

Design Summary Document Appendix A dwg 0508 to 0510 - Highway Drainage

0508 - Highway Drainage

0509 - Highway Drainage

0510 - Highway Drainage

0511 - Highway Drainage

0512 - Highway Drainage

0513 - Highway Drainage

0514 - Highway Drainage

0515 - Highway Drainage

0516 - Highway Drainage

0517 - Highway Drainage

0518 - Highway Drainage

0519 - Highway Drainage

0520 - Highway Drainage

0521 - Highway Drainage

0522 - Highway Drainage

0523 - Highway Drainage

0524 - Highway Drainage

0525 - Highway Drainage

0526 - Highway Drainage

0527 - Highway Drainage

0528 - Highway Drainage

0529 - Highway Drainage

0530 - Highway Drainage

0531 - Highway Drainage

0532 - Highway Drainage

0533 - Highway Drainage

0534 - Highway Drainage

0535 - Highway Drainage

0536 - Highway Drainage

0537 - Highway Drainage

0538 - Highway Drainage

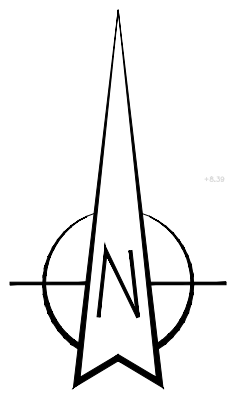
0539 - Highway Drainage

0540 - Highway Drainage

0541 - Highway Drainage

0542 - Highway Drainage

0543 - Highway Drainage



For Continuation refer to drawing
BEW-PF-GEN-XX-DR-C-0507

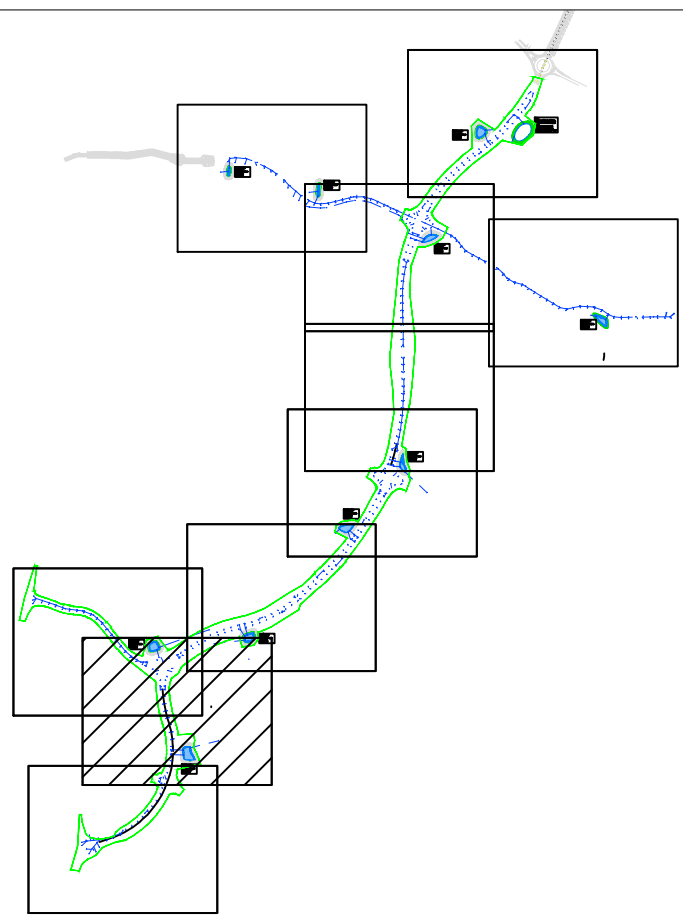
CATCHMENT 8 BASIN

100 YR + 40% CC
DISCHARGE RATE = 3.7 l/s
AREA = 1183m²
VOLUME = 746m³
BASIN SIDES: 1:5

DISCHARGE RATE = 3.5 l/s
AREA = 1132m²
VOLUME = 712m³
BASIN SIDES: 1:5

NOTES:

