



NOTES:

PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

FIGURE 14.1 Site location and access route

PROJECT: Meenbog Wind Farm

CLIENT: Planree Ltd

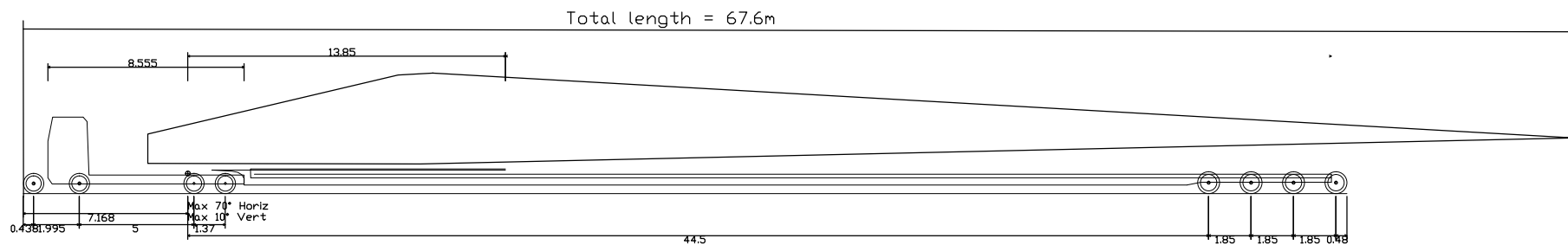
PROJECT NO: 6440

DATE: 05.11.17

SCALE: NTS

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



| | |
|-----------------------------|---------|
| Total length with blade | 67.6m |
| Blade 61.66m (Final) | |
| Overall Length | 57.697m |
| Overall Width | 2.550m |
| Overall Body Height | 4.800m |
| Min Body Ground Clearance | 0.375m |
| Track Width | 2.500m |
| Lock to Lock Time | 6.00s |
| Wall to Wall Turning Radius | 9.800m |

NOTES:

PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

FIGURE 14.2 Design blade extended artic profile

PROJECT: Meenbog Wind Farm

CLIENT: Planree Ltd

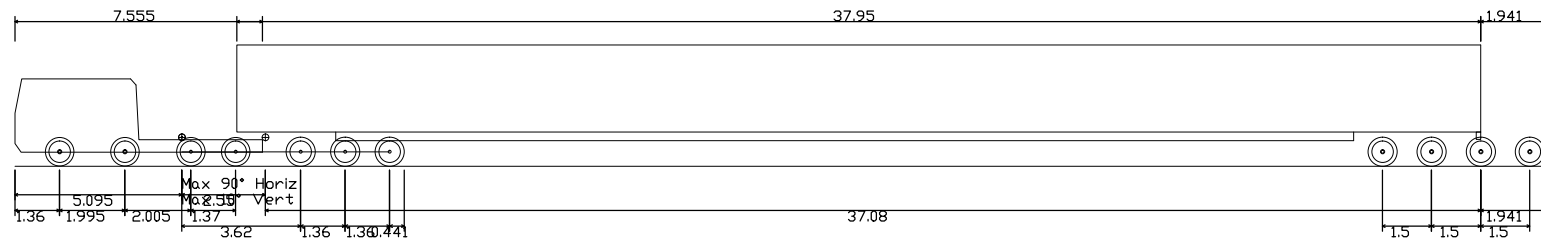
PROJECT NO: 6440

DATE: 05.11.17

SCALE: NTS

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



| | |
|-----------------------------|---------|
| Siemens Tower 46.75 (Final) | |
| Overall Length | 46.666m |
| Overall Width | 2.550m |
| Overall Body Height | 3.695m |
| Min Body Ground Clearance | 0.427m |
| Max Track Width | 2.520m |
| Lock to Lock Time | 6.00s |
| Wall to Wall Turning Radius | 9.800m |

NOTES:

PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

FIGURE 14.3 Design tower extended artic profile

PROJECT: Meenbog Wind Farm

CLIENT: Planree Ltd

SCALE: NTS

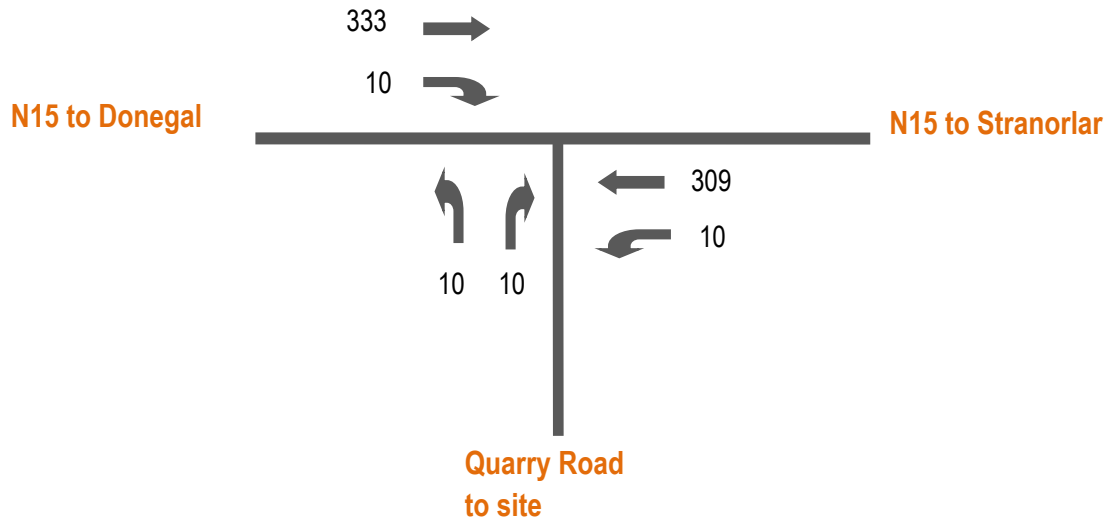
PROJECT NO: 6440

DATE: 05.11.17

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS

PM Peak hour
2019 background
traffic flows



PM Peak hour
2019 "with
construction
workers" traffic
flows

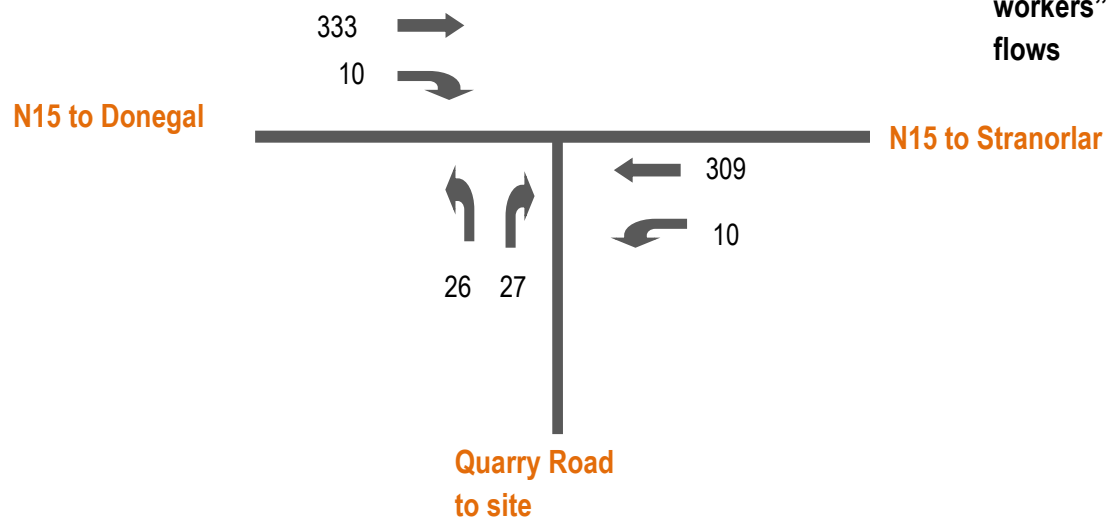


FIGURE 14.4 Traffic flows, with and without construction workers, N15 / Quarry Road junction, PM Peak hour, 2019

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS

Project: Meenbog Wind Farm
Client: Planree Ltd

Date: 10.11.17
Drawn by: AL
Project No.: 6440



NOTES:

PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

FIGURE 14.5a Route assessment location map - external road network

PROJECT: Meenbog Wind Farm

CLIENT: Planree Ltd

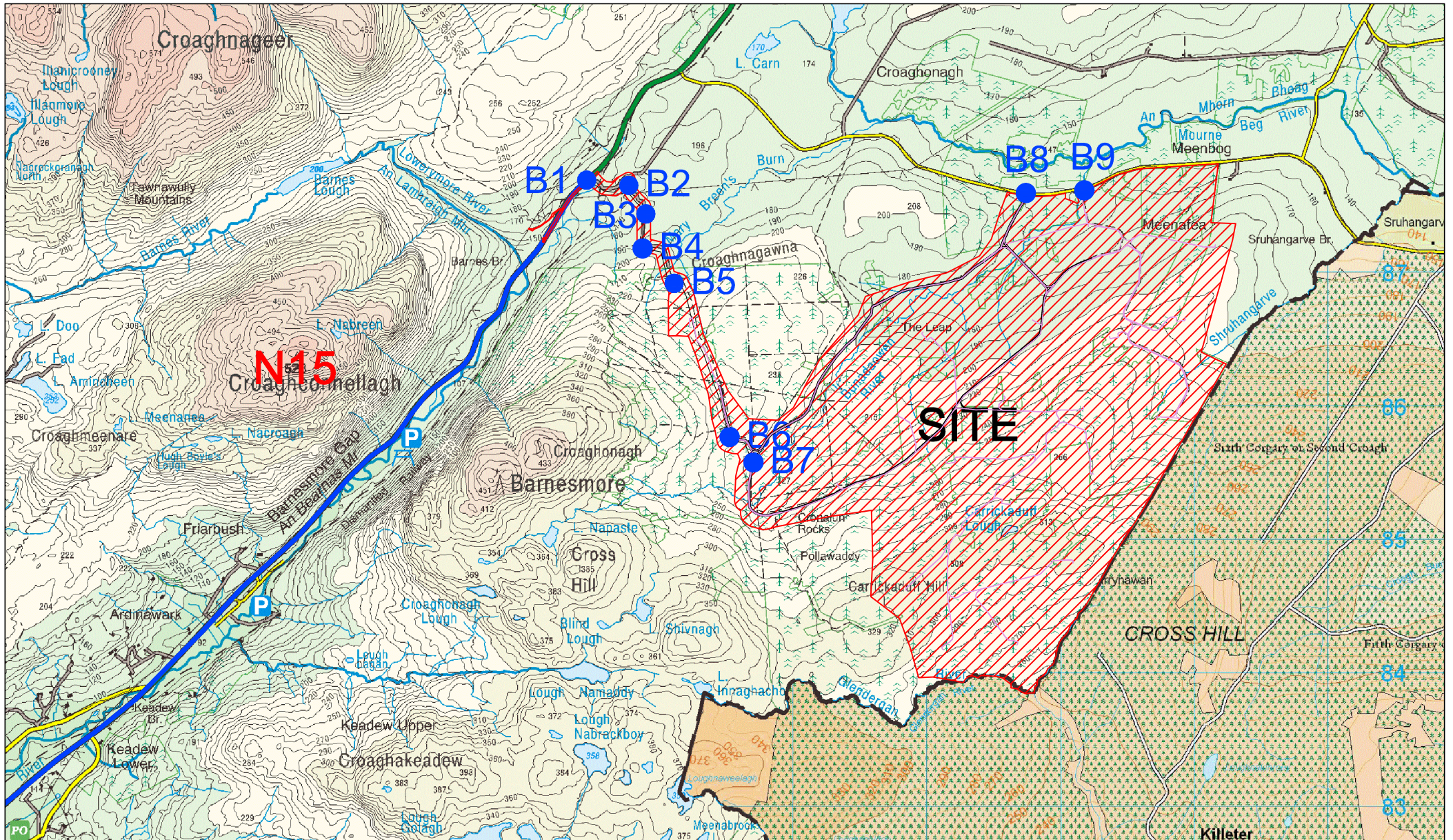
PROJECT NO: 6440

DATE: 05.11.17

SCALE: NTS

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS

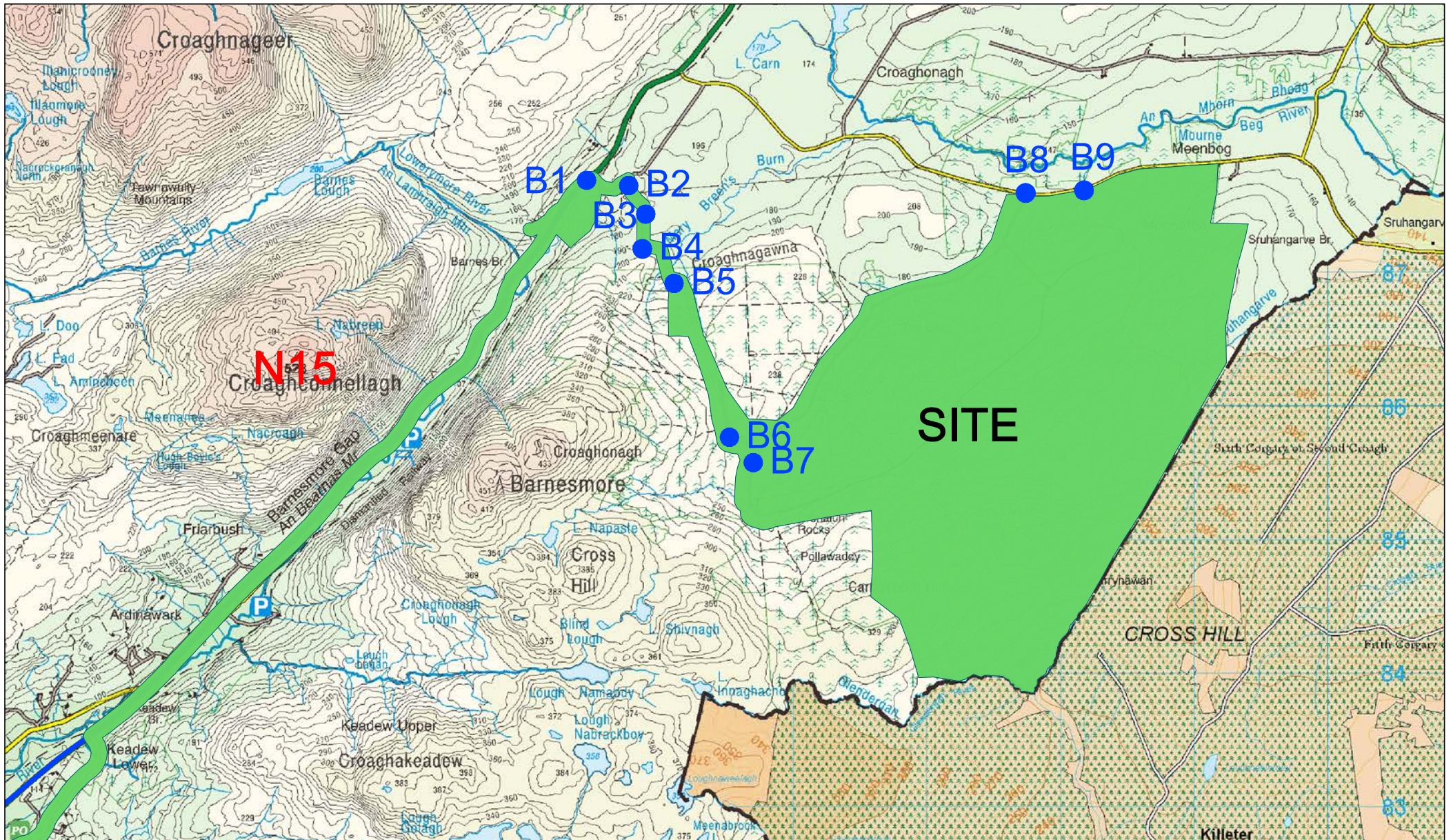


NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

FIGURE 14.5b Route assessment location map - internal road network

| | |
|----------------------------|----------------|
| PROJECT: Meenbog Wind Farm | |
| CLIENT: Planree Ltd | SCALE: NTS |
| PROJECT NO: 6440 | DATE: 05.11.17 |
| | DRAWN BY: AL |

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

FIGURE 14.5b Route assessment location map - internal road network

| | |
|----------------------------|----------------|
| PROJECT: Meenbog Wind Farm | |
| CLIENT: Planree Ltd | SCALE: NTS |
| PROJECT NO: 6440 | DATE: 05.11.17 |
| DRAWN BY: AL | |

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:
PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.6 Location 1 - Bend on N56 east of Straleeney, blade extended artic

PROJECT: Meenbog Wind Farm EIS

CLIENT: Planree Ltd

PROJECT NO: 6440

DATE: 02.10.17

SCALE: 1:1000

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:
PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.7 Location 1 - Bend on N56 east of Straleeney, tower extended artic

PROJECT: Meenbog Wind Farm EIS

CLIENT: Planree Ltd

PROJECT NO: 6440

DATE: 02.10.17

SCALE: 1:1000

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.8 Location 2 - Bend on N56 north of Castlereagh, blade extended artic

| | | |
|--------------------------------|----------------|--------------|
| PROJECT: Meenbog Wind Farm EIS | | |
| CLIENT: Planree Ltd | SCALE: 1:1000 | |
| PROJECT NO: 6440 | DATE: 02.10.17 | DRAWN BY: AL |

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:

PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.9 Location 2 - Bend on N56 north of Castlereagh, tower extended artic

PROJECT: Meenbog Wind Farm EIS

CLIENT: Planree Ltd

PROJECT NO: 6440

DATE: 02.10.17

SCALE: 1:1000

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



733. 876936

NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.10 Location 3 - Bend on N56 through Bruckless, blade extended artic

| | | |
|--------------------------------|----------------|--------------|
| PROJECT: Meenbog Wind Farm EIS | | |
| CLIENT: Planree Ltd | SCALE: 1:1000 | |
| PROJECT NO: 6440 | DATE: 02.10.17 | DRAWN BY: AL |

ALAN LIPSCOMBE
 TRAFFIC & TRANSPORT CONSULTANTS



733, 876936

NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.11 Location 3 - Bend on N56 through Bruckless, tower extended artic

| | | |
|--------------------------------|----------------|--------------|
| PROJECT: Meenbog Wind Farm EIS | | |
| CLIENT: Planree Ltd | SCALE: 1:1000 | |
| PROJECT NO: 6440 | DATE: 02.10.17 | DRAWN BY: AL |

ALAN LIPSCOMBE
 TRAFFIC & TRANSPORT CONSULTANTS



NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.12 Location 4 - Bend on N56 east of Bruckless, blade extended artic

| | | |
|--------------------------------|----------------|--------------|
| PROJECT: Meenbog Wind Farm EIS | | |
| CLIENT: Planree Ltd | SCALE: 1:1000 | |
| PROJECT NO: 6440 | DATE: 28.11.17 | DRAWN BY: AL |

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.13 Location 4 - Bend on N56 east of Bruckless, tower extended artic

PROJECT: Meenbog Wind Farm EIS

CLIENT: Planree Ltd

SCALE: 1:1000

PROJECT NO: 6440

DATE: 28.11.17

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.14 Location 5 - Bend on N56 between Bruckless and Beaugreen, blade extended artic

| | | |
|--------------------------------|----------------|--------------|
| PROJECT: Meenbog Wind Farm EIS | | |
| CLIENT: Planree Ltd | SCALE: 1:1000 | |
| PROJECT NO: 6440 | DATE: 02.10.17 | DRAWN BY: AL |

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.15 Location 5 - Bend on N56 between Bruckless and Beaugreen, tower extended artic

| | | |
|--------------------------------|----------------|--------------|
| PROJECT: Meenbog Wind Farm EIS | | |
| CLIENT: Planree Ltd | SCALE: 1:1000 | |
| PROJECT NO: 6440 | DATE: 02.10.17 | DRAWN BY: AL |

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:
PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.16 Location 6 - Bend on N56 west side of Dunkineely, blade extended artic

| | | |
|--------------------------------|----------------|--------------|
| PROJECT: Meenbog Wind Farm EIS | | |
| CLIENT: Planree Ltd | SCALE: 1:1000 | |
| PROJECT NO: 6440 | DATE: 02.10.17 | DRAWN BY: AL |

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:

PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.17 Location 6 - Bend on N56 west side of Dunkineely, tower extended artic

PROJECT: Meenbog Wind Farm EIS

CLIENT: Planree Ltd

PROJECT NO: 6440

DATE: 02.10.17

SCALE: 1:1000

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.18 Location 7 - Bend on N56 east side of Dunkineely, blade extended artic

| | | |
|--------------------------------|----------------|--------------|
| PROJECT: Meenbog Wind Farm EIS | | |
| CLIENT: Planree Ltd | SCALE: 1:1000 | |
| PROJECT NO: 6440 | DATE: 02.10.17 | DRAWN BY: AL |

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS

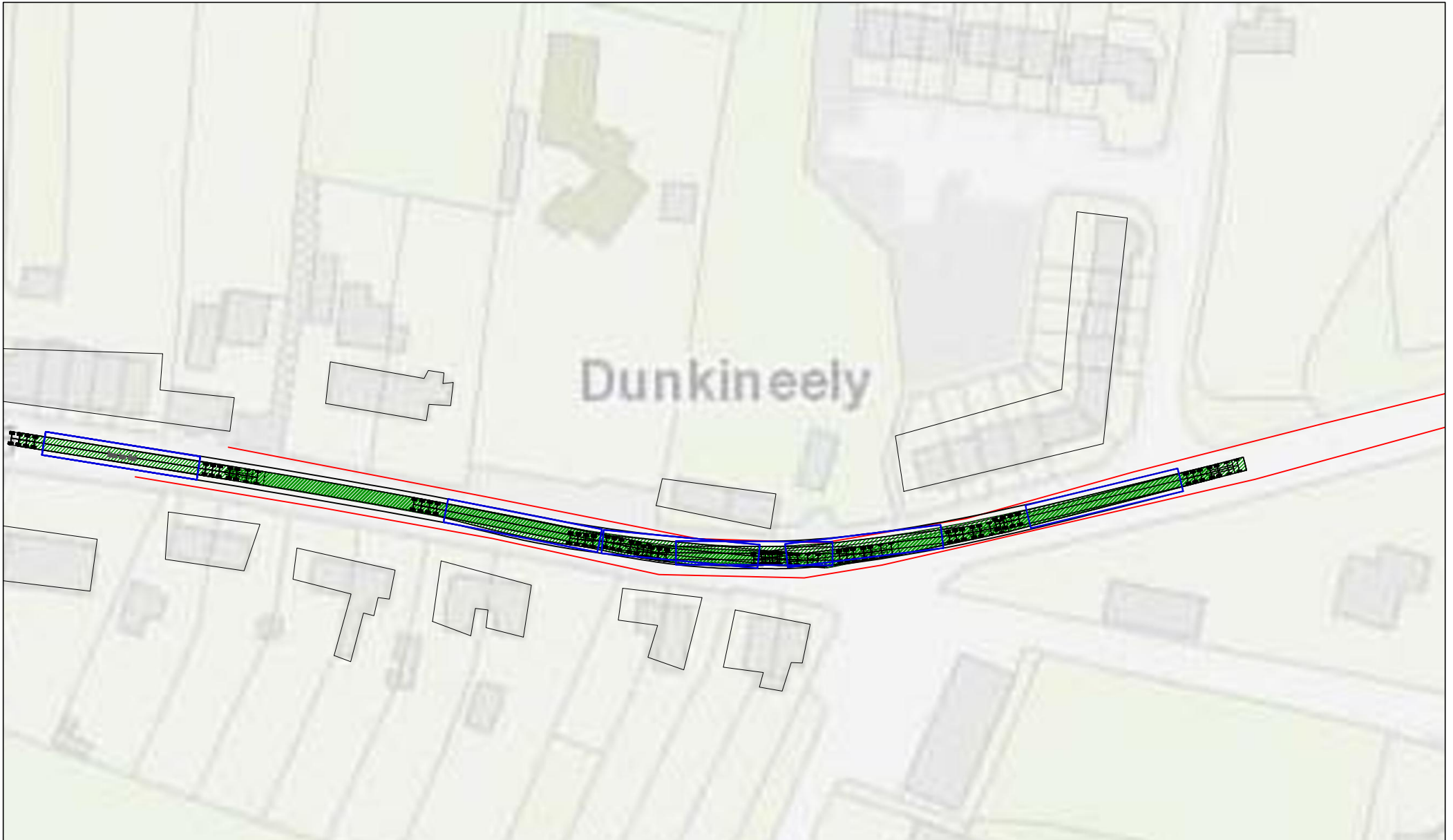


Figure 14.19 Location 7 - Bend on N56 east side of Dunkineely, tower extended artic

NOTES:

PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

PROJECT: Meenbog Wind Farm EIS

CLIENT: Planree Ltd

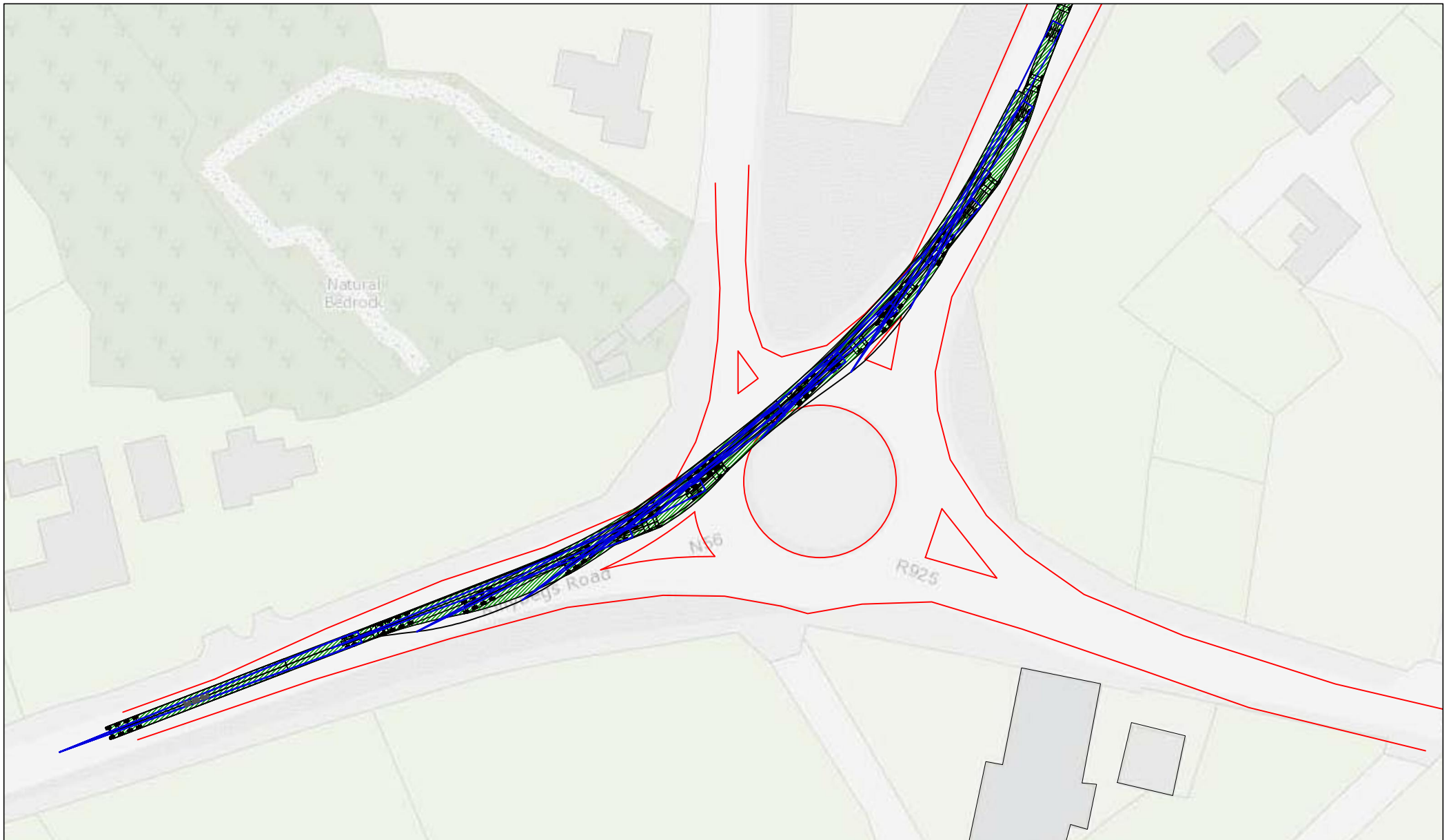
PROJECT NO: 6440

DATE: 02.10.17

SCALE: 1:1000

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.20 Location 8 - N56 / R925 roundabout, blade extended artic

