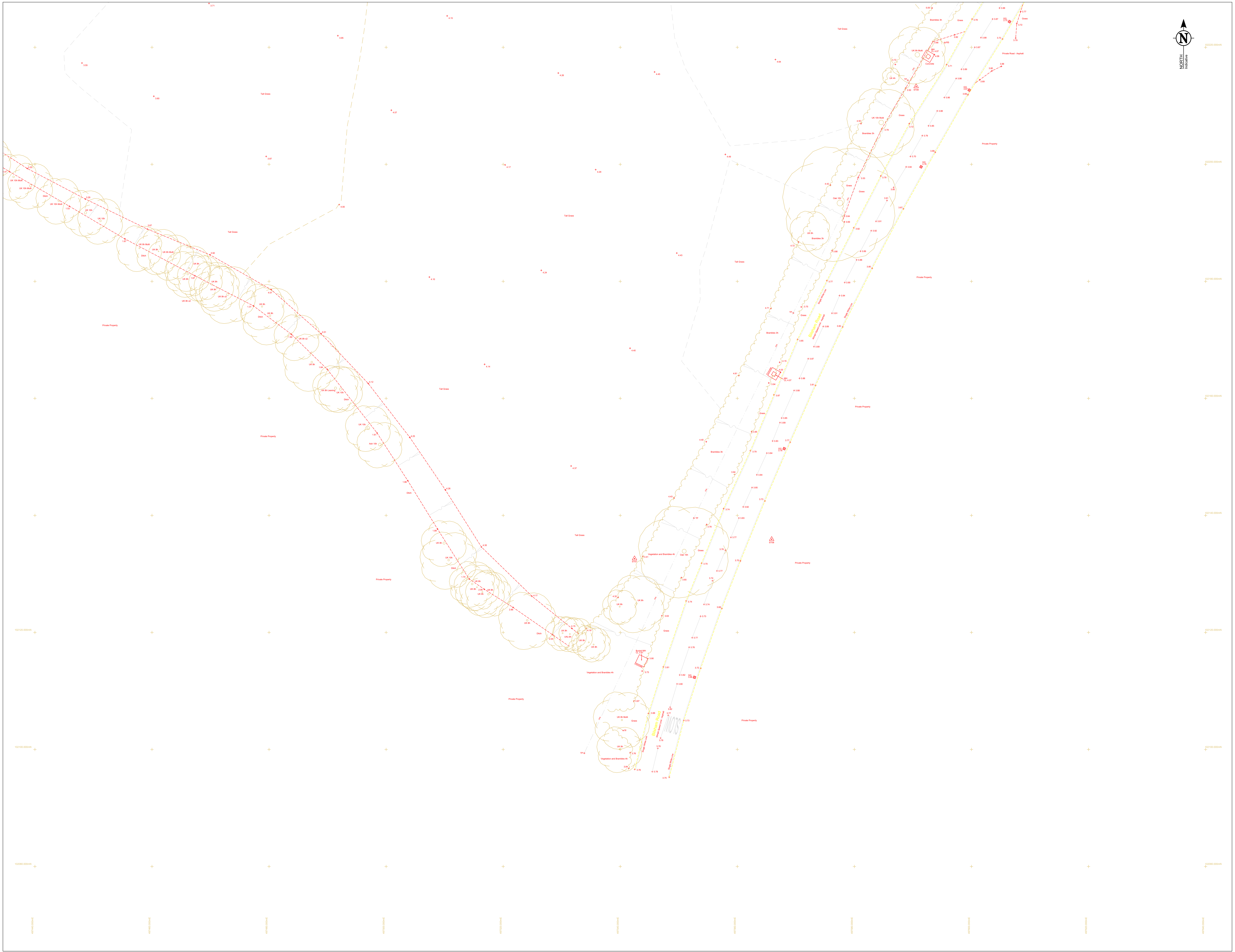
APPENDIX B

Topographical Survey



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Original Sheet Size A0H

TOPOGRAPHICAL & MEASURED BUILDING SURVEYS

ABBREVIATIONS & SYMBOLS

AH	Arch Head Height	ER	Earth Rod	RSD	Roller Shutter Door
A/B	Air Brick	ET	EP+Transformer	RSJ	Rolled Steel Joist
AR	Assumed Route	FB	Flower Bed	SI	Sign Post
AV	Air Valve	FBD	Floor Board Direction	SP	Arch Spring Point Height
BB	Belisha Beacon	FH	Fire Hydrant	SV	Stop Valve
BH	Bore Hole	FL	Floor Level	SW	Surface Water
BL	Bed Level	FP	Flag Pole	SY	Cable Stay
BO	Bollard	FW	Foul Water	Tac	Tactile Paving
BrP	Brace Post	GG	Gully Grate	TC	Telecom Cover
BS	Bus Stop	GV	Gas Valve	TH	Trial Pit
BU	Bush	HH	Head Height	THL	Threshold Level
B/W	Barbed Wire Fence	IC	Inspection Cover	TL	Traffic Light
BX	Box (Utilities)	IL	Invert Level	ToW	Top of Wall
C/B	Close Board Fence	I/R	Iron Railings	TP	Telegraph Pole
CH	Cill Height	KO	Kerb Outlet	TS	Traffic Signal Cover
CL	Cover Level	LP	Lamp Post	TV	Cable TV Cover
C/L	Chain Link Fence	MH	Manhole	UB	Universal Beam
C-Lev	Ceiling Level	MP	Marker Post	UC	Unknown Cover
Col	Column	NB	Name Board	UK	Unknown Tree
C/P	Chestnut Paling Fence	OHL	Overhead Line (approx)	UMG	Unmade Ground
CR	Cable Riser	Pan	Panel Fence	USB	Under Side Beam
C/W	Chicken Wire	PB	Post Box	UTL	Unable To Lift
DC	Drainage Channel	PM	Parking Meter	UTS	Unable To Survey
DH	Door Head Height	PO	Post	VP	Vent Pipe
Dil.	Dilapidated	P/R	Post & Rail Fence	WB	Waste Bin
DP	Down Pipe	P/W	Post & Wire Fence	WH	Weep Hole
DR	Drain	P/Wall	Partition Wall	WL	Water Level
EBx	Electric Box	RE	Rodding Eye	WM	Water Meter
EC	Electric Supply Cover	RL	Ridge Level	WO	Wash Out
EL	Eaves Level	RP	Reflector Post	(X.XX)	Floor to Ceiling Height
EP	Electric Pole	RS	Road Sign	(X.XX)F/C	Floor to False Ceiling Ht
				△	Survey Control Station

DRAWING NOTES

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Do not scale from this drawing.

SURVEY CONTROL CO-ORDINATES

STATIONS	EASTINGS	NORTHINGS	LEVEL	DESCRIPTION
ST01	497672.978	102355.745	5.069	PK Nail
ST02	497752.648	102446.539	5.937	Peg & Nail
ST03	497695.847	102545.085	6.481	Peg & Nail
ST04	497470.813	102654.164	6.121	Peg & Nail
ST05	497345.535	102497.691	4.923	Peg & Nail
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ST09	497590.544	102213.306	3.685	Peg & Nail
ST10	497626.336	102254.146	4.160	Peg & Nail

SURVEY GRID AND LEVEL DATUM

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REV	DESCRIPTION	DRAWN	APPR	DATE

SURVEY SOLUTIONS

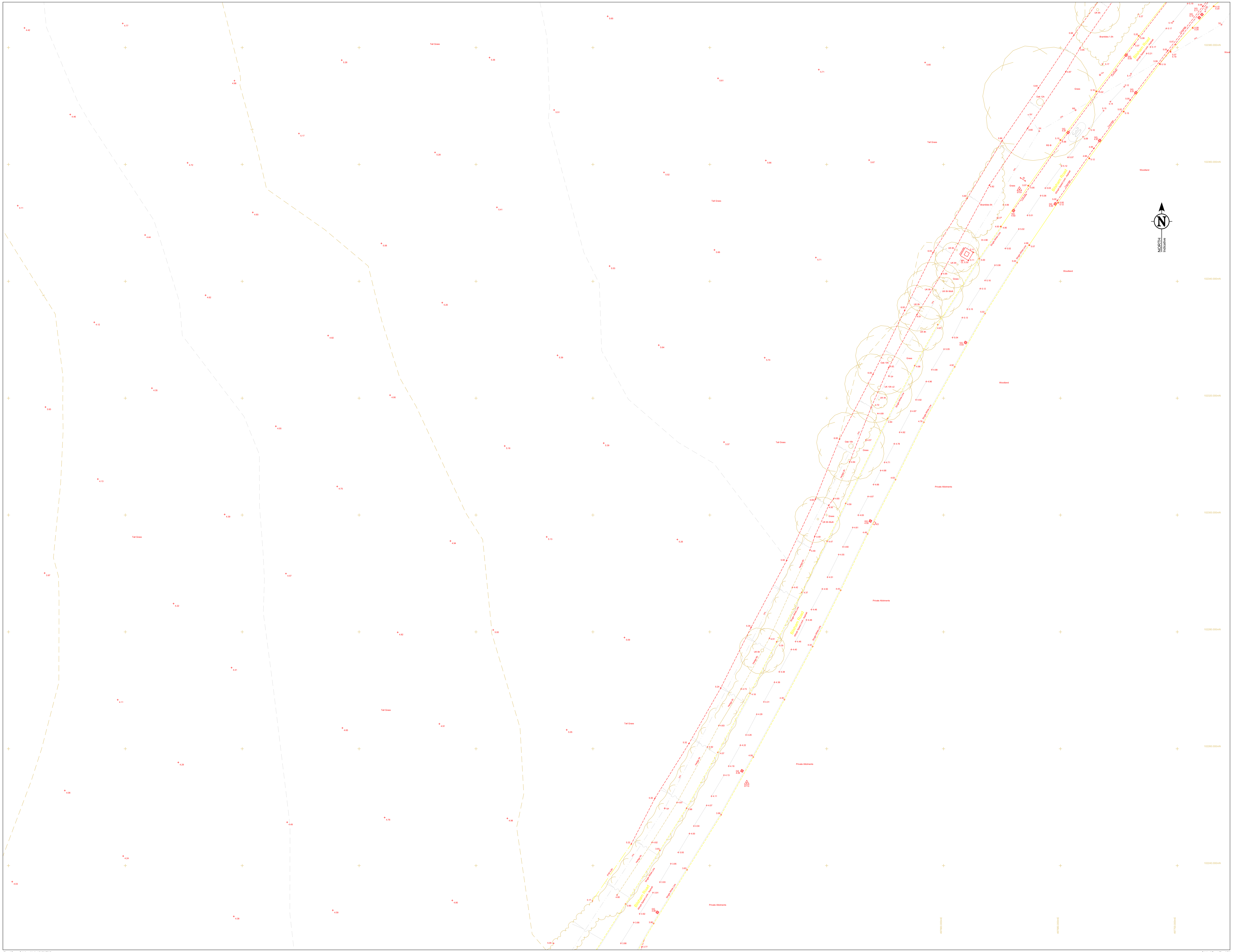
LAND SURVEYING
BUILDING SURVEYING
UNDERGROUND SURVEYING
SITE ENGINEERING
MONITORING

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IPSWICH BRENTWOOD COVENTRY GLASGOW NORWICH NOTTINGHAM YEOVIL

PROJECT TITLE BILSHAM ROAD, YAPTON, ARUNDEL, WEST SUSSEX, BN18 0JT.				
DRAWING DETAIL TOPOGRAPHICAL SURVEY Sheet 1 of 9				
CLIENT LANDLINK ESTATES LTD				SCALE 1:200
SURVEYOR RH	SURVEY DATE 31/03/2021	CHECKED BY AK	APPROVED BY RM	DWG STATUS FINAL
DRAWING NUMBER 31703BWLS-02			REVISION	ISSUE DATE 14/04/2021

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TOPOGRAPHICAL & MEASURED BUILDING SURVEYS

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REV	DESCRIPTION	DRAWN	APPR	DATE

SURVEY SOLUTIONS

LAND SURVEYING
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SITE ENGINEERING
MONITORING

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IPSWICH BRENTWOOD COVENTRY GLASGOW NORWICH NOTTINGHAM YEOVIL

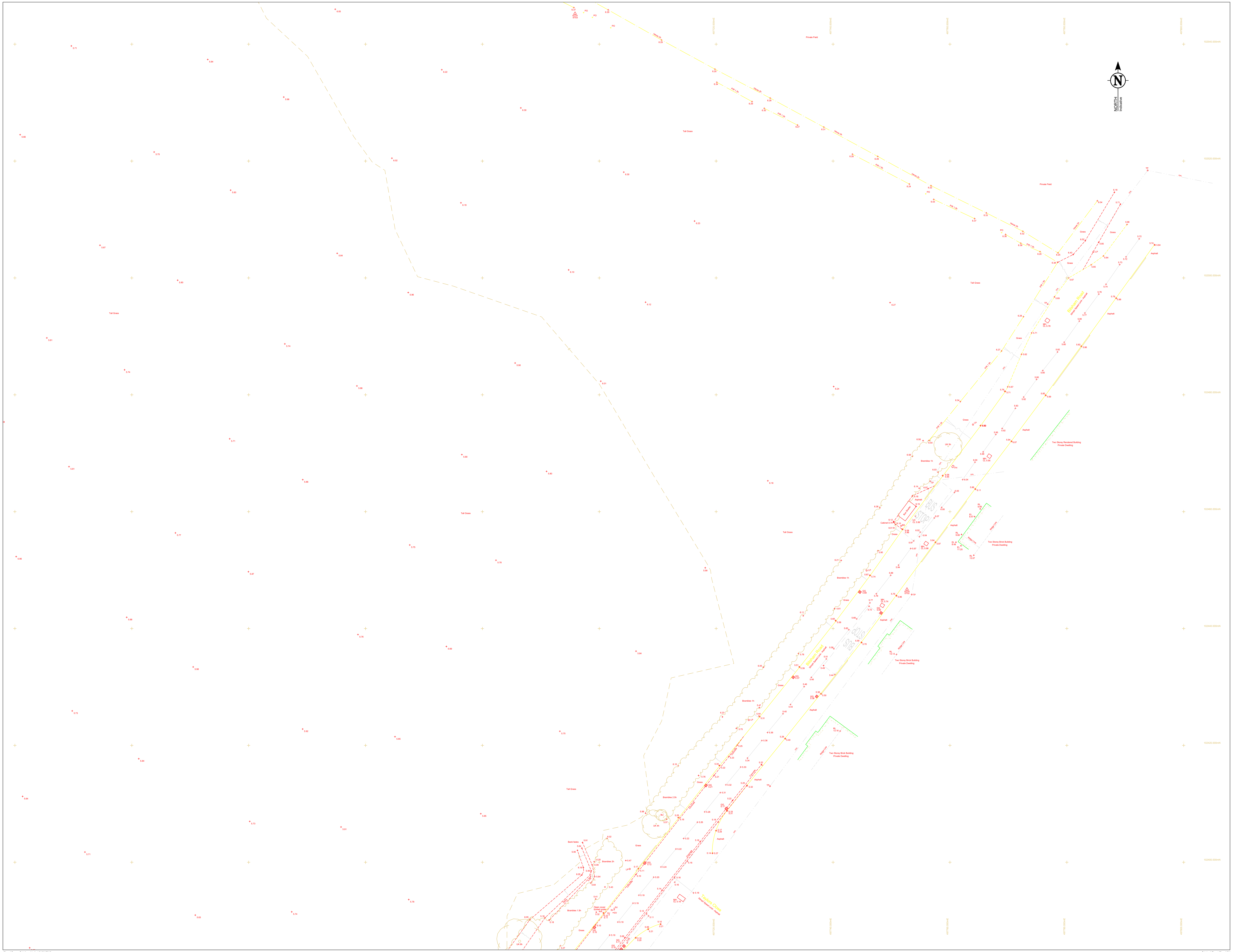
PROJECT TITLE
BILSHAM ROAD, YAPTON, ARUNDEL, WEST SUSSEX, BN18 0JT.

DRAWING DETAIL
TOPOGRAPHICAL SURVEY
Sheet 2 of 9

CLIENT				SCALE
LANDLINK ESTATES LTD				1:200
SURVEYOR: RH	SURVEY DATE: 31/03/2021	CHECKED BY: AK	APPROVED BY: RM	DWG STATUS: FINAL
DRAWING NUMBER: 31703BWLS-03			REVISION:	ISSUE DATE: 14/04/2021

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Original Sheet Size A0H



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Original Sheet Size A0H

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REV	DESCRIPTION	DRAWN	APPR	DATE

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LAND SURVEYING
BUILDING SURVEYING
UNDERGROUND SURVEYING
SITE ENGINEERING
MONITORING

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survey-solutions.co.uk

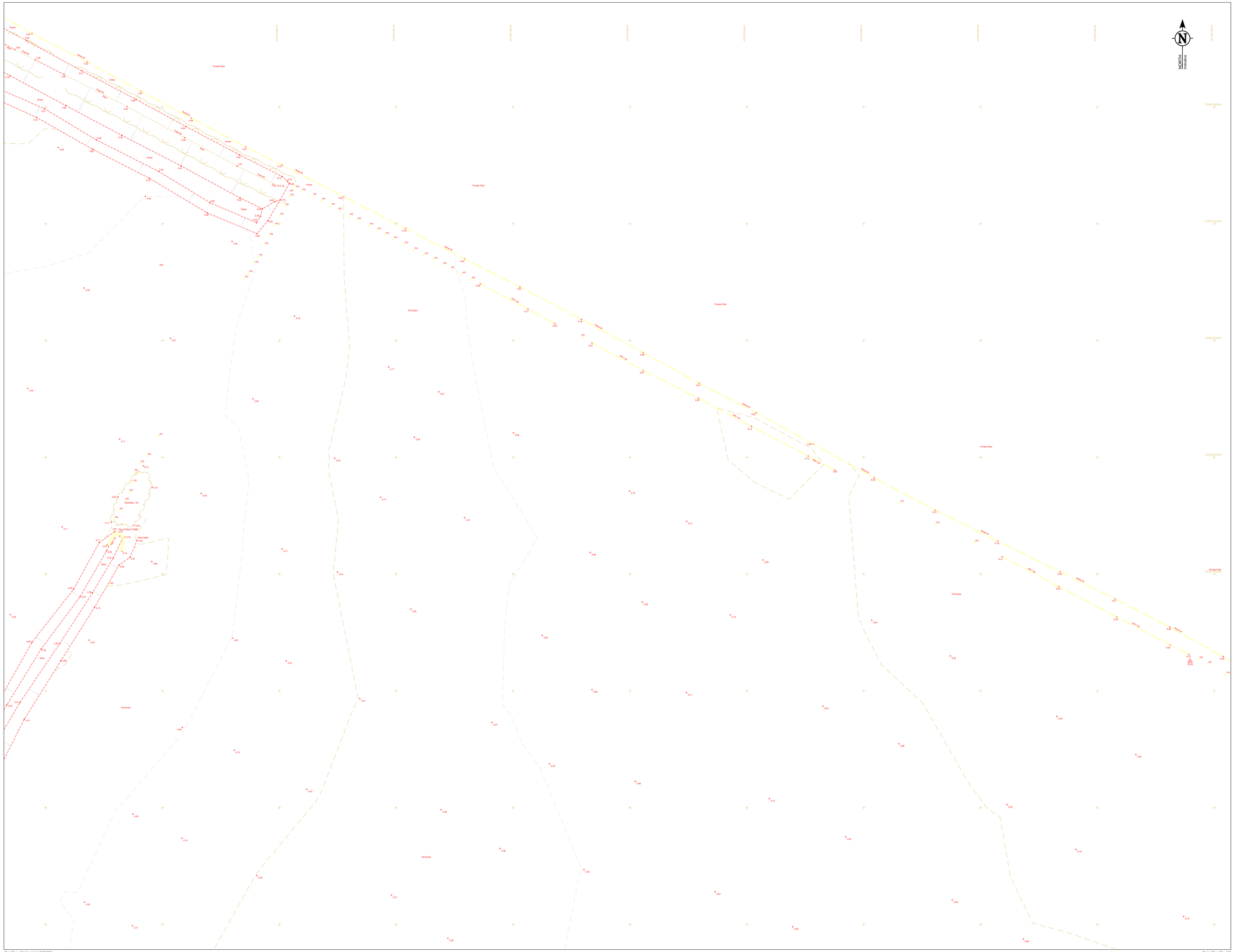
IPSWICH BRENTWOOD COVENTRY GLASGOW NORWICH NOTTINGHAM YEOVIL

PROJECT TITLE
BILSHAM ROAD, YAPTON, ARUNDEL, WEST SUSSEX, BN18 0JT.

DRAWING DETAIL
TOPOGRAPHICAL SURVEY
Sheet 3 of 9

CLIENT				SCALE
LANDLINK ESTATES LTD				1:200
SURVEYOR	SURVEY DATE	CHECKED BY	APPROVED BY	DWG STATUS
RH	31/03/2021	AK	RM	FINAL
DRAWING NUMBER			REVISION	ISSUE DATE
31703BWLS-04				14/04/2021

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Survey Control Station

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using GPS Smartnet.

REV	DESCRIPTION	DRAWN	APPR	DATE

SURVEY SOLUTIONS

LAND SURVEYING
BUILDING SURVEYING
UNDERGROUND SURVEYING
SITE ENGINEERING
MONITORING

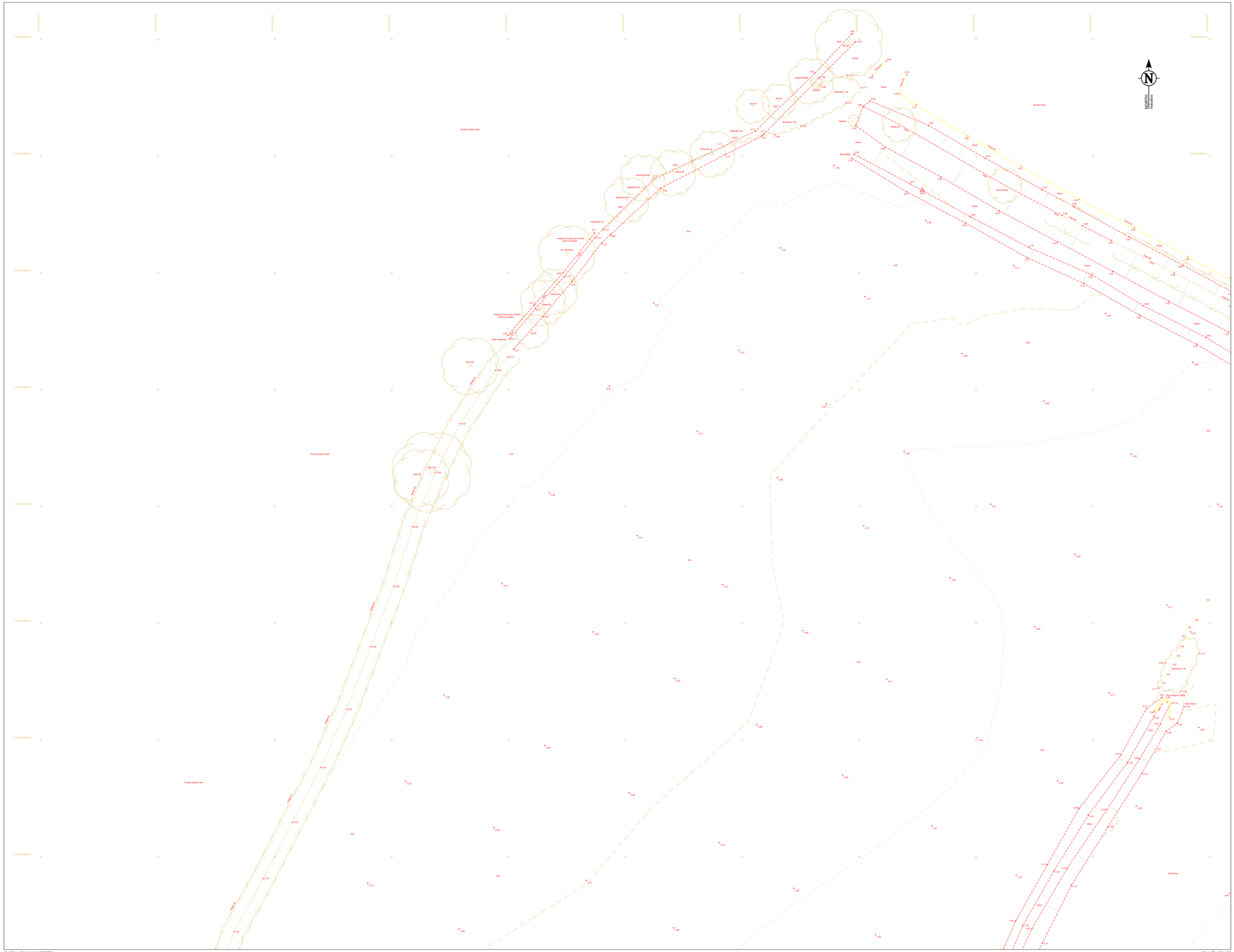
0845 040 5969
survey-solutions.co.uk

IPSWICH BRENTWOOD COVENTRY GLASGOW NORWICH NOTTINGHAM YEOVIL

PROJECT TITLE: BILSHAM ROAD, YAPTON, ARUNDEL, WEST SUSSEX, BN18 0JT.				
DRAWING DETAIL: TOPOGRAPHICAL SURVEY Sheet 4 of 9				
CLIENT: LANDLINK ESTATES LTD				SCALE: 1:200
SURVEYOR: RH	SURVEY DATE: 31/03/2021	CHECKED BY: AK	APPROVED BY: RM	DWG STATUS: FINAL
DRAWING NUMBER: 31703BWLS-05			REVISION	ISSUE DATE: 14/04/2021

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Original Sheet Size A0H



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DR	Drain	P/Wall	Partition Wall	WL	Water Level
EBx	Electric Box	RE	Rodding Eye	WM	Water Meter
EC	Electric Supply Cover	RL	Ridge Level	WO	Wash Out
EL	Electric Line	RP	Reflector Post	FC	Floor to Ceiling Height
EP	Electric Pole	RS	Road Sign	FFC	Floor to False Ceiling Ht

Survey Control Station

DRAWING NOTES

Topographical Surveys

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Cill heights are measured as floor to the cill and head heights are measured from cill to the top of window.