- Where the Contractor undertakes or engages a third party to undertake temporary works design, or varies the Pell Frischmann design in any way, then the Contractor will take full responsibility and liability for all design aspects, including a Design Risk Assessment. The Contractor shall inform Pell Frischmann of any proposed variances to the design.
- This drawing shall be read in conjunction with all other Electrical, Mechanical, Public Health & Architectural Drawings & The Specification.
- Topographical information was provided by 3D Engineering Surveys and Pell Frischmann will not be held liable for any inaccuracies.
- Barham Road Roundabout and Northern Link Road designed by WSP, Pell Frischmann will not be held liable for any inaccuracies contained within this section.
- Partial Western Link Road designed by CALA, Pell Frischmann will not be held liable for any inaccuracies contained within this section.



Location Plan

PROPOSED DRAINAGE KEY:

- PROPOSED SURFACE WATER HIGHWAY SEWER
- PROPOSED SURFACE WATER HIGHWAY GULLY
- PROPOSED HIGHWAY SWALE
- PROPOSED HEADWALL
- PROPOSED BALANCING POND
- DEFINES HIGHWAY CATCHMENT AREA SPLIT FOR RUNOFF

P08	Client name updated	HJ	DAR	DAR	13.01.22
P09	Client and project name updated	HJ	DAR	DAR	12.11.21
P10	Client and project name updated	HJ	YL	DAR	04/10/21
P11	Updated highway alignment	HJ	YL	DAR	27/09/21
P12	Drainage updated	HJ	YL	DAR	06/07/21
P13	Drainage amended	HJ	YL	DAR	02/06/21
P14	Additional drainage added	YL	RH	DAR	10/05/21
P15	Preliminary Issue	YL	RH	DAR	06/05/21

REV	DESCRIPTION	DRN	CHK	APP	DATE
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Email: pfrischmann@pellfrischmann.com
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Client

C.C Projects

Project

BEW Parcel SC1

Drawing Title

Highway Drainage
Layout
(Sheet 8 of 10)

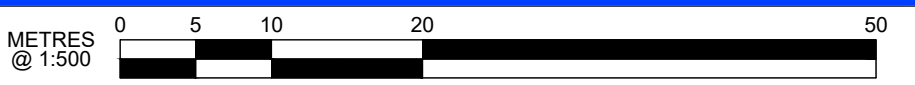
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Designed	YL	MAY 21	File No.	A13394-PEF-GEN-XX-DR-C-0501 - 0510 P0 Highway
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Checked	RH	MAY 21	Drawing Status	Preliminary
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Approved	DAR	MAY 21	Revision	P8
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Drawing No.	A13394-PEF-ZZ-XX-DR-CD-0508
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CATCHMENT 9 BASIN