PROJECT: Meenbog Wind Farm EIS

CLIENT: Planree Ltd

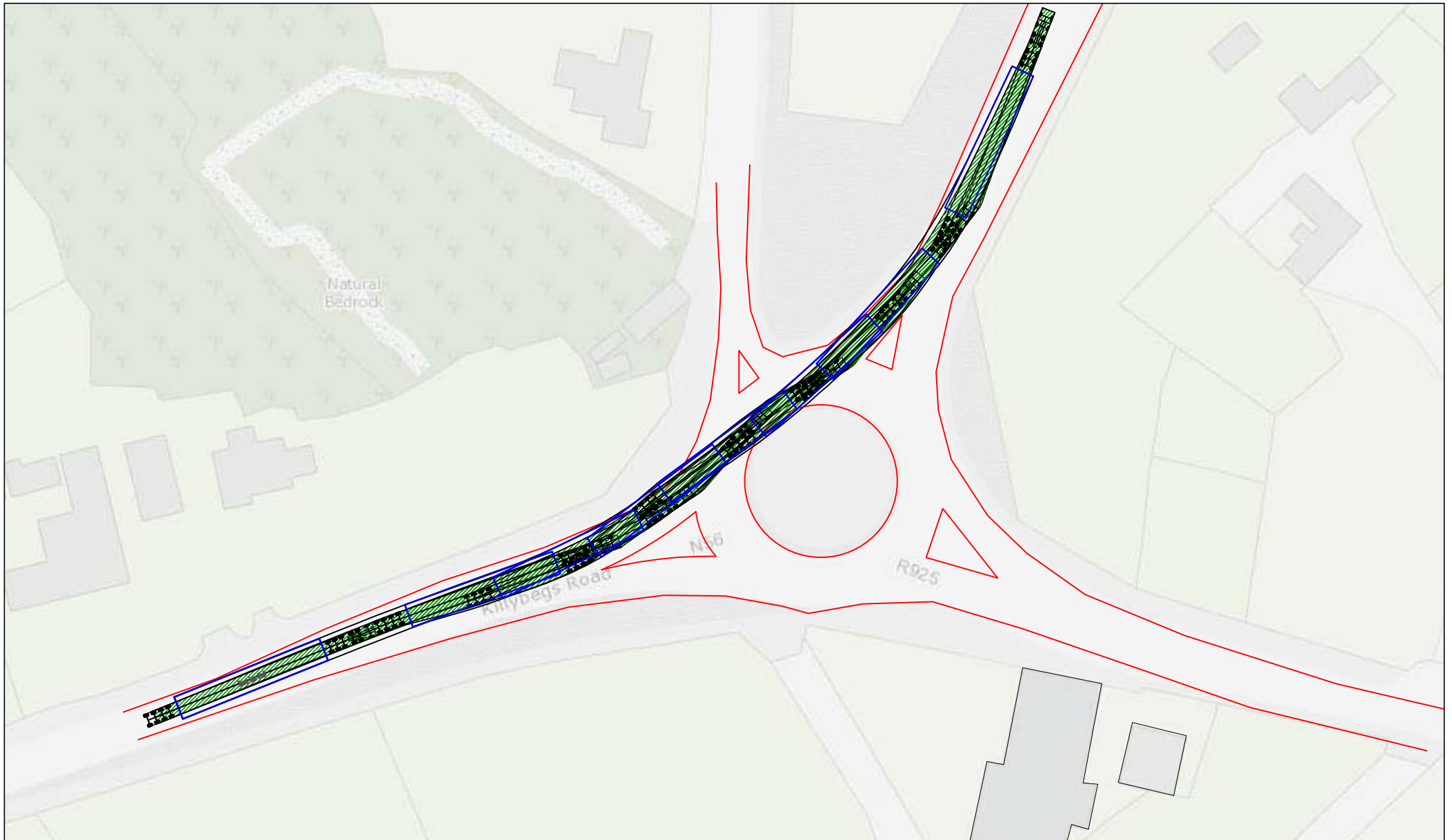
PROJECT NO: 6440

DATE: 02.10.17

SCALE: 1:1000

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.21 Location 8 - N56 / R925 roundabout, tower extended artic

| | | |
|--------------------------------|----------------|--------------|
| PROJECT: Meenbog Wind Farm EIS | | |
| CLIENT: Planree Ltd | SCALE: 1:1000 | |
| PROJECT NO: 6440 | DATE: 02.10.17 | DRAWN BY: AL |

ALAN LIPSCOMBE
 TRAFFIC & TRANSPORT CONSULTANTS



NOTES:

PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.22 Location 9 - N15 Drumlonagher Roundabout, blade extended artic

PROJECT: Meenbog Wind Farm EIS

CLIENT: Planree Ltd

PROJECT NO: 6440

DATE: 02.10.17

SCALE: 1:1000

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:

PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.23 Location 9 - N15 Drumlonagher Roundabout, extended tower artic

PROJECT: Meenbog Wind Farm EIS

CLIENT: Planree Ltd

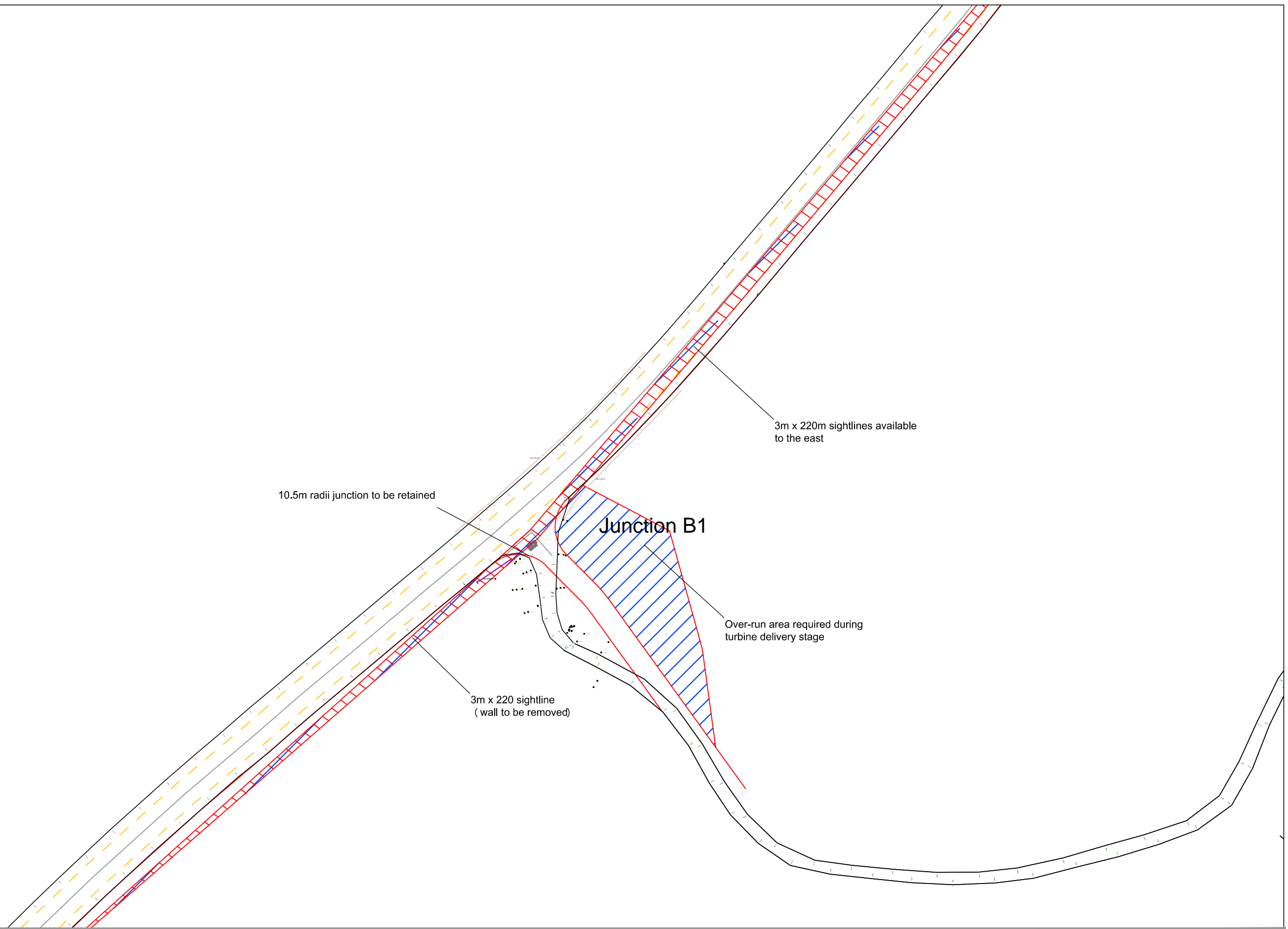
SCALE: 1:1000

PROJECT NO: 6440

DATE: 02.10.17

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS

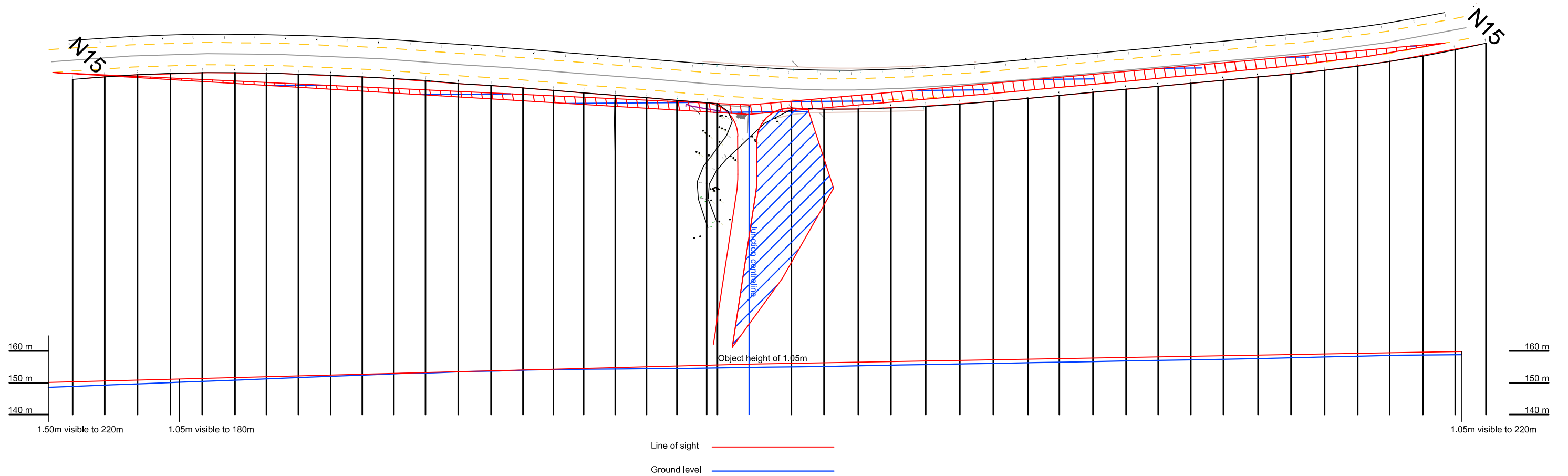


NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.24 Right turn off N15 towards existing quarry & site, proposed junction and visibility splay

| | | | |
|-------------|-------------------|-----------|----------|
| PROJECT: | Meenbog Wind Farm | SCALE: | 1:1000 |
| CLIENT: | Planree Ltd | DATE: | 11.10.17 |
| PROJECT NO: | 6440 | DRAWN BY: | AL |

ALAN LIPSCOMBE
 TRAFFIC & TRANSPORT CONSULTANTS



NOTES:

PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.25 Right turn off N15 towards existing quarry & site, proposed junction and visibility splay

