

Appendix G

CORRESPONDENCE WITH LLFA/ EA



Still, Kim

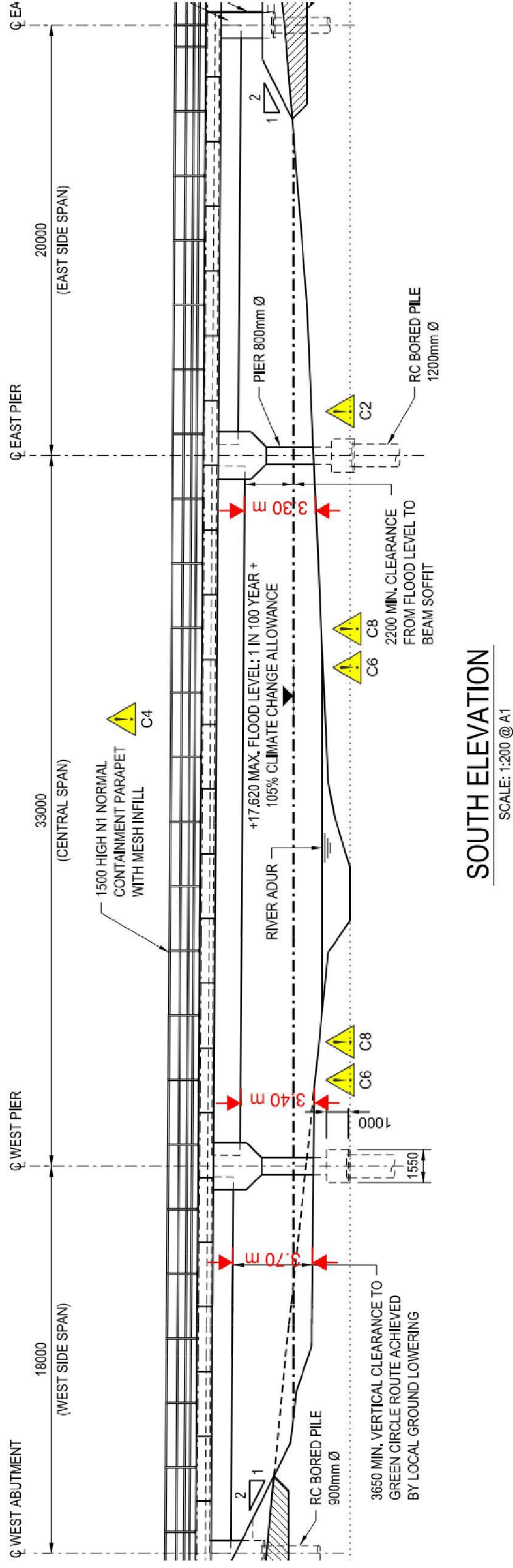
From: Still, Kim
Sent: 08 November 2023 10:11
To: Pohl, Marc
Cc: GB - REI - Burgess Hill-WBLR; David Vince; Teodora Bogdan; Burrows, Andrew
Subject: RE: OC-125 Western Bridge Link Road - Flood Compensation

Tracking:

Recipient	Delivery
Pohl, Marc	
GB - REI - Burgess Hill-WBLR	Delivered: 08/11/2023 10:11
David Vince	
Teodora Bogdan	
Burrows, Andrew	Delivered: 08/11/2023 10:11

Hi Marc

Please find below an extract from the drawing WBLR-WSP-SBR-05-DR-C-0036 to indicate the height clearance under the central span, between 3.40m and 3.30m.



Please could you advise if there is a contact name for discussing proposals for flood risk permits.

Regards



Kim Still
Associate Engineer
BEng CEng MICE

M+ 44 (0)7785 225193

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West Sussex RH19 1UU

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Planned leave – 13th November, 4th and 22nd to 29th December 2023

From: Pohl, Marc <Marc.Pohl@environment-agency.gov.uk>
Sent: Thursday, October 19, 2023 12:33 PM
To: Still, Kim <kim.still@wsp.com>
Cc: GB - REI - Burgess Hill-WBLR <rei.wblr@wsp.com>; David Vince <DVince@jackson-civils.co.uk>; Teodora Bogdan <tbogdan@jackson-civils.co.uk>; Burrows, Andrew <andrew.burrows@wsp.com>
Subject: RE: OC-125 Western Bridge Link Road - Flood Compensation

Hi Kim,

Apologies for the delayed response,

Looking through the document provided we are happy that there will be a betterment with regards to flood plain storage.

8m width for vehicular access and maintenance is sufficient, we should be happy with this.

I notice there is 3.65m vertical clearance from the cycle path to the bridge deck, I assume this is the same for the vehicular access . Can you confirm what the vertical clearance is currently?