General

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Do not scale from this drawing.

SURVEY CONTROL CO-ORDINATES

STATIONS	EASTINGS	NORTHINGS	LEVEL	DESCRIPTION
ST01	497672.978	102350.745	5.069	Pk Nail
ST02	497752.648	102446.539	5.937	Peg & Nail
ST03	497695.847	102545.085	6.481	Peg & Nail
ST04	497470.813	102654.164	6.121	Peg & Nail
ST05	497345.535	102497.591	4.923	Peg & Nail
ST06	497422.251	102332.410	3.396	Peg & Nail
ST07	497542.432	102132.625	4.510	Peg & Nail
ST08	497565.865	102135.928	3.674	Peg & Nail
ST09	497590.544	102213.306	3.585	Peg & Nail
ST10	497628.336	102254.146	4.160	Peg & Nail

SURVEY GRID AND LEVEL DATUM

The coordinate system established for this survey is related to Ordnance Survey (OS) national grid at a single point using Smartnet, then orientated to grid north with a scale factor of 1.000

The level datum established for this survey is related to Ordnance Survey (OS) using GPS Smartnet.

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REV.	DESCRIPTION	DRAWN	APPR.	DATE

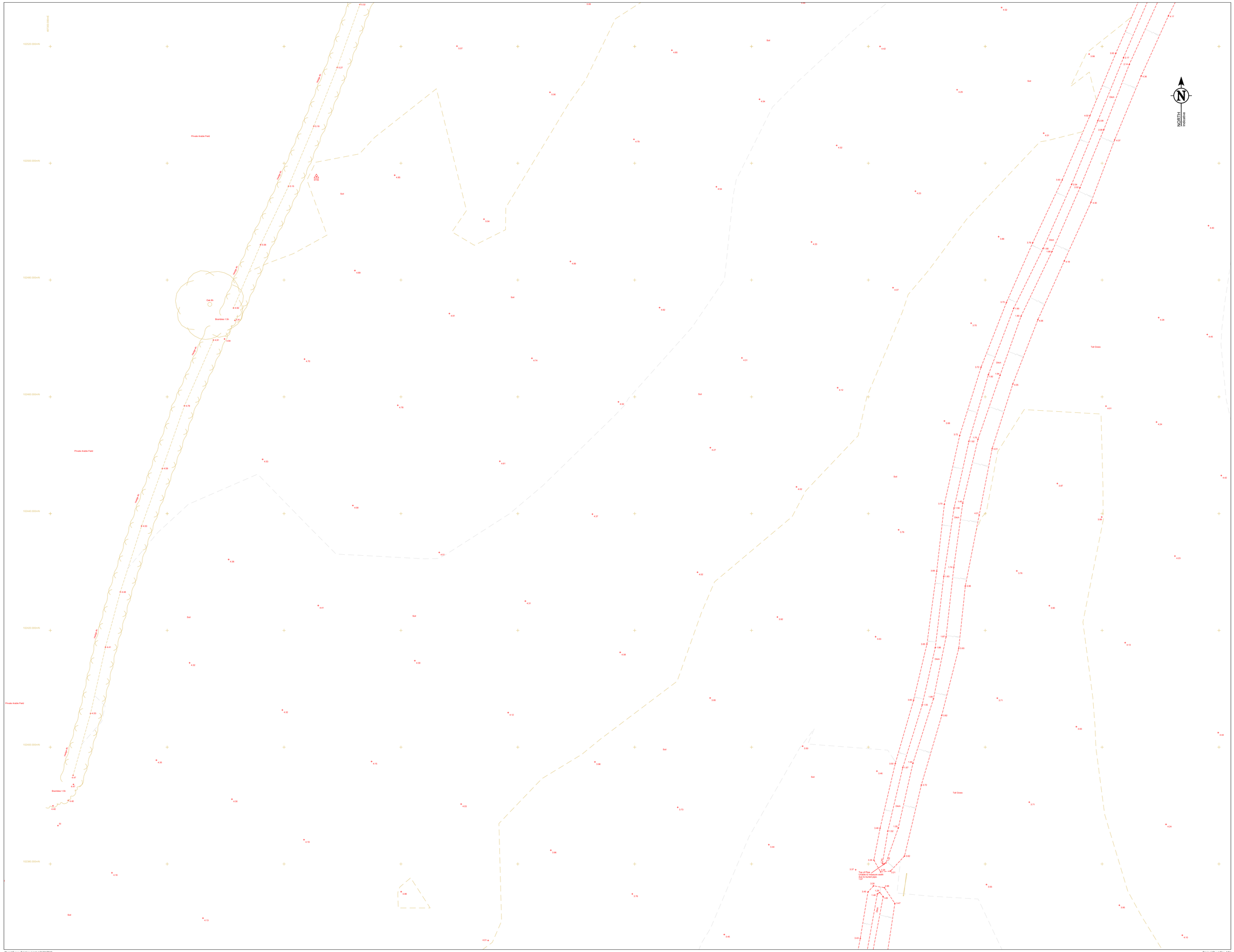
SURVEY SOLUTIONS

LAND SURVEYING
BUILDING SURVEYING
UNDERGROUND SURVEYING
SITE ENGINEERING
MONITORING

0845 040 5969
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IPSWICH BRENTWOOD COVENTRY GLASGOW NORWICH NOTTINGHAM YEOVIL

PROJECT TITLE	BILSHAM ROAD, YAPTON, ARUNDEL, WEST SUSSEX, BN18 0JT.				
DRAWING DETAIL	TOPOGRAPHICAL SURVEY Sheet 5 of 9				
CLIENT	LANDLINK ESTATES LTD				SCALE 1:200
SURVEYOR RH	SURVEY DATE 31/03/2021	CHECKED BY AK	APPROVED BY RM		DWG STATUS FINAL
DRAWING NUMBER 31703BWLS-06			REVISION		ISSUE DATE 14/04/2021



TOPOGRAPHICAL & MEASURED BUILDING SURVEYS

ABBREVIATIONS & SYMBOLS

AH	Arch Head Height	ER	Earth Rod	RSD	Roller Shutter Door
AB	Air Brick	ET	EP+Transformer	RSJ	Rolled Steel Joist
AR	Assumed Route	FB	Flower Bed	SI	Sign Post
AV	Air Valve	FBD	Floor Board Direction	SP	Arch Spring Point Height
BB	Belisha Beacon	FH	Fire Hydrant	SV	Stop Valve
BH	Bore Hole	FL	Floor Level	SW	Surface Water
BL	Bed Level	FP	Flag Pole	TB	Cable Bay
BO	Bollard	FW	Foul Water	TC	Traffic Counting
BP	Bollard Post	GG	Gully Grate	TC	Telecom Cover
BS	Bus Stop	GV	Gas Valve	TH	Trial Pit
BU	Bush	HH	Head Height	THL	Threshold Level
B/W	Barbed Wire Fence	IC	Inspection Cover	TL	Traffic Light
BX	Box (Utilities)	IL	Invert Level	ToW	Top of Wall
C/B	Close Board Fence	IR	Iron Railings	TP	Telegraph Pole
CH	Crl Height	KO	Kerb Outlet	TS	Traffic Signal Cover
CL	Cover Level	LP	Lamp Post	TV	Cable TV Cover
C/L	Chain Link Fence	MH	Manhole	UB	Universal Beam
C/Lev	Ceiling Level	MP	Marker Post	UC	Unknown Cover
Col	Column	NB	Name Board	UK	Unknown Tree
C/P	Chestnut Paling Fence	OHL	Overhead Line (approx)	UMG	Unmade Ground
CR	Cable Riser	Pan	Panel Fence	USB	Under Side Beam
C/W	Chicken Wire	PB	Post Box	UTL	Unable To Lift
DC	Drainage Channel	PM	Parking Meter	UTS	Unable To Survey
DH	Door Head Height	PO	Post	VP	Vent Pipe
DL	Dilapidated	P/R	Post & Rail Fence	WB	Waste Bin
DP	Down Pipe	P/W	Post & Wire Fence	WH	Weep Hole
DR	Drain	P/Wall	Partition Wall	WL	Water Level
EBx	Electric Box	RE	Rodding Eye	WM	Water Meter
EC	Electric Supply Cover	RL	Ridge Level	WO	Wash Out
EL	Electric Line	RP	Reflector Post	2.5	Floor to Ceiling Height
EP	Electric Pole	RS	Road Sign	2.5/FC	Floor to False Ceiling Ht

DRAWING NOTES

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ST05	497345.535	102457.691	4.923	Peg & Nail
ST06	497422.251	102310.410	3.396	Peg & Nail
ST07	497542.432	102132.825	4.510	Peg & Nail
ST08	497565.865	102135.928	3.674	Peg & Nail
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SURVEY GRID AND LEVEL DATUM

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REV	DESCRIPTION	DRAWN	APPR	DATE

SURVEY SOLUTIONS

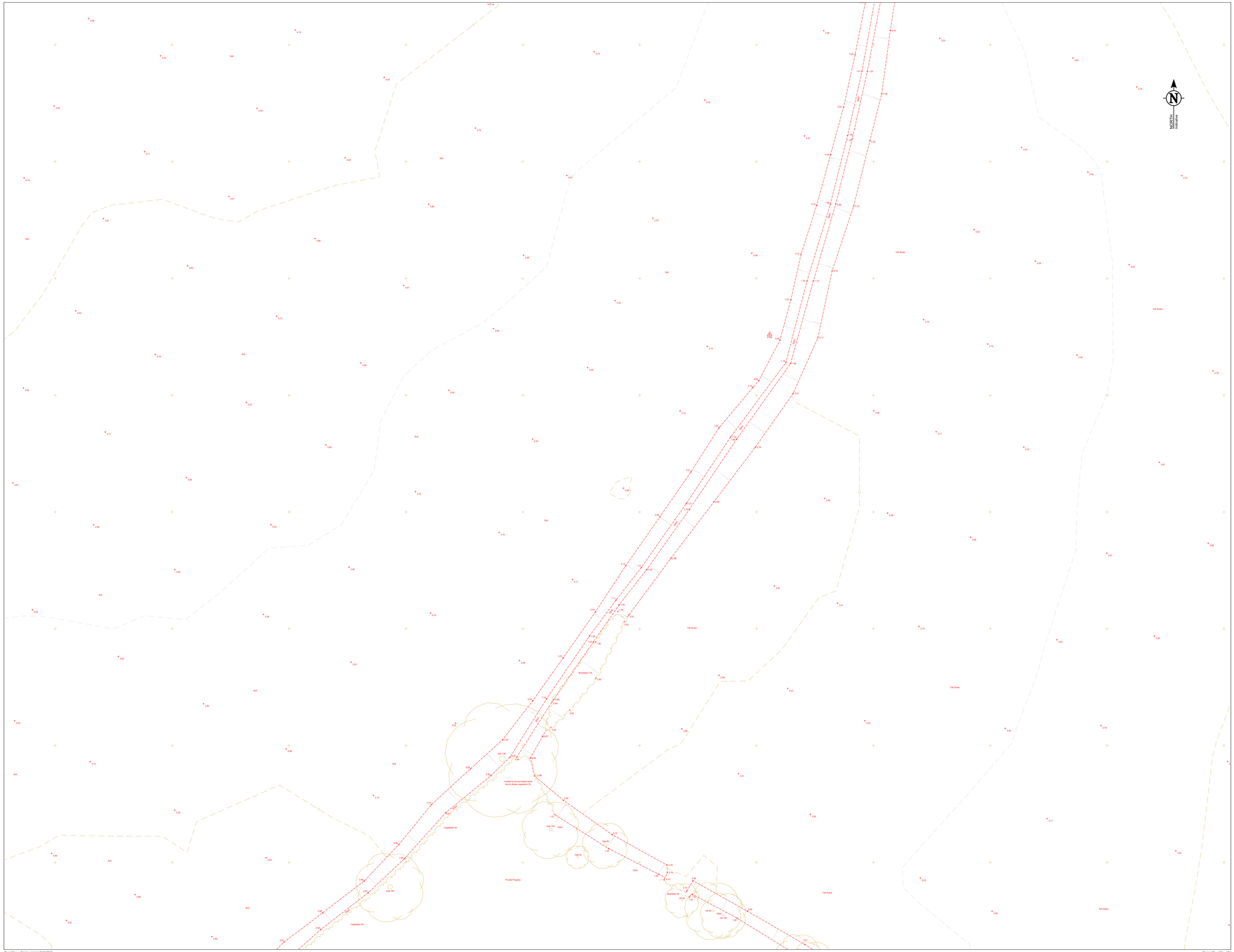
LAND SURVEYING
BUILDING SURVEYING
UNDERGROUND SURVEYING
SITE ENGINEERING
MONITORING

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IPSWICH BRENTWOOD COVENTRY GLASGOW NORWICH NOTTINGHAM YEOVIL

PROJECT TITLE: BILSHAM ROAD, YAPTON, ARUNDEL, WEST SUSSEX, BN18 0JT.				
DRAWING DETAIL: TOPOGRAPHICAL SURVEY Sheet 6 of 9				
CLIENT: LANDLINK ESTATES LTD				SCALE: 1:200
SURVEYOR: RH	SURVEY DATE: 31/03/2021	CHECKED BY: AK	APPROVED BY: RM	DWG STATUS: FINAL
DRAWING NUMBER: 31703BWLS-07			REVISION:	ISSUE DATE: 14/04/2021

RICS ices THE SURVEY ASSOCIATION



TOPOGRAPHICAL & MEASURED BUILDING SURVEYS

ABBREVIATIONS & SYMBOLS

AH	Arch Head Height	ER	Earth Rod	RSD	Roller Shutter Door
AB	Air Brick	ET	EP+Transformer	RSJ	Rolled Steel Joist
AR	Assumed Route	FB	Flower Bed	SI	Sign Post
AV	Air Valve	FBD	Floor Board Direction	SP	Arch Spring Point Height
BB	Belisha Beacon	FH	Fire Hydrant	SV	Stop Valve
BH	Bore Hole	FL	Floor Level	SW	Surface Water
BL	Bed Level	FP	Flag Pole	TB	Cable Box
BO	Bollard	FW	Foul Water	TC	Traffic Calming
BP	Bollard Post	GG	Gas Grate	TC	Telecom Cover
BS	Bus Stop	GV	Gas Valve	TH	Trial Pit
BU	Bush	HH	Head Height	THL	Threshold Level
B/W	Barbed Wire Fence	IC	Inspection Cover	TL	Traffic Light
BX	Box (Utilities)	IL	Invert Level	ToW	Top of Wall
C/B	Close Board Fence	IR	Iron Railings	TP	Telegraph Pole
CH	Crl Height	KO	Kerb Outlet	TS	Traffic Signal Cover
CL	Cover Level	LP	Lamp Post	TV	Cable TV Cover
CL	Chain Link Fence	MH	Manhole	UB	Universal Beam
C-Lev	Ceiling Level	MP	Marker Post	UC	Unknown Cover
Col	Column	NB	Name Board	UK	Unknown Tree
C/P	Chestnut Paling Fence	OHL	Overhead Line (approx)	UMG	Unmade Ground
CR	Cable Riser	Pan	Panel Fence	USB	Under Side Beam
C/W	Chicken Wire	PB	Post Box	UTL	Unable To Lift
DC	Drainage Channel	PM	Parking Meter	UTS	Unable To Survey
DH	Door Head Height	PO	Post	VP	Vent Pipe
DL	Dilapidated	P/R	Post & Rail Fence	WB	Waste Bin
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Survey Control Station

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SURVEY CONTROL CO-ORDINATES

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ST01	497672.978	102590.745	5.969	PK Nail
ST02	497732.648	102446.539	5.937	Peg & Nail
ST03	497689.647	102545.095	6.481	Peg & Nail
ST04	497470.813	102654.164	6.121	Peg & Nail
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ST09	497592.544	102213.306	3.685	Peg & Nail
ST10	497626.336	102254.146	4.160	Peg & Nail

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SURVEY SOLUTIONS

LAND SURVEYING
BUILDING SURVEYING
UNDERGROUND SURVEYING
SITE ENGINEERING
MONITORING

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survey-solutions.co.uk

IPSWICH BRENTWOOD COVENTRY GLASGOW NORWICH NOTTINGHAM YEOVIL

PROJECT TITLE	BILSHAM ROAD, YAPTON, ARUNDEL, WEST SUSSEX, BN18 0JT.			
DRAWING DETAIL	TOPOGRAPHICAL SURVEY Sheet 7 of 9			
CLIENT	LANDLINK ESTATES LTD			SCALE 1:200
SURVEYOR RH	SURVEY DATE 31/03/2021	CHECKED BY AK	APPROVED BY RM	DWG STATUS FINAL
DRAWING NUMBER 31703BWLS-08			REVISION	ISSUE DATE 14/04/2021

NORTH
Indicative

Soil
Tall Grass
Private Property
Brambles 1.5h
Ash 12h
Unable to survey bottom bank due to dense vegetation 5h
Vegetation 5h
Oak 10h
Oak 8h
Oak 5h
Ditch
Brambles 3h
UK 8h
UK 10h
UK 10h Multi
UK 8h Multi
UK 8h x2

497280.000mE
497360.000mE
497440.000mE
497520.000mE

TOPOGRAPHICAL & MEASURED BUILDING SURVEYS

ABBREVIATIONS & SYMBOLS

AH	Arch Head Height	ER	Earth Rod	RSD	Roller Shutter Door
AIB	Air Brick	ET	EP+Transformer	RSJ	Rolled Steel Joist
AR	Assumed Route	FB	Flower Bed	SI	Sign Post
AV	Air Valve	FBD	Floor Board Direction	SP	Arch Spring Point Height
BB	Belisha Beacon	FH	Fire Hydrant	SV	Stop Valve
BH	Bore Hole	FL	Floor Level	SW	Surface Water
BL	Bed Level	FP	Flag Pole	SY	Cable Stay
BO	Bollard	FW	Foul Water	Tac	Tactile Paving
BrP	Brace Post	GG	Gully Grate	TC	Telecom Cover
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B/W	Barbed Wire Fence	IC	Inspection Cover	TL	Traffic Light
BX	Box (Utilities)	IL	Invert Level	ToW	Top of Wall
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ElBx	Electric Box	RE	Rodding Eye	WM	Water Meter
EC	Electric Supply Cover	RL	Ridge Level	WO	Wash Out
EL	Eaves Level	RP	Reflector Post	(4.50)	Floor to Ceiling Height
EP	Electric Pole	RS	Road Sign	(4.50)F/C	Floor to False Ceiling Ht
					Survey Control Station

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REV	DESCRIPTION	DRAWN	APPR	DATE

SURVEY SOLUTIONS

LAND SURVEYING
BUILDING SURVEYING
UNDERGROUND SURVEYING
SITE ENGINEERING
MONITORING

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IPSWICH BRENTWOOD COVENTRY GLASGOW NORWICH NOTTINGHAM YEOVIL

PROJECT TITLE
BILSHAM ROAD, YAPTON, ARUNDEL,
WEST SUSSEX, BN18 0JT.

DRAWING DETAIL
TOPOGRAPHICAL SURVEY
Sheet 2 of 9

CLIENT				SCALE
LANDLINK ESTATES LTD				1:200
SURVEYOR	SURVEY DATE	CHECKED BY	APPROVED BY	DWG STATUS
RH	31/03/2021	AK	RM	FINAL
DRAWING NUMBER		REVISION		ISSUE DATE
31703BWLS-09				14/04/2021

ISO 9001 REGISTERED FIRM · RICS · chartered ices · THE SURVEY ASSOCIATION

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Original Sheet Size A0H

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497240.000mE
497260.000mE
497280.000mE
497300.000mE
497320.000mE
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102340.000mN
102320.000mN
102300.000mN
102280.000mN
102260.000mN
102240.000mN
102220.000mN
102200.000mN
102180.000mN
102160.000mN
102140.000mN
Limit of Survey Required
Soil
Private Property
Brambles 2h
Ash 14h
Oak 12h
Vegetation 5h
UK 6h
UK 8h
PO
RSJ
PRW 7h
PRW 5h
4.38
4.19
4.33
4.04
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3.37
3.36
3.10
3.24
2.97
2.83
2.90
2.88
3.18

TOPOGRAPHICAL & MEASURED BUILDING SURVEYS

ABBREVIATIONS & SYMBOLS

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EC	Electric Supply Cover	RL	Ridge Level	WO	Wash Out
EL	Eaves Level	RP	Reflector Post	(2.50)	Floor to Ceiling Height
EP	Electric Pole	RS	Road Sign	(2.50)F/C	Floor to False Ceiling Ht
					Survey Control Station

DRAWING NOTES

Topographical Surveys

Trees are drawn to scale showing the average canopy spread. Descriptions and heights should be used as a guide only.

All building names, descriptions, number of storeys, construction type including roof line details are indicative only and taken externally from ground level.

All below ground details including drainage, voids and services have been identified from above ground and therefore all details relating to these features including; sizes, depth, description etc will be approximate only. All critical dimensions and connections should be checked and verified prior to starting work.

Detail, services and features may not have been surveyed if obstructed or not reasonably visible at the time of the survey.

Surveyed physical features may not necessarily represent the legal boundary line.

Measured Building Surveys

Measurements to internal walls are taken to the wall finishes at approx 1m above the floor level and the wall assumed to be vertical.

Cill heights are measured as floor to the cill and head heights are measured from cill to the top of window.

General

The contractor must check and verify all site and building dimensions, levels, utilities and drainage details and connections prior to commencing work. Any errors or discrepancies must be notified to Survey Solutions immediately.

The accuracy of the digital data is the same as the plotting scale implies. All dimensions are in metres unless otherwise stated.

The survey control listed is only to be used for topographical surveys at the stated scale. All control must be checked and verified prior to use.

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Do not scale from this drawing.

SURVEY CONTROL CO-ORDINATES

STATIONS	EASTINGS	NORTHINGS	LEVEL	DESCRIPTION
ST01	497672.978	102355.745	5.069	PK Nail
ST02	497752.648	102446.539	5.937	Peg & Nail
ST03	497695.847	102545.085	6.481	Peg & Nail
ST04	497470.813	102654.164	6.121	Peg & Nail
ST05	497345.535	102497.691	4.923	Peg & Nail
ST06	497422.251	102310.410	3.396	Peg & Nail
ST07	497542.432	102132.625	4.510	Peg & Nail
ST08	497565.865	102135.928	3.674	Peg & Nail
ST09	497590.544	102213.306	3.685	Peg & Nail
ST10	497626.336	102254.146	4.160	Peg & Nail

SURVEY GRID AND LEVEL DATUM

The coordinate system established for this survey is related to Ordnance Survey (OS) national grid at a single point using Smartnet, then orientated to grid north with a scale factor of 1.000.

The level datum established for this survey is related to Ordnance Survey (OS) using GPS Smartnet.

To avoid discrepancies any coordinated data used in conjunction with this survey must be derived directly from this control data.