PROJECT: Meenbog Wind Farm

CLIENT: Planree Ltd

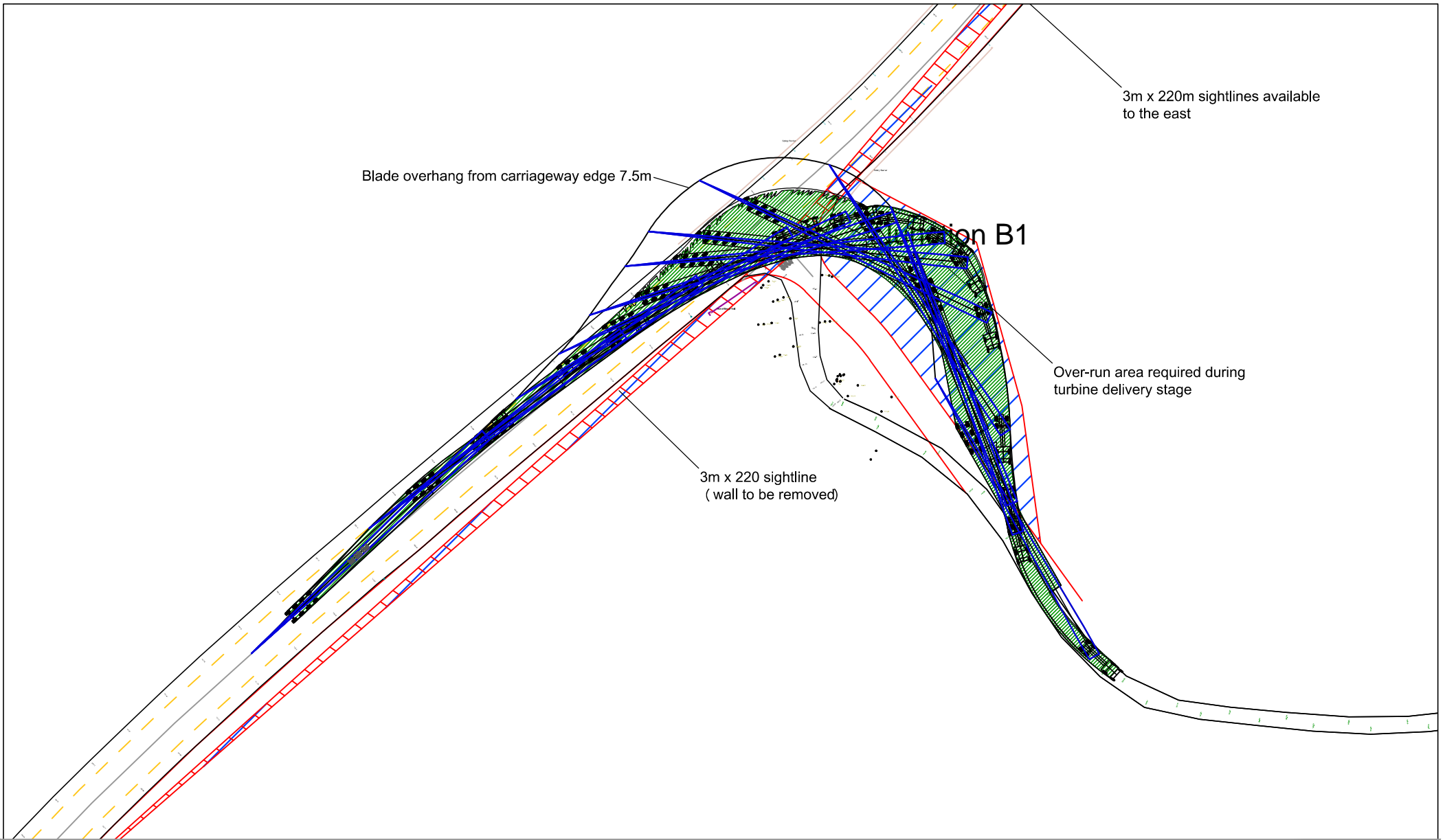
PROJECT NO: 6440

DATE: 11.10.17

SCALE: NTS

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:

PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.26 Location B1 - Right turn of N15 towards quarry, blade extended artic

PROJECT: Meenbog Wind Farm EIS

CLIENT: Planree Ltd

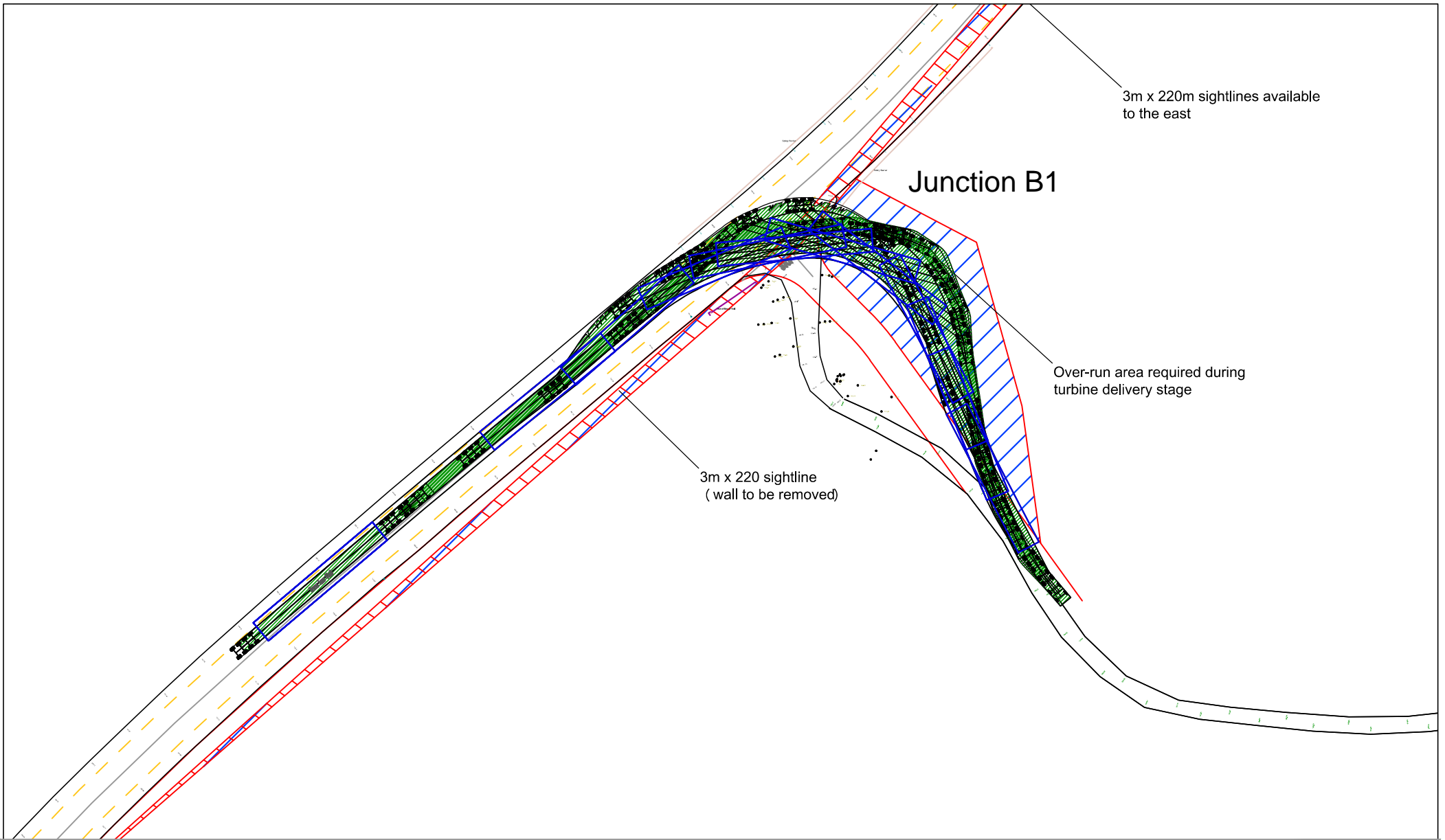
PROJECT NO: 6440

DATE: 11.10.17

SCALE: 1:1000

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:

PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.27 Location B1 - Right turn of N15 towards quarry, tower extended artic

PROJECT: Meenbog Wind Farm EIS

CLIENT: Planree Ltd

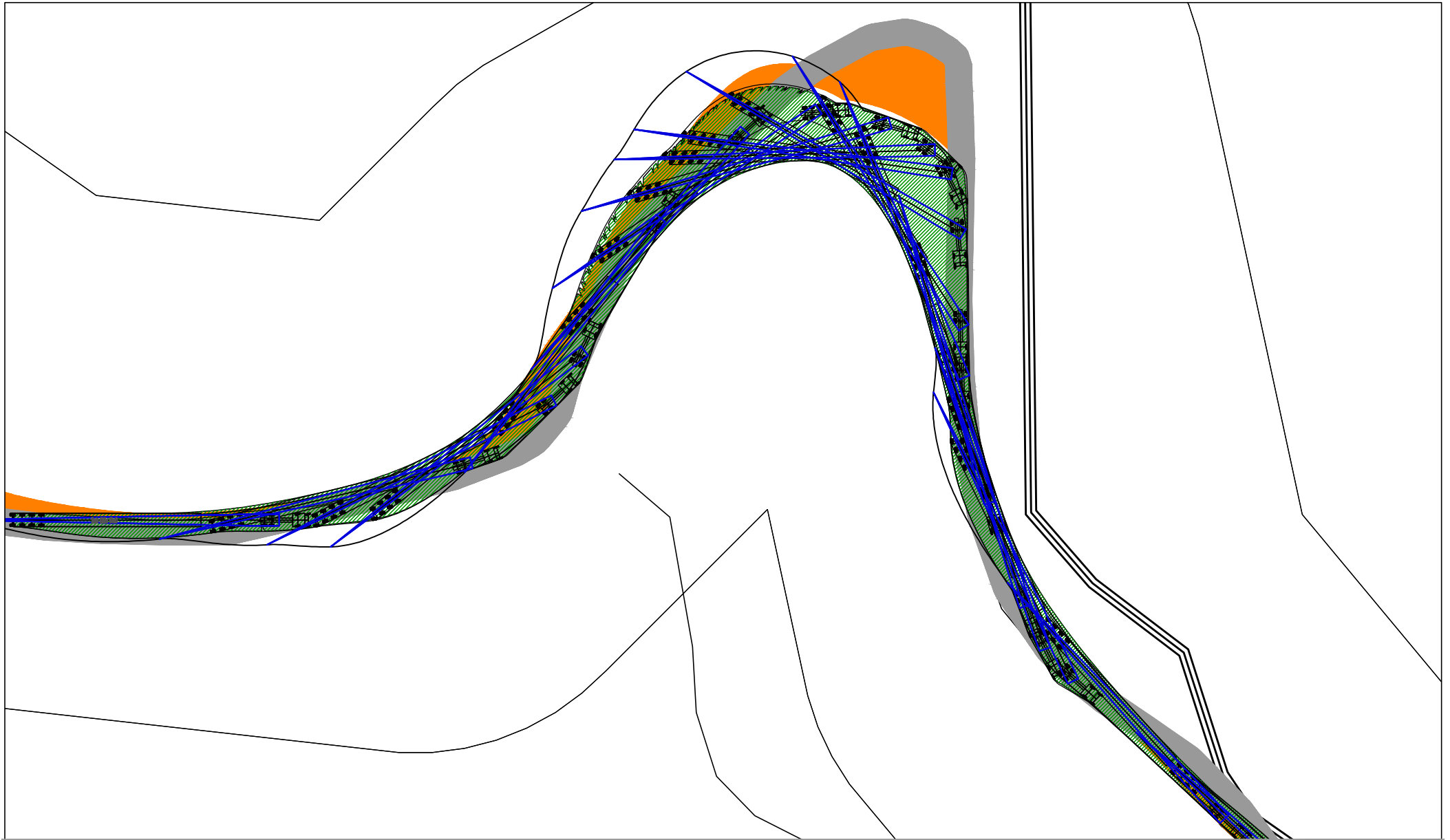
PROJECT NO: 6440

DATE: 11.10.17

SCALE: 1:1000

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:

PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.28 Location B2 - Bend on quarry road, blade extended artic