Cheers,

Marc Pohl
Partnership and Strategic Overview - West Sussex
Environment Agency | Chichester Office, Oving Road, Chichester, West Sussex, PO20 2AG
Tel: 08708 506506

marc.pohl@environment-agency.gov.uk
Mobile: 07585998803



From: Still, Kim <kim.still@wsp.com>
Sent: 12 October 2023 09:24
To: Pohl, Marc <Marc.Pohl@environment-agency.gov.uk>
Cc: GB - REI - Burgess Hill-WBLR <rei.wblr@wsp.com>; David Vince <DVince@jackson-civils.co.uk>; Teodora Bogdan <tbogdan@jackson-civils.co.uk>; Burrows, Andrew <andrew.burrows@wsp.com>
Subject: RE: OC-125 Western Bridge Link Road - Flood Compensation

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Hi Marc

Following on from the email below, just enquiring if you have been able to review and have any comments please.

Regards



Kim Still
Associate Engineer
BEEng CEng MICE

M+ 44 (0)7785 225193

WSP in the UK
Wood Street
East Grinstead
West Sussex RH19 1JU



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Planned leave – 25th September to 6th October 2023

From: Still, Kim

Sent: Wednesday, September 6, 2023 12:50 PM

To: Pohl, Marc <Marc.Pohl@environment-agency.gov.uk>

Cc: GB - REI - Burgess Hill-WBLR <rei.wblr@wsp.com>; David Vince <DVince@jackson-civils.co.uk>; Teodora Bogdan <tbogdan@jackson-civils.co.uk>; Burrows, Andrew <andrew.burrows@wsp.com>

Subject: OC-125 Western Bridge Link Road - Flood Compensation

Hi Marc

Thank you for your email response.

In response to the item about the flood compensation, we have prepared the attached technical note (WBLR-WSP-HGN-04-AN-C-0151 S3-P01) to outline the volume loss and an indication of the additional flood plain compensation.

Please would you advise if this is acceptable.

We also have a query about the access beneath the bridge, if the EA has any specific requirements other than an 8m wide clear access to enable maintenance vehicles to pass.

Regards



Kim Still
Associate Engineer
BEEng CEng MICE

M+ 44 (0)7785 225193

WSP in the UK
Wood Street
East Grinstead
West Sussex RH19 1JU

Planned leave – 25th September to 6th October 2023

From: Pohl, Marc <Marc.Pohl@environment-agency.gov.uk>
Sent: 28 June 2023 11:40
To: Still, Kim <kim.still@wsp.com>
Subject: Western Bridge Link Road

Hi Kim,

Thank you for getting in contact with us regarding the Bridge at Burgess Hill.

After reviewing the proposed design, we are happy that the current modelling is acceptable providing that the flood plain cross section remains the same. If the bridge redesign has changed the earthworks along the edge of the flood plain, then this will need to be remodelled.

We do not think that the extra column will have a significant effect on the river flows however you are correct in thinking that some additional flood plain compensation in will be required.

Best regards,

Marc Pohl
Partnership and Strategic Overview - West Sussex
Environment Agency | Chichester Office, Oving Road, Chichester, West Sussex, PO20 2AG
Tel: 08708 506506

marc.pohl@environment-agency.gov.uk



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Still, Kim

From: Still, Kim
Sent: 22 September 2023 18:53
To: Kevin Macknay
Cc: GB - REI - Burgess Hill-WBLR; Stephen Gee; David Vince; Teodora Bogdan; Burrows, Andrew
Subject: RE: WBLR - Phase 2 Drainage

Tracking:
Recipient
Kevin Macknay
GB - REI - Burgess Hill-WBLR
Stephen Gee
David Vince
Teodora Bogdan
Burrows, Andrew