REV	DESCRIPTION	DRAWN	APPR	DATE

SURVEY SOLUTIONS

LAND SURVEYING
BUILDING SURVEYING
UNDERGROUND SURVEYING
SITE ENGINEERING
MONITORING

0845 040 5969
survey-solutions.co.uk

IPSWICH BRENTWOOD COVENTRY GLASGOW NORWICH NOTTINGHAM YEOVIL

PROJECT TITLE: BILSHAM ROAD, YAPTON, ARUNDEL, WEST SUSSEX, BN18 0JT.				
DRAWING DETAIL: TOPOGRAPHICAL SURVEY Sheet 9 of 9				
CLIENT: LANDLINK ESTATES LTD				SCALE: 1:200
SURVEYOR: RH	SURVEY DATE: 31/03/2021	CHECKED BY: AK	APPROVED BY: RM	DWG STATUS: FINAL
DRAWING NUMBER: 31703BWLS-10			REVISION:	ISSUE DATE: 14/04/2021

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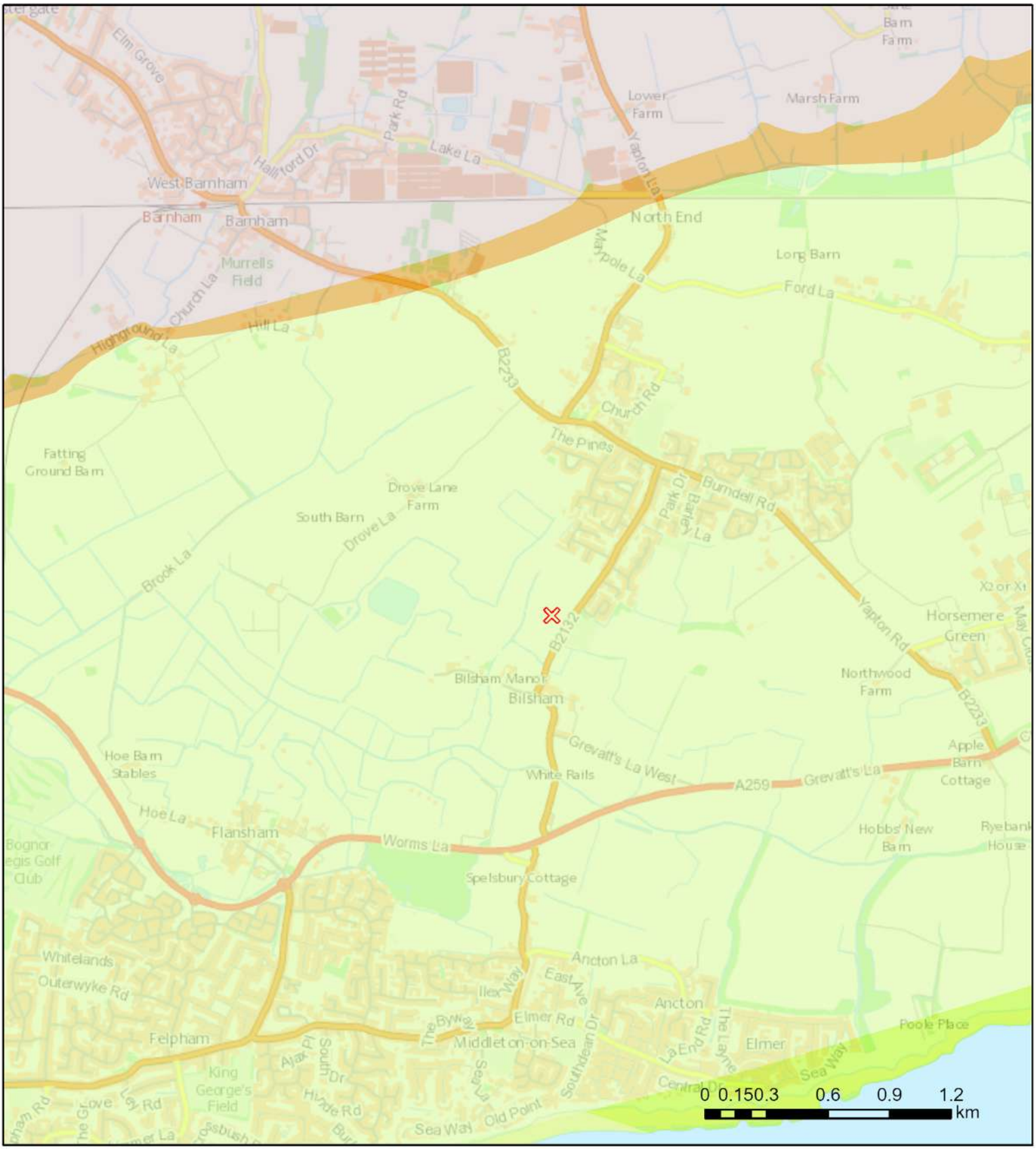
Original Sheet Size A0H

APPENDIX C

British Geological Survey Mapping

Bedrock Geology Report

British Geological Survey



Contains OS data © Crown Copyright and database right 2020

GeoIndex Onshore Data Sources: NERC, Natural England, English Heritage and Ordnance Survey

Map Key

Bedrock geology 1:50,000 scale

- LONDON CLAY FORMATION - CLAY, SILT AND SAND
- SPETISBURY CHALK MEMBER - CHALK
- SEAFORD CHALK FORMATION - CHALK
- LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION, NEWHAVEN CHALK FORMATION, CULVER CHALK FORMATION AND PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) - CHALK
- TARRANT CHALK MEMBER - CHALK
- NEW PIT CHALK FORMATION - CHALK
- PORTSDOWN CHALK FORMATION - CHALK
- LAMBETH GROUP - CLAY, SILT AND SAND
- NEWHAVEN CHALK FORMATION - CHALK

Superficial Deposits



Contains OS data © Crown Copyright and database right 2020

GeoIndex Onshore Data Sources: NERC, Natural England, English Heritage and Ordnance Survey

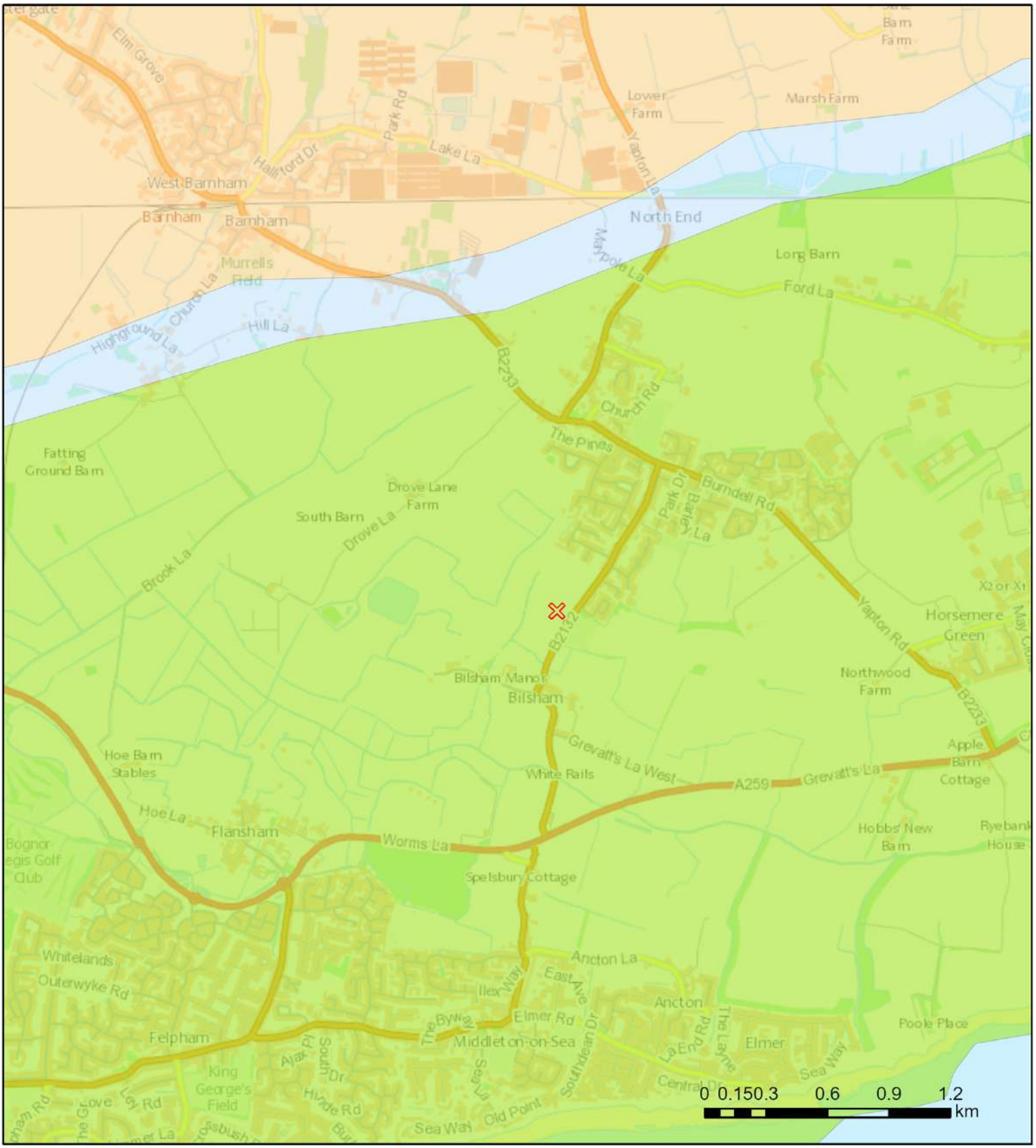
Map Key

Superficial deposits 1:50,000 scale

- ALLUVIUM - CLAY, SILT, SAND AND GRAVEL
- BLOWN SAND - SAND
- RAISED MARINE DEPOSITS - CLAY, SILT, SAND AND GRAVEL
- HEAD - CLAY, SILT, SAND AND GRAVEL
- HEAD - GRAVEL, SAND, SILT AND CLAY
- RIVER TERRACE DEPOSITS (UNDIFFERENTIATED) - SAND, SILT AND CLAY
- STORM BEACH DEPOSITS - GRAVEL
- ALLUVIAL FAN DEPOSITS - GRAVEL, SAND, SILT AND CLAY
- RAISED BEACH DEPOSITS, 1 - SAND AND GRAVEL
- BEACH AND TIDAL FLAT DEPOSITS (UNDIFFERENTIATED) - CLAY, SILT, SAND AND GRAVEL

Hydrogeology Report

British Geological Survey



Contains OS data © Crown Copyright and database right 2020

GeoIndex Onshore Data Sources: NERC, Natural England, English Heritage and Ordnance Survey

Map Key

Hydrogeology 1:625,000 scale

Aquifers with significant intergranular flow

Highly productive aquifer

Moderately productive aquifer

Low productivity aquifer

Aquifers in which flow is virtually all through fractures and other discontinuities

Highly productive aquifer

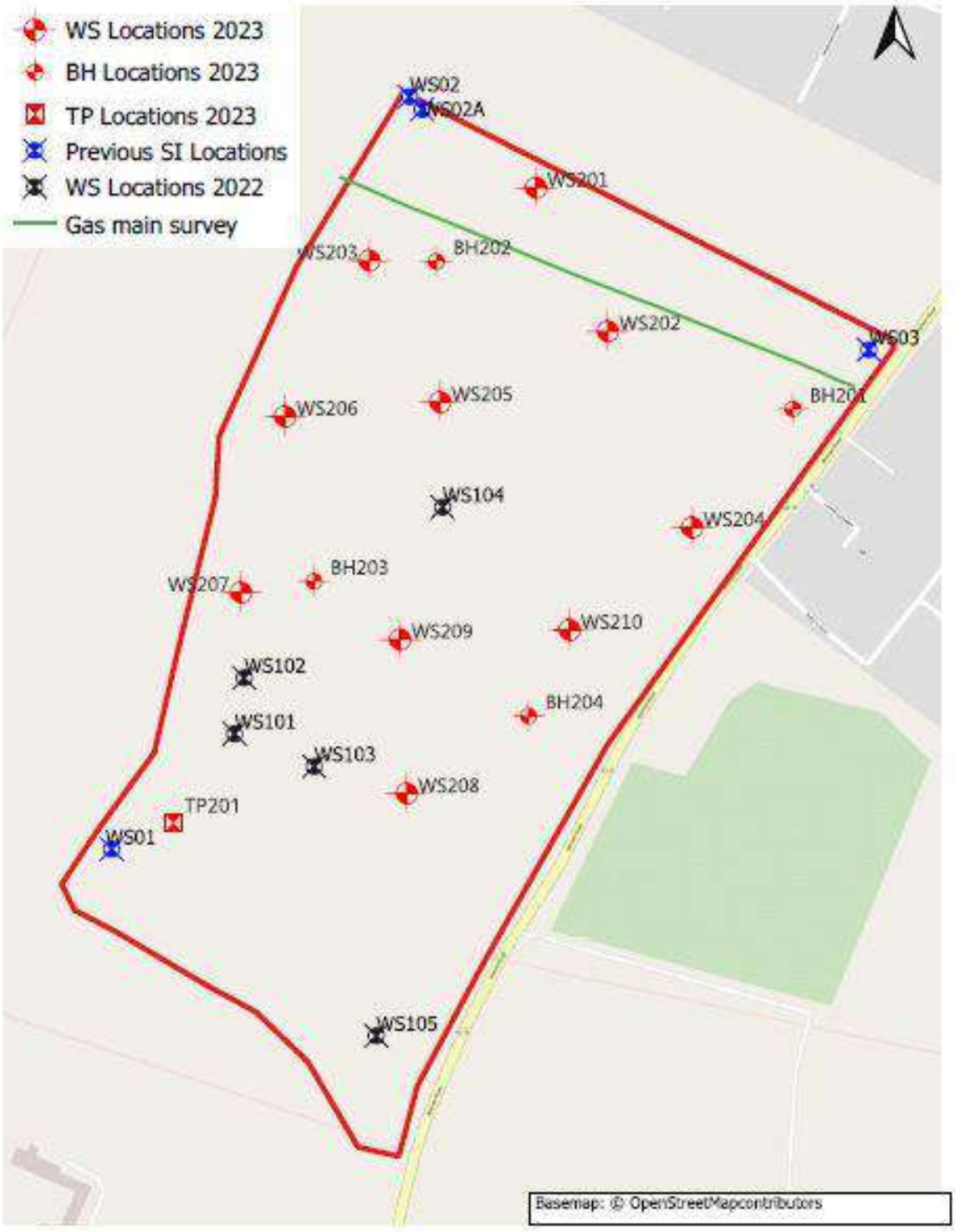
Moderately productive aquifer

Low productivity aquifer

Rocks with essentially no groundwater

APPENDIX D

Site Investigation Extracts



leap environmental	Client:	BloKlok Housing Ltd	Title:	SI Locations	Project ID:	LP3253
	Project:	Land West of Bilsham Road	Date:	03/04/23	Figure No.	2

Table 11: Groundwater Monitoring Results

Monitoring well	Depth to groundwater (mbgl)											
	26/10/23	08/11/22	24/11/22	02/12/22	19/12/22	04/01/23	12/01/23	19/01/23	30/01/23	13/02/23	14/03/23	14/04/2023
WS101	1.1	0.79	0.94	1.00	0.63	0.97	0.78	0.99	1.11	1.18	1.12	1.00
WS102	1.12	0.7	0.95	1.00	0.61	1.02	0.73	1.01	1.16	1.17	1.16	1.08
WS103	1.42	0.66	0.88	0.84	0.47	0.80	0.57	0.84	1.07	1.11	1.00	0.87
WS104	Dry	0.61	0.80	0.85	0.58	0.87	0.51	0.87	1.21	1.15	1.10	0.75
WS105	2.33	0.92	0.34	0.42	0.28	0.30	0.27	0.45	0.79	1.05	0.74	0.30
BH201	-	-	-	-	-	-	-	-	-	-	1.26	0.97
WS201	-	-	-	-	-	-	-	-	-	-	1.19	0.82
WS203	-	-	-	-	-	-	-	-	-	-	1.13	1.09
WS204	-	-	-	-	-	-	-	-	-	-	0.79	0.68
WS206	-	-	-	-	-	-	-	-	-	-	0.80	0.81
WS207	-	-	-	-	-	-	-	-	-	-	1.00	0.89
WS208	-	-	-	-	-	-	-	-	-	-	1.02	0.85
WS01*	-	-	0.55	0.53	0.58	0.49	0.45	0.45	0.80	0.92	0.66	0.56
WS02*	-	-	1.66	1.7	1.54	1.68	1.43	1.70	2.06	2.18	2.01	2.85
WS03*	-	-	1.00	0.87	1.04	0.99	1.03	0.97	1.87	2.11	1.76	1.46

*investigation not by leap.

The full monitoring results are provided in Appendix G.

Drawing Legend :

CBR01 - 15No. Trial Pits

WS01 - 40No. Window Samples

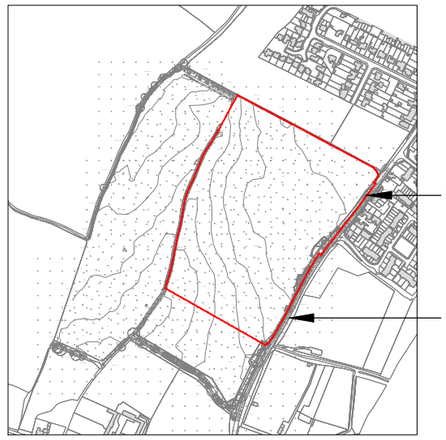
Existing Services Legend

G — Existing MP Gas Main (Medium Pressure)

General Notes

1. Dimensions are in metres unless otherwise stated. All levels are in m AOD.
2. Where this drawing has been issued in electronic .dwg format it has been done so in good faith. IBEX CE Ltd do not take any responsibility for any accuracies in the electronic data, which should be checked against the paper (or .pdf) drawing issue. Any apparent discrepancies should be immediately reported to IBEX CE Ltd. The electronic .dwg file should not be assumed to be to scale and should not be used for 'overlaying', setting out or checking of any third party information. All dimensions should be taken from the paper (or .pdf) version of the drawing. Electronic drawings may contain third party information. IBEX CE Ltd take no responsibility for this information, which should be checked against the originators paper drawing(s).
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Site Location Plan

Scale 1:10,000

A	x.x.x	First issue	ML	LD
Rev.	Date	Description	BY	CHK

Client:- REDROW

Site:-	Drawing Title:-
Proposed Residential Development Bilsham Road, Yapton	Exploratory Holes Location Plan

Date: x.x.x	Scale: 1:1250 @ A3	Sheet No: 01
Drawn: MDL	Checked: LD	Approved: LD

Drawing No.

Exploratory Holes Location Plan
(ICE0353-EHLP-01-REV A)

HAZARD IDENTIFICATION BOX

This table is provided to assist the Principle Contractor to fulfill their obligations under the CDM Regulations 2015

Hazard Ref.	Hazard Type (Construction/Maintenance /Use/Adaption)	Hazard Discription	Mitigation Measures / Residual Risk
⚠1	During site investigation works	Existing buried services. Scan prior and during all excavations.	
⚠2	During site investigation works	Existing Medium Pressure Gas Main.	
⚠3	During site investigation works	TBA	

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www.ibexconsultant.com

Trial Pit Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497718.35 N102431.98
Project No. : ICE0353	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
CBR01	TP	6.00m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30 - 0.90	B		0.30	5.70		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
					0.90	5.10		Yellowish brown slightly sandy slightly gravelly silty CLAY with occasional chalk deposits and rare roots and rootlets. Gravel is fine to medium and sub-angular. RIVER TERRACE DEPOSITS
					1.00	5.00		Light brown light grey mottled sandy silty CLAY. RIVER TERRACE DEPOSITS
								End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
1.60	0.30						

Remarks

1. Pit location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Pit remained dry and backfilled on completion.

Trial Pit Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497683.83 N102456.65
Project No. : ICE0353	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
CBR02	TP	5.77m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.15 - 1.00	B		0.15	5.62		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
								Yellowish brown slightly sandy slightly gravelly silty CLAY with occasional chalk deposits and rare roots and rootlets. Gravel is fine to medium and sub-angular. RIVER TERRACE DEPOSITS
					1.00	4.77		End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
1.40	0.30						

Remarks

1. Pit location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Pit remained dry and backfilled on completion.

Trial Pit Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497632.73 N102473.95
Project No. : ICE0353	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
CBR03	TP	5.76m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.32 - 1.00	B		0.32	5.44		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
					1.00	4.76		Yellowish brown slightly sandy slightly gravelly silty CLAY with occasional chalk deposits and rare roots and rootlets. Gravel is fine to medium and sub-angular. Occasional flint gravel. RIVER TERRACE DEPOSITS
					1.05	4.71		Light brown gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
								End of Borehole at 1.050m

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2
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4
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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
1.46	0.30						

Remarks

1. Pit location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Pit remained dry and backfilled on completion.

Trial Pit Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497591.37 N102512.41
Project No. : ICE0353	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
CBR04	TP	5.61m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.50 - 1.00	B		0.46	5.15		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
					1.00	4.61		Yellowish brown slightly sandy slightly gravelly silty CLAY with chalk fragments, occasional chalk deposits and rare roots and rootlets. Gravel is fine to medium and sub-angular including flint. RIVER TERRACE DEPOSITS
								End of Borehole at 1.000m

1
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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
1.70	0.30						

Remarks

1. Pit location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Pit remained dry and backfilled on completion.

Trial Pit Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497620.08 N102558.30
Project No. : ICE0353	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
CBR05	TP	5.77m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.40 - 1.28	B		0.26	5.51		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
					1.28	4.49		Yellowish brown slightly sandy slightly gravelly silty CLAY with chalk fragments and occasional chalk deposits. Gravel is fine to medium and subangular including flint. RIVER TERRACE DEPOSITS
								End of Borehole at 1.280m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
1.40	0.30						

Remarks

1. Pit location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Pit remained dry and backfilled on completion.

Trial Pit Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497669.02 N102539.36
Project No. : ICE0353	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
CBR06	TP	6.23m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30 - 1.10	B		0.27	5.96		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
					1.10	5.13		Yellowish brown slightly sandy slightly gravelly silty CLAY with occasional chalk deposits and rare roots and rootlets. Gravel is fine to medium and sub-angular. RIVER TERRACE DEPOSITS
					1.40	4.83		Pale brown greenis grey mottled sandy silty CLAY. RIVER TERRACE DEPOSITS
								End of Borehole at 1.400m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
1.45	0.30						

Remarks

1. Pit location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Pit remained dry and backfilled on completion.

Trial Pit Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497713.83 N102519.75
Project No. : ICE0353	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
CBR07	TP	6.24m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10 - 1.00	B		0.11	6.13		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
								Yellowish brown slightly sandy slightly gravelly silty CLAY with occasional chalk deposits. Gravel is fine to medium and sub-angular. RIVER TERRACE DEPOSITS
					1.00	5.24		End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
1.53	0.30						

Remarks

1. Pit location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Pit remained dry and backfilled on completion.

Trial Pit Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497566.21 N102483.83
Project No. : ICE0353	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
CBR08	TP	5.53m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.28	5.25		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
		0.90 - 1.60	B					Yellowish brown slightly sandy slightly gravelly silty CLAY with occasional chalk deposits. Gravel is fine to medium and sub-angular. RIVER TERRACE DEPOSITS
					1.63	3.90		End of Borehole at 1.630m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
1.50	0.30						

Remarks

1. Pit location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Pit remained dry and backfilled on completion.

Trial Pit Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497549.15 N102419.68
Project No. : ICE0353	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
CBR09	TP	5.14m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.31 - 1.00	B		0.31	4.83		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
					1.00	4.14		Orangish brown slightly sandy silty CLAY with occasional dark grey stains. RIVER TERRACE DEPOSITS
								End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
1.61	0.30						

Remarks

1. Pit location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Pit remained dry and backfilled on completion.

Trial Pit Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497485.83 N102423.30
Project No. : ICE0353	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
CBR10	TP	4.00m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30 - 1.10	B		0.26	3.74		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
					1.10	2.90		Yellowish brown slightly sandy slightly gravelly silty CLAY with chalk fragments, occasional chalk deposits and rare roots and rootlets. Gravel is fine to medium and sub-angular including flint. RIVER TERRACE DEPOSITS
								End of Borehole at 1.100m

1
2
3
4
5

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
1.60	0.30						

Remarks

1. Pit location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Pit remained dry and backfilled on completion.

Trial Pit Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497516.07 N102508.70
Project No. : ICE0353	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
CBR11	TP	4.83m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.27 - 0.95	B		0.27	4.56		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
					0.95	3.88		Yellowish brown slightly sandy slightly gravelly silty CLAY with occasional chalk deposits. Gravel is fine to medium and sub-angular. RIVER TERRACE DEPOSITS
					1.20	3.63		Light brown pale yellowish chalky CLAY. RIVER TERRACE DEPOSITS
								End of Borehole at 1.200m

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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
1.40	0.30						

Remarks

1. Pit location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Pit remained dry and backfilled on completion.

Trial Pit Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497507.81 N102365.80
Project No. : ICE0353	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
CBR12	TP	4.20m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.31 - 1.15	B		0.31	3.89		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
					1.15	3.05		Yellowish brown slightly sandy slightly gravelly silty CLAY with chalk fragments and occasional chalk deposits. Gravel is fine to coarse and sub-angular including flint. RIVER TERRACE DEPOSITS
								End of Borehole at 1.150m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
1.37	0.30						

Remarks

1. Pit location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Pit remained dry and backfilled on completion.

Trial Pit Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497558.04 N102323.37
Project No. : ICE0353	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
CBR13	TP	4.67m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.24 - 1.20	B		0.24	4.43		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
					1.20	3.47		Yellowish brown slightly sandy slightly gravelly silty CLAY with occasional chalk deposits. Gravel is fine to medium and sub-angular. RIVER TERRACE DEPOSITS
								End of Borehole at 1.200m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
1.32	0.30						

Remarks

1. Pit location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Pit remained dry and backfilled on completion.

Trial Pit Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497594.02 N102365.11
Project No. : ICE0353	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
CBR14	TP	5.39m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30 - 1.20	B		0.26	5.13		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
					1.20	4.19		Brown slightly gravelly slightly sandy silty CLAY. Gravel is fine to medium and sub-angular. RIVER TERRACE DEPOSITS
								End of Borehole at 1.200m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
1.50	0.30						

Remarks

1. Pit location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Pit remained dry and backfilled on completion.

Trial Pit Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497632.58 N102416.02
Project No. : ICE0353	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
CBR15	TP	5.70m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		1.10 - 1.70	B		0.29	5.41		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
					1.73	3.97		Yellowish brown slightly sandy slightly gravelly silty CLAY with chalk fragments and occasional chalk deposits. Gravel is fine to coarse and sub-angular including flint. RIVER TERRACE DEPOSITS
								End of Borehole at 1.730m

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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
1.43	0.30						

Remarks

1. Pit location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Pit remained dry and backfilled on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497556.18 N102541.47
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS01	WS	5.11m AoD	LD	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL	
					0.29	4.82			
								Firm becoming soft light brown gravelly very sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS	
		0.90 - 1.00	ES						
		1.00	SPT	N=10 (2,2/3,2,3,2)					1
		1.20 - 1.50	D						
					1.50	3.61			
								Light greenish grey orange brown mottled slightly gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS	
		2.00	SPT	N=5 (1,2/1,1,1,2)	2.00	3.11		NO RECOVERY	2
					2.70	2.41			
								Stiff light greenish grey orange brown mottled slightly gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS	
		3.00	SPT	N=19 (4,4/4,4,5,6)	3.05	2.06			3
		3.20 - 3.50	D					Recovered as off white fine to coarse CHALK fragments in a putty chalk matrix with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP	
		3.90 - 4.00	ES						
		4.00	SPT	N=26 (7,7/6,7,6,7)					4
		4.20 - 4.50	D						
					4.50	0.61		NO RECOVERY	
					5.00	0.11			5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497556.18 N102541.47
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS01	WS	5.11m AoD	LD	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	SPT	N=50 (8,12/13,14,14,9)				End of Borehole at 5.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497598.18 N102524.16
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS02	WS	5.66m AoD	LD	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL	
					0.30	5.36			
								Firm brown and orangish brown slightly gravelly sandy slightly calcareous silty CLAY. Gravel is fine to coarse and sub-angular to rounded flint and chalk gravel. RIVER TERRACE DEPOSITS	
		0.70 - 1.00	D						
		1.00	SPT	N=15 (3,3/3,4,4,4)	1.00	4.66			1
								Firm light brown very sandy silty CLAY with frequent fine to coarse sub-angular chalk and rare fine to medium sub-rounded flint gravel. RIVER TERRACE DEPOSITS	
		1.70 - 2.00	D						
		1.90 - 2.00	ES						
		2.00	SPT	N=11 (3,2/3,2,3,3)					2
					2.50	3.16			
								Recovered as off white fine to coarse CHALK fragments in a putty chalk matrix with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP	
		2.70 - 3.00	D						
		3.00	SPT	N=22 (3,5/4,4,5,9)					3
		3.70 - 4.00	D						
		4.00	SPT	N=20 (5,5/5,4,5,6)					4
		4.70 - 5.00	D						
		4.90 - 5.00	ES						
					5.00	0.66			5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497598.18 N102524.16
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS02	WS	5.66m AoD	LD	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	SPT	N=48 (11,11/13,13,12,10)				End of Borehole at 5.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497628.63 N102510.75
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS03	WS	5.72m AoD	LD	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.19	5.53		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL	
								Soft light brown sandy silty CLAY. RIVER TERRACE DEPOSITS	
		1.00	SPT	N=6 (1,1/2,1,2,1)					1
		1.20 - 1.50	D						
		2.00	SPT	N=9 (2,1/2,3,2,2)	2.00	3.72			2
		2.20 - 2.50	D					Firm light greenish grey orange brown mottled slightly gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS	
		2.90 - 3.00	ES		2.95	2.77			
		3.00	SPT	N=19 (1,1/2,6,6,5)	3.00	2.72		Medium dense yellowish brown fine to medium clayey SAND. RIVER TERRACE DEPOSITS NO RECOVERY	3
		4.00	SPT	N=25 (3,4/4,6,7,8)	4.00	1.72			4
		4.20 - 4.50	D					Stiff light brown very sandy silty CLAY with frequent fine to coarse sub-angular chalk and rare fine to medium sub-rounded flint gravel. RIVER TERRACE DEPOSITS	
					4.80	0.92			
					4.90	0.82		Bluish grey gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel.	
					5.00	0.72			5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497628.63 N102510.75
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS03	WS	5.72m AoD	LD	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	SPT	N=47 (6,8/9,11,14,13)				Bluish grey gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
								Recovered as off white fine to coarse CHALK fragments in a putty chalk matrix with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP
								End of Borehole at 5.00m