PROJECT: Meenbog Wind Farm EIS

CLIENT: Planree Ltd

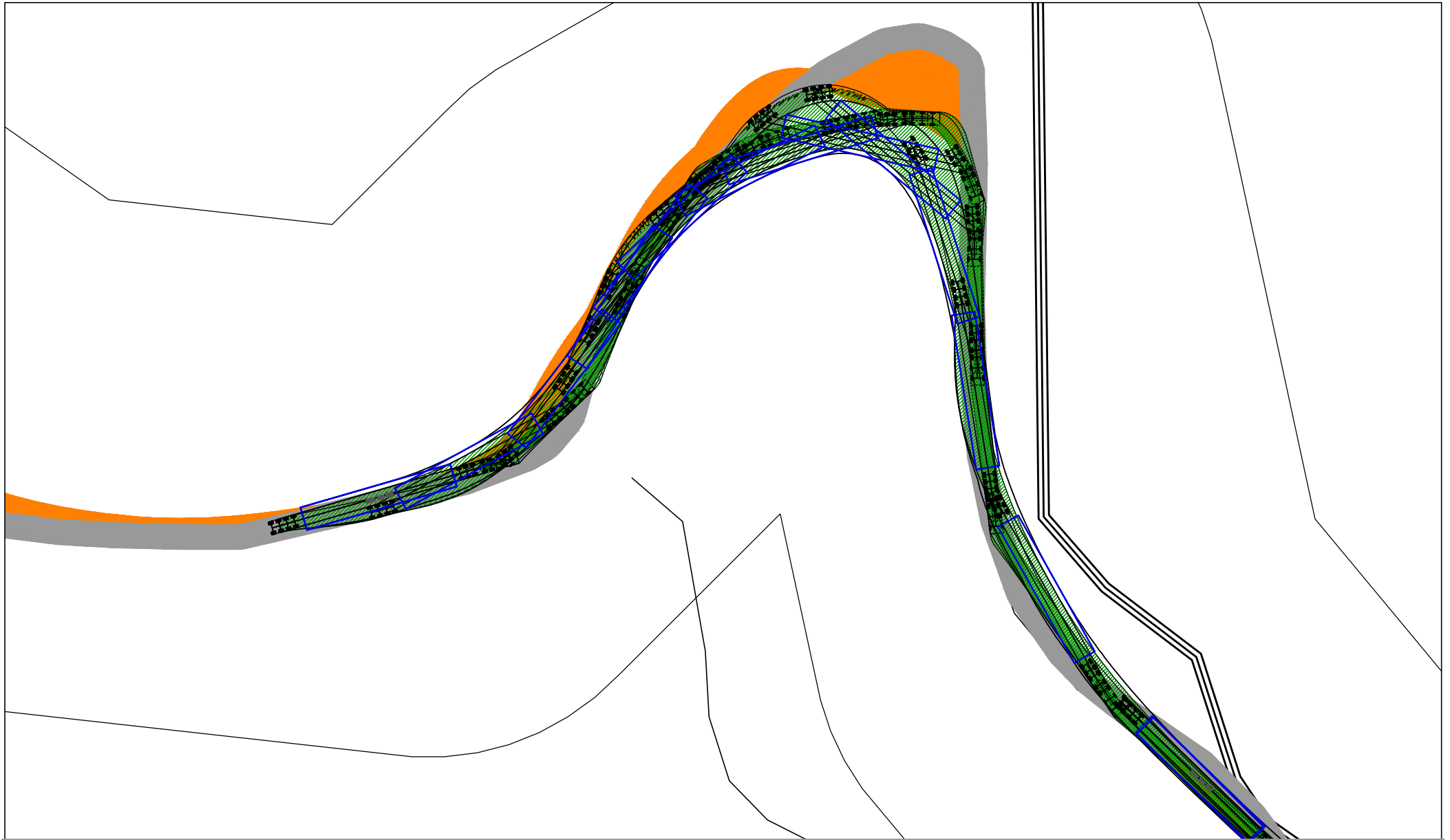
PROJECT NO: 6440

DATE: 28.11.17

SCALE: 1:1000

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS

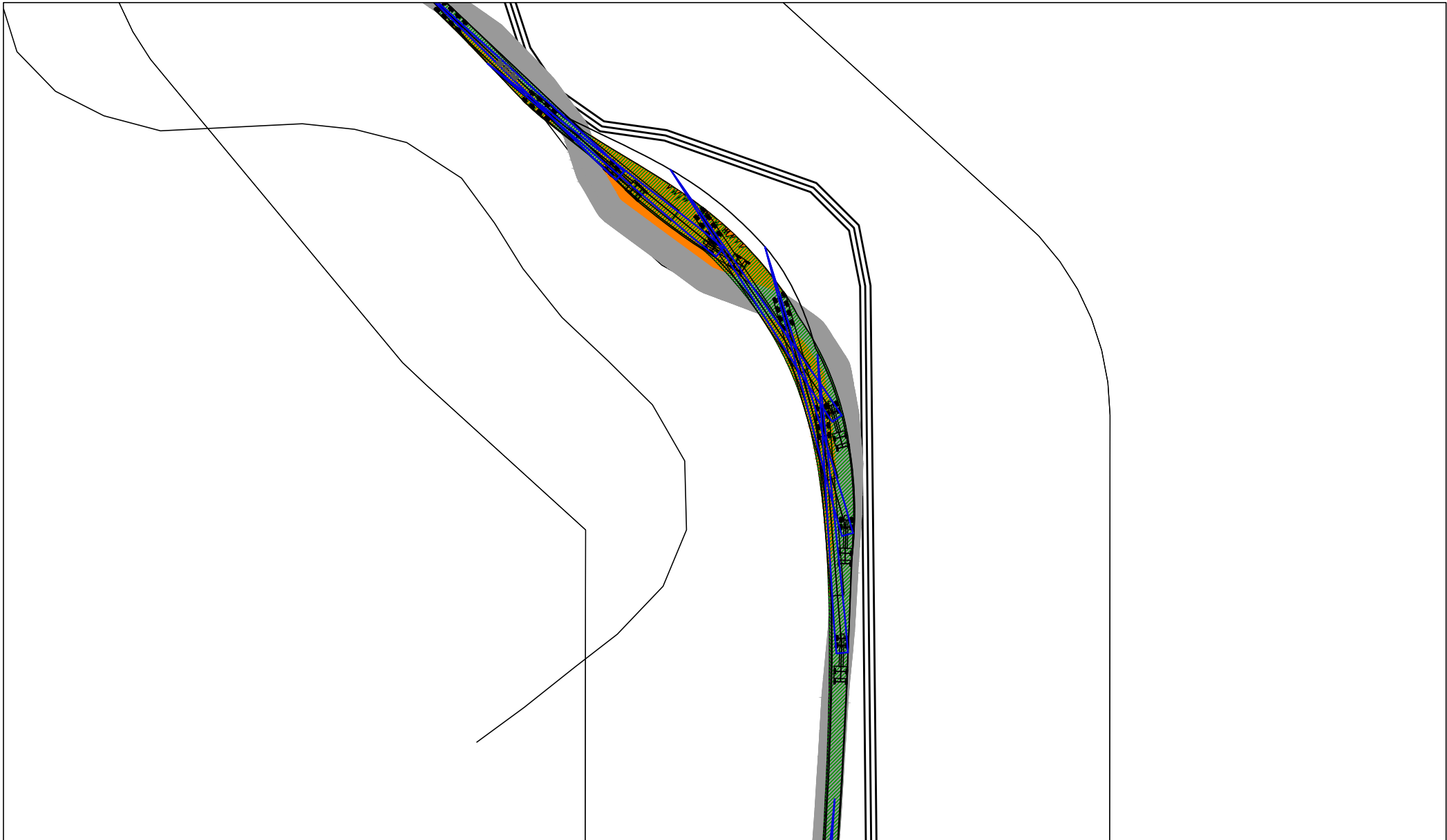


NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.29 Location B2 - Bend on quarry road, tower extended artic

| | | |
|--------------------------------|----------------|--------------|
| PROJECT: Meenbog Wind Farm EIS | | |
| CLIENT: Planree Ltd | SCALE: 1:1000 | |
| PROJECT NO: 6440 | DATE: 03.11.17 | DRAWN BY: AL |

ALAN LIPSCOMBE
 TRAFFIC & TRANSPORT CONSULTANTS



NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.30 Location B3 - Bend on quarry road, blade extended artic

| | | |
|--------------------------------|----------------|---------------|
| PROJECT: Meenbog Wind Farm EIS | | SCALE: 1:1000 |
| CLIENT: Planree Ltd | | DRAWN BY: AL |
| PROJECT NO: 6440 | DATE: 03.11.17 | |

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS

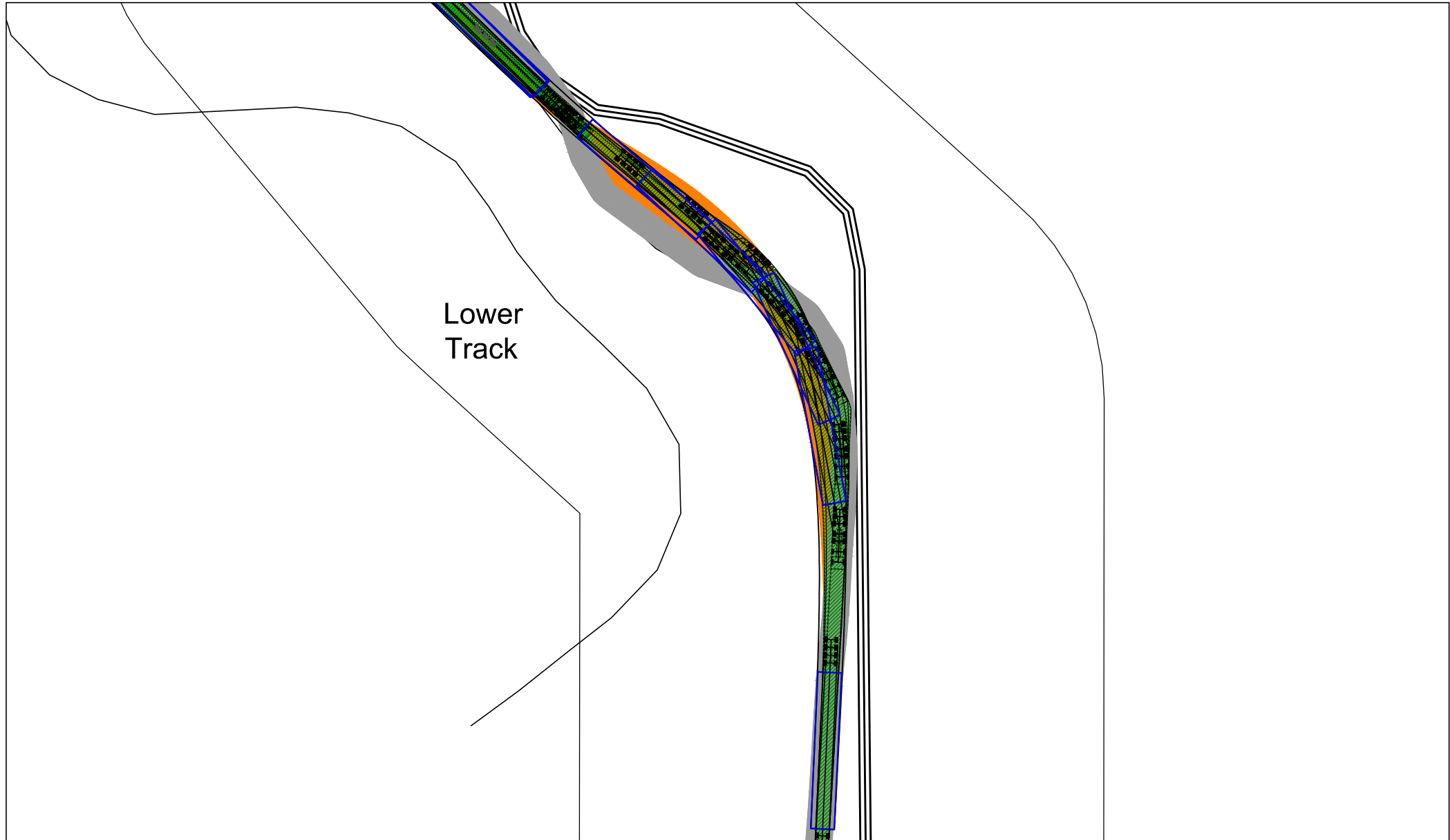
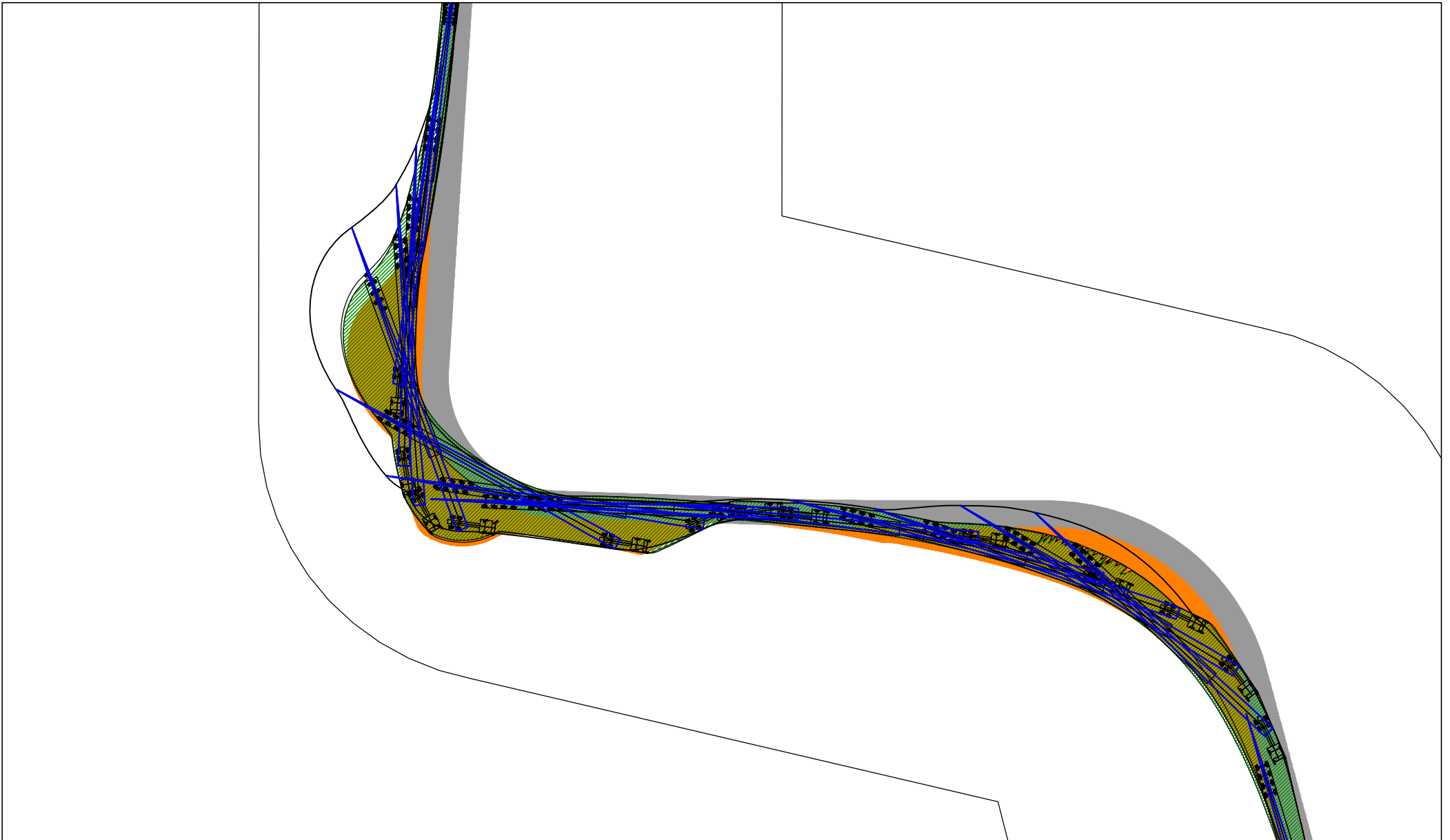


Figure 14.31 Location B3 - Bend on quarry road, tower extended artic

NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

| | | |
|--------------------------------|----------------|--------------|
| PROJECT: Meenbog Wind Farm EIS | | |
| CLIENT: Planree Ltd | SCALE: 1:1000 | |
| PROJECT NO: 6440 | DATE: 03.11.17 | DRAWN BY: AL |