Delivery
Delivered: 22/09/2023 18:53

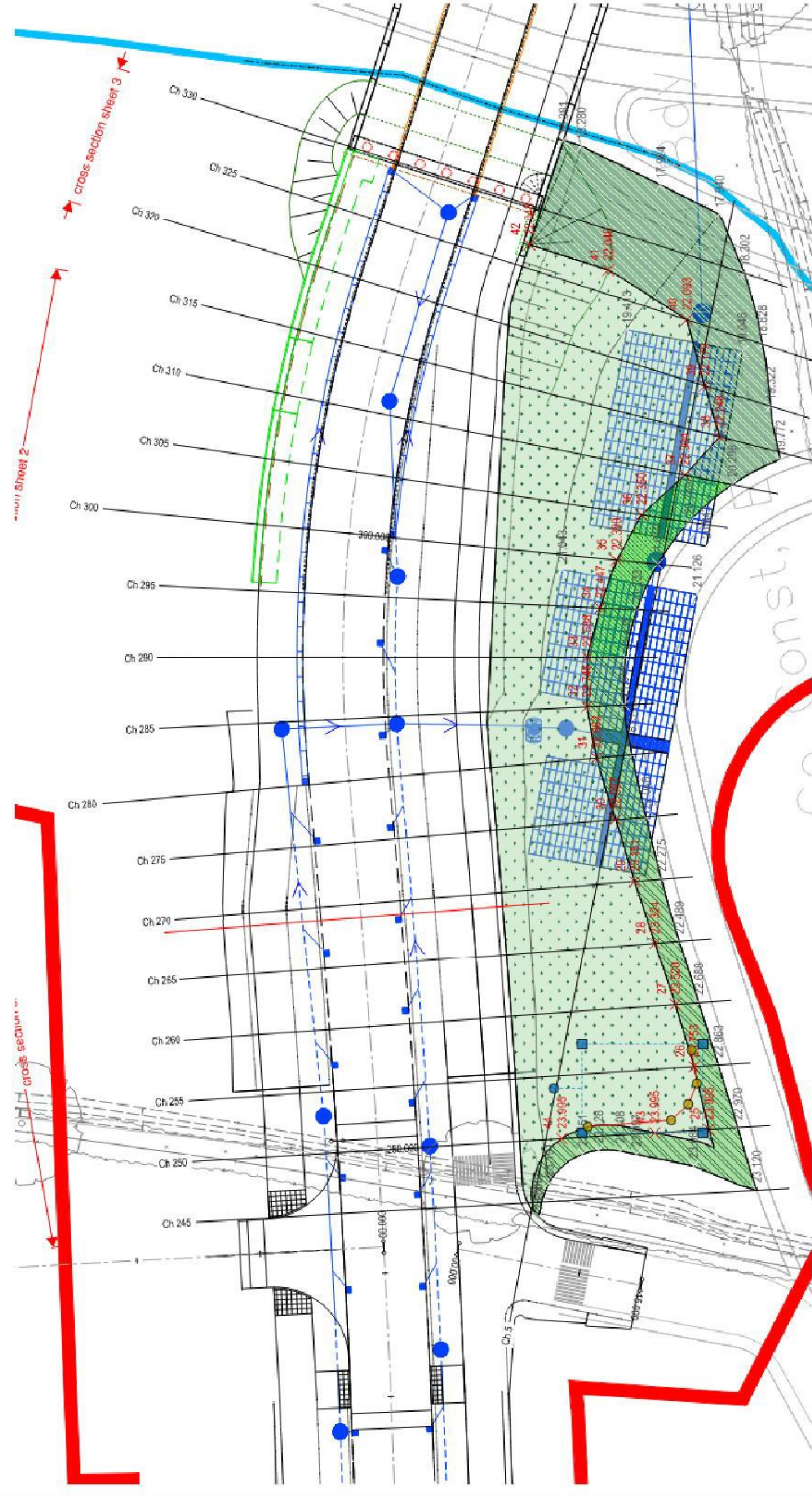
Delivered: 22/09/2023 18:53

Hello Kevin

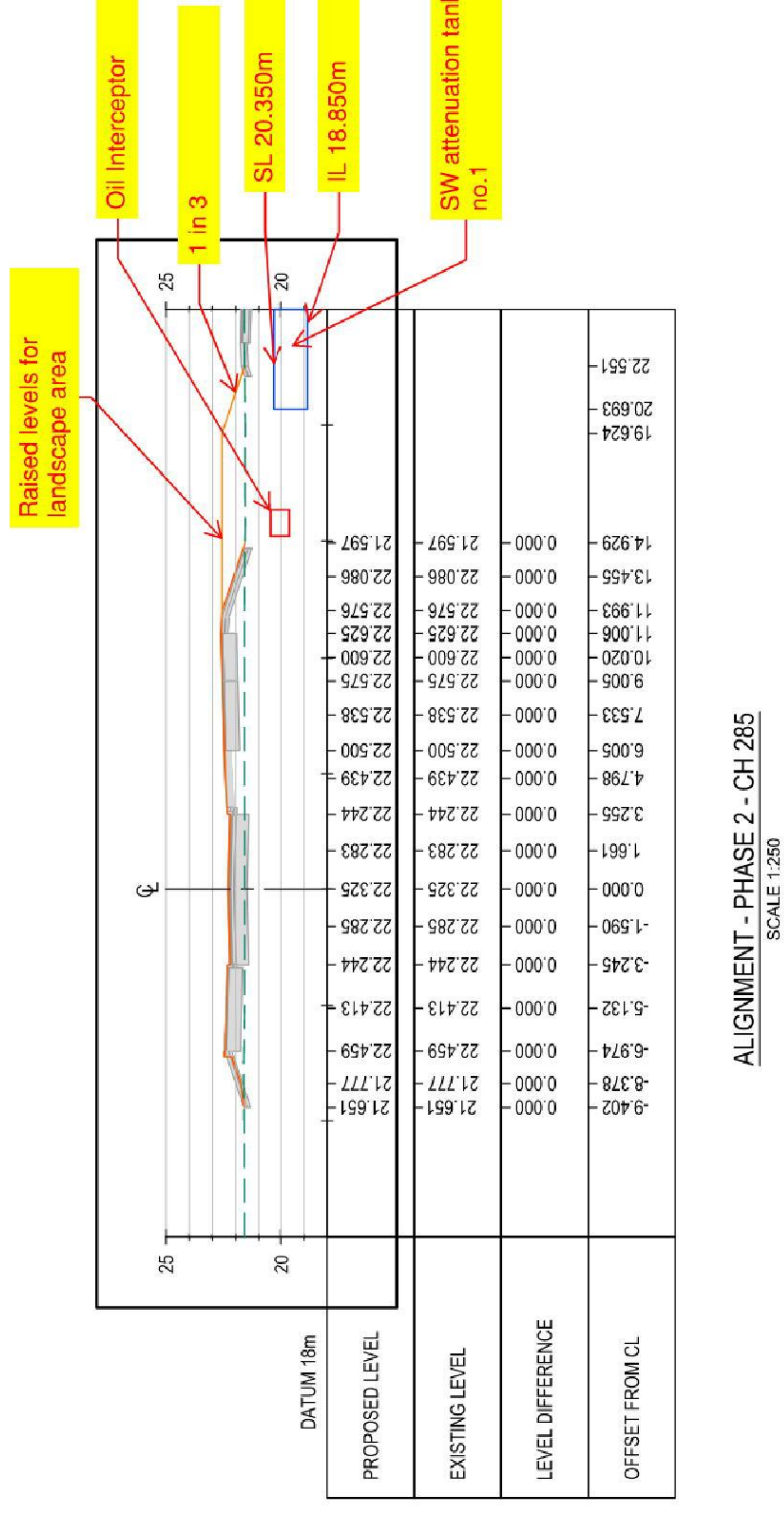
We clarify as follows:

- The tank and oil interceptor are outside of the structural earthworks.
 - On the SW corner of the bridge the levels are to be raised to provide a landscape platform. Therefore the cover levels to the oil interceptor is similar to the adjacent footway/ cycleway. The cross section below outlines the proposals.
 - On the NE corner the cover level of the oil interceptor is approx. 300mm lower than the adjacent shared footway/ cycleway as shown in the image below overlay with the EGL contours.