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10

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497694.10 N102531.72
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS04	WS	6.29m AoD	LD	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.32	5.97		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL	
		0.70 - 1.00	D					Soft orangish brown slightly fine sandy silty CLAY with occasional dark grey carbonaceous flecks and rare fine gravel. RIVER TERRACE DEPOSITS	
		1.00	SPT	N=7 (1,2/1,2,2,2)					1
					1.20	5.09		Soft light greenish grey orange brown mottled slightly gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS	
		1.70 - 2.00	D						
		2.00	SPT	N=7 (1,1/1,2,2,2)					2
					2.10	4.19		Firm becoming stiff light brown orange brown greenish grey mottled gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS	
		2.70 - 3.00	D						
		3.00	SPT	N=14 (3,3/4,3,3,4)					3
		3.40 - 3.50	ES						
		3.70 - 4.00	D						
		4.00	SPT	N=19 (4,3/4,5,5,5)	4.00	2.29		Medium dense light grey gravelly clayey SAND. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS	4
		4.70 - 5.00	D		4.60	1.69		Very stiff light grey gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS	
					5.00	1.29			5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497694.10 N102531.72
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS04	WS	6.29m AoD	LD	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	SPT	N=43 (5,6/7,11,13,12)				End of Borehole at 5.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497749.58 N102506.01
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS05	WS	6.21m AoD	LD	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20 - 0.50	D		0.28	5.93		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL	
		1.00	SPT	N=6 (1,1/1,1,2,2)				Soft brown slightly sandy silty CLAY. RIVER TERRACE DEPOSITS	1
		1.20 - 1.50	D		1.10	5.11		Soft light brown gravelly sandy silty CLAY. Gravel is fine to coarse flint and chalk gravel. RIVER TERRACE DEPOSITS	
		1.90 - 2.00	ES						
		2.00	SPT	N=5 (1,1/1,1,1,2)					2
		2.20 - 2.50	D		2.20	4.01		Soft light brown greenish grey mottled gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS	
		3.00	SPT	N=5 (1,1/1,1,1,2)					3
		3.20 - 3.50	D		3.05	3.16		Firm very light brown gravelly sandy silty CLAY. RIVER TERRACE DEPOSITS	
		4.00	SPT	N=10 (3,4/2,2,3,3)					4
		4.90 - 5.00	ES		4.50	1.71		Medium dense very light brown gravelly clayey SAND. RIVER TERRACE DEPOSITS	
					5.00	1.21			5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497749.58 N102506.01
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS05	WS	6.21m AoD	LD	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	SPT	N=28 (4,4/5,6,10,7)				End of Borehole at 5.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497537.87 N102510.55
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS06	WS	5.04m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	4.84		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
								Firm becoming soft brown slightly sandy silty CLAY. RIVER TERRACE DEPOSITS
		0.70 - 1.00	D					
		1.00	SPT	N=8 (1,2/2,2,2,2)				
		1.40 - 1.50	ES					
		1.70 - 2.00	D					
		2.00	SPT	N=6 (0,1/1,1,2,2)	2.05	2.99		Soft to firm light orangish brown and bluish grey slightly gravelly fine sandy silty CLAY. Gravel is fine to medium and sub-rounded chalk gravel. RIVER TERRACE DEPOSITS
		2.70 - 3.00	D					
		3.00	SPT	N=13 (2,3/3,3,4,3)	3.00	2.04		NO RECOVERY
					3.80	1.24		Yellowish brown gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
		4.00	SPT	N=18 (5,6/5,5,4,4)	4.00	1.04		Recovered as off white fine to coarse CHALK fragments in a putty chalk matrix with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP
					4.20	0.84		End of Borehole at 4.20m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 2.5m, rose to 2.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497589.19 N102500.01
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS07	WS	5.43m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.29	5.14		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
		1.00	SPT	N=8 (1,2/1,2,3,2)				Firm becoming soft light brown orange brown greenish grey mottled slightly gravelly sandy silty CLAY with black flecks. Gravel is fine to coarse flint and chalk gravel. RIVER TERRACE DEPOSITS
		1.20 - 1.50	D					
		2.00	SPT	N=6 (2,2/2,1,1,2)	2.00	3.43		Recovered as off white fine to coarse CHALK fragments in a putty chalk matrix with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP
		2.20 - 2.50	D					
	▽							
	▼	3.00	SPT	N=11 (3,3/3,3,3,2)				
		3.20 - 3.50	D					
		3.90 - 4.00	ES					
		4.00	SPT	N=16 (4,5/4,3,3,6)	4.00	1.43		End of Borehole at 4.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 2.6m, rose to 1.8m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497630.12 N102488.84
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS08	WS	5.79m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	5.59		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
		0.90 - 1.00	ES					Soft light brown mottled slightly gravelly sandy silty CLAY with black flecks. Gravel is fine to coarse flint and chalk gravel. RIVER TERRACE DEPOSITS
		1.00	SPT	N=5 (1,1/1,1,1,2)				
		1.20 - 1.50	D					
					1.50	4.29		Firm light greenish grey orange brown mottled slightly gravelly sandy silty CLAY with orange brown sandy patches. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
		2.00	SPT	N=9 (2,2/2,2,2,3)				
		2.20 - 2.50	D					
		3.00	SPT	N=12 (2,3/2,3,3,4)	3.00	2.79		Firm light brown very sandy silty CLAY with frequent fine to coarse sub-angular chalk and rare fine to medium sub-rounded flint gravel. RIVER TERRACE DEPOSITS
		3.20 - 3.50	D					
		4.00	SPT	N=13 (3,3/3,3,3,4)	4.00	1.79		End of Borehole at 4.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 2.5m, rose to 2.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497672.14 N102480.03
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS09	WS	5.90m AoD	LD	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
					0.33	5.57		Firm becoming soft light brown sandy silty CLAY. RIVER TERRACE DEPOSITS
		0.70 - 1.00	ES					
		1.00	SPT	N=8 (1,2/2,2,2,2)				
		1.20 - 1.50	D					*with black flecks*
		1.70 - 2.00	D					
		2.00	SPT	N=7 (0,0/0,1,2,4)	2.00	3.90		*Gravel is fine to coarse flint gravel and fine to medium chalk gravel.* Soft becoming firm light brown clayey SAND/very sandy silty CLAY with frequent fine to medium chalk fragments. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
		2.20 - 2.50	D					
	▼	3.00	SPT	N=9 (0,1/2,2,2,3)	3.00	2.90		Firm to stiff light grey bluish/greenish gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
		3.20 - 3.50	D					*Soils are too wet and sandy*
	▽	4.00	SPT	N=19 (4,4/4,5,5,5)	4.00	1.90		NO RECOVERY
					5.00	0.90		

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497672.14 N102480.03
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS09	WS	5.90m AoD	LD	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	SPT	N=33 (3,8/7,8,8,10)				End of Borehole at 5.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497713.83 N102467.82
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS10	WS	6.04m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.25	5.80		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
								Firm light brown Light sandy silty CLAY. RIVER TERRACE DEPOSITS
		0.70 - 1.00	D					
		1.00	SPT	N=8 (1,2/2,2,2,2)				
		1.40 - 1.50	ES					
		1.70 - 2.00	D					
					1.80	4.24		Loose yellowish brown silty clayey very gravelly SAND. Gravel is fine to coarse and sub-angular to sub-rounded. RIVER TERRACE DEPOSITS
		2.00	SPT	N=8 (1,2/2,1,2,3)				
					2.40	3.64		Loose light brown orange brown gravelly clayey SAND/sandy CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
		2.70 - 3.00	D					
	▼	3.00	SPT	N=9 (2,3/2,2,3,2)				
					3.05	3.00		Light brown orange brown gravelly sandy CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
					3.20	2.84		Very stiff light brown bluish grey mottled sandy silty CLAY with orange brown sandy pockets. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
		3.40 - 3.50	ES					
		3.70 - 4.00	D					
	▽	4.00	SPT	N=50 (7,9/10,7,16,17)	4.00	2.04		End of Borehole at 4.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497499.59 N102473.65
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS11	WS	4.53m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.22	4.31		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL	
								Soft light brown gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS	
		1.00	SPT	N=5 (1,1/1,1,1,2)	1.00	3.53			1
		1.20 - 1.50	D					Soft to firm light brown very sandy silty CLAY. RIVER TERRACE DEPOSITS	
		2.00	SPT	N=9 (1,2/2,2,2,3)	2.00	2.53			2
		2.20 - 2.50	D					Firm light brown gravelly clayey SAND/sandy CLAY. RIVER TERRACE DEPOSITS	
		3.00	SPT	N=12 (1,3/2,3,3,4)					3
		3.20 - 3.50	D						
		3.90 - 4.00	ES						
		4.00	SPT	N=13 (7,3/3,3,3,4)	4.00	0.53			4
					4.20	0.33		Recovered as off white fine to coarse CHALK fragments in a putty chalk matrix with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP	
								End of Borehole at 4.00m	5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 2.7m, rose to 2.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497554.32 N102460.55
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS12	WS	5.48m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.24	5.24		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
								Soft light brown slightly gravelly sandy silty CLAY. RIVER TERRACE DEPOSITS
		0.70 - 1.00	D					
		1.00	SPT	N=4 (1,1/1,1,1,1)				
		1.70 - 2.00	D					
	▼	2.00	SPT	N=7 (1,2/2,2,1,2)				
					2.40	3.08		Firm yellowish brown gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
	▽	2.70 - 3.00	D					
		3.00	SPT	N=13 (2,3/2,5,4,2)	3.00	2.48		NO RECOVERY
		4.00	SPT	N=24 (5,5/5,5,7,7)	4.00	1.48		End of Borehole at 4.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 2.8m, rose to 2.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497601.88 N102446.30
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS13	WS	5.90m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	5.70		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
								Soft brown slightly gravelly slightly sandy silty CLAY. Gravel is fine to medium and sub-rounded. RIVER TERRACE DEPOSITS
		1.00	SPT	N=7 (1,1/2,2,2,1)				
		1.20 - 1.50	D					
					1.50	4.40		Firm light brown greenish grey mottled sandy silty CLAY. RIVER TERRACE DEPOSITS
		2.00	SPT	N=11 (1,2/3,2,2,4)				
		2.20 - 2.50	D					
					2.60	3.30		Stiff light brown very sandy silty CLAY with frequent fine to coarse sub-angular chalk. RIVER TERRACE DEPOSITS
		3.00	SPT	N=20 (4,4/5,5,5,5)				
		3.20 - 3.50	D					
		4.00	SPT	N=27 (6,5/5,6,7,9)	4.00	1.90		End of Borehole at 4.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 2.6m, rose to 1.8m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497659.86 N102439.09
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS14	WS	5.82m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.17	5.64		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
								Soft to firm light brown greenish grey mottled gravelly sandy silty CLAY with black flecks. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
		0.70 - 1.00	D					
		0.90 - 1.00	ES					
		1.00	SPT	N=7 (1,1/2,2,2,1)				
		1.70 - 2.00	D					
		2.00	SPT	N=7 (2,2/2,2,2,1)				
		2.40 - 2.50	ES					
		2.70 - 3.00	D					
		3.00	SPT	N=11 (3,2/3,2,3,3)	3.10	2.72		Firm bluish grey orange brown gravelly sandy silty CLAY with sand pockets. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
		3.70 - 4.00	D					
		4.00	SPT	N=14 (4,2/3,4,3,4)				
		4.70 - 5.00	D					
		5.00	SPT	N=13 (4,2/3,3,3,4)	5.00	0.82		End of Borehole at 5.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497688.33 N102427.90
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS15	WS	5.67m AoD	LD	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL	
					0.27	5.40		Soft light brown sandy silty CLAY. RIVER TERRACE DEPOSITS	
		1.00	SPT	N=4 (1,0/1,1,1,1)	1.00	4.67		Soft to firm light yellowish brown slightly mottled orangish brown slightly gravelly slightly fine sandy slightly calcareous silty CLAY. Gravel is fine to medium and sub-angular to sub-rounded chalk. RIVER TERRACE DEPOSITS	1
		1.20 - 1.50	D						
		2.00	SPT	N=4 (1,1/1,1,1,1)					2
		2.20 - 2.50	D						
		2.90 - 3.00	ES						
		3.00	SPT	N=9 (1,1/1,2,3,3)					3
		3.20 - 3.50	D						
					3.50	2.17		Stiff light grey greenish gravelly sandy silty CLAY with orange brown sandy pockets. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS	
		4.00	SPT	N=19 (4,4/5,5,5,4)					4
		4.20 - 4.50	D						
		4.90 - 5.00	ES		4.90	0.77		Loose to medium dense light grey greenish gravelly	
		5.00	SPT	N=10 (2,2/2,2,3,3)	5.00	0.67			5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497688.33 N102427.90
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS15	WS	5.67m AoD	LD	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				Loose to medium dense light grey greenish gravelly SAND. RIVER TERRACE DEPOSITS End of Borehole at 5.00m

6
7
8
9
10

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497501.31 N102427.49
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS16	WS	4.47m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.18	4.29		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL	
								Soft light brown gravelly sandy silty CLAY. Gravel is fine to coarse flint and chalk gravel. RIVER TERRACE DEPOSITS	
		1.00	SPT	N=7 (1,1/2,2,1,2)	1.00	3.47		Soft light brown orange brown gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS	1
		2.00	SPT	N=7 (2,1/2,2,2,1)	2.00	2.47		Soft light grey greenish grey orange brown mottled gravelly sandy silty CLAY. Gravel is fine to coarse flint and chalk gravel. RIVER TERRACE DEPOSITS	2
		3.00	SPT	N=8 (1,1/1,2,2,3)	3.00	1.47		NO RECOVERY	3
					3.50	0.97		Firm light grey gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS	
		4.00	SPT	N=13 (5,4/3,3,3,4)	4.00	0.47		End of Borehole at 4.00m	4
									5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 2.7m, rose to 2.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497552.86 N102418.73
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS17	WS	5.36m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.16	5.20		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
		0.70 - 1.00	D					Firm light brown mottled slightly gravelly sandy silty CLAY with black flecks. Gravel is fine to coarse flint and chalk gravel. RIVER TERRACE DEPOSITS
		0.90 - 1.00	ES					
		1.00	SPT	N=9 (1,1/2,2,2,3)				
		1.70 - 2.00	D		1.70	3.66		Soft light brown gravelly sandy silty CLAY. Gravel is fine to coarse flint and chalk gravel. RIVER TERRACE DEPOSITS
		2.00	SPT	N=6 (2,3/2,2,1,1)				
					2.50	2.86		Recovered as off white fine to coarse CHALK fragments in a putty chalk matrix with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP
		2.70 - 3.00	D					
		2.90 - 3.00	ES					
	▼	3.00	SPT	N=8 (1,0/1,2,3,2)				
		3.70 - 4.00	D					
	▼	4.00	SPT	N=19 (2,4/5,4,5,5)				
		4.70 - 5.00	D					
	▽	5.00	SPT	N=25 (6,5/6,6,6,7)	5.00	0.36		End of Borehole at 5.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497586.17 N102414.61
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS18	WS	5.65m AoD	LD	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.25	5.40		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
		1.00	SPT	N=10 (1,1/2,2,3,3)				Firm light brown sandy silty CLAY. RIVER TERRACE DEPOSITS
		1.20 - 1.50	D					
					1.40	4.25		Light brown orange brown greenish grey mottled sandy silty CLAY. RIVER TERRACE DEPOSITS
					1.60	4.05		Soft becoming very soft light brown orange brown greenish grey mottled gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
		1.90 - 2.00	ES					
		2.00	SPT	N=6 (3,2/1,2,1,2)				
		2.20 - 2.50	D					
	▼	3.00	SPT	N=3 (1,0/1,1,1,0)	3.00	2.65		Very soft to firm yellowish brown slightly gravelly fine sandy calcareous silty CLAY. Gravel is fine to medium and sub-rounded. RIVER TERRACE DEPOSITS
		3.20 - 3.50	D					
	▽	4.00	SPT	N=13 (3,3/4,3,3,3)				
		4.40 - 4.50	ES					
					4.50	1.15		Recovered as off white fine to coarse CHALK fragments in a putty chalk matrix with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP
		4.70 - 5.00	D					
					5.00	0.65		

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497586.17 N102414.61
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS18	WS	5.65m AoD	LD	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	SPT	N=33 (10,10/11,8,8,6)				End of Borehole at 5.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497629.55 N102409.85
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS19	WS	5.75m AoD	LD	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.30	5.45		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
		0.70 - 1.00	D					Soft light brown orange brown mottled sandy silty CLAY with black flecks. RIVER TERRACE DEPOSITS
		1.00	SPT	N=7 (1,1/2,1,2,2)				
		1.70 - 2.00	D					
	▼	2.00	SPT	N=7 (2,2/1,2,2,2)	2.00	3.75		Soft becoming firm light brown gravelly clayey SAND/ very sandy silty CLAY. Gravel is fine to coarse and sub-angular to sub-rounded. RIVER TERRACE DEPOSITS
	▽	2.70 - 3.00	D					
		3.00	SPT	N=14 (2,3/3,3,4,4)	3.00	2.75		Medium dense light brown gravelly clayey SAND. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
		3.40 - 3.50	ES					
		3.70 - 4.00	D					
		4.00	SPT	N=16 (5,3/2,4,5,5)	4.00	1.75		NO RECOVERY
		5.00	SPT	N=16 (4,3/3,3,5,5)	5.00	0.75		

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 2.8m, rose to 2.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497629.55 N102409.85
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS19	WS	5.75m AoD	LD	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					5.20	0.55		Recovered as off white fine to coarse CHALK fragments in a putty chalk matrix with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP End of Borehole at 5.20m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 2.8m, rose to 2.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton		Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN		Contractor: 3D	Co-ords: E497664.58 N102397.27
Project No. : ICE0353		Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS20	WS	5.80m AoD	LD	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
					0.28	5.52		Soft light brown sandy silty CLAY. RIVER TERRACE DEPOSITS
		0.70 - 1.00	D					
		1.00	SPT	N=6 (1,1/1,2,1,2)				
		1.70 - 2.00	D					
					1.80	4.00		
		1.90 - 2.00	ES					Soft light brown gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
		2.00	SPT	N=5 (2,1/1,1,1,2)	2.00	3.80		Soft light brown very sandy silty CLAY. RIVER TERRACE DEPOSITS
		2.70 - 3.00	D					
	▼	3.00	SPT	N=13 (1,1/1,3,4,5)				
					3.10	2.70		Recovered as off white fine to coarse CHALK fragments in a putty chalk matrix with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP
		3.70 - 4.00	D					
	▽	4.00	SPT	N=21 (2,3/3,6,6,6)				
		4.70 - 5.00	D					
					5.00	0.80		