ALAN LIPSCOMBE
 TRAFFIC & TRANSPORT CONSULTANTS

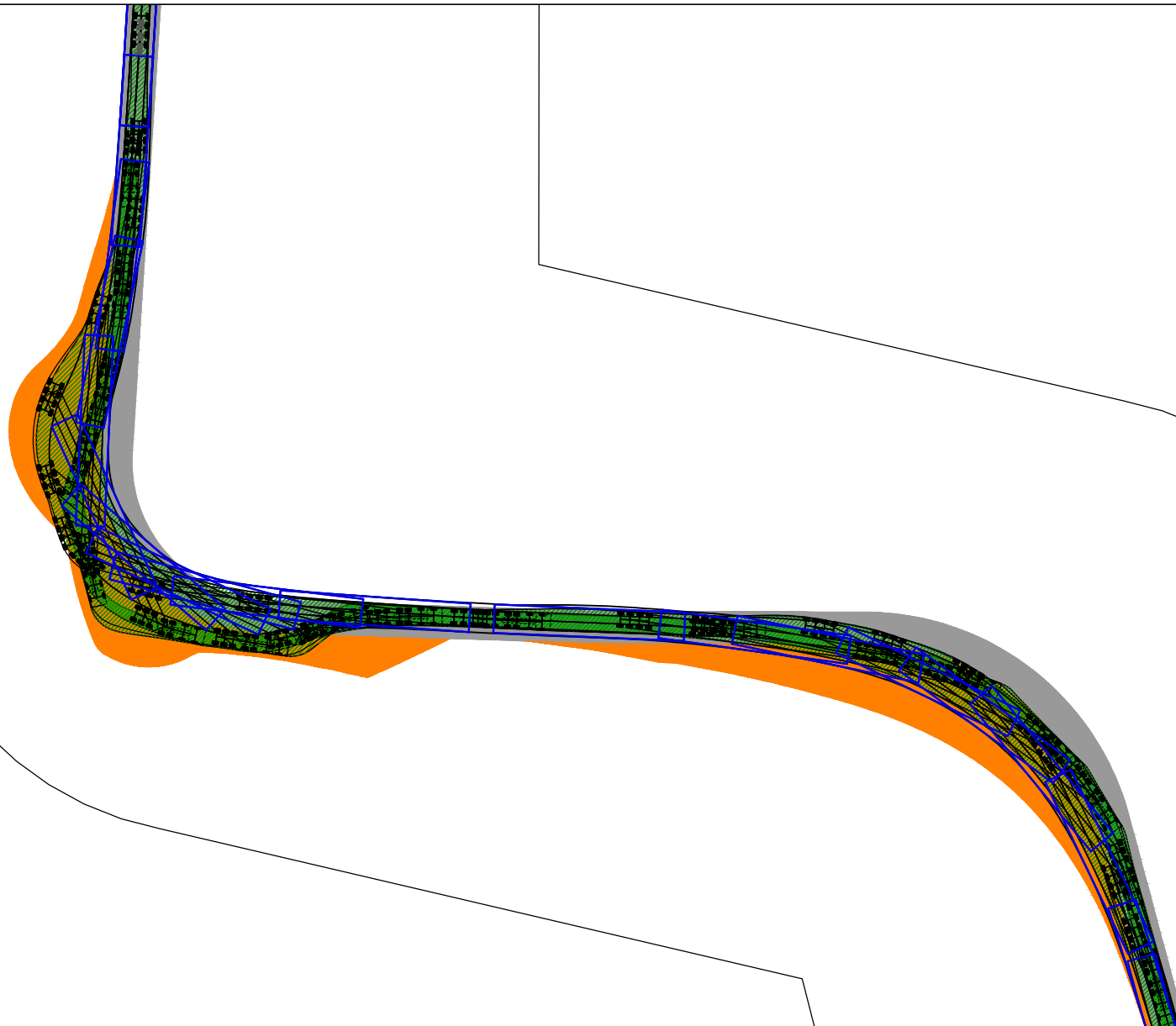


NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.32 Location B4 - Bends on quarry road, blade extended artic

| | | |
|--------------------------------|----------------|--------------|
| PROJECT: Meenbog Wind Farm EIS | | |
| CLIENT: Planree Ltd | SCALE: 1:1000 | |
| PROJECT NO: 6440 | DATE: 02.10.17 | DRAWN BY: AL |

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:

PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.33 Location B4 - Bends on quarry road, tower extended artic

PROJECT: Meenbog Wind Farm EIS

CLIENT: Planree Ltd

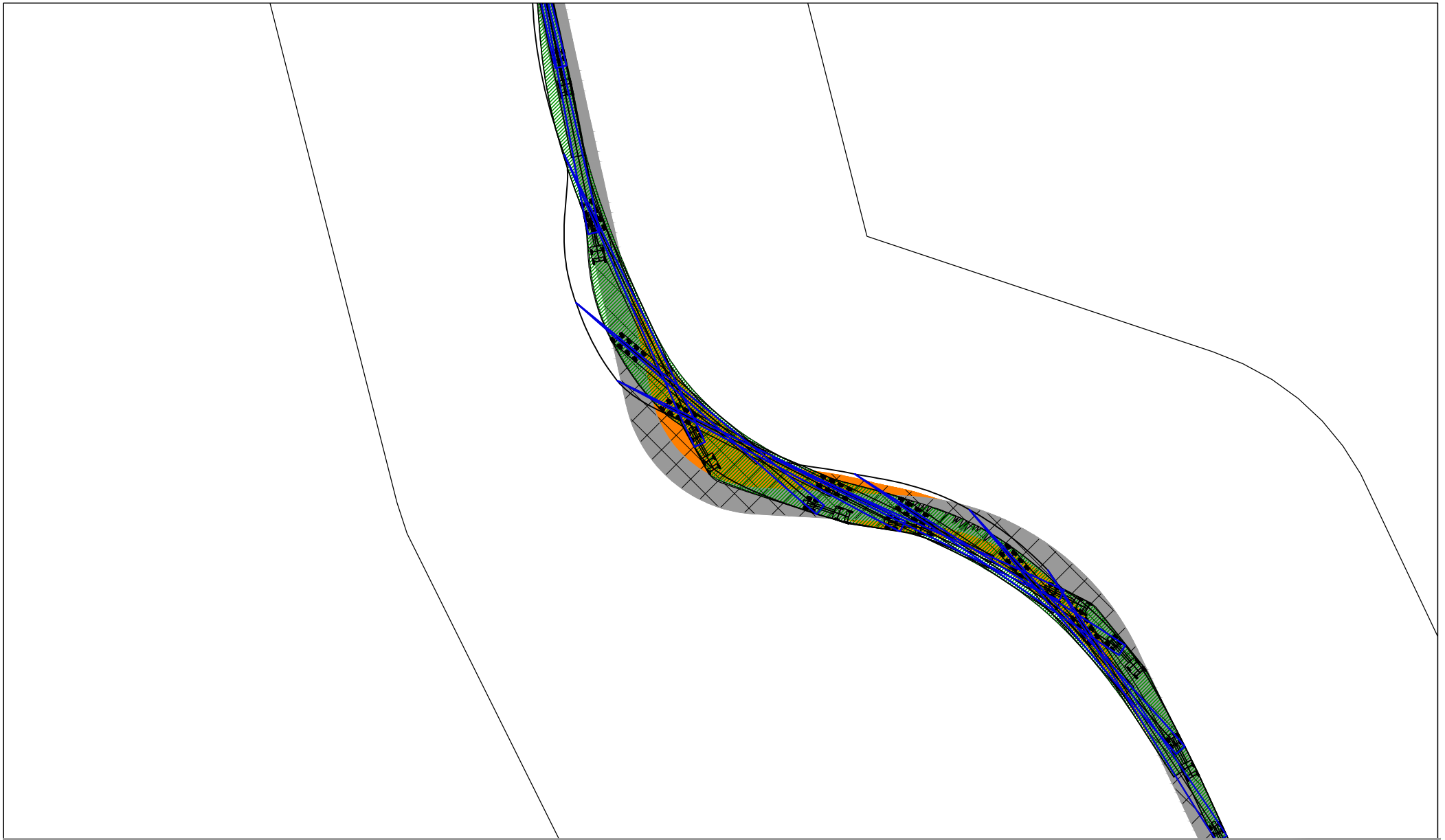
PROJECT NO: 6440

DATE: 02.10.17

SCALE: 1:1000

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS

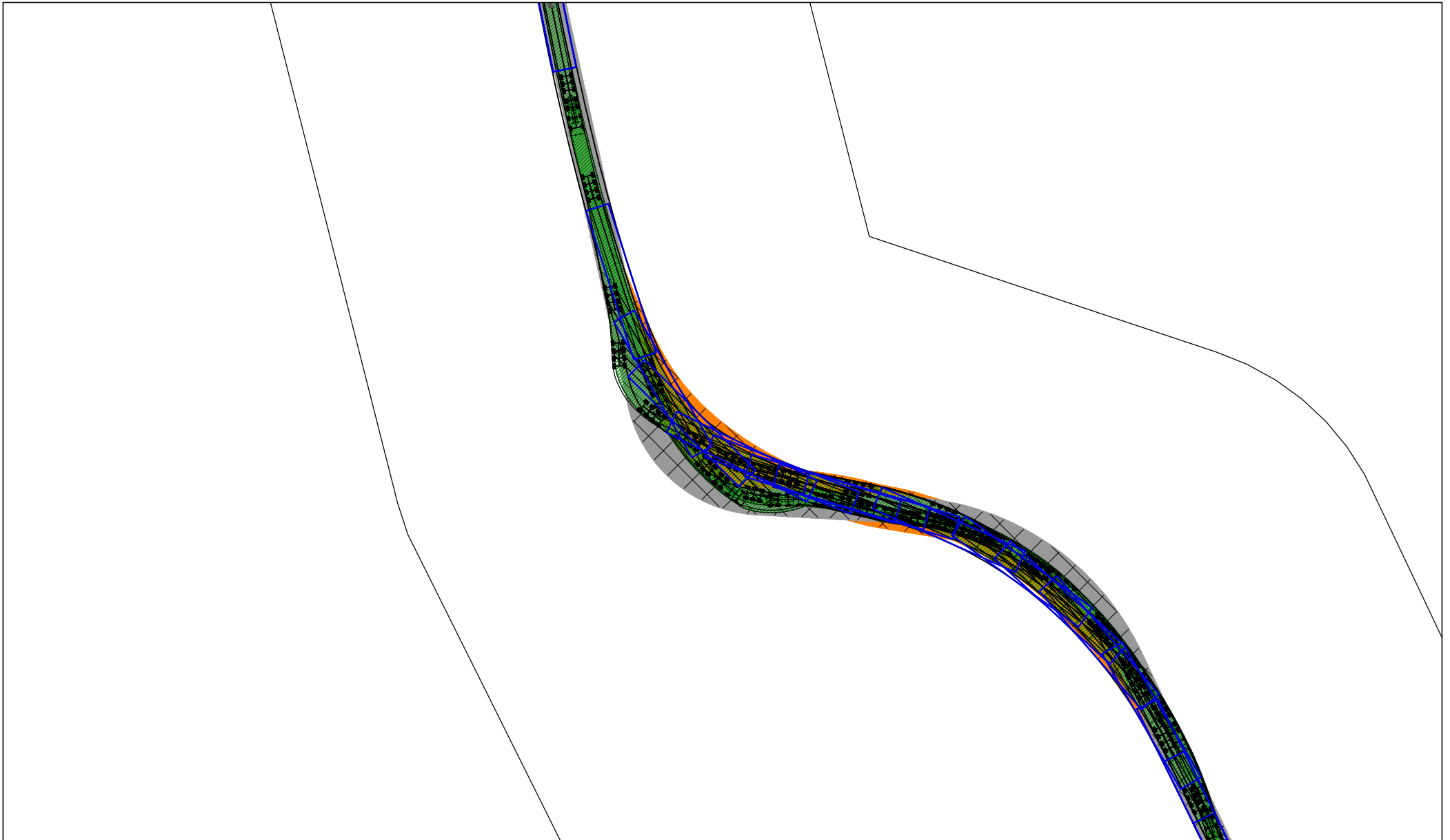


NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.34 Location B5 - Bend on quarry road, blade extended artic

| | | |
|--------------------------------|----------------|--------------|
| PROJECT: Meenbog Wind Farm EIS | | |
| CLIENT: Planree Ltd | SCALE: 1:1000 | |
| PROJECT NO: 6440 | DATE: 03.11.17 | DRAWN BY: AL |

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:

PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.35 Location B5 - Bend on quarry road, tower extended artic

