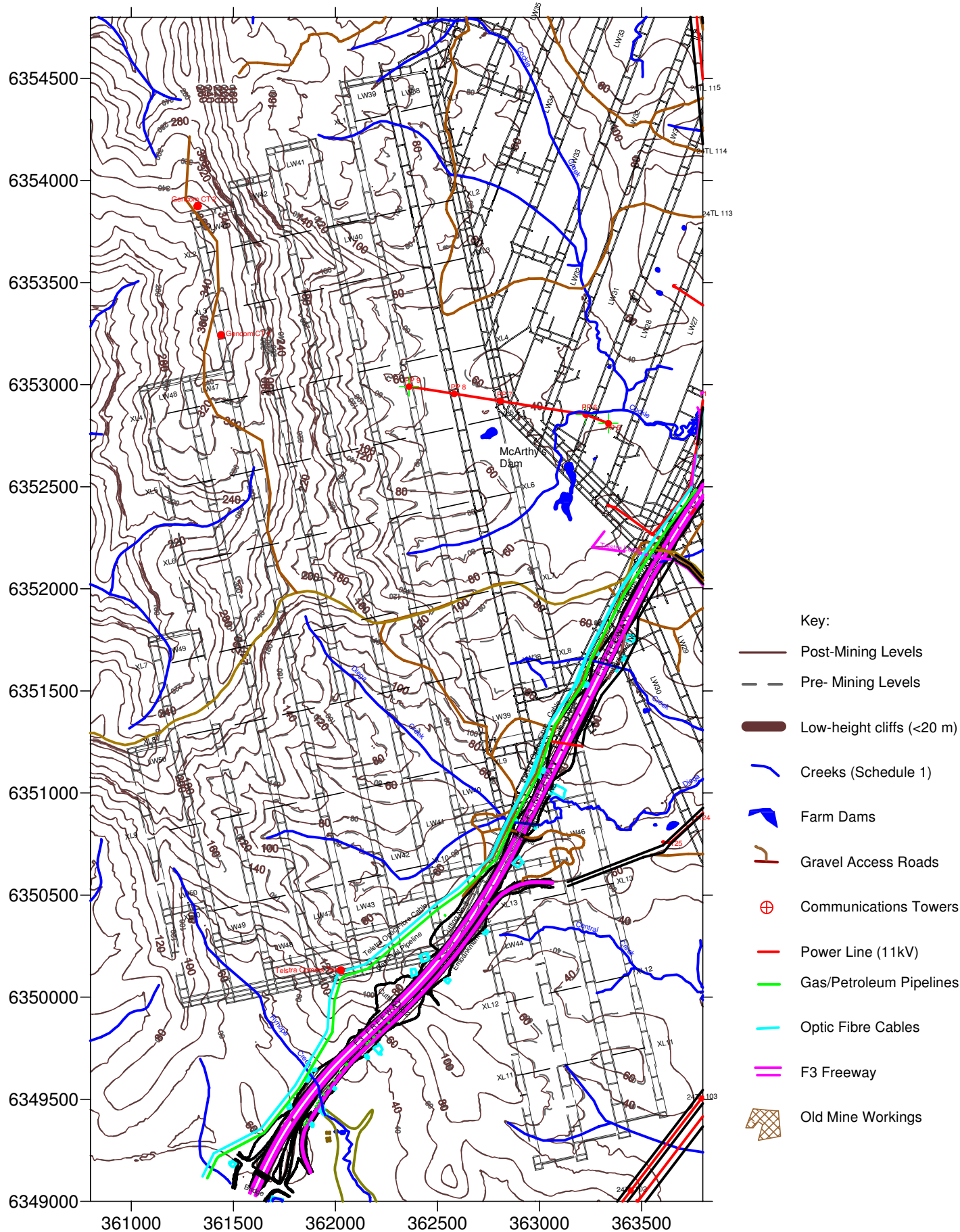
Ditton Geotechnical  
Services Pty Ltd

Client: West Wallsend Colliery  
WWD-012/1

Title: Predicted Principal Strain Contours (based on Worst-Case Subsidence Contours) for Proposed Longwall Layout in Western and Southern Domains with Aboriginal Archaeological Features Shown