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497664.58 N102397.27
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS20	WS	5.80m AoD	LD	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	SPT	N=41 (12,10/12,10,10,9)				End of Borehole at 5.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497480.51 N102394.48
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS21	WS	3.93m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25	3.68		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL	
								Soft brown greenish grey slightly gravelly sandy silty CLAY. Gravel is fine to coarse flint and chalk gravel. RIVER TERRACE DEPOSITS	
		0.70 - 1.00	D						
		0.90 - 1.00	ES						
		0.90 - 1.00	ES						
		1.00	SPT	N=6 (1,1/1,2,1,2)	1.00	2.93			1
								Soft light brown gravelly sandy silty CLAY. Gravel is fine to coarse flint and chalk gravel. RIVER TERRACE DEPOSITS	
		1.70 - 2.00	D						
		1.70 - 2.00	D		1.80	2.13			
								Soft to firm light brown slightly sandy silty CLAY with frequent fine to medium chalk fragments. RIVER TERRACE DEPOSITS	
		2.00	SPT	N=17 (3,4/5,4,4,4)	2.00	1.93		NO RECOVERY	2
					2.60	1.33			
		2.70 - 3.00	D					Medium dense light yellowish brown gravelly clayey SAND. RIVER TERRACE DEPOSITS	
		2.70 - 3.00	D						
	▼	3.00	SPT	N=17 (3,2/2,3,5,7)	3.00	0.93			3
								Recovered as off white fine to coarse CHALK fragments in a putty chalk matrix with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP	
		3.70 - 4.00	D						
		3.70 - 4.00	D						
	▽	4.00	SPT	N=31 (9,12/7,8,8,8)	4.00	-0.07		End of Borehole at 4.00m	4
									5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 2.0m, rose to 1.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497515.87 N102385.99
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS22	WS	4.63m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25	4.38		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL	
		0.70 - 1.00	D					Firm light brown slightly gravelly slightly sandy silty CLAY. Gravel is fine to medium and sub-angular flint and chalk gravel. RIVER TERRACE DEPOSITS	
		0.70 - 1.00	D						
		1.00	SPT	N=11 (2,2/2,3,3,3)					1
					1.10	3.53		Loose light brown clayey silty SAND. RIVER TERRACE DEPOSITS	
		1.40 - 1.50	ES						
		1.40 - 1.50	ES						
		1.70 - 2.00	D						
		1.70 - 2.00	D						
		2.00	SPT	N=7 (1,2/1,2,2,2)					2
		2.70 - 3.00	D						
		2.70 - 3.00	D						
	▼	3.00	SPT	N=7 (1,2/1,2,2,2)	3.00	1.63			3
								Recovered as light grey fine to coarse CHALK fragments with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP	
					3.30	1.33		Recovered as off white fine to coarse CHALK fragments in a putty chalk matrix with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP	
		3.70 - 4.00	D						
		3.70 - 4.00	D						
	▽	4.00	SPT	N=22 (7,5/5,6,6,5)	4.00	0.63			4
								End of Borehole at 4.00m	
									5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 2.3m, rose to 1.5m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497548.01 N102379.52
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS23	WS	5.16m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.22	4.94		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL	
								Firm becoming very soft light brown orange brown greenish grey mottled slightly gravelly sandy silty CLAY with black flecks. Gravel is fine to coarse flint and chalk gravel. RIVER TERRACE DEPOSITS	1
		1.00	SPT	N=10 (1,2/3,2,2,3)					
		1.20 - 1.50	D						
		2.00	SPT	N=3 (1,1/0,1,1,1)	2.00	3.16			2
		2.20 - 2.50	D					Very loose light brown clayey silty SAND. RIVER TERRACE DEPOSITS	
		2.20 - 2.50	D						
					2.50	2.66			
								Firm light brown orange brown greenish grey sandy silty CLAY. RIVER TERRACE DEPOSITS	3
		3.00	SPT	N=8 (1,1/2,1,2,3)					
		3.20 - 3.50	D						
		3.20 - 3.50	D						
					3.40	1.76			
								Firm becoming very stiff light grey orange brown gravelly sandy silty CLAY. Gravel is fine to coarse flint and chalk gravel. RIVER TERRACE DEPOSITS	
		3.90 - 4.00	ES						
		3.90 - 4.00	ES		4.00	1.16			4
		4.00	SPT	N=41 (5,8/8,11,10,12)				End of Borehole at 4.00m	
									5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 2.5m, rose to 2.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497581.55 N102377.88
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS24	WS	5.42m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
					0.30	5.12		Firm light brown sandy silty CLAY with black flecks. RIVER TERRACE DEPOSITS
		0.70 - 1.00	D					
		1.00	SPT	N=8 (1,1/2,2,2,2)				
					1.50	3.92		Soft light brown gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
		1.70 - 2.00	D					
		2.00	SPT	N=6 (1,2/1,2,2,1)				
					2.60	2.82		Soft to firm light brown very sandy silty CLAY with frequent fine to medium chalk fragments RIVER TERRACE DEPOSITS
		2.70 - 3.00	D					
	▼	3.00	SPT	N=10 (2,2/2,3,3,2)				
		3.70 - 4.00	D					
	▽	4.00	SPT	N=12 (1,2/3,3,3,3)				
		4.40 - 4.50	ES					
					4.50	0.92		Firm light grey gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
		4.70 - 5.00	D					
		5.00	SPT	N=16 (2,2/4,3,5,4)	5.00	0.42		End of Borehole at 5.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497617.24 N102370.77
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS25	WS	5.64m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
					0.28	5.36		
								Very soft to soft light brown orange brown mottled sandy silty CLAY with black flecks. RIVER TERRACE DEPOSITS
		1.00	SPT	N=3 (1,0/1,0,1,1)				
		2.00	SPT	N=5 (1,1/1,1,2,1)				
					2.50	3.14		
								Very soft brown orange brown gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
		3.00	SPT	N=3 (1,1/1,1,1,0)				
					3.20	2.44		
								Firm light grey gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
		4.00	SPT	N=14 (3,4/2,2,3,7)	4.00	1.64		
								End of Borehole at 4.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 2.9m, rose to 2.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497649.81 N102357.67
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS26	WS	5.67m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL	
					0.33	5.34		Brown sandy silty CLAY. RIVER TERRACE DEPOSITS	
		1.00	SPT	N=6 (1,1/1,1,2,2)	1.00	4.67		Reddish brown sandy silty CLAY. RIVER TERRACE DEPOSITS	1
		1.20 - 1.50	D						
					1.50	4.17		Soft light brown greenish grey mottled sandy silty CLAY. RIVER TERRACE DEPOSITS	
					1.90	3.77		Soft light brown orange brown mottled sandy silty CLAY. RIVER TERRACE DEPOSITS	
		2.00	SPT	N=5 (1,2/1,1,1,2)					2
		2.20 - 2.50	D						
					2.40	3.27		Loose becoming medium dense light brown clayey gravelly SAND. Gravel is fine to medium and sub-angular. RIVER TERRACE DEPOSITS	
		3.00	SPT	N=8 (1,1/2,2,2,2)					3
		3.20 - 3.50	D						
		3.90 - 4.00	ES						
		4.00	SPT	N=9 (4,3/2,2,3,2)					4
		4.20 - 4.50	D						
		5.00	SPT	N=22 (3,3/5,5,5,7)	5.00	0.67		End of Borehole at 5.00m	5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497469.00 N102357.83
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS27	WS	3.54m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL	
					0.30	3.24			
								Soft light brown slightly gravelly sandy silty CLAY. Gravel is fine to medium and sub-angular. RIVER TERRACE DEPOSITS	
		0.60 - 0.90	D						
		1.00	SPT	N=3 (2,1/1,0,1,1)	0.95	2.59			1
								Very loose light brown slightly gravelly clayey SAND. Gravel is fine to coarse flint and chalk gravel. RIVER TERRACE DEPOSITS	
					1.60	1.94			
		1.70 - 2.00	D					Soft light brown slightly gravelly sandy silty CLAY. Gravel is fine to coarse flint and chalk gravel. RIVER TERRACE DEPOSITS	
	▼	2.00	SPT	N=7 (2,1/2,2,1,2)	2.00	1.54			2
								NO RECOVERY	
		2.70 - 3.00	D						
	▽				2.80	0.74			
		3.00	SPT	N=12 (1,2/3,3,3,3)				Firm light grey gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS	3
		3.70 - 4.00	D						
		3.90 - 4.00	ES						
		4.00	SPT	N=17 (3,3/4,3,5,5)	4.00	-0.46			4
								End of Borehole at 4.00m	
									5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 2.7m, rose to 2.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497503.54 N102351.88
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS28	WS	4.13m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.19	3.94		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
								Soft to firm brown mottled sandy silty CLAY. RIVER TERRACE DEPOSITS
		1.00	SPT	N=6 (1,1/2,1,2,1)				
		1.20 - 1.50	D					
		1.90 - 2.00	ES					
		2.00	SPT	N=8 (1,1/2,2,2,2)	2.00	2.13		Recovered as off white fine to coarse CHALK fragments in a putty chalk matrix with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP
		2.20 - 2.50	D					
	▼	3.00	SPT	N=16 (2,2/3,3,4,6)	3.00	1.13		Yellowish brown gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
		3.20 - 3.50	D		3.20	0.93		Recovered as off white fine to medium CHALK fragments in a putty chalk matrix with occasional fine to coarse sub-angular to sub-rounded flint gravel. WHITE CHALK SUBGROUP
	▽	4.00	SPT	N=20 (5,6/5,5,6,4)	4.00	0.13		End of Borehole at 4.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 3.8m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497538.69 N102340.19
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS29	WS	4.74m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.22	4.52		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
								Soft brown orange brown greenish grey mottled sandy silty CLAY with black flecks. RIVER TERRACE DEPOSITS
		0.70 - 1.00	D					
		1.00	SPT	N=5 (1,1/1,1,2,1)				
		1.70 - 2.00	D					
		2.00	SPT	N=4 (1,0/1,1,1,1)	2.00	2.74		Soft to firm light grey orange brown gravelly sandy silty CLAY. Gravel is fine to coarse flint and chalk gravel. RIVER TERRACE DEPOSITS
		2.70 - 3.00	D					
	▼	3.00	SPT	N=8 (1,2/1,2,2,3)				
		3.70 - 4.00	D					
					3.80	0.94		Firm brownish grey slightly gravelly sandy silty CLAY. Gravel is fine to medium and sub-angular chalk gravel. RIVER TERRACE DEPOSITS
		3.90 - 4.00	ES					
	▽	4.00	SPT	N=9 (3,2/3,2,2,2)	4.00	0.74		End of Borehole at 4.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497581.47 N102329.44
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS30	WS	5.27m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
					0.32	4.95		Very soft to firm brown sandy silty CLAY. RIVER TERRACE DEPOSITS
		1.00	SPT	N=3 (1,1/0,1,1,1)				
		1.20 - 1.50	D					
		1.90 - 2.00	ES					
		2.00	SPT	N=8 (1,1/1,2,2,3)	2.00	3.27		Firm light brown sandy silty CLAY with occasional fine to medium chalk fragments. RIVER TERRACE DEPOSITS
		2.20 - 2.50	D					
		3.00	SPT	N=11 (1,2/2,1,3,5)	3.05	2.22		Firm light grey orange brown gravelly sandy silty CLAY. Gravel is fine to coarse flint and chalk gravel. RIVER TERRACE DEPOSITS
		3.20 - 3.50	D					
		4.00	SPT	N=16 (4,3/4,3,5,4)	4.00	1.27		End of Borehole at 4.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 1.8m, rose to 1.5m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497625.42 N102320.98
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS31	WS	5.79m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL	
					0.35	5.44			
								Soft brown slightly fine sandy silty CLAY with occasional fine rootlets. RIVER TERRACE DEPOSITS	
		0.70 - 1.00	D						
		1.00	SPT	N=7 (1,2/2,2,1,2)					1
					1.20	4.59			
								Soft light greenish grey orange brown mottled gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS	
		1.40 - 1.50	ES						
		1.70 - 2.00	D						
		2.00	SPT	N=6 (1,1/1,1,2,2)					2
		2.70 - 3.00	D						
		3.00	SPT	N=7 (2,2/1,2,2,2)					3
					3.05	2.74		Loose light grey clayey SAND. RIVER TERRACE DEPOSITS	
					3.80	1.99		Loose orange brown clayey SAND. RIVER TERRACE DEPOSITS	
		4.00	SPT	N=7 (1,1/1,2,2,2)					4
					4.60	1.19		Firm bluish grey sandy silty CLAY. RIVER TERRACE DEPOSITS	
		4.70 - 5.00	D						
		5.00	SPT	N=13 (3,3/4,3,3,3)	5.00	0.79		End of Borehole at 5.00m	5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497461.11 N102316.72
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS32	WS	3.22m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
					0.28	2.94		
		0.70 - 1.00	D					Firm bluish brown and greyish brown slightly mottled orangish brown slightly fine sandy silty CLAY with scattered fine to medium sub-rounded gravel. RIVER TERRACE DEPOSITS
		1.00	SPT	N=10 (1,2/2,2,3,3)				
					1.50	1.72		
	▼	1.70 - 2.00	D					Very soft orange brown light grey mottled very gravelly sandy silty CLAY. Gravel is fine to coarse flint and chalk gravel. RIVER TERRACE DEPOSITS
	▽	1.90 - 2.00	ES					
		2.00	SPT	N=3 (1,1/2,1,0,0)	2.00	1.23		Recovered as off white fine to coarse CHALK fragments in a putty chalk matrix with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP
		2.70 - 3.00	D					
					2.80	0.42		Stiff light brown very sandy silty CLAY with frequent fine to coarse sub-angular chalk and rare fine to medium sub-rounded flint gravel. RIVER TERRACE DEPOSITS
		3.00	SPT	N=26 (5,4/5,6,7,8)				
		3.70 - 4.00	D					
		4.00	SPT	N=27 (4,6/6,6,7,8)	4.00	-0.78		End of Borehole at 4.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 2.0m, rose to 1.8m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497506.29 N102307.67
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS33	WS	4.00m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.23	3.77		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
								Soft light brown sandy silty CLAY. RIVER TERRACE DEPOSITS
		0.70 - 1.00	D					
		1.00	SPT	N=4 (1,1/1,1,1,1)				
		1.70 - 2.00	D					
					1.80	2.20		
		2.00	SPT	N=8 (2,2/1,2,1,4)				Firm light brown very sandy silty CLAY/clayey SAND with frequent fine to medium sub-angular chalk and rare coarse sub-rounded flint gravel. RIVER TERRACE DEPOSITS
		2.70 - 3.00	ES					
		2.90 - 3.00	D					
		3.00	SPT	N=20 (3,5/4,4,6,6)	3.00	1.00		Medium dense orange brown gravelly clayey SAND. RIVER TERRACE DEPOSITS
		3.70 - 4.00	D					
					3.80	0.20		Firm to stiff light brown very sandy silty CLAY with frequent fine to coarse sub-angular chalk and rare fine to medium sub-rounded flint gravel. RIVER TERRACE DEPOSITS
		4.00	SPT	N=17 (4,4/4,3,5,5)	4.00	0.00		End of Borehole at 4.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 2.0m, rose to 1.8m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497548.03 N102291.68
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS34	WS	4.63m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.21	4.42		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
								Firm light brown sandy silty CLAY. RIVER TERRACE DEPOSITS
		1.00	SPT	N=15 (1,2/3,4,4,4)				
		1.20 - 1.50	D		1.20	3.43		Medium dense becoming loose and then medium dense light brown clayey SAND with frequent fine to medium chalk fragments. RIVER TERRACE DEPOSITS
		2.00	SPT	N=11 (3,2/3,3,2,3)				
		2.20 - 2.50	D					
	▼							
	▽	3.00	SPT	N=9 (2,2/2,3,2,2)				
		3.20 - 3.50	D					
		3.70 - 4.00	ES					
		4.00	SPT	N=19 (2,5/4,4,6,5)	4.00	0.63		End of Borehole at 4.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 3.0m, rose to 2.5m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton		Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN		Contractor: 3D	Co-ords: E497602.61 N102278.82
Project No. : ICE0353		Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS35	WS	5.05m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
					0.38	4.67		
								Soft brown and orangish brown slightly fine sandy silty CLAY with scattered dark grey carbonaceous flecks. RIVER TERRACE DEPOSITS
		0.70 - 1.00	D					
		1.00	SPT	N=5 (1,1/1,1,1,2)				
					1.20	3.85		
								Firm brown gravelly sandy silty CLAY. Gravel is fine to coarse flint and chalk gravel. RIVER TERRACE DEPOSITS
		1.70 - 2.00	D					
		2.00	SPT	N=12 (2,2/3,2,3,4)	2.00	3.05		
								Firm light brown orange brown light grey mottled gravelly sandy silty CLAY. Gravel is fine to coarse flint and chalk gravel. RIVER TERRACE DEPOSITS
		2.70 - 3.00	D					
	▼	3.00	SPT	N=19 (3,4/3,5,5,6)	3.00	2.05		
								Recovered as off white fine to coarse CHALK fragments in a putty chalk matrix with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP
		3.40 - 3.50	ES		3.40	1.65		
								Firm light yellowish brown gravelly clayey SAND/ sandy CLAY. Gravel is fine to coarse flint and chalk gravel. RIVER TERRACE DEPOSITS
		3.70 - 4.00	D					
	▽	4.00	SPT	N=10 (2,2/3,2,2,3)	4.00	1.05		
								End of Borehole at 4.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497449.14 N102270.75
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS36	WS	3.14m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.19	2.95		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
								Firm light yellowish brown slightly gravelly fine sandy calcareous silty CLAY. Gravel is fine to medium and sub-rounded chalk. Occasional flint gravel. RIVER TERRACE DEPOSITS
		0.70 - 1.00	D					
		1.00	SPT	N=8 (2,2/2,2,2,2)				
		1.40 - 1.50	ES					
		1.70 - 2.00	D					
		2.00	SPT	N=9 (3,2/2,2,3,2)				
		2.70 - 3.00	D		2.70	0.44		Firm light brown mottled grey very sandy silty CLAY with frequent fine to coarse chalk fragments. RIVER TERRACE DEPOSITS
		3.00	SPT	N=11 (1,1/2,3,3,3)	3.00	0.14		NO RECOVERY
		3.90 - 4.20	D					
		4.00	SPT	N=15 (1,5/4,4,3,4)	4.00	-0.86		Recovered as off white fine to coarse CHALK fragments in a putty chalk matrix with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP
					4.20	-1.06		End of Borehole at 4.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 1.8m, rose to 1.5m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497492.40 N102264.80
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS37	WS	3.84m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	3.64		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
		0.60 - 0.90	D					Light brown sandy silty CLAY. RIVER TERRACE DEPOSITS
					0.90	2.94		
		1.00	SPT	N=0 (0,0/0,0,0,0)				Very loose orange brown gravelly clayey SAND. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
		1.70 - 2.00	D					
					1.80	2.04		
		2.00	SPT	N=12 (3,4/2,4,3,3)				Light brownish white fine to coarse CHALK fragments in a putty chalk matrix with rare fine to medium sub-rounded flint gravel. WHITE CHALK SUBGROUP
		2.70 - 3.00	D					
		2.90 - 3.00	ES					
		3.00	SPT	N=14 (4,4/4,3,4,3)	3.00	0.84		NO RECOVERY
		3.70 - 4.00	D					
					3.80	0.04		Recovered as light grey fine to coarse CHALK fragments with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP
		4.00	SPT	N=17 (2,2/3,4,5,5)	4.00	-0.16		End of Borehole at 4.00m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 1.5m, rose to 1.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497525.82 N102256.43
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS38	WS	4.22m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.26	3.96		Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL
		0.70 - 1.00	D					Soft becoming firm brown slightly sandy silty CLAY. RIVER TERRACE DEPOSITS
		0.90 - 1.00	ES					
		1.00	SPT	N=5 (0,1/1,1,2,1)				
		1.70 - 2.00	D					
		2.00	SPT	N=15 (2,3/4,3,4,4)	2.05	2.17		Medium dense yellowish brown gravelly clayey SAND. RIVER TERRACE DEPOSITS
		2.70 - 3.00	D		2.60	1.62		Recovered as light grey fine to coarse CHALK fragments with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP
		3.00	SPT	N=17 (4,4/5,4,4,4)	3.00	1.22		NO RECOVERY
		3.70 - 4.00	D					
		4.00	SPT	N=24 (3,4/4,6,7,7)	3.80	0.42		Recovered as light grey fine to coarse CHALK fragments with rare fine to coarse sub-rounded flint gravel. WHITE CHALK SUBGROUP
					4.20	0.02		End of Borehole at 4.20m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 1.4m, rose to 1.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497556.04 N102249.99
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS39	WS	4.62m AoD	LD	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL	
					0.29	4.33		Soft to firm brown slightly fine sandy silty CLAY with occasional roots and rootlets and scattered fine gravel. RIVER TERRACE DEPOSITS	
		0.70 - 1.00	D						
		1.00	SPT	N=6 (1,1/1,2,1,2)					1
		1.70 - 2.00	D						
		2.00	SPT	N=8 (1,2/2,2,2,2)					2
		2.30 - 2.60	D						
					2.50	2.12		Orange brown fine grained SAND. RIVER TERRACE DEPOSITS	
					2.55	2.07			
		2.70 - 3.00	D		2.70	1.92		Brown orange brown light grey mottled sandy silty CLAY. RIVER TERRACE DEPOSITS	
		3.00	SPT	N=10 (1,2/2,2,3,3)	3.00	1.62		Firm light brown greenish grey mottled gravelly sandy silty CLAY with orange brown sand pockets. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS	3
								NO RECOVERY	
					3.55	1.07		Firm light brown mottled grey very sandy silty CLAY with frequent fine to coarse chalk fragments. RIVER TERRACE DEPOSITS	
		3.70 - 4.00	D						
		4.00	SPT	N=10 (1,2/2,3,2,3)	4.00	0.62		NO RECOVERY	4
					4.80	-0.18		Stiff light grey gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel.	
		4.90 - 5.00	ES						
		5.00	SPT	N=27 (7,6/6,7,7,7)	5.00	-0.38			5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 2.2m, rose to 1.8m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497556.04 N102249.99
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS39	WS	4.62m AoD	LD	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				Stiff light grey gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS
								End of Borehole at 5.00m

6
7
8
9
10

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 2.2m, rose to 1.8m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497583.63 N102238.85
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS40	WS	4.88m AoD	LD	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								Grass over greyish brown sandy silty clay with abundant roots and rootlets. TOPSOIL	
					0.35	4.53		Firm brown greenish grey mottled sandy silty CLAY. RIVER TERRACE DEPOSITS	
		0.70 - 1.00	D						
		1.00	SPT	N=8 (0,1/2,2,2,2)					1
					1.25	3.63		Orange brown clayey SAND. RIVER TERRACE DEPOSITS	
					1.40	3.48		Firm light brown greenish grey mottled sandy silty CLAY. RIVER TERRACE DEPOSITS	
		1.70 - 2.00	D						
		2.00	SPT	N=10 (2,2/2,3,2,3)	2.05	2.83		Firm orangish brown and bluish grey orange brown mottled slightly sandy silty CLAY. RIVER TERRACE DEPOSITS	2
		2.40 - 2.50	ES						
		2.70 - 3.00	D						
	▼	3.00	SPT	N=9 (1,1/2,2,2,3)					3
					3.60	1.28		Stiff light grey gravelly sandy silty CLAY with abundant chalk gravel. Gravel is fine to medium chalk gravel. RIVER TERRACE DEPOSITS	
		3.70 - 4.00	D						
	▽	4.00	SPT	N=24 (3,3/5,4,7,8)	4.00	0.88		NO RECOVERY	4
		4.70 - 5.00	D		4.70	0.18		Recovered as off white fine to coarse structureless CHALK in a putty chalk matrix with occasional fine to coarse sub-angular to sub-rounded flint gravel. WHITE CHALK SUBGROUP	5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

Window Sampling Log

Project Name: Land West of Bilsham Road, Yapton	Client: Redrow Homes Limited	Date: 07/10/2024 - 11/10/2024
Location: Land West of Bilsham Road, Yapton, Arundel, BN18 0FN	Contractor: 3D	Co-ords: E497583.63 N102238.85
Project No. : ICE0353	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS40	WS	4.88m AoD	LD	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	SPT	N=33 (4,1/10,8,8,7)	5.20	-0.32		Recovered as off white fine to coarse structureless CHALK in a putty chalk matrix with occasional fine to coarse sub-angular to sub-rounded flint gravel. WHITE CHALK SUBGROUP End of Borehole at 5.20m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

1. Borehole location was scanned with CAT, GENNY and GPR prior to breaking the ground.
2. Water strike at 4.0m, rose to 3.0m after 20 minutes.
3. Borehole was backfilled with arisings on completion.

3. ENCOUNTERED CONDITIONS

A factual record of the conditions encountered during the physical investigation of the site is presented in the following section.

For further details of the encountered ground conditions, reference should be made to the exploratory hole logs presented in Appendix A and the geotechnical testing results in Appendix B.

The physical ground investigation works were undertaken between 7th and 11th November 2024.

Unless stated otherwise, all depths are reported as metres below ground level (m bgl).

3.1 Ground Conditions

A summary of the encountered soil conditions is presented in Table 3.1.

Top (m bgl)	Base (m bgl)	Geology
0.00	0.11-0.46	**Topsoil**: Grass over greyish brown sandy silty clay with abundant roots and rootlets.
0.11-4.80	>5.00	**Cohesive River Terrace Deposits:** Varied from yellowish brown slightly sandy slightly gravelly silty CLAY with occasional chalk deposits and rare roots and rootlets to soft becoming very soft light brown orange brown greenish grey mottled gravelly sandy silty CLAY. Gravel is fine to medium chalk gravel.
0.90-4.90	>5.00	**Granular River Terrace Deposits:** Varied from medium dense light grey gravelly clayey SAND to very loose light brown slightly gravelly clayey SAND. Gravel is fine to coarse flint and chalk gravel.
1.80-5.00	>5.20	**White Chalk Subgroup:** Recovered as off-white fine to coarse CHALK fragments in a putty chalk matrix with rare fine to coarse sub-rounded flint gravel.

Table 3.1 Summary of Ground Conditions

For more detailed descriptions of the ground conditions at specific locations, reference should be made to the exploratory hole logs presented in Appendix A.

3.2 Groundwater

Groundwater was encountered at depths of between 2.00m and 4.00 bgl (at nominal depth of 2.00m bgl) during the investigation.

In addition, it should also be noted that changes in groundwater levels do occur for a number of reasons including seasonal effects and variations in drainage. Such fluctuations may only be recorded by the measurement of the groundwater level within a series of standpipes or piezometers installed within appropriate response zones.

3.3 Obstructions

During the intrusive ground investigation, no impenetrable instructions were encountered. However, the presence of natural and/or manmade obstructions elsewhere on site cannot be discounted.

3.4 Geotechnical Testing Results

The following laboratory geotechnical tests were undertaken:

APPENDIX E

Southern Water Records



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Data updated: 27/10/22

Scale: 1:1250 | Date: 05/01/23 | Wastewater Plan A1

Map Centre: 497581,102306 | Our Ref: 1039556 - 1 | Powered by digdat

Foul Gravity Sewer
Combined Gravity Sewer
Culverted Water Course or Treated Effluent
Surface Water Gravity Sewer
Rising Main, Vacuum or Syphon
Combined Outfall
Surface Water Outfall
Foul Outfall
Surface Water Inlet
Combined Pumping Station
Surface Water Pumping Station
Foul Pumping Station
Water Treatment Works
Section 104 Area
Building Over Agreement Area
Foul Manhole
Combined Manhole
Surface Water Manhole
Side Entry Manhole, Decarcation Chamber, Dummy Manhole or Surface Water Soakaway

szalaki@odysseyconsult.co.uk

22-303

from Southern Water

The positions of pipes shown on this plan are believed to be correct, but Southern Water Services Ltd accept no responsibility in the event of inaccuracy. The actual positions should be determined on site. This plan is produced by Southern Water Services Ltd (c) Crown copyright and database rights 2023 Ordnance Survey 100031673 .This map is to be used for the purposes of viewing the location of Southern Water plant only. Any other uses of the map data or further copies is not permitted.

WARNING: BAC pipes are constructed of Bonded Asbestos Cement.

WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement.