PROJECT: Meenbog Wind Farm EIS

CLIENT: Planree Ltd

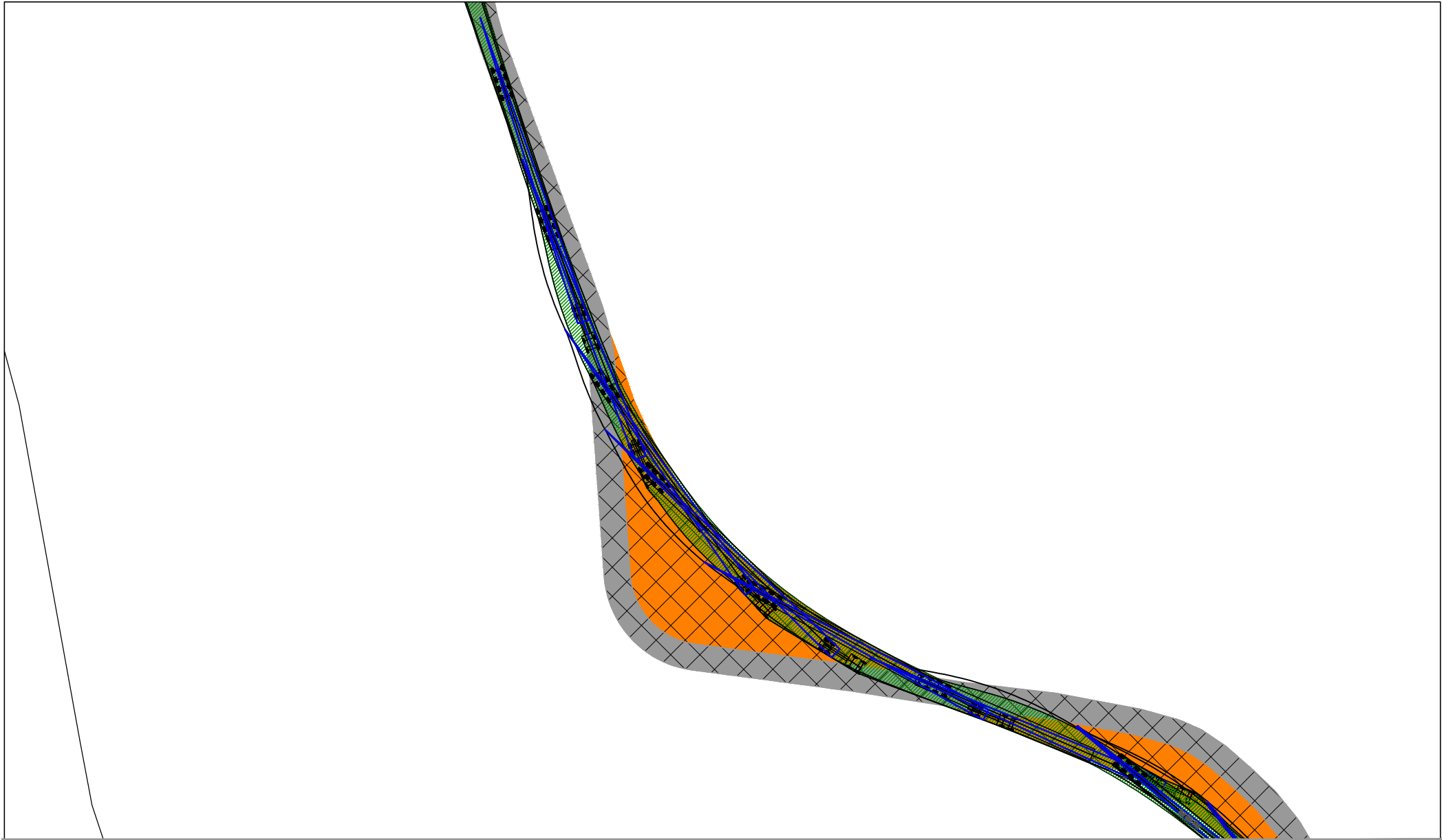
SCALE: 1:1000

PROJECT NO: 6440

DATE: 03.11.17

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS

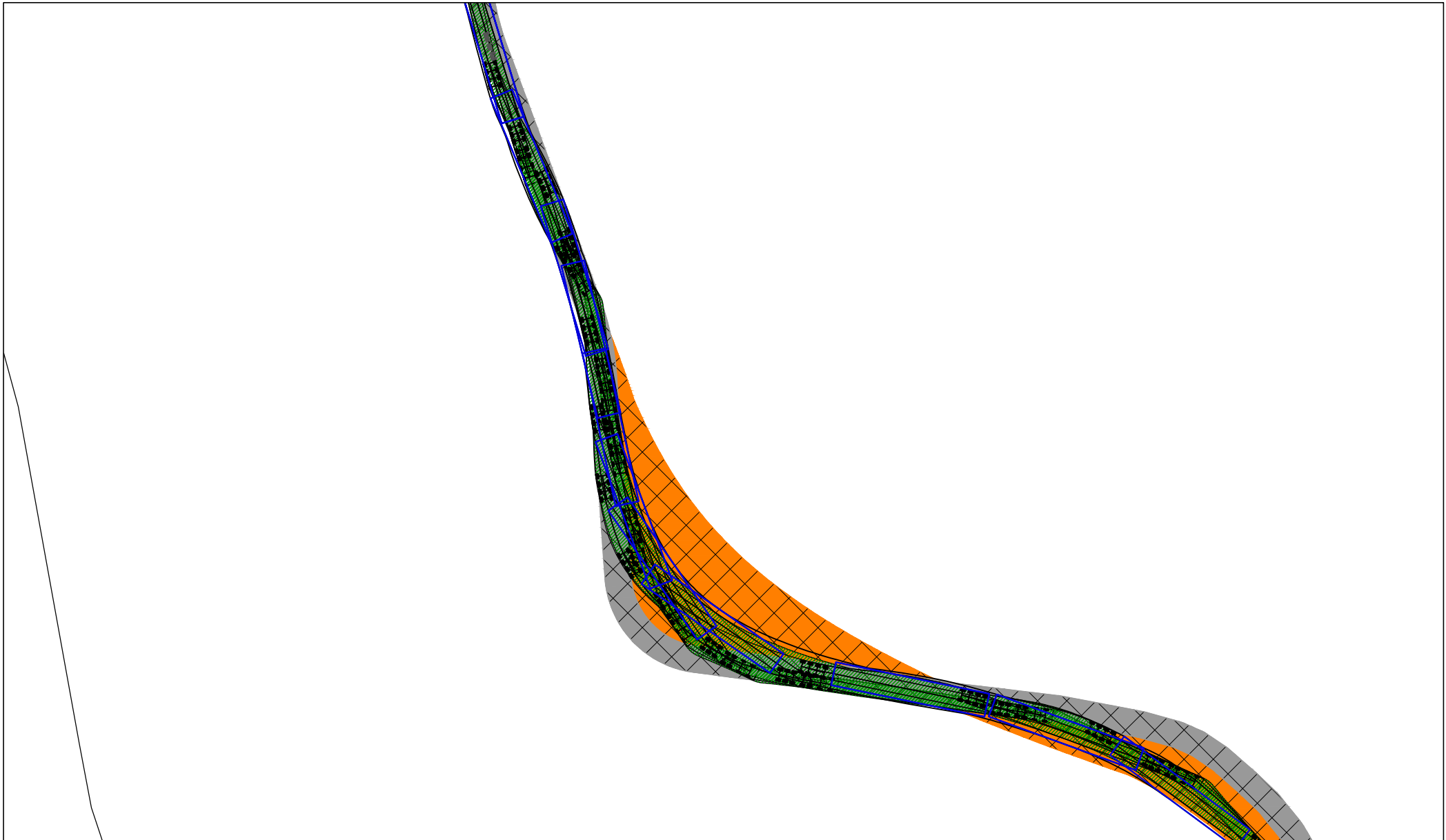


NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.36 Location B6 - Bends on quarry road, blade extended artic

| | | |
|--------------------------------|----------------|--------------|
| PROJECT: Meenbog Wind Farm EIS | | |
| CLIENT: Planree Ltd | SCALE: 1:1000 | |
| PROJECT NO: 6440 | DATE: 03.11.17 | DRAWN BY: AL |

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS

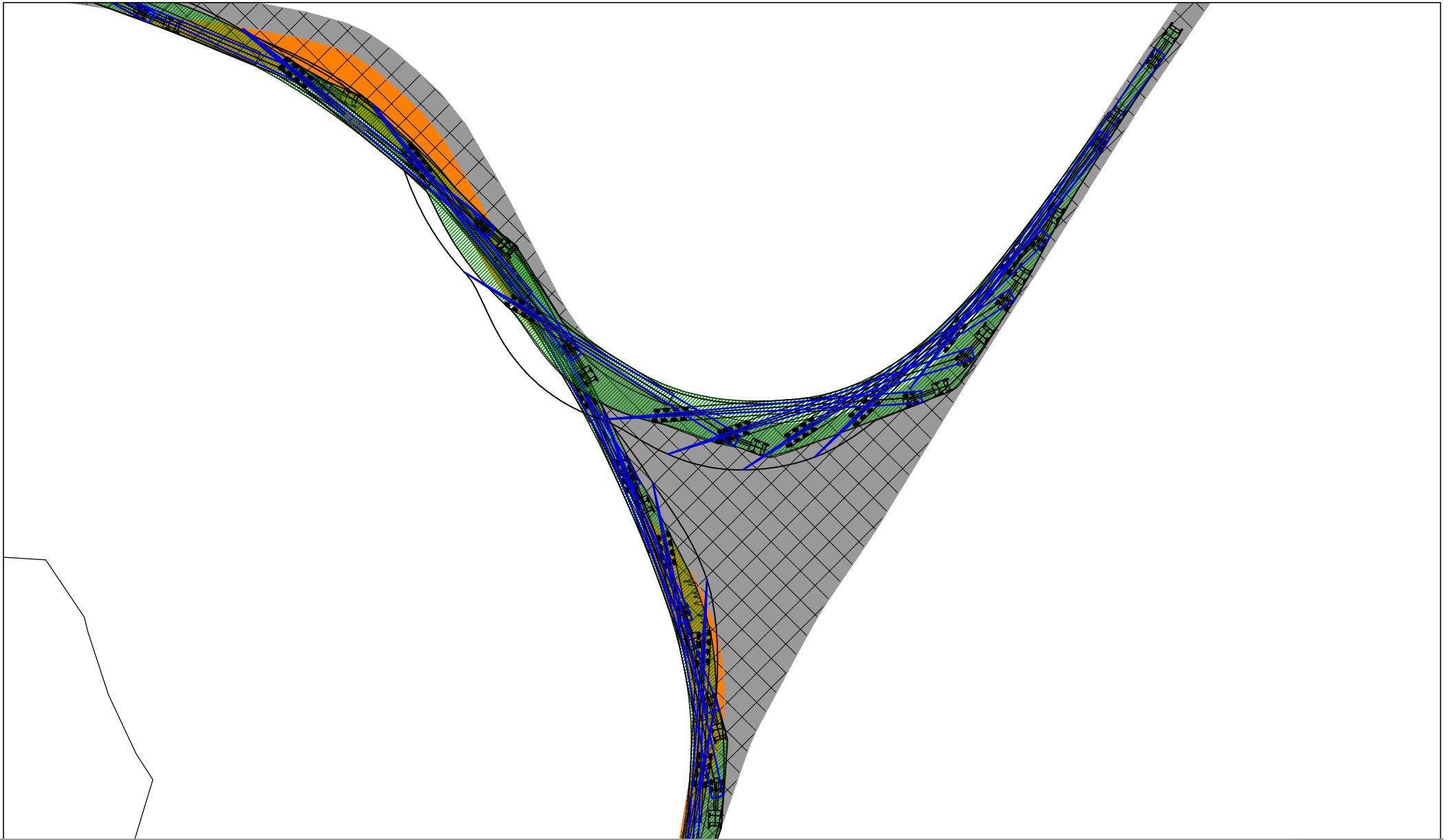


NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.37 Location B6 - Bends on quarry road, tower extended artic

| | | |
|--------------------------------|----------------|--------------|
| PROJECT: Meenbog Wind Farm EIS | | |
| CLIENT: Planree Ltd | SCALE: 1:1000 | |
| PROJECT NO: 6440 | DATE: 03.11.17 | DRAWN BY: AL |

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS

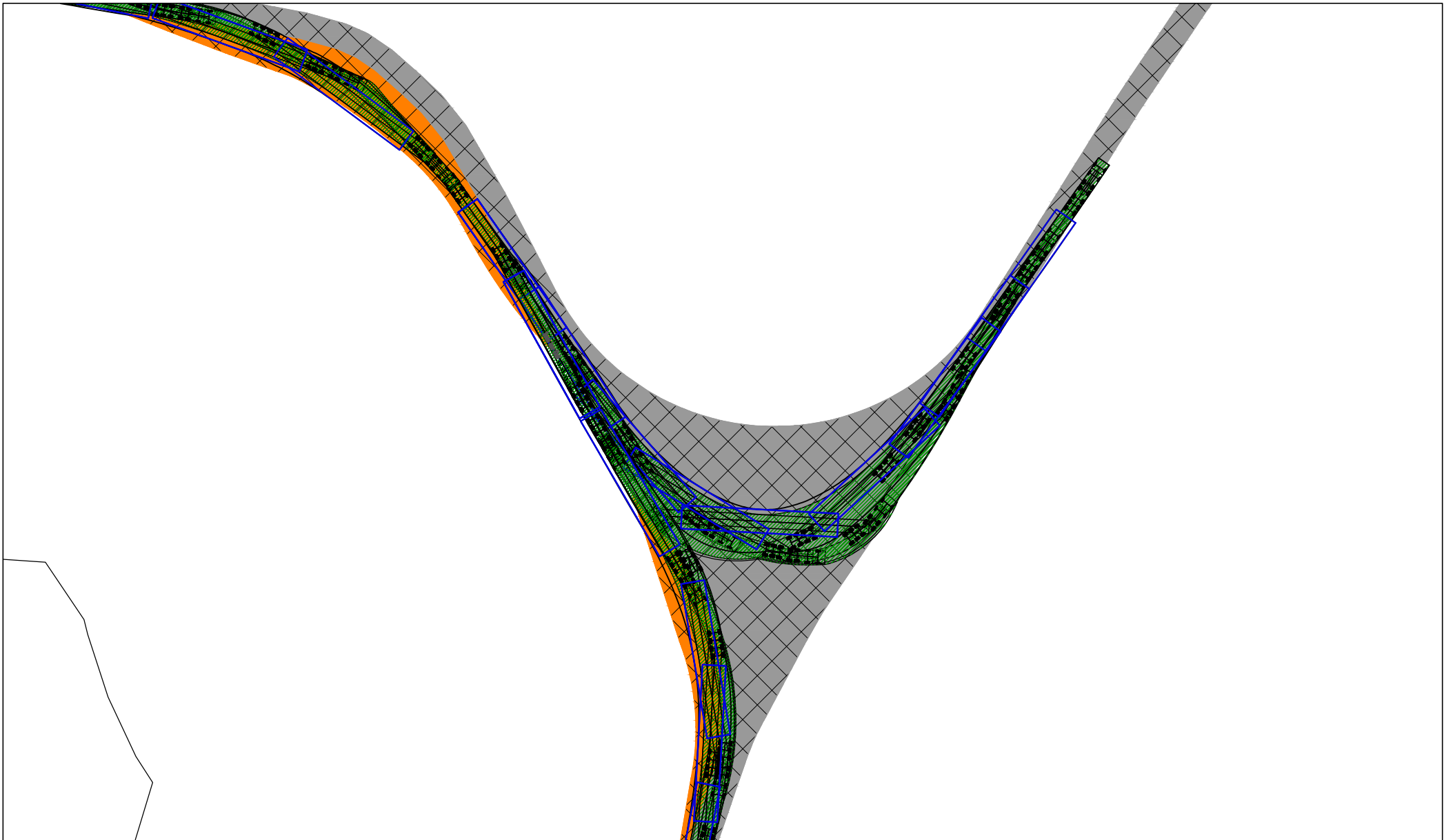


NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.38 Location B7 - Bends on quarry road, blade extended artic

| | | |
|--------------------------------|----------------|--------------|
| PROJECT: Meenbog Wind Farm EIS | | |
| CLIENT: Planree Ltd | SCALE: 1:1000 | |
| PROJECT NO: 6440 | DATE: 03.11.17 | DRAWN BY: AL |