Plan SW corner



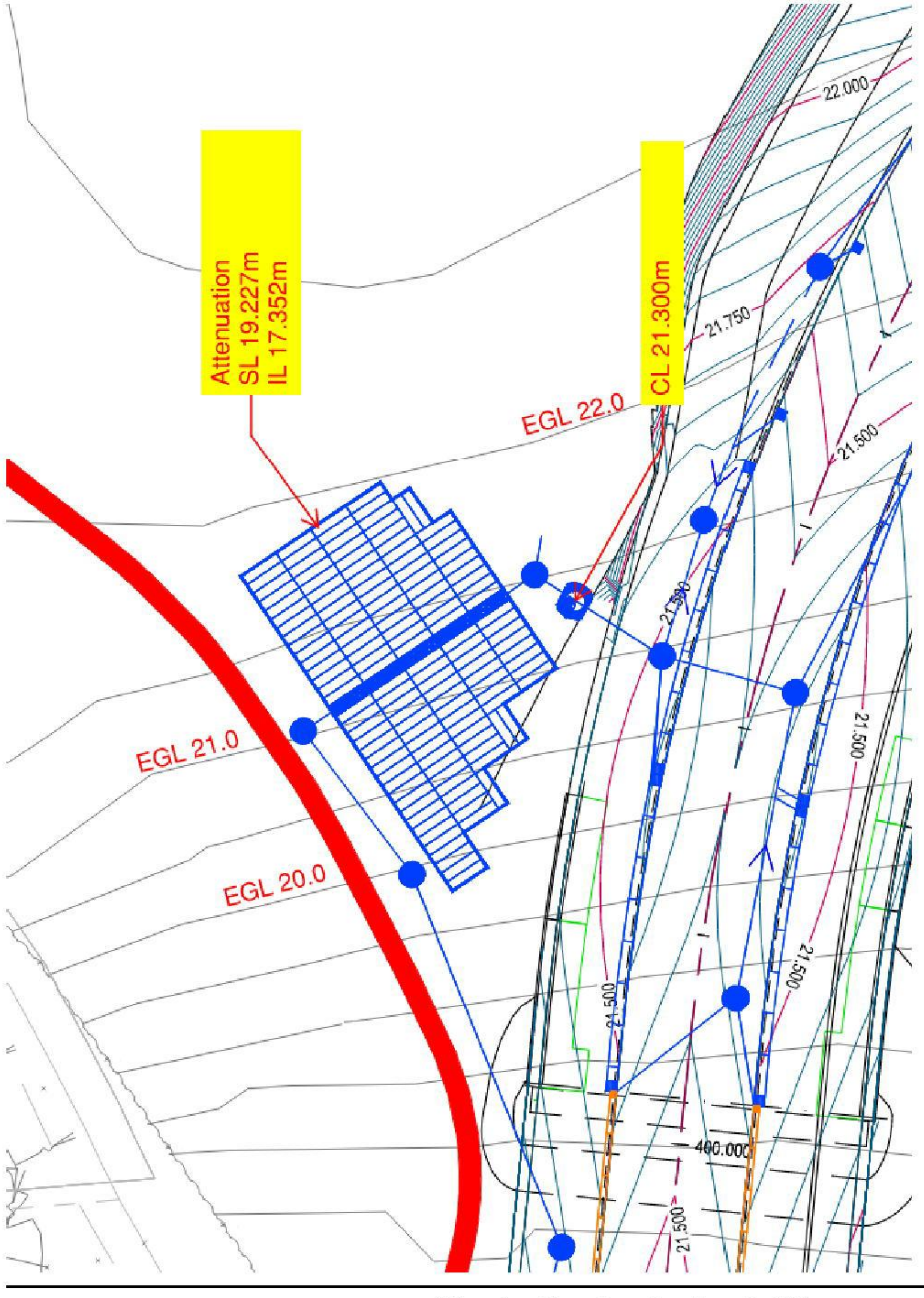
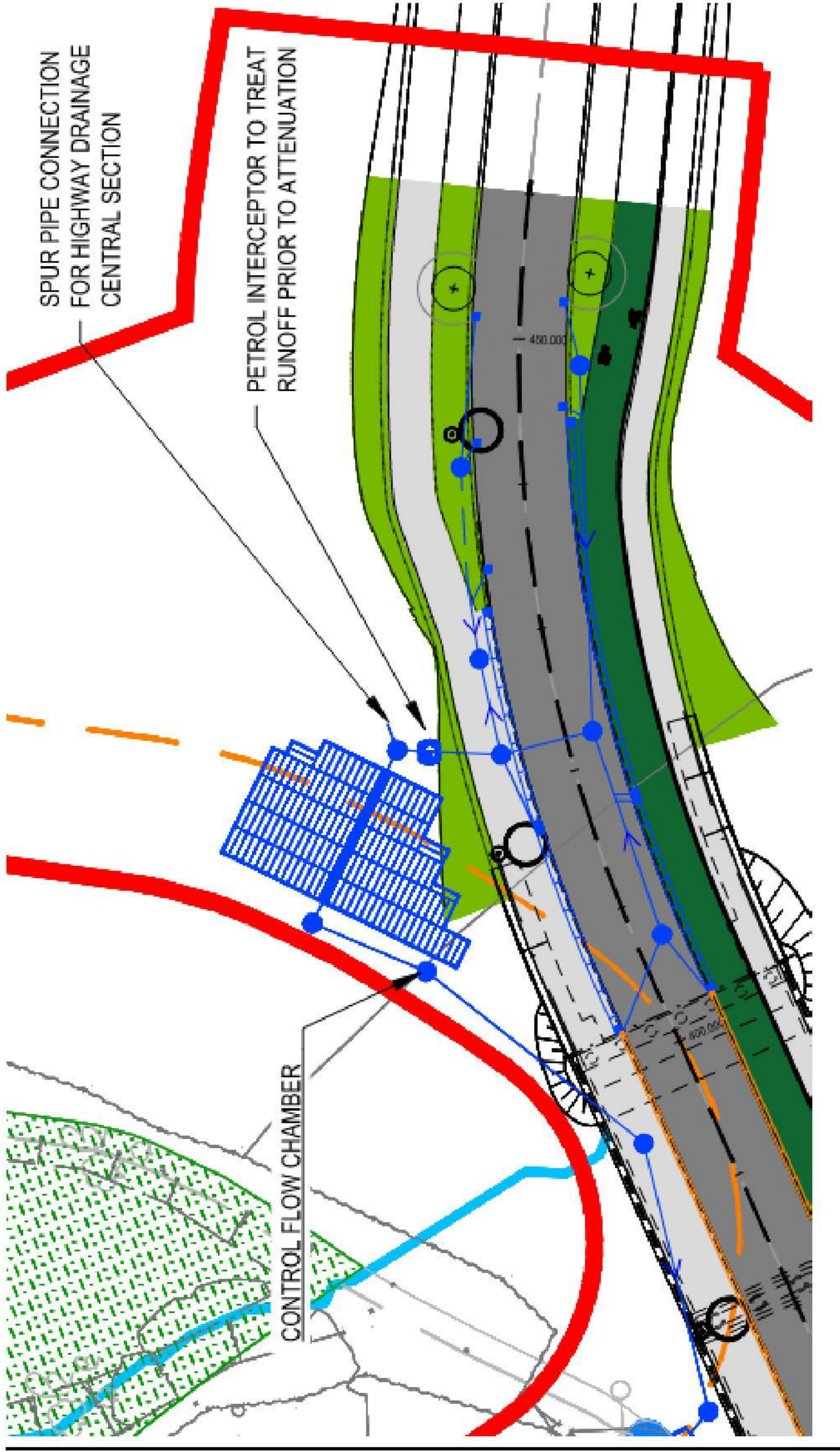
South west side Section Ch 285