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert
6601	F	5.09	3.25	
6701	F	5.91	4.63	
6702	F	5.68	2.90	
6703	F	5.38	2.78	
6704	F	5.32	2.73	
6705	F	5.67	4.75	
6707	F	5.57	3.11	
6708	F	5.33	3.76	
6709	F	5.26	3.14	
6712	F	0.00	0.00	
7301	F	0.00	0.00	
7401	F	5.61	0.00	
7402	F	5.51	4.76	
7403	F	10.25	8.99	
7404	F	10.16	8.85	
7405	F	10.24	8.68	
7406	F	10.11	0.00	
7601	F	6.37	4.75	
7602	F	6.30	4.36	
7701	F	5.48	3.90	
7703	F	5.96	0.00	
7704	F	6.00	0.00	
7705	F	5.92	0.00	
7706	F	0.00	0.00	
7709	F	0.00	0.00	
7710	F	0.00	0.00	
7711	F	0.00	0.00	
7712	F	0.00	0.00	
7713	F	0.00	0.00	
7714	F	0.00	0.00	
7715	F	0.00	0.00	
8501	F	5.65	4.17	
8502	F	5.60	3.98	
8503	F	5.48	3.80	
8504	F	5.64	4.13	
8601	F	6.13	4.21	
8602	F	5.37	3.67	
8603	F	5.52	3.60	
8701	F	6.17	4.72	
8702	F	0.00	0.00	
8703	F	0.00	0.00	
8704	F	0.00	0.00	
8706	F	0.00	0.00	
8707	F	0.00	0.00	
8708	F	0.00	0.00	
8709	F	0.00	0.00	
8711	F	0.00	0.00	
8712	F	0.00	0.00	
8713	F	0.00	0.00	
9503	F	6.06	4.11	
9601	F	5.99	3.24	
9603	F	0.00	0.00	
9604	F	0.00	0.00	
9701	F	6.28	4.69	
6650	S	4.99	3.18	
6651	S	5.41	4.53	
6750	S	5.95	3.71	
6751	S	5.59	3.44	
6752	S	5.23	3.30	
6753	S	5.55	3.68	
6754	S	5.34	3.78	
6756	S	0.00	0.00	
6759	S	4.86	2.98	
6760	S	4.68	2.64	
6761	S	5.33	0.00	
7751	S	5.96	4.46	
7752	S	6.04	4.64	
7753	S	5.95	4.81	
7754	S	5.90	4.94	
7756	S	5.52	0.00	
8750	S	6.17	5.04	

APPENDIX F

Drainage Calculations

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 1	Company Address:		



Catchment Area

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (1)

Type : Catchment Area

Area (ha)	0.019

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (2)

Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (3)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (4)

Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (5)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (6)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (7)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (8)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (9)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (10)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (11)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (12)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (13)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (14)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (15)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (16)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (17)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 1	Company Address:		



Catchment Area (18)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (19)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (20)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 1	Company Address:		



Catchment Area (21)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (22)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (23)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (24)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (25)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (26)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (27)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (28)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (29)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (30)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (31)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (32)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (33)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (34)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (35)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (36)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (37)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (38)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (39) Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (40) Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (41) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (42)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (43)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (44)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (45)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (46)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (47)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (48)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (49)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (50)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (51)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (52)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (53)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (54)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (55)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (56)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (57)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (58)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (59)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (60)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (61)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (62)

Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (63) Type : Catchment Area

Area (ha)	0.01

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (64) Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (65) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (66)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (67)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (68)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (69)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (70)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (71)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (157)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (158)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (159)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (160)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (161)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (162)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (208)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (209)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (210)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (211)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (212)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (213)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (214)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (215)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (216)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (217)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (218)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (219)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (220)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (221)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (222)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (223) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (224) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (225) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (226)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (227)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (228)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
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Catchment Area (229)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (230)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (231)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (232)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (233)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (234)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (235)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (236)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (237)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (238) Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (239) Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (240) Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (241)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (242)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (243)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (244)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (245)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (246)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (247)

Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (248)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (249)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (250)

Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (251)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (252)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (253)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (289)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (290)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (291)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (292)

Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (293)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (294)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (296)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (297)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (298) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (319) Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (320) Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (321)

Type : Catchment Area

Area (ha)	0.053

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (322)

Type : Catchment Area

Area (ha)	0.019

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (323)

Type : Catchment Area

Area (ha)	0.036

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (324)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (325)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (326)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (327)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (328)

Type : Catchment Area

Area (ha)	0.032

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (329)

Type : Catchment Area

Area (ha)	0.036

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (330)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (331)

Type : Catchment Area

Area (ha)	0.058

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (332)

Type : Catchment Area

Area (ha)	0.031

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
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Catchment Area (333)

Type : Catchment Area

Area (ha)	0.034

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (334)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (335)

Type : Catchment Area

Area (ha)	0.02

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (336)

Type : Catchment Area

Area (ha)	0.021

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (342)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (355)

Type : Catchment Area

Area (ha)	0.036

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (356)

Type : Catchment Area

Area (ha)	0.02

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (357)

Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (362)

Type : Catchment Area

Area (ha)	0.034

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
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Catchment Area (363)

Type : Catchment Area

Area (ha)	0.028

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (373)

Type : Catchment Area

Area (ha)	0.023

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Basin_1

Type : Catchment Area

Area (ha)	0.063

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Junctions Storm Phase: Network 1	Company Address:		

Name	Junction Type	Easting (m)	Northing (m)	Cover Elevation (m)	Depth (m)	Invert Elevation (m)	Chamber Shape	Diameter (m)
1_2	Manhole	497698.562	102446.778	6.102	1.863	4.239	Circular	1.350
1_5	Manhole	497581.067	102495.271	5.505	1.852	3.653	Circular	1.350
1_12	Manhole	497596.429	102552.399	6.200	2.209	3.990	Circular	1.350
1_8	Manhole	497706.766	102508.047	6.569	1.879	4.690	Circular	1.200
1_10	Manhole	497647.970	102531.453	6.260	2.115	4.145	Circular	1.350
1_4	Manhole	497638.451	102472.160	6.225	2.404	3.821	Circular	1.350
1_13	Manhole	497544.348	102557.011	5.000	1.601	3.399	Circular	1.350
1_15 (FC)	Manhole	497500.746	102523.839	5.000	2.010	2.990	Circular	1.200
1_6	Manhole	497586.018	102542.138	5.997	2.479	3.518	Circular	1.350
1_11	Manhole	497649.352	102534.635	6.303	1.653	4.650	Circular	1.200
1_7	Manhole	497707.976	102511.334	6.629	1.679	4.950	Circular	1.200
1_outlet	Manhole	497489.402	102523.998	4.187	1.629	2.558	Circular	1.200
1_1	Manhole	497714.726	102443.365	5.930	1.280	4.650	Circular	1.200
1_3	Manhole	497710.706	102435.361	5.867	1.077	4.790	Circular	1.200
1_9	Manhole	497750.200	102490.591	6.558	1.448	5.110	Circular	1.200
1_14	Manhole	497593.505	102564.768	6.267	2.817	3.450	Circular	1.200

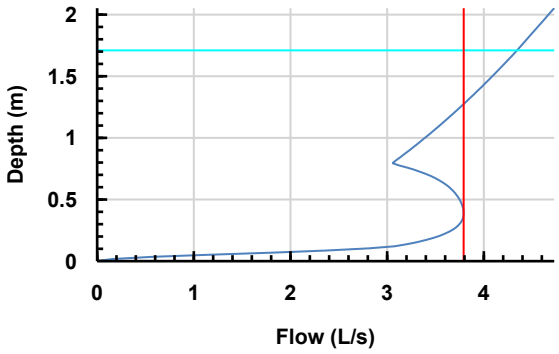
Name	Lock
1_2	None
1_5	None
1_12	None
1_8	None
1_10	None
1_4	None
1_13	Elevations
1_15 (FC)	None
1_6	None
1_11	None
1_7	None
1_outlet	None
1_1	None
1_3	None
1_9	None
1_14	None

Project:	Date:		
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	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Junctions Storm Phase: Network 1	Company Address:		

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
1_2	Outlet	1_1.001	Free Discharge
1_5	Outlet	1_1.003	Free Discharge
1_12	Outlet	1_15.004	Free Discharge
1_8	Outlet	1_15.002	Free Discharge
1_10	Outlet	1_15.003	Free Discharge
1_4	Outlet	1_1.002	Free Discharge
1_13	Outlet	1_1.005	Free Discharge
1_15 (FC)	Outlet	1_1.007	Hydro-Brake®

Invert Elevation (m)	2.990
Design Depth (m)	1.710
Design Flow (L/s)	4.35
Objective	Minimize Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☑
Unit Reference	SHE-0088-4350-1710-4350



1_6	Outlet	1_1.004	Free Discharge
1_11	Outlet	1_17.001	Free Discharge
1_7	Outlet	1_15.001	Free Discharge
1_1	Outlet	1_1.000	Free Discharge
1_3	Outlet	1_7.000	Free Discharge
1_9	Outlet	1_16.000	Free Discharge
1_14	Outlet	1_34.000	Free Discharge

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



Basin_1

Type : Pond

Dimensions

Exceedance Elevation (m)	5.320
Depth (m)	2.320
Base Elevation (m)	3.000
Freeboard (mm)	300
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:x)	6.579
Total Volume (m³)	466.821

Depth (m)	Area (m²)	Volume (m³)
0.000	3.30	0.000
2.000	632.00	453.979

Outlets

Outlet

Outgoing Connection	1_1.006
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	44.317
Friction Scheme	Manning's n
n	0.025

Project:	Date:		
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PP_40sq.m

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.401
Depth (m)	1.140
Base Elevation (m)	5.261
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_18.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.261

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (1)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.357
Depth (m)	1.140
Base Elevation (m)	5.217
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_19.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.217

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (2)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.302
Depth (m)	1.140
Base Elevation (m)	5.162
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_25.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.162

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (3)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.181
Depth (m)	1.140
Base Elevation (m)	5.041
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_20.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.041

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (4)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.052
Depth (m)	1.140
Base Elevation (m)	4.912
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m^3)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_21.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.912

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (5)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	5.986
Depth (m)	1.140
Base Elevation (m)	4.846
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_22.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.846

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (6)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	5.991
Depth (m)	1.140
Base Elevation (m)	4.851
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_23.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.851

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (7)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.061
Depth (m)	1.140
Base Elevation (m)	4.921
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_24.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.921

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (8)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.113
Depth (m)	1.140
Base Elevation (m)	4.973
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_26.000
Outlet Type	Orifice

Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.973

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (9)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.127
Depth (m)	1.140
Base Elevation (m)	4.987
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_27.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.987

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (10)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.059
Depth (m)	1.140
Base Elevation (m)	4.919
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_28.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.919

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (11)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	5.951
Depth (m)	1.140
Base Elevation (m)	4.811
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_29.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.811

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
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PP_40sq.m (12)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	5.668
Depth (m)	1.140
Base Elevation (m)	4.528
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_14.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.528

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
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PP_40sq.m (13)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	5.795
Depth (m)	1.140
Base Elevation (m)	4.655
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_13.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.655

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (14)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	5.904
Depth (m)	1.140
Base Elevation (m)	4.764
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_12.000
Outlet Type	Orifice

Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.764

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (15)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.032
Depth (m)	1.140
Base Elevation (m)	4.892
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_11.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.892

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (16)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.105
Depth (m)	1.140
Base Elevation (m)	4.965
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_10.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.965

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (17)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.203
Depth (m)	1.140
Base Elevation (m)	5.063
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_9.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.063

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (18)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.301
Depth (m)	1.140
Base Elevation (m)	5.161
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_8.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.161

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (19)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.329
Depth (m)	1.140
Base Elevation (m)	5.189
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_4.000
Outlet Type	Orifice

Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.189

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (20)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.246
Depth (m)	1.140
Base Elevation (m)	5.106
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_3.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.106

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (21)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.145
Depth (m)	1.140
Base Elevation (m)	5.005
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_2.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.005

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (22)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	5.461
Depth (m)	1.140
Base Elevation (m)	4.321
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m^3)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_30.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.321

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_(23)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	5.426
Depth (m)	1.140
Base Elevation (m)	4.286
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	13.000
Long. Slope (1:x)	500.00
Width (m)	3.000
Total Volume (m³)	10.367

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_31.000
Outlet Type	Orifice
Diameter (m)	0.050
Coefficient of Discharge	0.600
Invert Elevation (m)	4.286

Advanced

Conductivity (m/hr)	1000.0



PP (28)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.380
Depth (m)	1.140
Base Elevation (m)	5.240
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	21.600
Long. Slope (1:x)	500.00
Width (m)	17.400
Total Volume (m³)	99.222

Outlets

Outlet

Outgoing Connection	1_15.000
Outlet Type	Orifice

Diameter (m)	0.030
Coefficient of Discharge	0.600
Invert Elevation (m)	5.240

Advanced

Conductivity (m/hr)	1000.0



PP (29)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.232
Depth (m)	1.140
Base Elevation (m)	5.092
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	25.300
Long. Slope (1:x)	500.00
Width (m)	17.400
Total Volume (m³)	116.218

Outlets

Outlet

Outgoing Connection	1_17.000
Outlet Type	Orifice

Diameter (m)	0.035
Coefficient of Discharge	0.600
Invert Elevation (m)	5.092

Advanced

Conductivity (m/hr)	1000.0



PP (30)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	5.000
Depth (m)	1.800
Base Elevation (m)	3.200
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	47.000
Long. Slope (1:x)	500.00
Width (m)	6.000
Total Volume (m^3)	130.284

Outlets

Outlet

Outgoing Connection	1_33.000
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (24)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.104
Depth (m)	1.140
Base Elevation (m)	4.964
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_5.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.964

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



PP_40sq.m (25)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.207
Depth (m)	1.140
Base Elevation (m)	5.067
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_6.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.067

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Stormwater Controls Storm Phase: Network 1	Company Address:		



Att Tank_1-1

Type : Cellular Storage

Dimensions

Exceedance Elevation (m)	5.990
Depth (m)	0.800
Base Elevation (m)	3.270
Number of Crates Long	1
Number of Crates Wide	1
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	50
Crate Width (m)	18
Crate Height (m)	0.8
Total Volume (m³)	685.920

Outlets

Outlet

Outgoing Connection	1_34.001
Outlet Type	Free Discharge



Att Tank_1-2

Type : Cellular Storage

Dimensions

Exceedance Elevation (m)	5.344
Depth (m)	0.600
Base Elevation (m)	3.200
Number of Crates Long	1
Number of Crates Wide	1
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	50
Crate Width (m)	4
Crate Height (m)	0.6
Total Volume (m³)	115.544

Outlets

Outlet

Outgoing Connection	1_32.000
Outlet Type	Free Discharge

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Connections Storm Phase: Network 1	Company Address:		

Name	From	To	Length (m)	Connection Type	Slope (1:x)	Manning's n	Colebrook-White Roughness (mm)	No. of Barrels
1_15.002	1_8	1_10	63.283	Pipe	134.645		0.6	1
1_15.003	1_10	1_12	55.635	Pipe	360.000		0.6	1
1_15.004	1_12	1_6	14.618	Pipe	45.396		0.6	1
1_1.005	1_13	Basin_1	19.845	Pipe	500.000		0.6	1
1_1.001	1_2	1_4	65.250	Pipe	190.250		0.6	1
1_1.002	1_4	1_5	61.863	Pipe	368.263		0.6	1
1_1.003	1_5	1_6	47.128	Pipe	349.063		0.6	1
1_1.006	Basin_1	1_15 (FC)	2.427	Pipe	242.663		0.6	1
1_15.001	1_7	1_8	3.503	Pipe	100.085		0.6	1
1_17.001	1_11	1_10	3.469	Pipe	16.921		0.6	1
1_32.000	Att Tank_1-2	Basin_1	7.737	Pipe	154.746		0.6	1
1_15.000	PP (28)	1_7	3.856	Pipe	16.099		0.6	1
1_17.000	PP (29)	1_11	6.196	Pipe	15.809		0.6	1
1_33.000	PP (30)	Basin_1	5.574	Pipe	111.471		0.6	1
1_34.001	Att Tank_1-1	Basin_1	30.752	Pipe	256.264		0.6	1
1_18.000	PP_40sq.m	1_10	79.966	No Delay				
1_19.000	PP_40sq.m (1)	1_10	70.923	No Delay				
1_20.000	PP_40sq.m (3)	1_10	48.722	No Delay				
1_21.000	PP_40sq.m (4)	1_10	38.018	No Delay				
1_22.000	PP_40sq.m (5)	1_10	29.471	No Delay				
1_23.000	PP_40sq.m (6)	1_10	20.997	No Delay				
1_24.000	PP_40sq.m (7)	1_10	17.253	No Delay				
1_26.000	PP_40sq.m (8)	1_12	49.996	No Delay				
1_27.000	PP_40sq.m (9)	1_12	40.883	No Delay				
1_28.000	PP_40sq.m (10)	1_12	30.594	No Delay				
1_29.000	PP_40sq.m (11)	1_12	22.939	No Delay				
1_2.000	PP_40sq.m (21)	1_2	14.923	No Delay				
1_3.000	PP_40sq.m (20)	1_2	21.578	No Delay				
1_4.000	PP_40sq.m (19)	1_2	31.517	No Delay				
1_8.000	PP_40sq.m (18)	1_4	26.793	No Delay				
1_9.000	PP_40sq.m (17)	1_4	17.326	No Delay				
1_10.000	PP_40sq.m (16)	1_4	12.559	No Delay				
1_11.000	PP_40sq.m (15)	1_5	52.271	No Delay				
1_12.000	PP_40sq.m (14)	1_5	39.924	No Delay				
1_13.000	PP_40sq.m (13)	1_5	30.775	No Delay				
1_14.000	PP_40sq.m (12)	1_5	20.954	No Delay				
1_5.000	PP_40sq.m (24)	1_2	15.423	No Delay				
1_6.000	PP_40sq.m (25)	1_2	23.835	No Delay				
1_30.000	PP_40sq.m (22)	1_6	20.752	No Delay				

1_31.000	PP_(23)	1_6	31.571	No Delay				
1_25.000	PP_40sq.m (2)	1_10	59.725	No Delay				
1_1.007	1_15 (FC)	1_outlet	11.344	Pipe	26.260		0.6	1
1_1.004	1_6	1_13	44.245	Pipe	371.806		0.6	1
1_16.000	1_9	1_8	46.810	Pipe	173.372		0.6	1
1_1.000	1_1	1_2	16.521	Pipe	148.835		0.6	1
1_7.000	1_3	1_2	16.668	Pipe	94.706		0.6	1
1_34.000	1_14	Att Tank_1-1	12.909	Pipe	240.000		0.6	1

Name	Diameter / Base Width (mm)	Upstream Cover Elevation (m)	Upstream Invert Elevation (m)	Downstream Cover Elevation (m)	Downstream Invert Elevation (m)	Part Family	Lock	Flow Restriction (L/s)
1_15.002	375	6.569	4.690	6.260	4.220		Elevations	
1_15.003	450	6.260	4.145	6.200	3.990		None	
1_15.004	450	6.200	3.990	5.997	3.668		Elevations	
1_1.005	600	5.000	3.399	5.320	3.359		Elevations	
1_1.001	525	6.102	4.239	6.225	3.896		None	
1_1.002	600	6.225	3.821	5.505	3.653		None	
1_1.003	600	5.505	3.653	5.997	3.518		None	
1_1.006	300	5.320	3.000	5.000	2.990		None	
1_15.001	150	6.629	4.950	6.569	4.915		None	
1_17.001	150	6.303	4.650	6.260	4.445		None	
1_32.000	300	5.429	3.200	5.275	3.150		Elevations	
1_15.000	100	6.652	5.240	6.629	5.000		None	1.7
1_17.000	100	6.382	5.092	6.303	4.700		None	2.4
1_33.000	300	5.265	3.200	5.190	3.150		Elevations	
1_34.001	300	5.990	3.270	5.320	3.150		Elevations	
1_18.000								
1_19.000								
1_20.000								
1_21.000								
1_22.000								
1_23.000								
1_24.000								
1_26.000								
1_27.000								
1_28.000								
1_29.000								
1_2.000								
1_3.000								
1_4.000								
1_8.000								
1_9.000								
1_10.000								
1_11.000								
1_12.000								
1_13.000								
1_14.000								
1_5.000								
1_6.000								
1_30.000								
1_31.000								
1_25.000								
1_1.007	150	5.000	2.990	4.187	2.558		None	4.7
1_1.004	600	5.997	3.518	5.000	3.399		None	
1_16.000	225	6.558	5.110	6.569	4.840		None	
1_1.000	225	5.930	4.650	6.102	4.539		None	
1_7.000	150	5.867	4.790	6.102	4.614		None	
1_34.000	300	6.267	3.450	5.921	3.396		Elevations	

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by: AK	Checked by:	Approved By:
Report Details: Type: Connections Storm Phase: Network 1	Company Address:		

Name	Culvert Type	Culvert Entrance
1_15.002	(None)	(None)
1_15.003	(None)	(None)
1_15.004	(None)	(None)
1_1.005	(None)	(None)
1_1.001	(None)	(None)
1_1.002	(None)	(None)
1_1.003	(None)	(None)
1_1.006	(None)	(None)
1_15.001	(None)	(None)
1_17.001	(None)	(None)
1_32.000	(None)	(None)
1_15.000	(None)	(None)
1_17.000	(None)	(None)
1_33.000	(None)	(None)
1_34.001	(None)	(None)
1_18.000		
1_19.000		
1_20.000		
1_21.000		
1_22.000		
1_23.000		
1_24.000		
1_26.000		
1_27.000		
1_28.000		
1_29.000		
1_2.000		
1_3.000		
1_4.000		
1_8.000		
1_9.000		
1_10.000		
1_11.000		
1_12.000		
1_13.000		
1_14.000		
1_5.000		
1_6.000		
1_30.000		
1_31.000		
1_25.000		
1_1.007	(None)	(None)
1_1.004	(None)	(None)
1_16.000	(None)	(None)
1_1.000	(None)	(None)
1_7.000	(None)	(None)
1_34.000	(None)	(None)

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflow Summary Storm Phase: Network 1	Company Address:		

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analyzed (ha)
Basin_1	Basin_1		Time of Concentration	0.063	100	0	100	0.063
Catchment Area	1_14		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (1)	1_14		Time of Concentration	0.019	100	10	110	0.021
Catchment Area (2)	PP (29)		Time of Concentration	0.014	100	10	110	0.016
Catchment Area (3)	PP (29)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (4)	PP (29)		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (5)	PP (29)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (6)	PP (28)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (7)	PP (28)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (8)	PP (28)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (9)	PP (28)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (10)	1_9		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (11)	1_9		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (12)	1_9		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (13)	1_1		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (14)	1_9		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (15)	PP_40sq.m		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (16)	PP_40sq.m		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (17)	PP_40sq.m (1)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (18)	PP_40sq.m (1)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (19)	PP_40sq.m (2)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (20)	PP_40sq.m (2)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (21)	PP_40sq.m (3)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (22)	PP_40sq.m (3)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (23)	PP_40sq.m (4)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (24)	PP_40sq.m (4)		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (25)	PP_40sq.m (5)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (26)	PP_40sq.m (5)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (27)	PP_40sq.m (6)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (28)	PP_40sq.m (6)		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (29)	PP_40sq.m (7)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (30)	PP_40sq.m (7)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (31)	PP_40sq.m (8)		Time of Concentration	0.002	100	10	110	0.003

Catchment Area (32)	PP_40sq.m (8)		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (33)	PP_40sq.m (9)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (34)	PP_40sq.m (9)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (35)	PP_40sq.m (10)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (36)	PP_40sq.m (10)		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (37)	PP_40sq.m (11)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (38)	PP_40sq.m (11)		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (39)	1_1		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (40)	1_1		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (41)	PP_40sq.m (21)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (42)	PP_40sq.m (21)		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (43)	PP_40sq.m (20)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (44)	PP_40sq.m (20)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (45)	PP_40sq.m (19)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (46)	PP_40sq.m (19)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (47)	PP_40sq.m (18)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (48)	PP_40sq.m (17)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (49)	PP_40sq.m (16)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (50)	PP_40sq.m (15)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (51)	PP_40sq.m (14)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (52)	PP_40sq.m (13)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (53)	PP_40sq.m (12)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (54)	PP_40sq.m (14)		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (55)	PP_40sq.m (12)		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (56)	PP_40sq.m (17)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (57)	PP_40sq.m (18)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (58)	PP_40sq.m (16)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (59)	PP_40sq.m (13)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (60)	PP_40sq.m (15)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (61)	1_5		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (62)	PP (30)		Time of Concentration	0.014	100	10	110	0.016
Catchment Area (63)	Att Tank_1-2		Time of Concentration	0.010	100	10	110	0.011
Catchment Area (64)	PP_40sq.m (25)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (65)	PP_40sq.m (25)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (66)	PP_40sq.m (24)		Time of Concentration	0.008	100	10	110	0.009

Catchment Area (67)	PP_40sq.m (24)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (68)	1_2		Time of Concentration	0.009	100	10	110	0.009
Catchment Area (69)	1_3		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (70)	1_3		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (71)	1_3		Time of Concentration	0.002	100	10	110	0.002
Catchment Area (157)	1_5		Time of Concentration	0.009	100	10	110	0.009
Catchment Area (158)	PP_(23)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (159)	PP_40sq.m (22)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (160)	PP_40sq.m (22)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (161)	PP_(23)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (162)	PP (30)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (208)	PP_40sq.m (25)		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (209)	PP_40sq.m (24)		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (210)	1_2		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (211)	1_3		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (212)	1_1		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (213)	1_1		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (214)	1_1		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (215)	1_9		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (216)	PP_40sq.m (21)		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (217)	PP_40sq.m (20)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (218)	PP_40sq.m (19)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (219)	PP_40sq.m (18)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (220)	PP_40sq.m (17)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (221)	PP_40sq.m (16)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (222)	PP_40sq.m (15)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (223)	PP_40sq.m (14)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (224)	PP_40sq.m (13)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (225)	PP_40sq.m (12)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (226)	PP_40sq.m (11)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (227)	PP_40sq.m (10)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (228)	PP_40sq.m (9)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (229)	PP_40sq.m (8)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (230)	PP_40sq.m (7)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (231)	PP_40sq.m (6)		Time of Concentration	0.005	100	0	100	0.005

Catchment Area (232)	PP_40sq.m (5)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (233)	PP_40sq.m (4)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (234)	PP_40sq.m (3)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (235)	PP_40sq.m (2)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (236)	PP_40sq.m (1)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (237)	PP_40sq.m		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (238)	1_9		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (239)	1_9		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (240)	PP (28)		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (241)	PP (28)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (242)	PP (28)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (243)	PP (28)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (244)	PP (29)		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (245)	PP (29)		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (246)	PP (29)		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (247)	PP (29)		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (248)	PP (29)		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (249)	PP (29)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (250)	1_14		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (251)	1_14		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (252)	1_14		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (253)	1_5		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (289)	PP_(23)		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (290)	1_5		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (291)	PP_40sq.m (22)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (292)	PP (30)		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (293)	PP (30)		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (294)	PP (30)		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (296)	PP (30)		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (297)	Att Tank_1-2		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (298)	PP (30)		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (319)	PP (29)		Time of Concentration	0.013	100	0	100	0.013
Catchment Area (320)	PP (29)		Time of Concentration	0.009	100	0	100	0.009
Catchment Area (321)	1_8		Time of Concentration	0.053	100	0	100	0.053
Catchment Area (322)	1_10		Time of Concentration	0.019	100	0	100	0.019

Catchment Area (323)	1_10		Time of Concentration	0.036	100	0	100	0.036
Catchment Area (324)	PP (28)		Time of Concentration	0.009	100	0	100	0.009
Catchment Area (325)	PP (28)		Time of Concentration	0.009	100	0	100	0.009
Catchment Area (326)	1_8		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (327)	1_10		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (328)	1_6		Time of Concentration	0.032	100	0	100	0.032
Catchment Area (329)	1_5		Time of Concentration	0.036	100	0	100	0.036
Catchment Area (330)	1_5		Time of Concentration	0.013	100	0	100	0.013
Catchment Area (331)	1_4		Time of Concentration	0.058	100	0	100	0.058
Catchment Area (332)	1_2		Time of Concentration	0.031	100	0	100	0.031
Catchment Area (333)	1_2		Time of Concentration	0.034	100	0	100	0.034
Catchment Area (334)	1_3		Time of Concentration	0.013	100	0	100	0.013
Catchment Area (335)	1_14		Time of Concentration	0.020	100	0	100	0.020
Catchment Area (336)	1_5		Time of Concentration	0.021	100	0	100	0.021
Catchment Area (342)	1_2		Time of Concentration	0.011	100	0	100	0.011
Catchment Area (355)	Att Tank_1-2		Time of Concentration	0.036	100	0	100	0.036
Catchment Area (356)	Att Tank_1-2		Time of Concentration	0.020	100	0	100	0.020
Catchment Area (357)	Att Tank_1-2		Time of Concentration	0.012	100	0	100	0.012
Catchment Area (362)	1_1		Time of Concentration	0.034	100	0	100	0.034
Catchment Area (363)	PP (30)		Time of Concentration	0.028	100	0	100	0.028
Catchment Area (373)	1_9		Time of Concentration	0.023	100	0	100	0.023
TOTAL		**0.0**		**1.404**				**1.455**

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Outfall Details Storm Phase: Network 1	Company Address:		

Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Elevation (m)	Elevation Curve
1_outlet	Free Discharge			

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 1 - surcharged outfall	Company Address:		



Catchment Area

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (1)