100 YR + 40% CC
DISCHARGE RATE = 6.3 l/s
AREA = 1335m²
VOLUME = 1044m³
BASIN SIDES: 1:3

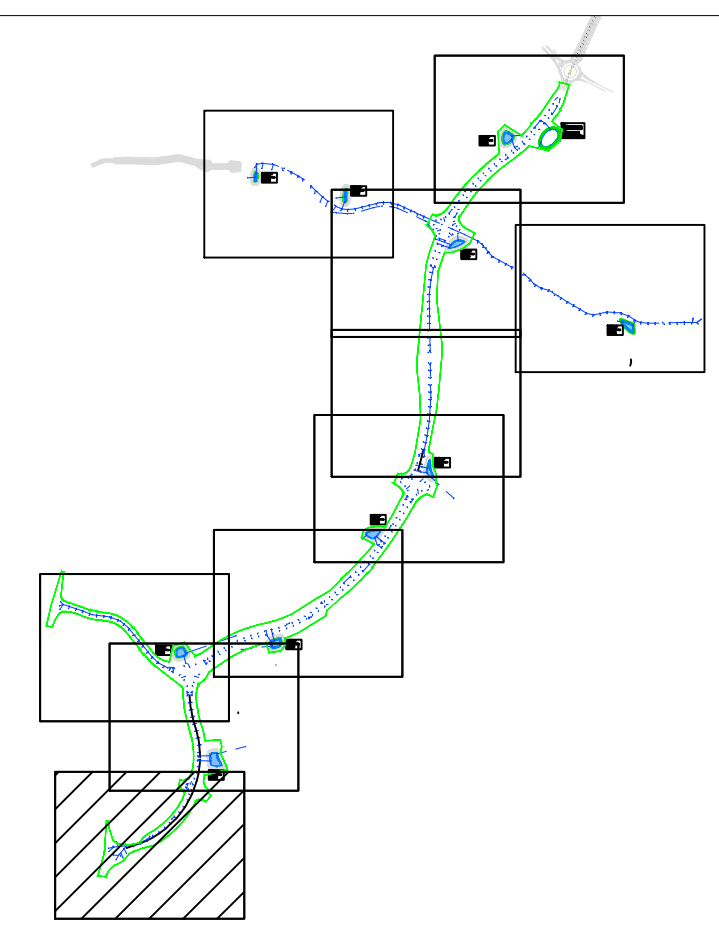
For Continuation refer to drawing
BEW-PF-GEN-XX-DR-C-0509



For Continuation refer to drawing
BEW-PP-GEN-XS-DR-C-001

100 YS + 40% CC
DISCHARGE RATE = 6.3 l/s
AREA = 1335m²
VOLUME = 1044m³
BASIN SIDES: 1:3

- NOTES:**
1. Where the Contractor undertakes or engages a third party to undertake temporary works design, or varies the Pet Frischmann design in any way, then the Contractor will take full responsibility and liability for all design aspects, including a Design Risk Assessment. The Contractor shall inform Pet Frischmann of any proposed variations to the design.
 2. The drawing shall be read in conjunction with all other Electrical, Mechanical, Public Health & Architectural Drawings & The Specification.
 3. Topographical Information was provided by 3D Engineering Surveys and Pet Frischmann will not be held liable for any inaccuracies.
 4. Barnham Road Roundabout and Northern Link Road designed by WSP, Pet Frischmann will not be held liable for any inaccuracies contained within this section
 5. Pattenhoe Link Road designed by CALA, Pet Frischmann will not be held liable for any inaccuracies contained within this section



Location Plan

PROPOSED DRAINAGE KEY:

- | | |
|---|--------------------------------------|
|  | PROPOSED SURFACE WATER HIGHWAY SEWER |
|  | PROPOSED SURFACE WATER HIGHWAY GULLY |
|  | PROPOSED HIGHWAY SWALE |
|  | PROPOSED HEADWALL |
|  | PROPOSED BALANCING POND |
|  | DEFINES HIGHWAY CATCHMENT |
|  | AREA SPLIT FOR RUNOFF |

P08	Client name updated	HJ	DAR	DAR	13.01.22
P07	Client and project name updated	HJ	DAR	DAR	12/11/21
P06	Client and project name updated	HJ	YL	DAR	04/10/21
P05	Updated highway alignment	HJ	YL	DAR	27/08/21
P04	Drainage updated	HJ	YL	DAR	06/07/21
P03	Drainage amended	HJ	YL	DAR	02/06/21
P02	Additional drainage added.	YL	RH	DAR	10/05/21
P01	Preliminary Issue	YL	RH	DAR	06/05/21

REV	DESCRIPTION	DRN	CHK	APP	DATE
Pell Frischmann 5 MANCHESTER SQUARE LONDON W1U 3PD Telephone +44 (0)20 7486 3661 Email: plfrndon@pellfrischmann.com www.pellfrischmann.com					

Client

C.C Projects

Project	BEW Parcel SC1
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Drawing Title