Scale: 1:25,000

Figure No: 38b



DgS

Engineer: S.Ditton  
 Drawn: S.Ditton  
 Date: 30.06.09

Ditton Geotechnical  
 Services Pty Ltd

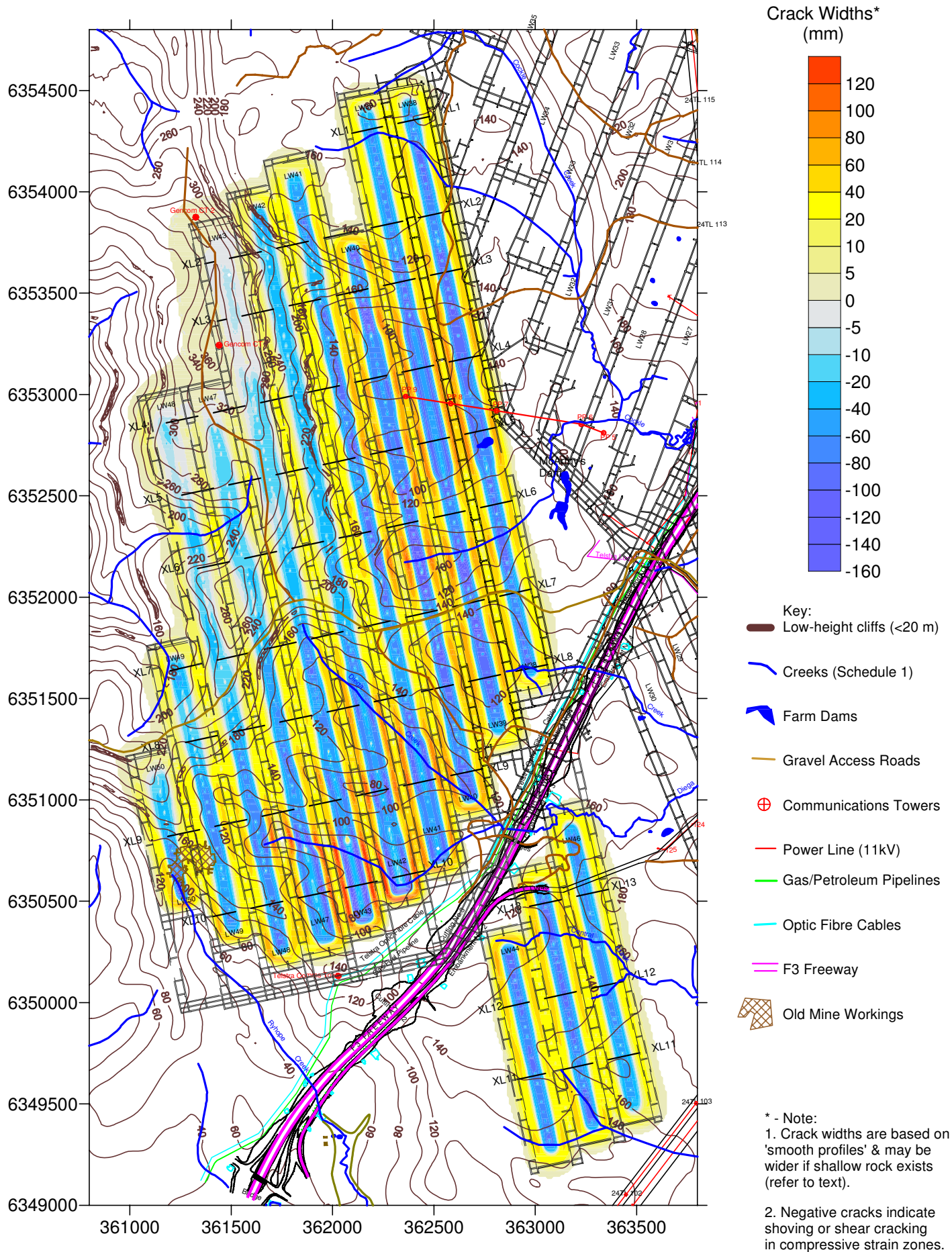
Client: West Wallsend Colliery  
 WWD-012/1

Title: Predicted Pre and Post-Mining Surface Topography (Worst-case)  
 with Surface Features Shown