Type : Catchment Area

Area (ha)	0.019

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (2)

Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (3)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (4)

Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (5)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (6)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (7)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (8)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (9)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (10)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (11)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (12) Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (13) Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (14) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (15) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (16) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (17) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (18) Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (19) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (20) Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
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Catchment Area (21)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (22)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (23)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
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Catchment Area (24)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (25)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (26)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (27)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (28)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (29)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (30)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (31)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (32)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (33)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (34)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (35)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (36) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (37) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (38) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (39) Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (40) Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (41) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (42) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (43) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (44) Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (45) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (46) Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (47) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (48) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (49) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (50) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (51) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (52) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (53) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (54) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (55) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (56) Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (57) Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (58) Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (59) Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (60)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (61)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (62)

Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (63)

Type : Catchment Area

Area (ha)	0.01

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (64)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (65)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (66)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (67)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (68)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (69) Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (70) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (71) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (157)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (158)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (159)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (160)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (161)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (162)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (208)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (209)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (210)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (211)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (212)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (213)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (214) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (215) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (216) Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (217)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (218)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (219)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (220)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (221)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (222)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (223) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (224) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (225) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (226)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (227)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (228)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (229)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (230)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (231)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (232)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (233)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (234)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (235)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (236)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (237)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (238) Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (239) Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (240) Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (241)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (242)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (243)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (244) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (245) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (246) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (247)

Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (248)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (249)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (250) Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (251) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (252) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (253)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (289)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (290)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (291) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (292) Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (293) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (294) Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (296) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (297) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 1 - surcharged outfall	Company Address:		



Catchment Area (298)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (319)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (320)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 1 - surcharged outfall	Company Address:		



Catchment Area (321)

Type : Catchment Area

Area (ha)	0.053

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (322)

Type : Catchment Area

Area (ha)	0.019

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (323)

Type : Catchment Area

Area (ha)	0.036

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (324) Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (325) Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (326) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 1 - surcharged outfall	Company Address:		



Catchment Area (327)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (328)

Type : Catchment Area

Area (ha)	0.032

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (329)

Type : Catchment Area

Area (ha)	0.036

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 1 - surcharged outfall	Company Address:		



Catchment Area (330)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (331)

Type : Catchment Area

Area (ha)	0.058

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (332)

Type : Catchment Area

Area (ha)	0.031

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (333)

Type : Catchment Area

Area (ha)	0.034

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (334)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (335)

Type : Catchment Area

Area (ha)	0.02

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 1 - surcharged outfall	Company Address:		



Catchment Area (336)

Type : Catchment Area

Area (ha)	0.021

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (342)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (355)

Type : Catchment Area

Area (ha)	0.036

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (356) Type : Catchment Area

Area (ha)	0.02

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (357) Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (362) Type : Catchment Area

Area (ha)	0.034

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (363)

Type : Catchment Area

Area (ha)	0.028

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (373)

Type : Catchment Area

Area (ha)	0.023

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Basin_1

Type : Catchment Area

Area (ha)	0.063

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Junctions Storm Phase: Network 1 - surcharged outfall	Company Address:		

Name	Junction Type	Easting (m)	Northing (m)	Cover Elevation (m)	Depth (m)	Invert Elevation (m)	Chamber Shape	Diameter (m)
1_2	Manhole	497698.562	102446.778	6.102	1.863	4.239	Circular	1.350
1_5	Manhole	497581.067	102495.271	5.505	1.852	3.653	Circular	1.350
1_12	Manhole	497596.429	102552.399	6.200	2.209	3.990	Circular	1.350
1_8	Manhole	497706.766	102508.047	6.569	1.879	4.690	Circular	1.200
1_10	Manhole	497647.970	102531.453	6.260	2.115	4.145	Circular	1.350
1_4	Manhole	497638.451	102472.160	6.225	2.404	3.821	Circular	1.350
1_13	Manhole	497544.348	102557.011	5.000	1.601	3.399	Circular	1.350
1_15 (FC)	Manhole	497500.746	102523.839	5.000	2.010	2.990	Circular	1.200
1_6	Manhole	497586.018	102542.138	5.997	2.479	3.518	Circular	1.350
1_11	Manhole	497649.352	102534.635	6.303	1.653	4.650	Circular	1.200
1_7	Manhole	497707.976	102511.334	6.629	1.679	4.950	Circular	1.200
1_outlet	Manhole	497489.402	102523.998	4.187	1.629	2.558	Circular	1.200
1_1	Manhole	497714.726	102443.365	5.930	1.280	4.650	Circular	1.200
1_3	Manhole	497710.706	102435.361	5.867	1.077	4.790	Circular	1.200
1_9	Manhole	497750.200	102490.591	6.558	1.448	5.110	Circular	1.200
1_14	Manhole	497593.505	102564.768	6.267	2.817	3.450	Circular	1.200

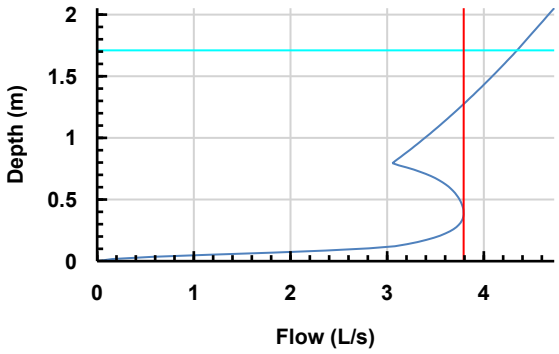
Name	Lock
1_2	None
1_5	None
1_12	None
1_8	None
1_10	None
1_4	None
1_13	Elevations
1_15 (FC)	None
1_6	None
1_11	None
1_7	None
1_outlet	None
1_1	None
1_3	None
1_9	None
1_14	None

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Storm Phase: Network 1 - surcharged outfall	Company Address:		

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
1_2	Outlet	1_1.001	Free Discharge
1_5	Outlet	1_1.003	Free Discharge
1_12	Outlet	1_15.004	Free Discharge
1_8	Outlet	1_15.002	Free Discharge
1_10	Outlet	1_15.003	Free Discharge
1_4	Outlet	1_1.002	Free Discharge
1_13	Outlet	1_1.005	Free Discharge
1_15 (FC)	Outlet	1_1.007	Hydro-Brake®

Invert Elevation (m)	2.990
Design Depth (m)	1.710
Design Flow (L/s)	4.35
Objective	Minimize Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☑
Unit Reference	SHE-0088-4350-1710-4350



1_6	Outlet	1_1.004	Free Discharge
1_11	Outlet	1_17.001	Free Discharge
1_7	Outlet	1_15.001	Free Discharge
1_1	Outlet	1_1.000	Free Discharge
1_3	Outlet	1_7.000	Free Discharge
1_9	Outlet	1_16.000	Free Discharge
1_14	Outlet	1_34.000	Free Discharge

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



Basin_1

Type : Pond

Dimensions

Exceedance Elevation (m)	5.320
Depth (m)	2.320
Base Elevation (m)	3.000
Freeboard (mm)	300
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:x)	6.579
Total Volume (m³)	466.821

Depth (m)	Area (m²)	Volume (m³)
0.000	3.30	0.000
2.000	632.00	453.979

Outlets

Outlet

Outgoing Connection	1_1.006
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	44.317
Friction Scheme	Manning's n
n	0.025

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.401
Depth (m)	1.140
Base Elevation (m)	5.261
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_18.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.261

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (1)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.357
Depth (m)	1.140
Base Elevation (m)	5.217
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_19.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.217

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (2)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.302
Depth (m)	1.140
Base Elevation (m)	5.162
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_25.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.162

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (3)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.181
Depth (m)	1.140
Base Elevation (m)	5.041
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_20.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.041

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (4)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.052
Depth (m)	1.140
Base Elevation (m)	4.912
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_21.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.912

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (5)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	5.986
Depth (m)	1.140
Base Elevation (m)	4.846
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_22.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.846

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (6)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	5.991
Depth (m)	1.140
Base Elevation (m)	4.851
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_23.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.851

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (7)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.061
Depth (m)	1.140
Base Elevation (m)	4.921
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_24.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.921

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (8)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.113
Depth (m)	1.140
Base Elevation (m)	4.973
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_26.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.973

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (9)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.127
Depth (m)	1.140
Base Elevation (m)	4.987
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_27.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.987

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (10)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.059
Depth (m)	1.140
Base Elevation (m)	4.919
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_28.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.919

Advanced

Conductivity (m/hr)	1000.0



PP_40sq.m (11)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	5.951
Depth (m)	1.140
Base Elevation (m)	4.811
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_29.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.811

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (12)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	5.668
Depth (m)	1.140
Base Elevation (m)	4.528
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_14.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.528

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (13)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	5.795
Depth (m)	1.140
Base Elevation (m)	4.655
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_13.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.655

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (14)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	5.904
Depth (m)	1.140
Base Elevation (m)	4.764
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_12.000
Outlet Type	Orifice

Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.764

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (15)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.032
Depth (m)	1.140
Base Elevation (m)	4.892
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_11.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.892

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (16)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.105
Depth (m)	1.140
Base Elevation (m)	4.965
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_10.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.965

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (17)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.203
Depth (m)	1.140
Base Elevation (m)	5.063
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_9.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.063

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (18)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.301
Depth (m)	1.140
Base Elevation (m)	5.161
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_8.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.161

Advanced

Conductivity (m/hr)	1000.0



PP_40sq.m (19)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.329
Depth (m)	1.140
Base Elevation (m)	5.189
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m^3)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_4.000
Outlet Type	Orifice

Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.189

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (20)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.246
Depth (m)	1.140
Base Elevation (m)	5.106
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_3.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.106

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (21)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.145
Depth (m)	1.140
Base Elevation (m)	5.005
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_2.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.005

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (22)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	5.461
Depth (m)	1.140
Base Elevation (m)	4.321
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_30.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.321

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_(23)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	5.426
Depth (m)	1.140
Base Elevation (m)	4.286
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	13.000
Long. Slope (1:x)	500.00
Width (m)	3.000
Total Volume (m³)	10.367

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_31.000
Outlet Type	Orifice

Diameter (m)	0.050
Coefficient of Discharge	0.600
Invert Elevation (m)	4.286

Advanced

Conductivity (m/hr)	1000.0



PP (28)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.380
Depth (m)	1.140
Base Elevation (m)	5.240
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	21.600
Long. Slope (1:x)	500.00
Width (m)	17.400
Total Volume (m³)	99.222

Outlets

Outlet

Outgoing Connection	1_15.000
Outlet Type	Orifice

Diameter (m)	0.030
Coefficient of Discharge	0.600
Invert Elevation (m)	5.240

Advanced

Conductivity (m/hr)	1000.0



PP (29)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.232
Depth (m)	1.140
Base Elevation (m)	5.092
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	25.300
Long. Slope (1:x)	500.00
Width (m)	17.400
Total Volume (m³)	116.218

Outlets

Outlet

Outgoing Connection	1_17.000
Outlet Type	Orifice

Diameter (m)	0.035
Coefficient of Discharge	0.600
Invert Elevation (m)	5.092

Advanced

Conductivity (m/hr)	1000.0



PP (30)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	5.000
Depth (m)	1.800
Base Elevation (m)	3.200
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	47.000
Long. Slope (1:x)	500.00
Width (m)	6.000
Total Volume (m³)	130.284

Outlets

Outlet

Outgoing Connection	1_33.000
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (24)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.104
Depth (m)	1.140
Base Elevation (m)	4.964
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_5.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	4.964

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



PP_40sq.m (25)

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.207
Depth (m)	1.140
Base Elevation (m)	5.067
Paving Layer Depth (mm)	260
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.000
Long. Slope (1:x)	500.00
Width (m)	3.300
Total Volume (m³)	10.520

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Colebrook-White Roughness
Roughness (mm)	0.6

Outlets

Outlet

Outgoing Connection	1_6.000
Outlet Type	Orifice
Diameter (m)	0.040
Coefficient of Discharge	0.600
Invert Elevation (m)	5.067

Advanced

Conductivity (m/hr)	1000.0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Stormwater Controls Storm Phase: Network 1 - surcharged outfall	Company Address:		



Att Tank_1-1

Type : Cellular Storage

Dimensions

Exceedance Elevation (m)	5.990
Depth (m)	0.800
Base Elevation (m)	3.270
Number of Crates Long	1
Number of Crates Wide	1
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	50
Crate Width (m)	18
Crate Height (m)	0.8
Total Volume (m³)	685.920

Outlets

Outlet

Outgoing Connection	1_34.001
Outlet Type	Free Discharge



Att Tank_1-2

Type : Cellular Storage

Dimensions

Exceedance Elevation (m)	5.344
Depth (m)	0.600
Base Elevation (m)	3.200
Number of Crates Long	1
Number of Crates Wide	1
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	50
Crate Width (m)	4
Crate Height (m)	0.6
Total Volume (m³)	115.544

Outlets

Outlet

Outgoing Connection	1_32.000
Outlet Type	Free Discharge

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Connections Storm Phase: Network 1 - surcharged outfall	Company Address:		

Name	From	To	Length (m)	Connection Type	Slope (1:x)	Manning's n	Colebrook-White Roughness (mm)	No. of Barrels
1_15.002	1_8	1_10	63.283	Pipe	134.645		0.6	1
1_15.003	1_10	1_12	55.635	Pipe	360.000		0.6	1
1_15.004	1_12	1_6	14.618	Pipe	45.396		0.6	1
1_1.005	1_13	Basin_1	19.845	Pipe	500.000		0.6	1
1_1.001	1_2	1_4	65.250	Pipe	190.250		0.6	1
1_1.002	1_4	1_5	61.863	Pipe	368.263		0.6	1
1_1.003	1_5	1_6	47.128	Pipe	349.063		0.6	1
1_1.006	Basin_1	1_15 (FC)	2.427	Pipe	242.663		0.6	1
1_15.001	1_7	1_8	3.503	Pipe	100.085		0.6	1
1_17.001	1_11	1_10	3.469	Pipe	16.921		0.6	1
1_32.000	Att Tank_1-2	Basin_1	7.737	Pipe	154.746		0.6	1
1_15.000	PP (28)	1_7	3.856	Pipe	16.099		0.6	1
1_17.000	PP (29)	1_11	6.196	Pipe	15.809		0.6	1
1_33.000	PP (30)	Basin_1	5.574	Pipe	111.471		0.6	1
1_34.001	Att Tank_1-1	Basin_1	30.752	Pipe	256.264		0.6	1
1_18.000	PP_40sq.m	1_10	79.966	No Delay				
1_19.000	PP_40sq.m (1)	1_10	70.923	No Delay				
1_20.000	PP_40sq.m (3)	1_10	48.722	No Delay				
1_21.000	PP_40sq.m (4)	1_10	38.018	No Delay				
1_22.000	PP_40sq.m (5)	1_10	29.471	No Delay				
1_23.000	PP_40sq.m (6)	1_10	20.997	No Delay				
1_24.000	PP_40sq.m (7)	1_10	17.253	No Delay				
1_26.000	PP_40sq.m (8)	1_12	49.996	No Delay				
1_27.000	PP_40sq.m (9)	1_12	40.883	No Delay				
1_28.000	PP_40sq.m (10)	1_12	30.594	No Delay				
1_29.000	PP_40sq.m (11)	1_12	22.939	No Delay				
1_2.000	PP_40sq.m (21)	1_2	14.923	No Delay				
1_3.000	PP_40sq.m (20)	1_2	21.578	No Delay				
1_4.000	PP_40sq.m (19)	1_2	31.517	No Delay				
1_8.000	PP_40sq.m (18)	1_4	26.793	No Delay				
1_9.000	PP_40sq.m (17)	1_4	17.326	No Delay				
1_10.000	PP_40sq.m (16)	1_4	12.559	No Delay				
1_11.000	PP_40sq.m (15)	1_5	52.271	No Delay				
1_12.000	PP_40sq.m (14)	1_5	39.924	No Delay				
1_13.000	PP_40sq.m (13)	1_5	30.775	No Delay				
1_14.000	PP_40sq.m (12)	1_5	20.954	No Delay				
1_5.000	PP_40sq.m (24)	1_2	15.423	No Delay				
1_6.000	PP_40sq.m (25)	1_2	23.835	No Delay				
1_30.000	PP_40sq.m (22)	1_6	20.752	No Delay				

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Connections Storm Phase: Network 1 - surcharged outfall	Company Address:		

1_31.000	PP_(23)	1_6	31.571	No Delay				
1_25.000	PP_40sq.m (2)	1_10	59.725	No Delay				
1_1.007	1_15 (FC)	1_outlet	11.344	Pipe	26.260		0.6	1
1_1.004	1_6	1_13	44.245	Pipe	371.806		0.6	1
1_16.000	1_9	1_8	46.810	Pipe	173.372		0.6	1
1_1.000	1_1	1_2	16.521	Pipe	148.835		0.6	1
1_7.000	1_3	1_2	16.668	Pipe	94.706		0.6	1
1_34.000	1_14	Att Tank_1-1	12.909	Pipe	240.000		0.6	1

Name	Diameter / Base Width (mm)	Upstream Cover Elevation (m)	Upstream Invert Elevation (m)	Downstream Cover Elevation (m)	Downstream Invert Elevation (m)	Part Family	Lock	Flow Restriction (L/s)
1_15.002	375	6.569	4.690	6.260	4.220		Elevations	
1_15.003	450	6.260	4.145	6.200	3.990		None	
1_15.004	450	6.200	3.990	5.997	3.668		Elevations	
1_1.005	600	5.000	3.399	5.320	3.359		Elevations	
1_1.001	525	6.102	4.239	6.225	3.896		None	
1_1.002	600	6.225	3.821	5.505	3.653		None	
1_1.003	600	5.505	3.653	5.997	3.518		None	
1_1.006	300	5.320	3.000	5.000	2.990		None	
1_15.001	150	6.629	4.950	6.569	4.915		None	
1_17.001	150	6.303	4.650	6.260	4.445		None	
1_32.000	300	5.429	3.200	5.275	3.150		Elevations	
1_15.000	100	6.652	5.240	6.629	5.000		None	1.7
1_17.000	100	6.382	5.092	6.303	4.700		None	2.4
1_33.000	300	5.265	3.200	5.190	3.150		Elevations	
1_34.001	300	5.990	3.270	5.320	3.150		Elevations	
1_18.000								
1_19.000								
1_20.000								
1_21.000								
1_22.000								
1_23.000								
1_24.000								
1_26.000								
1_27.000								
1_28.000								
1_29.000								
1_2.000								
1_3.000								
1_4.000								
1_8.000								
1_9.000								
1_10.000								
1_11.000								
1_12.000								
1_13.000								
1_14.000								
1_5.000								
1_6.000								
1_30.000								
1_31.000								
1_25.000								
1_1.007	150	5.000	2.990	4.187	2.558		None	4.7
1_1.004	600	5.997	3.518	5.000	3.399		None	
1_16.000	225	6.558	5.110	6.569	4.840		None	
1_1.000	225	5.930	4.650	6.102	4.539		None	
1_7.000	150	5.867	4.790	6.102	4.614		None	
1_34.000	300	6.267	3.450	5.921	3.396		Elevations	

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by: AK	Checked by:	Approved By:
Report Details: Type: Connections Storm Phase: Network 1 - surcharged outfall	Company Address:		

Name	Culvert Type	Culvert Entrance
1_15.002	(None)	(None)
1_15.003	(None)	(None)
1_15.004	(None)	(None)
1_1.005	(None)	(None)
1_1.001	(None)	(None)
1_1.002	(None)	(None)
1_1.003	(None)	(None)
1_1.006	(None)	(None)
1_15.001	(None)	(None)
1_17.001	(None)	(None)
1_32.000	(None)	(None)
1_15.000	(None)	(None)
1_17.000	(None)	(None)
1_33.000	(None)	(None)
1_34.001	(None)	(None)
1_18.000		
1_19.000		
1_20.000		
1_21.000		
1_22.000		
1_23.000		
1_24.000		
1_26.000		
1_27.000		
1_28.000		
1_29.000		
1_2.000		
1_3.000		
1_4.000		
1_8.000		
1_9.000		
1_10.000		
1_11.000		
1_12.000		
1_13.000		
1_14.000		
1_5.000		
1_6.000		
1_30.000		
1_31.000		
1_25.000		
1_1.007	(None)	(None)
1_1.004	(None)	(None)
1_16.000	(None)	(None)
1_1.000	(None)	(None)
1_7.000	(None)	(None)
1_34.000	(None)	(None)

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflow Summary Storm Phase: Network 1 - surcharged outfall	Company Address:		

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analyzed (ha)
Basin_1	Basin_1		Time of Concentration	0.063	100	0	100	0.063
Catchment Area	1_14		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (1)	1_14		Time of Concentration	0.019	100	10	110	0.021
Catchment Area (2)	PP (29)		Time of Concentration	0.014	100	10	110	0.016
Catchment Area (3)	PP (29)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (4)	PP (29)		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (5)	PP (29)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (6)	PP (28)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (7)	PP (28)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (8)	PP (28)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (9)	PP (28)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (10)	1_9		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (11)	1_9		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (12)	1_9		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (13)	1_1		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (14)	1_9		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (15)	PP_40sq.m		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (16)	PP_40sq.m		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (17)	PP_40sq.m (1)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (18)	PP_40sq.m (1)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (19)	PP_40sq.m (2)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (20)	PP_40sq.m (2)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (21)	PP_40sq.m (3)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (22)	PP_40sq.m (3)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (23)	PP_40sq.m (4)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (24)	PP_40sq.m (4)		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (25)	PP_40sq.m (5)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (26)	PP_40sq.m (5)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (27)	PP_40sq.m (6)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (28)	PP_40sq.m (6)		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (29)	PP_40sq.m (7)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (30)	PP_40sq.m (7)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (31)	PP_40sq.m (8)		Time of Concentration	0.002	100	10	110	0.003

Catchment Area (32)	PP_40sq.m (8)		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (33)	PP_40sq.m (9)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (34)	PP_40sq.m (9)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (35)	PP_40sq.m (10)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (36)	PP_40sq.m (10)		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (37)	PP_40sq.m (11)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (38)	PP_40sq.m (11)		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (39)	1_1		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (40)	1_1		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (41)	PP_40sq.m (21)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (42)	PP_40sq.m (21)		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (43)	PP_40sq.m (20)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (44)	PP_40sq.m (20)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (45)	PP_40sq.m (19)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (46)	PP_40sq.m (19)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (47)	PP_40sq.m (18)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (48)	PP_40sq.m (17)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (49)	PP_40sq.m (16)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (50)	PP_40sq.m (15)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (51)	PP_40sq.m (14)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (52)	PP_40sq.m (13)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (53)	PP_40sq.m (12)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (54)	PP_40sq.m (14)		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (55)	PP_40sq.m (12)		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (56)	PP_40sq.m (17)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (57)	PP_40sq.m (18)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (58)	PP_40sq.m (16)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (59)	PP_40sq.m (13)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (60)	PP_40sq.m (15)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (61)	1_5		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (62)	PP (30)		Time of Concentration	0.014	100	10	110	0.016
Catchment Area (63)	Att Tank_1-2		Time of Concentration	0.010	100	10	110	0.011
Catchment Area (64)	PP_40sq.m (25)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (65)	PP_40sq.m (25)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (66)	PP_40sq.m (24)		Time of Concentration	0.008	100	10	110	0.009

Catchment Area (67)	PP_40sq.m (24)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (68)	1_2		Time of Concentration	0.009	100	10	110	0.009
Catchment Area (69)	1_3		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (70)	1_3		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (71)	1_3		Time of Concentration	0.002	100	10	110	0.002
Catchment Area (157)	1_5		Time of Concentration	0.009	100	10	110	0.009
Catchment Area (158)	PP_(23)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (159)	PP_40sq.m (22)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (160)	PP_40sq.m (22)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (161)	PP_(23)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (162)	PP (30)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (208)	PP_40sq.m (25)		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (209)	PP_40sq.m (24)		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (210)	1_2		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (211)	1_3		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (212)	1_1		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (213)	1_1		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (214)	1_1		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (215)	1_9		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (216)	PP_40sq.m (21)		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (217)	PP_40sq.m (20)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (218)	PP_40sq.m (19)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (219)	PP_40sq.m (18)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (220)	PP_40sq.m (17)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (221)	PP_40sq.m (16)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (222)	PP_40sq.m (15)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (223)	PP_40sq.m (14)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (224)	PP_40sq.m (13)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (225)	PP_40sq.m (12)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (226)	PP_40sq.m (11)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (227)	PP_40sq.m (10)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (228)	PP_40sq.m (9)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (229)	PP_40sq.m (8)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (230)	PP_40sq.m (7)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (231)	PP_40sq.m (6)		Time of Concentration	0.005	100	0	100	0.005

Catchment Area (232)	PP_40sq.m (5)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (233)	PP_40sq.m (4)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (234)	PP_40sq.m (3)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (235)	PP_40sq.m (2)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (236)	PP_40sq.m (1)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (237)	PP_40sq.m		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (238)	1_9		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (239)	1_9		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (240)	PP (28)		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (241)	PP (28)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (242)	PP (28)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (243)	PP (28)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (244)	PP (29)		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (245)	PP (29)		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (246)	PP (29)		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (247)	PP (29)		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (248)	PP (29)		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (249)	PP (29)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (250)	1_14		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (251)	1_14		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (252)	1_14		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (253)	1_5		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (289)	PP_(23)		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (290)	1_5		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (291)	PP_40sq.m (22)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (292)	PP (30)		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (293)	PP (30)		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (294)	PP (30)		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (296)	PP (30)		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (297)	Att Tank_1-2		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (298)	PP (30)		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (319)	PP (29)		Time of Concentration	0.013	100	0	100	0.013
Catchment Area (320)	PP (29)		Time of Concentration	0.009	100	0	100	0.009
Catchment Area (321)	1_8		Time of Concentration	0.053	100	0	100	0.053
Catchment Area (322)	1_10		Time of Concentration	0.019	100	0	100	0.019