ALIGNMENT - PHASE 2 - CH 285
SCALE 1:250

Plan NE corner

The cover level of the oil interceptor is approx. 300mm lower than the adjacent shared footway/ cycleway.



- Part of the maintenance strategy to access the oil interceptor/ control chamber, if a vehicle is parked on the road any hoses will cross the segregated/ shared routes. This is an infrequent activity and there can be a temp diversion to other side of road with the shared access. Or use the bridleway for the maintenance access for the SW corner. This has been recorded in the designer's risk assessment.

Regards



Kim Still
Associate Engineer
BEng CEng MICE

M+ 44 (0)7785 225193

WSP in the UK
Wood Street
East Grinstead
West Sussex RH19 1JU



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Planned leave – 25th September to 6th October 2023

From: Kevin Macknay <kevin.macknay@westsussex.gov.uk>
Sent: 19 September 2023 16:12
To: Still, Kim <kim.still@wsp.com>

Cc: GB - REI - Burgess Hill-WBLR <rei.wblr@wsp.com>; Stephen Gee <Stephen.Gee@westsussex.gov.uk>; David Vince <DVince@jackson-civils.co.uk>; Teodora Bogdan <tbogdan@jackson-civils.co.uk>; Burrows, Andrew <andrew.burrows@wsp.com>
Subject: RE: WBLR - Phase 2 Drainage

Kim,

Thanks for your email. Can you confirm the following:

- The attenuation areas / oil interceptors appear to be at the bottom of embankments. Can you confirm the height from the road to the attenuation areas / oil interceptors for both the east and west sides.
- I note you state 'Infrequent maintenance/cleaning of the oil interceptors is anticipated to be carried out from the carriageway'. Can you confirm that this method of maintenance has been considered within the scheme safety audit, as it will involve equipment crossing the footway / cycleway.

Regards,

Kevin

Kevin Macknay
Drainage and Flooding Lead Professional
Highways, Transport and Planning
Place Services
West Sussex County Council



Location: West Sussex County Council, 1st Floor, Northleigh, County Hall, Chichester PO19 1RQ

Contact: Internal: 26429 | External: +44 (0)330 222 6429 | Mobile: +44 (0)7540 641819

E-mail: kevin.macknay@westsussex.gov.uk

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From: Still, Kim <kim.still@wsp.com>

Sent: 19 September 2023 14:43

To: Kevin Macknay <kevin.macknay@westsussex.gov.uk>

Cc: GB - REI - Burgess Hill-WBLR <rei.wblr@wsp.com>; Stephen Gee <Stephen.Gee@westsussex.gov.uk>; David Vince <DVince@jackson-civils.co.uk>; Teodora Bogdan <tbogdan@jackson-civils.co.uk>; Burrows, Andrew <andrew.burrows@wsp.com>

Subject: WBLR - Phase 2 Drainage

****EXTERNAL****

Hello Kevin

Following the previous email correspondences, please find attached the latest drainage layout drawing (WBLR-WSP-HPN-04-DR-C-0025 S0-P03) for planning purpose.

Also attached is the drainage details and cross section drawing WBLR-CAP-HDG-04-SK-0349 S2-P01 WIP.

We highlight the following items and design criteria currently used:

- Drainage criteria for verges at 80% imp and CV =1.0
- Gully spacing based on a flow width of 0.75m
- Maintenance access to the attenuation on the west side of the river would be from the NMU track, the NMU track will cross the attenuation plan areas. A min of 750mm cover to the top of the tank is required for HGV loading, which is provided as per the manufacture's requirements. This will allow for a maintenance vehicle and the bridleway crossing the tanks.
- Maintenance access to the eastern tank will ultimately be form the adjacent development but details are not currently available.
- Infrequent maintenance/cleaning of the oil interceptors is anticipated to be carried out from the carriageway. The road is a 30mph housing estate distributor so traffic management requirements would be minor
- Propose to use the SDS Geolight for the attenuation tanks (product details attached).
- The landscape proposal is to extend the earthworks in the SW corner of the bridge which is indicated by the green dashed lines. The bridleway will be constructed at a later stage along side the landscape area.
- The Phase 3 (Super Green Highway) catchment will not be connecting to the phase 2 drainage network.