Scale: 1:25,000

Figure No: 39





DgS

Engineer: S.Ditton  
 Drawn: S.Ditton  
 Date: 30.06.09

Ditton Geotechnical  
 Services Pty Ltd

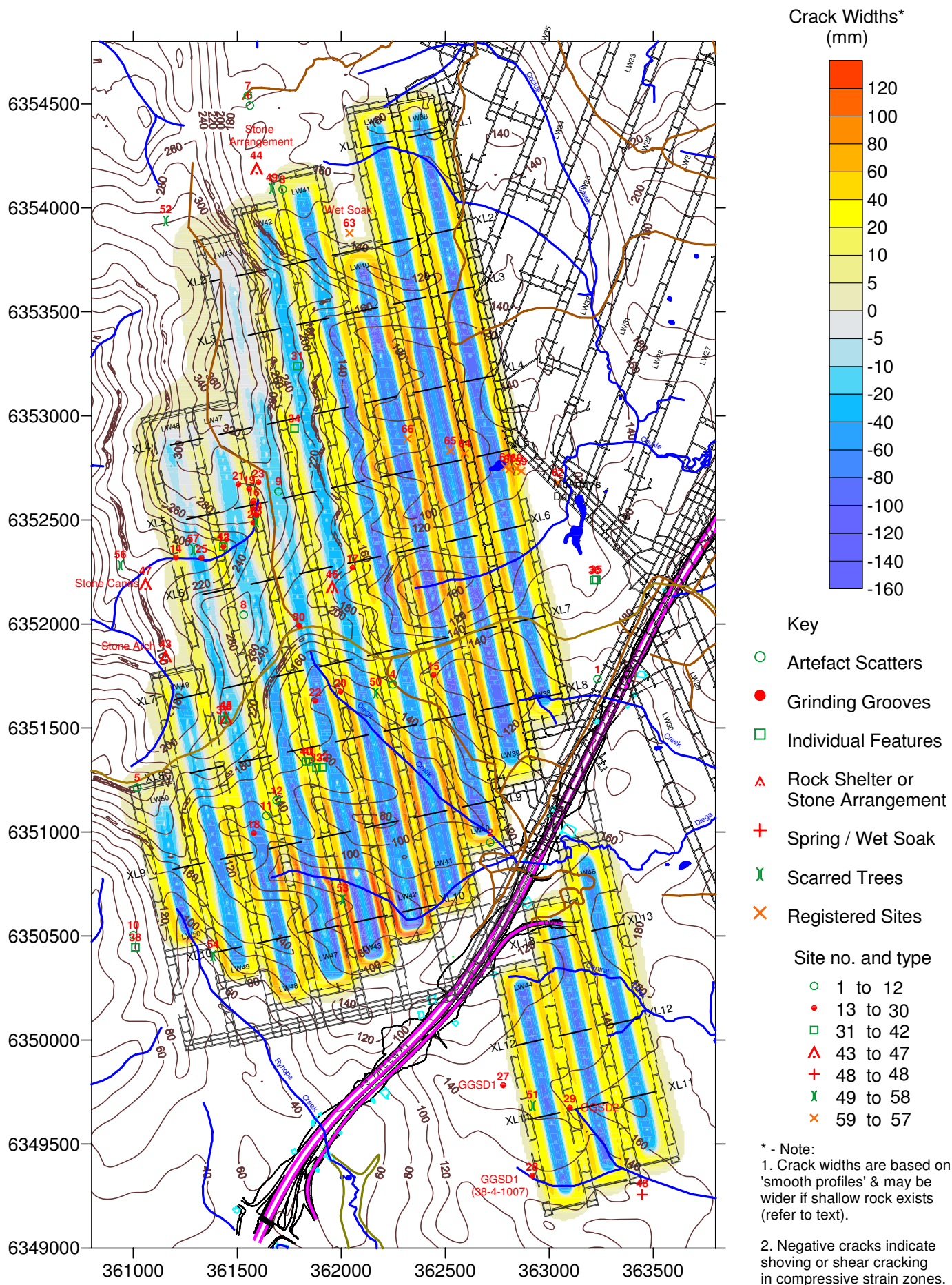
Client: West Wallsend Colliery  
 WWD-012/1

Title: Predicted Potential Surface Crack Widths (based on Worst-Case  
 Subsidence Contours) for the Proposed Longwall Layout with Surface  
 Features Shown

Scale: 1:25,000

Figure No: 40a





|                                                                                    |                                      |          |         |                                                                                                                                                                   |          |  |            |
|------------------------------------------------------------------------------------|--------------------------------------|----------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|------------|
|  | Engineer:                            | S.Ditton | Client: | West Wallsend Colliery<br>WWD-012/1                                                                                                                               |          |  |            |
|                                                                                    | Drawn:                               | S.Ditton |         |                                                                                                                                                                   |          |  |            |
|                                                                                    | Date:                                | 30.06.09 | Title:  | Predicted Potential Surface Crack Widths (based on Worst-Case Subsidence Contours) for the Proposed Longwall Layout with Aboriginal Archaeological Features Shown |          |  |            |
|                                                                                    | Ditton Geotechnical Services Pty Ltd |          |         | Scale:                                                                                                                                                            | 1:25,000 |  | Figure No: |