Highway Drainage
Layout
(Sheet 9 of 10)

	Name	Date	Scale	1:500 @ A0
Drawn	YL	MAY 21	File No.	A13394-PEF-GEN-XX-DR-C-0501 - 0510
Designed	YL			
Checked	RH	MAY 21		
Approved	DAR	MAY 21		
			Drawing Status	Preliminary
Drawing No.				Revision
A13394-PEF-ZZ-XX-DR-CD-0509				P8

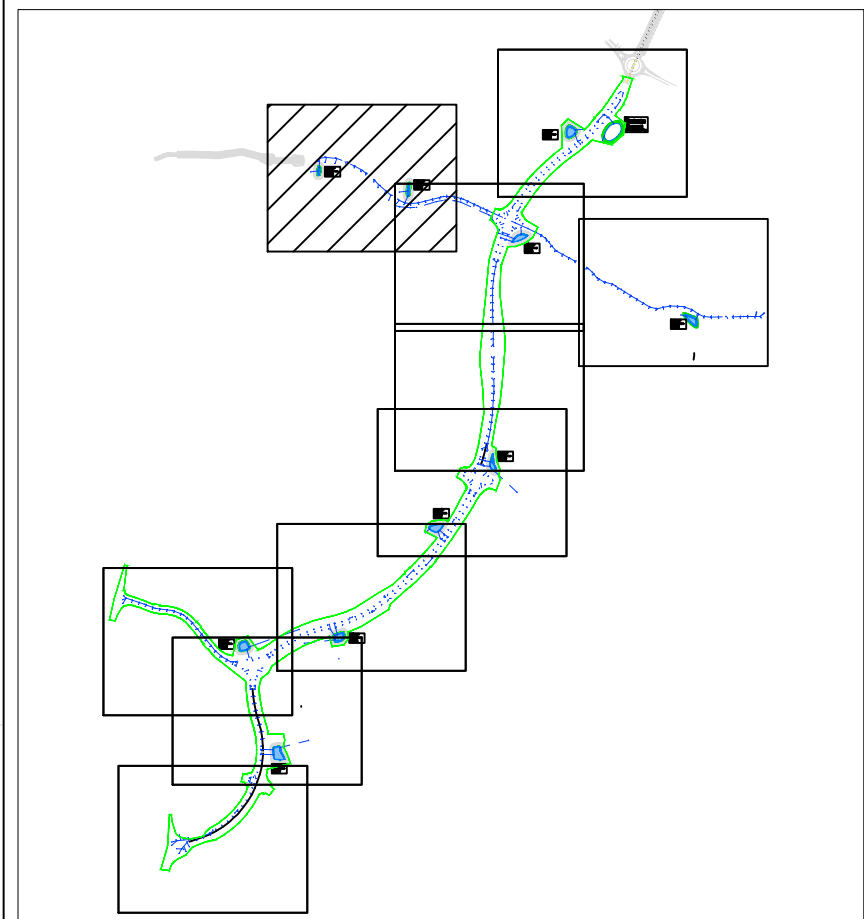


For Continuation refer to drawing
BEW-PF-GEN-XX-DR-C-0502

For Continuation refer to drawing
BEW-PF-GEN-XX-DR-C-0502

NOTES:

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P01	Preliminary Issue	YL	RH	DAR	06/05/21
REV	DESCRIPTION	DRN	CHK	APP	DATE

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Client
C.C Projects

Project
BEW Parcel SC1

Drawing Title
**Highway Drainage Layout
(Sheet 10 of 10)**

Name	Date	Scale	1:500 @ A0
Drawn	YL	MAY 21	
Designed	YL	MAY 21	File No. A13394-PEF-GEN-XX-DR-C-0501 - 0510 P0 Highway
Checked	RH	MAY 21	Drawing Status
Approved	DAR	MAY 21	Preliminary
Drawing No.	A13394-PEF-ZZ-XX-DR-CD-0510	Revision	P8