We propose to issue this drainage scheme for planning, unless we hear otherwise.

Regards



Kim Still
Associate Engineer
BEng CEng MICE

M+ 44 (0)7785 225193

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Wood Street
East Grinstead
West Sussex RH19 1UU

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Planned leave – 25th September to 6th October 2023

From: Stephen Gee <Stephen.Gee@westsussex.gov.uk>

Sent: 20 March 2023 10:17

To: Kevin Macknay <kevin.macknay@westsussex.gov.uk>

Cc: SMB-Burgess Hill-WBLR <WBLR@capita.com>; David Vince <DVince@jackson-civils.co.uk>; Henry Moyo <henry.moyo@westsussex.gov.uk>; Burrows, Andrew (WSP) <Andrew.Burrows@capita.com>

Subject: FW: WBLR - Phase 2 Drainage

Kevin,

Following on from a meeting last week on the Link road, a few questions require drainage input – I've copied one of the earlier drawings provided which shows the drainage tanks and their proximity to the proposed bridge

Maintenance to drainage tanks near bridge. (how much width is required) where would access be need from (e.g roadside on the bridge?)

Drainage of green circle shared use (not highway) into the highway drains? – advised unlikely to be acceptable.

Any problems with green circle route under the bridge going over storage tanks? – applicant said to be able to take a vehicle/horse weight.

Are you able to assist.

Thanks

Stephen

From: Stephen Gee

Sent: 06 January 2023 15:50

To: Kevin Macknay <kevin.macknay@westsussex.gov.uk>

Subject: FW: WBLR - Phase 2 Drainage

Kevin,

Are you able to provide advice to WSP.

Thanks

Stephen

From: Still, Kim (WSP) <Kim.Still@capita.com>
Sent: 06 January 2023 10:22
To: Stephen Gee <Stephen.Gee@westsussex.gov.uk>
Cc: SMB-Burgess Hill-WBLR <WBLR@capita.com>; David Vince <DVince@jackson-civils.co.uk>; Henry Moyo <henry.moyo@westsussex.gov.uk>; Burrows, Andrew (WSP) <Andrew.Burrows@capita.com>
Subject: FW: WBLR - Phase 2 Drainage

****EXTERNAL****

Hello Stephen

We have been advised by Henry to forward on our initial emails to Kevin Macknay, which set out the drainage proposal for Western Bridge and Link Road – Phase 2.

Please could you assist with liaising with Kevin to establish if the drainage criteria/ principles listed in the email below would be accepted by WSCC.

Regards



Kim Still
Associate Engineer
BEng CEng MICE

M+ 44 (0)7785 225193

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From: Still, Kim (WSP)
Sent: 07 December 2022 16:14
To: Kevin Macknay <kevin.macknay@westsussex.gov.uk>
Cc: SMB-Burgess Hill-WBLR <WBLR@capita.com>; David Vince <DVince@jackson-civils.co.uk>; Louise.Yandell@midssussex.gov.uk; natalie.james@midssussex.gov.uk; henry.moyo@westsussex.gov.uk; Burrows, Andrew (WSP) <Andrew.Burrows@capita.com>
Subject: RE: WBLR - Phase 2 Drainage

Hello Kevin

Just following up on the email below, if you have had a chance to review the initial drainage proposal and if we need to arrange a short meeting to discuss.

Regards

Kim Still



Associate Engineer
BEng CEng MICE

M+ 44 (0)7785 225193

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From: Still, Kim (WSP)

Sent: 15 November 2022 10:47

To: Kevin Macknay <kevin.macknay@westsussex.gov.uk>

Cc: SMB-Burgess Hill-WBLR <WBLR@capita.com>; David Vince <DVince@jackson-civils.co.uk>; Louise.Yandell@midssussex.gov.uk; natalie.james@midssussex.gov.uk; henry.moyo@westsussex.gov.uk; Burrows, Andrew (WSP)