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS

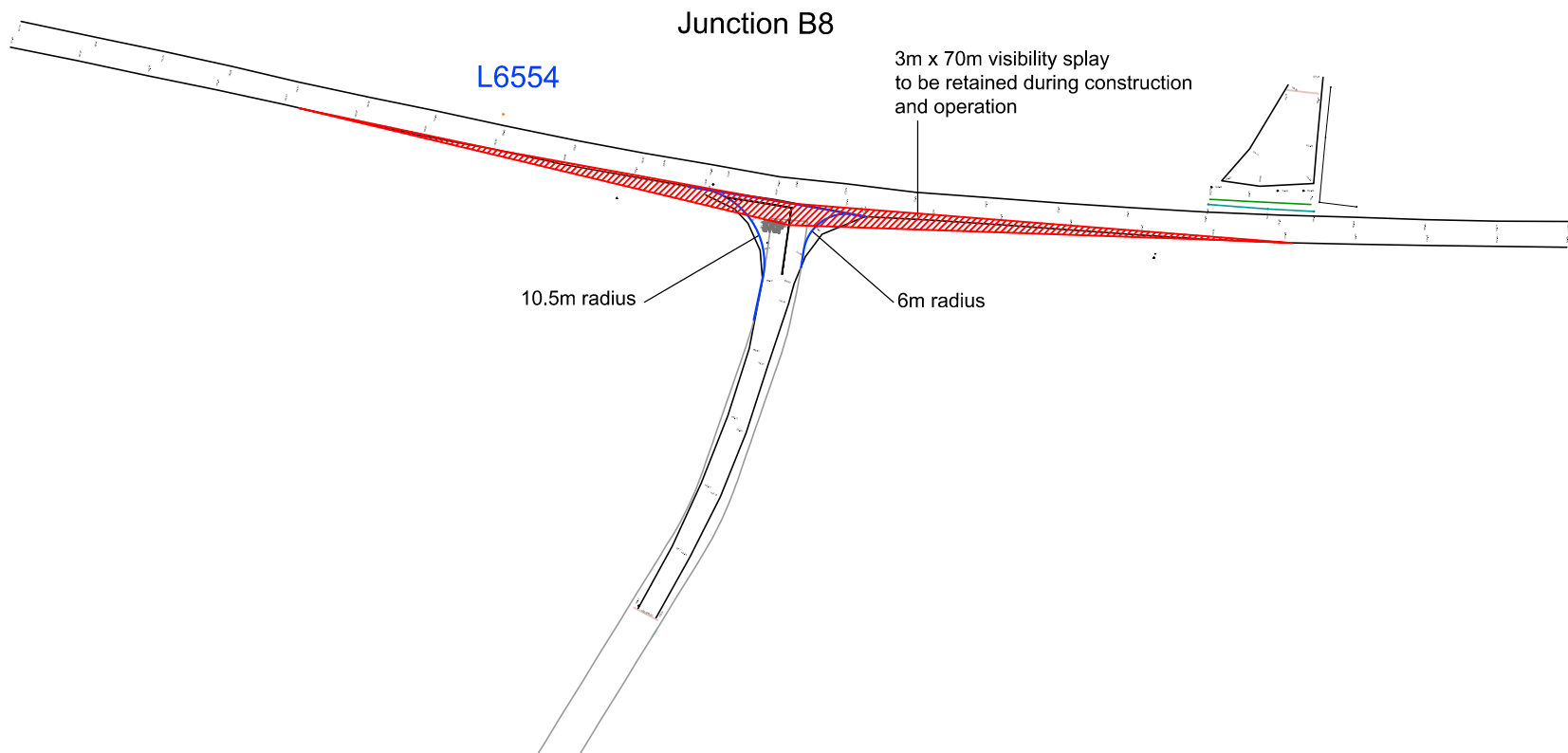


NOTES:
 PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.39 Location B7 - Bends on quarry road, tower extended artic

| | | |
|--------------------------------|----------------|--------------|
| PROJECT: Meenbog Wind Farm EIS | | |
| CLIENT: Planree Ltd | SCALE: 1:1000 | |
| PROJECT NO: 6440 | DATE: 03.11.17 | DRAWN BY: AL |

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:

PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.40 Junction B8 - Delivery exit onto L6554 with visibility splay

PROJECT: Meenbog Wind Farm EIS

CLIENT: Planree Ltd

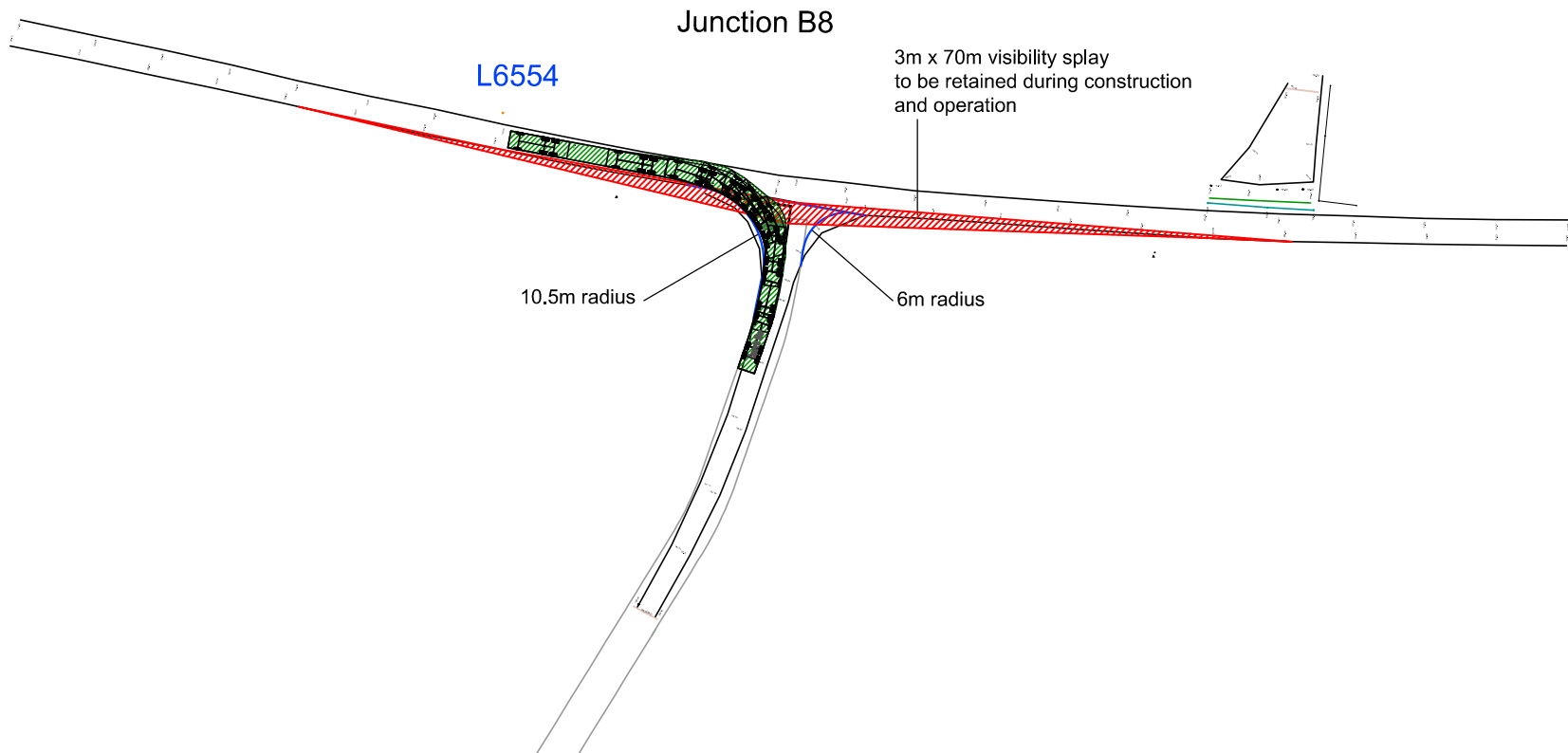
PROJECT NO: 6440

DATE: 28.11.17

SCALE: 1:1000

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



NOTES:

PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.41 Junction B8 - Delivery exit onto L6554, cement mixer

PROJECT: Meenbog Wind Farm EIS

CLIENT: Planree Ltd

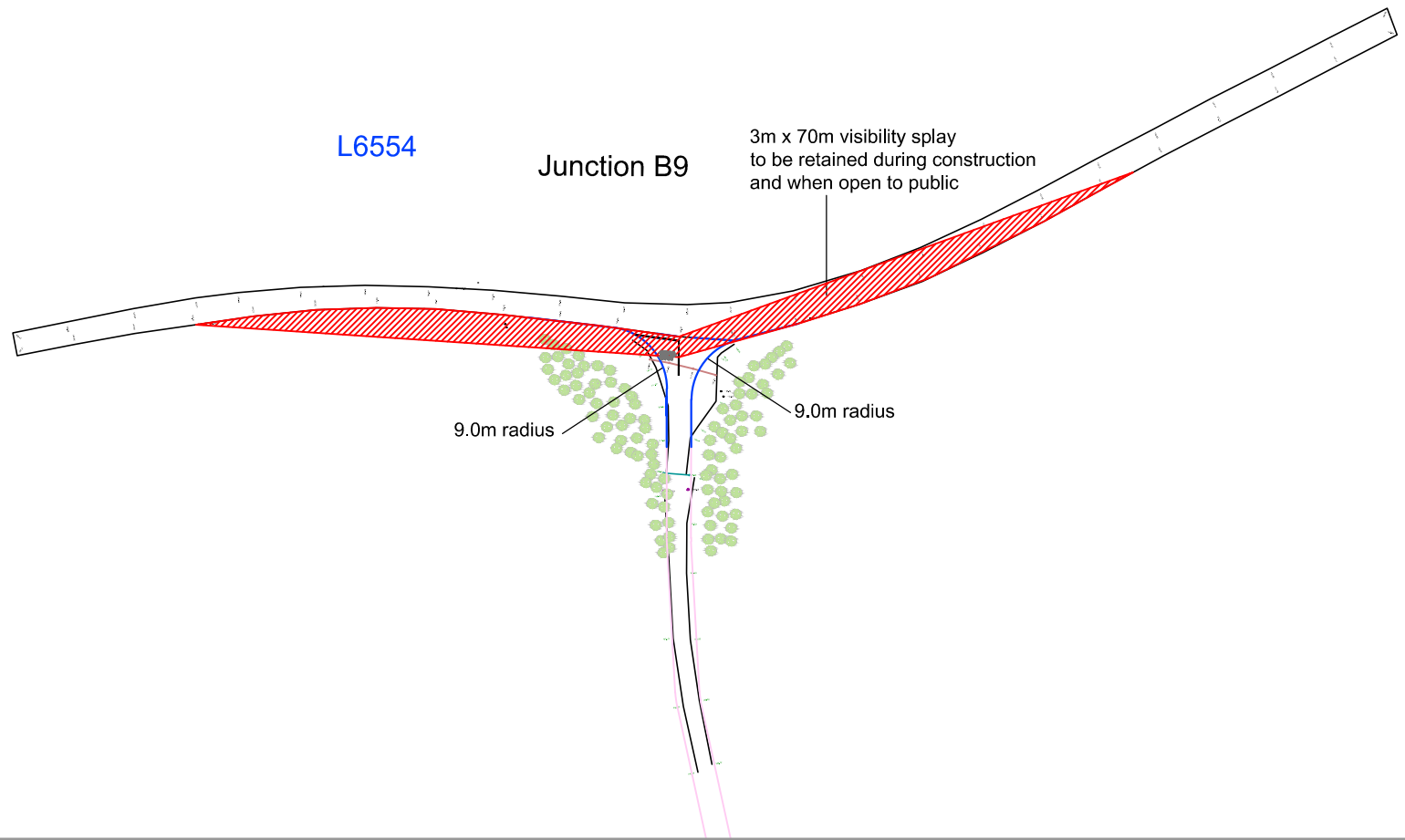
PROJECT NO: 6440

DATE: 28.11.17

SCALE: 1:1000

DRAWN BY: AL

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS



L6554

Junction B9

3m x 70m visibility splay
to be retained during construction
and when open to public

9.0m radius

9.0m radius

NOTES:
PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 14.42 Junction B9 - Recreational access on L6554 with visibility splay

| | | |
|--------------------------------|----------------|--------------|
| PROJECT: Meenbog Wind Farm EIS | | |
| CLIENT: Planree Ltd | SCALE: 1:1000 | |
| PROJECT NO: 6440 | DATE: 28.11.17 | DRAWN BY: AL |

ALAN LIPSCOMBE
TRAFFIC & TRANSPORT CONSULTANTS