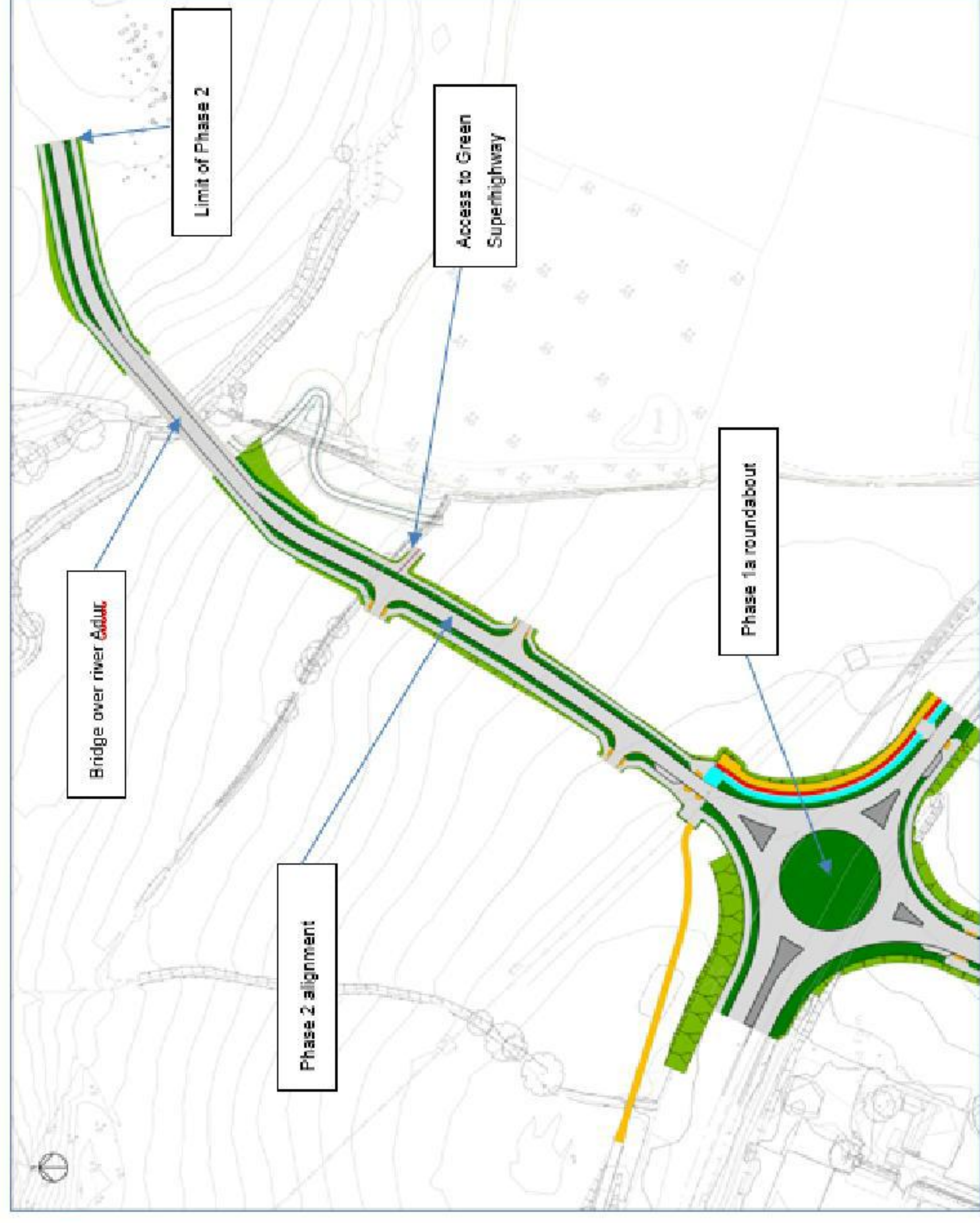
<Andrew.Burrows@capita.com>

Subject: WBLR - Phase 2 Drainage

Hello Kevin

With reference to the Western Bridge and Link Road – Phase 2, we are in the process of preparing a Reserved Matters Planning Application and MSDC/WSCC planning teams have asked that we contact you to obtain your initial thoughts on the proposed drainage. We'd be happy to have a short meeting and talk you through the scheme but attached and below is a brief outline and our current proposals.

Phase 2 of the scheme leads to the northeast of the Phase 1a roundabout (with the A2300) for a distance of approximately 450m. The alignment comprises a 6.5m wide single carriageway with 2.75m wide verges, a 3.0m wide shared footway/cycleway on both sides.



Please find attached a copy of drawing WBLR-CAP-HDG-04-DR-C-0225 rev P0.1 WIP which indicates the phase 2 drainage layout and if the drainage criteria/ principles listed below would be accepted by WSCC:

- Drainage criteria for verges at 80% imp and CV =1.0
- Gully spacing based on a flow width of 0.75m
- Maintenance access to the attenuation on the west side of the river would be from the NMU track, the NMU track will cross the attenuation plan areas
- Maintenance access to the eastern tank will ultimately be from the adjacent development but details are not currently available.
- The phase 2 attenuation tanks would be sized to accommodate the Phase 3 (Super Green Highway) catchment, as indicated on the insert of the attached plan.
- Propose to use the SDS Geolight for the attenuation tanks (product details attached)

Regards



Kim Still
Associate Engineer
BEng CEng MICE

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-LAEmHhHdzuzBITWfaHga7pbkI

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