Catchment Area (323)	1_10		Time of Concentration	0.036	100	0	100	0.036
Catchment Area (324)	PP (28)		Time of Concentration	0.009	100	0	100	0.009
Catchment Area (325)	PP (28)		Time of Concentration	0.009	100	0	100	0.009
Catchment Area (326)	1_8		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (327)	1_10		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (328)	1_6		Time of Concentration	0.032	100	0	100	0.032
Catchment Area (329)	1_5		Time of Concentration	0.036	100	0	100	0.036
Catchment Area (330)	1_5		Time of Concentration	0.013	100	0	100	0.013
Catchment Area (331)	1_4		Time of Concentration	0.058	100	0	100	0.058
Catchment Area (332)	1_2		Time of Concentration	0.031	100	0	100	0.031
Catchment Area (333)	1_2		Time of Concentration	0.034	100	0	100	0.034
Catchment Area (334)	1_3		Time of Concentration	0.013	100	0	100	0.013
Catchment Area (335)	1_14		Time of Concentration	0.020	100	0	100	0.020
Catchment Area (336)	1_5		Time of Concentration	0.021	100	0	100	0.021
Catchment Area (342)	1_2		Time of Concentration	0.011	100	0	100	0.011
Catchment Area (355)	Att Tank_1-2		Time of Concentration	0.036	100	0	100	0.036
Catchment Area (356)	Att Tank_1-2		Time of Concentration	0.020	100	0	100	0.020
Catchment Area (357)	Att Tank_1-2		Time of Concentration	0.012	100	0	100	0.012
Catchment Area (362)	1_1		Time of Concentration	0.034	100	0	100	0.034
Catchment Area (363)	PP (30)		Time of Concentration	0.028	100	0	100	0.028
Catchment Area (373)	1_9		Time of Concentration	0.023	100	0	100	0.023
TOTAL		**0.0**		**1.404**				**1.455**

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Outfall Details Storm Phase: Network 1 - surcharged outfall	Company Address:		

Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Elevation (m)	Elevation Curve
1_outlet	Fixed Surcharged Elevation	☐	3.091	
FEH 2022 : 10 years: +45 %: 15 mins: Summer			3.091	
FEH 2022 : 10 years: +45 %: 15 mins: Winter			3.091	
FEH 2022 : 30 years: +45 %: 15 mins: Summer			3.091	
FEH 2022 : 30 years: +45 %: 15 mins: Winter			3.091	
FEH 2022 : 100 years: +45 %: 15 mins: Summer			3.091	
FEH 2022 : 100 years: +45 %: 15 mins: Winter			3.091	
FEH 2022 : 10 years: +45 %: 30 mins: Summer			3.091	
FEH 2022 : 10 years: +45 %: 30 mins: Winter			3.091	
FEH 2022 : 30 years: +45 %: 30 mins: Summer			3.091	
FEH 2022 : 30 years: +45 %: 30 mins: Winter			3.091	
FEH 2022 : 100 years: +45 %: 30 mins: Summer			3.091	
FEH 2022 : 100 years: +45 %: 30 mins: Winter			3.091	
FEH 2022 : 10 years: +45 %: 60 mins: Summer			3.091	
FEH 2022 : 10 years: +45 %: 60 mins: Winter			3.091	
FEH 2022 : 30 years: +45 %: 60 mins: Summer			3.091	
FEH 2022 : 30 years: +45 %: 60 mins: Winter			3.091	
FEH 2022 : 100 years: +45 %: 60 mins: Summer			3.091	
FEH 2022 : 100 years: +45 %: 60 mins: Winter			3.091	
FEH 2022 : 10 years: +45 %: 120 mins: Summer			3.091	
FEH 2022 : 10 years: +45 %: 120 mins: Winter			3.091	
FEH 2022 : 30 years: +45 %: 120 mins: Summer			3.091	
FEH 2022 : 30 years: +45 %: 120 mins: Winter			3.091	
FEH 2022 : 100 years: +45 %: 120 mins: Summer			3.091	
FEH 2022 : 100 years: +45 %: 120 mins: Winter			3.091	
FEH 2022 : 10 years: +45 %: 240 mins: Summer			3.091	
FEH 2022 : 10 years: +45 %: 240 mins: Winter			3.091	
FEH 2022 : 30 years: +45 %: 240 mins: Summer			3.091	
FEH 2022 : 30 years: +45 %: 240 mins: Winter			3.091	
FEH 2022 : 100 years: +45 %: 240 mins: Summer			3.091	
FEH 2022 : 100 years: +45 %: 240 mins: Winter			3.091	
FEH 2022 : 10 years: +45 %: 360 mins: Summer			3.091	
FEH 2022 : 10 years: +45 %: 360 mins: Winter			3.091	

FEH 2022 : 30 years: +45 %: 360 mins: Summer			3.091	
FEH 2022 : 30 years: +45 %: 360 mins: Winter			3.091	
FEH 2022 : 100 years: +45 %: 360 mins: Summer			3.091	
FEH 2022 : 100 years: +45 %: 360 mins: Winter			3.091	
FEH 2022 : 10 years: +45 %: 480 mins: Summer			3.091	
FEH 2022 : 10 years: +45 %: 480 mins: Winter			3.091	
FEH 2022 : 30 years: +45 %: 480 mins: Summer			3.091	
FEH 2022 : 30 years: +45 %: 480 mins: Winter			3.091	
FEH 2022 : 100 years: +45 %: 480 mins: Summer			3.091	
FEH 2022 : 100 years: +45 %: 480 mins: Winter			3.091	
FEH 2022 : 10 years: +45 %: 960 mins: Summer			3.091	
FEH 2022 : 10 years: +45 %: 960 mins: Winter			3.091	
FEH 2022 : 30 years: +45 %: 960 mins: Summer			3.091	
FEH 2022 : 30 years: +45 %: 960 mins: Winter			3.091	
FEH 2022 : 100 years: +45 %: 960 mins: Summer			3.091	
FEH 2022 : 100 years: +45 %: 960 mins: Winter			3.091	
FEH 2022 : 10 years: +45 %: 1440 mins: Summer			3.091	
FEH 2022 : 10 years: +45 %: 1440 mins: Winter			3.091	
FEH 2022 : 30 years: +45 %: 1440 mins: Summer			3.091	
FEH 2022 : 30 years: +45 %: 1440 mins: Winter			3.091	
FEH 2022 : 100 years: +45 %: 1440 mins: Summer			3.091	
FEH 2022 : 100 years: +45 %: 1440 mins: Winter			3.091	
FEH 2022 : 10 years: +45 %: 2880 mins: Summer			3.091	
FEH 2022 : 10 years: +45 %: 2880 mins: Winter			3.091	
FEH 2022 : 30 years: +45 %: 2880 mins: Summer			3.091	
FEH 2022 : 30 years: +45 %: 2880 mins: Winter			3.091	
FEH 2022 : 100 years: +45 %: 2880 mins: Summer			3.091	
FEH 2022 : 100 years: +45 %: 2880 mins: Winter			3.091	

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Title:	Company Address:		
Rainfall Analysis Criteria			

Runoff Type	Dynamic
Output Interval (mins)	1
Time Step	Reduced
Urban Creep	Use Catchment Values
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	☐

Rainfall

FEH 2022

Type: FEH

Site Location	GB 497250 101750 SU 97250 01750
Rainfall Version	2022
Summer	☑
Winter	☑

Return Period

Return Period (years)	Increase Rainfall (%)
10.0	45.000
30.0	45.000
100.0	45.000

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
240	480
360	720
480	960
960	1920
1440	2880
2880	5760

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Network 1	Company Address:		

FEH 2022: 10 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

Junction	Storm Event	Cover Elevation (m)	Invert Elevation (m)	Max. Elevation (m)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Status
1_2	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.102	4.239	4.442	0.000	104.4	OK
1_5	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.505	3.653	4.012	0.000	169.2	OK
1_12	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.200	3.990	4.150	0.000	98.0	OK
1_8	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.569	4.690	4.855	0.000	65.1	OK
1_10	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.260	4.145	4.387	0.000	97.1	OK
1_4	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.225	3.821	4.089	0.000	134.3	OK
1_13	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.000	3.399	3.836	0.000	276.0	OK
1_15 (FC)	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.000	2.990	3.769	0.000	3.8	Surcharged
1_6	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.997	3.518	3.964	0.000	279.4	OK
1_11	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.303	4.650	4.652	0.000	0.0	OK
1_7	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.629	4.950	4.956	0.000	0.0	OK
1_outlet	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.187	2.558	2.591	0.000	3.8	OK
1_1	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.930	4.650	4.846	0.000	40.4	OK
1_3	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.867	4.790	4.912	0.000	16.5	OK
1_9	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.558	5.110	5.284	0.000	34.7	OK
1_14	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.267	3.450	3.617	0.000	37.6	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Network 1	Company Address:		

FEH 2022: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

Junction	Storm Event	Cover Elevation (m)	Invert Elevation (m)	Max. Elevation (m)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Status
1_2	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.102	4.239	4.476	0.000	134.3	OK
1_5	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.505	3.653	4.103	0.000	208.4	OK
1_12	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.200	3.990	4.170	0.000	129.3	OK
1_8	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.569	4.690	4.880	0.000	83.0	OK
1_10	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.260	4.145	4.424	0.000	124.9	OK
1_4	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.225	3.821	4.165	0.000	158.5	OK
1_13	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.000	3.399	3.925	0.000	331.9	OK
1_15 (FC)	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.000	2.990	3.867	0.000	3.8	Surcharged
1_6	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.997	3.518	4.049	0.000	344.8	OK
1_11	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.303	4.650	4.655	0.000	0.1	OK
1_7	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.629	4.950	4.959	0.000	0.1	OK
1_outlet	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.187	2.558	2.591	0.000	3.8	OK
1_1	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.930	4.650	4.958	0.000	52.6	Surcharged
1_3	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.867	4.790	5.017	0.000	21.2	Surcharged
1_9	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.558	5.110	5.368	0.000	44.0	Surcharged
1_14	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.267	3.450	3.646	0.000	48.7	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Network 1	Company Address:		

FEH 2022: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

Junction	Storm Event	Cover Elevation (m)	Invert Elevation (m)	Max. Elevation (m)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Status
1_2	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.102	4.239	4.511	0.000	171.7	OK
1_5	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.505	3.653	4.267	0.000	237.1	Surcharged
1_12	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.200	3.990	4.206	0.000	156.3	OK
1_8	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.569	4.690	4.912	0.000	105.7	OK
1_10	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.260	4.145	4.466	0.000	156.7	OK
1_4	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.225	3.821	4.310	0.000	197.5	OK
1_13	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.000	3.399	4.026	0.000	395.8	Surcharged
1_15 (FC)	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.000	2.990	3.965	0.000	3.8	Surcharged
1_6	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.997	3.518	4.191	0.000	399.7	Surcharged
1_11	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.303	4.650	4.657	0.000	0.2	OK
1_7	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.629	4.950	4.960	0.000	0.2	OK
1_outlet	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.187	2.558	2.591	0.000	3.8	OK
1_1	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.930	4.650	5.075	0.000	65.5	Surcharged
1_3	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.867	4.790	5.180	0.000	26.4	Surcharged
1_9	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.558	5.110	5.628	0.000	56.3	Surcharged
1_14	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.267	3.450	3.678	0.000	60.9	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Network 1	Company Address:		

FEH 2022: 10 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Elevation (m)	Max. DS Elevation (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Basin_1	FEH 2022: 10 years: +45 %: 960 mins: Winter	3.894	3.894	0.894	0.894	29.8	52.336	0.000	4.2	920.563	88.789	OK
Att Tank_1-1	FEH 2022: 10 years: +45 %: 960 mins: Winter	3.894	3.894	0.624	0.624	24.0	533.882	0.000	1.9	95.667	22.166	OK
Att Tank_1-2	FEH 2022: 10 years: +45 %: 960 mins: Winter	3.894	3.894	0.694	0.694	5.7	114.157	0.000	2.6	10.467	1.201	OK
PP_40sq.m	FEH 2022: 10 years: +45 %: 120 mins: Summer	5.659	5.658	0.374	0.398	3.4	4.587	0.000	0.5	4.821	56.402	OK
PP_40sq.m (1)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.698	5.697	0.457	0.480	2.5	5.563	0.000	0.5	9.029	47.124	OK
PP_40sq.m (2)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.631	5.630	0.446	0.469	2.5	5.432	0.000	0.5	8.869	48.370	OK
PP_40sq.m (3)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.522	5.521	0.457	0.480	2.5	5.563	0.000	0.5	9.029	47.124	OK
PP_40sq.m (4)	FEH 2022: 10 years: +45 %: 120 mins: Summer	5.317	5.316	0.380	0.403	3.4	4.656	0.000	0.5	4.865	55.742	OK
PP_40sq.m (5)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.314	5.313	0.444	0.467	2.5	5.407	0.000	0.5	8.837	48.600	OK
PP_40sq.m (6)	FEH 2022: 10 years: +45 %: 120 mins: Summer	5.253	5.252	0.378	0.401	3.4	4.629	0.000	0.5	4.848	55.996	OK
PP_40sq.m (7)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.402	5.401	0.457	0.480	2.5	5.568	0.000	0.5	9.035	47.070	OK
PP_40sq.m (8)	FEH 2022: 10 years: +45 %: 120 mins: Summer	5.380	5.379	0.383	0.406	3.5	4.685	0.000	0.5	4.884	55.467	OK
PP_40sq.m (9)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.453	5.452	0.442	0.465	2.5	5.388	0.000	0.5	8.815	48.782	OK
PP_40sq.m (10)	FEH 2022: 10 years: +45 %: 120 mins: Summer	5.322	5.321	0.379	0.402	3.4	4.638	0.000	0.5	4.854	55.913	OK

PP_40sq.m (11)	FEH 2022: 10 years: +45 %: 120 mins: Summer	5.226	5.225	0.391	0.414	3.5	4.779	0.000	0.5	4.943	54.572	OK
PP_40sq.m (12)	FEH 2022: 10 years: +45 %: 120 mins: Summer	4.954	4.953	0.402	0.425	3.6	4.918	0.000	0.5	5.030	53.256	OK
PP_40sq.m (13)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.140	5.139	0.461	0.484	2.6	5.618	0.000	0.5	9.097	46.596	OK
PP_40sq.m (14)	FEH 2022: 10 years: +45 %: 120 mins: Summer	5.172	5.171	0.383	0.407	3.5	4.693	0.000	0.5	4.889	55.392	OK
PP_40sq.m (15)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.388	5.387	0.472	0.495	2.6	5.747	0.000	0.5	9.249	45.372	OK
PP_40sq.m (16)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.450	5.449	0.461	0.484	2.6	5.618	0.000	0.5	9.097	46.596	OK
PP_40sq.m (17)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.537	5.537	0.450	0.474	2.5	5.489	0.000	0.5	8.939	47.823	OK
PP_40sq.m (18)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.647	5.646	0.461	0.484	2.6	5.618	0.000	0.5	9.097	46.596	OK
PP_40sq.m (19)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.682	5.681	0.469	0.492	2.6	5.711	0.000	0.5	9.204	45.719	OK
PP_40sq.m (20)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.571	5.570	0.440	0.463	2.5	5.367	0.000	0.5	8.788	48.987	OK
PP_40sq.m (21)	FEH 2022: 10 years: +45 %: 120 mins: Summer	5.393	5.393	0.364	0.388	3.3	4.468	0.000	0.5	4.744	57.530	OK
PP_40sq.m (22)	FEH 2022: 10 years: +45 %: 240 mins: Summer	4.830	4.829	0.485	0.508	2.7	5.898	0.000	0.5	9.427	43.939	OK
PP_(23)	FEH 2022: 10 years: +45 %: 120 mins: Summer	4.763	4.761	0.451	0.475	4.4	5.416	0.000	0.8	7.516	47.763	OK
PP (28)	FEH 2022: 10 years: +45 %: 960 mins: Winter	5.776	5.766	0.494	0.527	3.0	57.516	0.000	0.3	26.800	42.033	OK
PP (29)	FEH 2022: 10 years: +45 %: 960 mins: Winter	5.635	5.619	0.492	0.527	3.5	67.272	0.000	0.4	35.825	42.116	OK
PP (30)	FEH 2022: 10 years: +45 %: 960 mins: Winter	3.919	3.894	0.625	0.694	2.6	55.616	0.000	0.6	16.548	57.312	OK
PP_40sq.m (24)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.437	5.436	0.450	0.473	2.5	5.482	0.000	0.5	8.929	47.894	OK

PP_40sq. m (25)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.542	5.541	0.451	0.474	2.5	5.495	0.000	0.5	8.944	47.770	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Network 1	Company Address:		

FEH 2022: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Elevation (m)	Max. DS Elevation (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Basin_1	FEH 2022: 30 years: +45 %: 1440 mins: Winter	4.112	4.112	1.112	1.112	27.3	92.262	0.000	3.8	1260.526	80.236	OK
Att Tank_1-1	FEH 2022: 30 years: +45 %: 1440 mins: Winter	4.112	4.112	0.842	0.842	21.2	684.334	0.000	2.3	147.427	0.231	OK
Att Tank_1-2	FEH 2022: 30 years: +45 %: 1440 mins: Winter	4.112	4.112	0.912	0.912	4.8	114.364	0.000	3.1	23.750	1.022	OK
PP_40sq.m	FEH 2022: 30 years: +45 %: 120 mins: Summer	5.781	5.780	0.496	0.519	4.3	6.030	0.000	0.5	5.683	42.684	OK
PP_40sq.m (1)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.846	5.845	0.605	0.627	3.5	7.320	0.000	0.6	6.360	30.424	OK
PP_40sq.m (2)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.776	5.775	0.591	0.613	3.4	7.151	0.000	0.6	6.277	32.025	OK
PP_40sq.m (3)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.670	5.669	0.605	0.628	3.5	7.321	0.000	0.6	6.361	30.414	OK
PP_40sq.m (4)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.440	5.439	0.504	0.527	3.0	6.121	0.000	0.5	5.740	41.817	OK
PP_40sq.m (5)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.458	5.457	0.588	0.610	3.4	7.116	0.000	0.6	6.259	32.358	OK
PP_40sq.m (6)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.376	5.375	0.501	0.524	2.9	6.088	0.000	0.5	5.723	42.131	OK
PP_40sq.m (7)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.550	5.549	0.605	0.628	3.5	7.326	0.000	0.6	6.364	30.361	OK
PP_40sq.m (8)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.504	5.503	0.507	0.530	3.0	6.164	0.000	0.6	5.763	41.406	OK
PP_40sq.m (9)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.597	5.595	0.586	0.609	3.4	7.097	0.000	0.6	6.250	32.543	OK
PP_40sq.m (10)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.445	5.444	0.502	0.525	2.9	6.100	0.000	0.5	5.729	42.014	OK

PP_40sq.m (11)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.352	5.351	0.517	0.540	3.0	6.280	0.000	0.6	5.827	40.310	OK
PP_40sq.m (12)	FEH 2022: 30 years: +45 %: 120 mins: Summer	5.084	5.083	0.532	0.555	4.6	6.462	0.000	0.6	5.919	38.578	OK
PP_40sq.m (13)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.290	5.288	0.611	0.634	3.5	7.392	0.000	0.6	6.396	29.736	OK
PP_40sq.m (14)	FEH 2022: 30 years: +45 %: 120 mins: Summer	5.297	5.296	0.508	0.531	4.4	6.173	0.000	0.6	5.762	41.321	OK
PP_40sq.m (15)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.540	5.539	0.625	0.647	3.6	7.555	0.000	0.6	6.476	28.184	OK
PP_40sq.m (16)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.600	5.599	0.611	0.634	3.5	7.392	0.000	0.6	6.396	29.736	OK
PP_40sq.m (17)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.684	5.683	0.597	0.620	3.4	7.229	0.000	0.6	6.315	31.288	OK
PP_40sq.m (18)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.796	5.795	0.611	0.634	3.5	7.392	0.000	0.6	6.396	29.736	OK
PP_40sq.m (19)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.833	5.832	0.621	0.644	3.5	7.511	0.000	0.6	6.455	28.604	OK
PP_40sq.m (20)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.714	5.713	0.584	0.606	3.4	7.068	0.000	0.6	6.236	32.813	OK
PP_40sq.m (21)	FEH 2022: 30 years: +45 %: 120 mins: Summer	5.512	5.511	0.483	0.506	4.2	5.875	0.000	0.5	5.596	44.155	OK
PP_40sq.m (22)	FEH 2022: 30 years: +45 %: 120 mins: Winter	4.985	4.984	0.640	0.663	3.6	7.743	0.000	0.6	6.565	26.400	OK
PP_(23)	FEH 2022: 30 years: +45 %: 120 mins: Summer	4.912	4.909	0.600	0.623	5.6	7.151	0.000	0.9	9.050	31.023	OK
PP (28)	FEH 2022: 30 years: +45 %: 960 mins: Winter	5.906	5.897	0.623	0.657	3.7	72.184	0.000	0.3	30.342	27.250	OK
PP (29)	FEH 2022: 30 years: +45 %: 960 mins: Winter	5.762	5.748	0.619	0.656	4.4	84.186	0.000	0.5	40.574	27.562	OK
PP (30)	FEH 2022: 30 years: +45 %: 1440 mins: Winter	4.118	4.112	0.824	0.912	2.2	73.393	0.000	0.5	23.549	43.667	OK
PP_40sq.m (24)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.583	5.582	0.595	0.618	3.4	7.210	0.000	0.6	6.308	31.466	OK

PP_40sq. m (25)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.688	5.686	0.596	0.619	3.4	7.219	0.000	0.6	6.312	31.377	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Network 1	Company Address:		

FEH 2022: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Elevation (m)	Max. DS Elevation (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Basin_1	FEH 2022: 100 years: +45 %: 1440 mins: Winter	4.703	4.703	1.703	1.703	34.0	291.091	0.000	4.3	1369.514	37.644	OK
Att Tank_1-1	FEH 2022: 100 years: +45 %: 1440 mins: Winter	4.703	4.703	1.433	1.433	28.8	684.896	0.000	8.2	18.739	0.149	OK
Att Tank_1-2	FEH 2022: 100 years: +45 %: 1440 mins: Winter	4.703	4.703	1.503	1.503	5.8	114.925	0.000	2.8	45.921	0.536	OK
PP_40sq.m	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.927	5.925	0.642	0.665	3.6	7.762	0.000	0.6	6.573	26.218	OK
PP_40sq.m (1)	FEH 2022: 100 years: +45 %: 120 mins: Winter	6.023	6.022	0.782	0.804	4.3	9.425	0.000	0.7	7.322	10.416	OK
PP_40sq.m (2)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.950	5.949	0.765	0.787	4.3	9.218	0.000	0.7	7.233	12.380	OK
PP_40sq.m (3)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.848	5.846	0.782	0.805	4.3	9.428	0.000	0.7	7.324	10.380	OK
PP_40sq.m (4)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.588	5.587	0.652	0.674	3.7	7.877	0.000	0.6	6.628	25.124	OK
PP_40sq.m (5)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.631	5.630	0.761	0.783	4.2	9.174	0.000	0.7	7.214	12.801	OK
PP_40sq.m (6)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.523	5.521	0.647	0.670	3.7	7.828	0.000	0.6	6.605	25.596	OK
PP_40sq.m (7)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.727	5.726	0.782	0.805	4.3	9.429	0.000	0.7	7.324	10.370	OK
PP_40sq.m (8)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.653	5.652	0.656	0.679	3.7	7.928	0.000	0.6	6.652	24.644	OK
PP_40sq.m (9)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.769	5.767	0.758	0.781	4.2	9.140	0.000	0.7	7.199	13.124	OK
PP_40sq.m (10)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.592	5.591	0.649	0.672	3.7	7.844	0.000	0.6	6.612	25.444	OK

PP_40sq.m (11)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.503	5.502	0.669	0.691	3.8	8.078	0.000	0.6	6.722	23.219	OK
PP_40sq.m (12)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.241	5.239	0.689	0.711	3.9	8.316	0.000	0.6	6.832	20.949	OK
PP_40sq.m (13)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.468	5.467	0.789	0.812	4.4	9.512	0.000	0.7	7.359	9.587	OK
PP_40sq.m (14)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.445	5.444	0.657	0.680	3.7	7.939	0.000	0.6	6.658	24.539	OK
PP_40sq.m (15)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.723	5.722	0.808	0.830	4.5	9.730	0.000	0.7	7.452	7.513	OK
PP_40sq.m (16)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.778	5.777	0.789	0.812	4.4	9.512	0.000	0.7	7.359	9.587	OK
PP_40sq.m (17)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.859	5.858	0.772	0.795	4.3	9.308	0.000	0.7	7.273	11.522	OK
PP_40sq.m (18)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.975	5.973	0.789	0.812	4.4	9.510	0.000	0.7	7.359	9.600	OK
PP_40sq.m (19)	FEH 2022: 100 years: +45 %: 120 mins: Winter	6.016	6.014	0.803	0.825	4.4	9.673	0.000	0.7	7.428	8.050	OK
PP_40sq.m (20)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.886	5.884	0.755	0.778	4.2	9.107	0.000	0.7	7.185	13.437	OK
PP_40sq.m (21)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.654	5.652	0.625	0.647	3.6	7.555	0.000	0.6	6.475	28.184	OK
PP_40sq.m (22)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.174	5.172	0.829	0.851	4.6	9.979	0.000	0.7	7.556	5.149	OK
PP_(23)	FEH 2022: 100 years: +45 %: 120 mins: Summer	5.087	5.084	0.775	0.798	7.0	9.200	0.000	1.1	10.619	11.261	OK
PP (28)	FEH 2022: 100 years: +45 %: 1440 mins: Winter	6.077	6.069	0.794	0.830	3.3	91.578	0.000	0.4	51.341	7.704	OK
PP (29)	FEH 2022: 100 years: +45 %: 960 mins: Winter	5.932	5.920	0.789	0.828	5.5	106.730	0.000	0.5	46.216	8.164	OK
PP (30)	FEH 2022: 100 years: +45 %: 1440 mins: Winter	4.710	4.703	1.416	1.503	3.4	123.467	0.000	0.6	47.054	5.232	OK
PP_40sq.m (24)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.758	5.757	0.771	0.793	4.3	9.292	0.000	0.7	7.265	11.674	OK

PP_40sq. m (25)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.863	5.862	0.772	0.794	4.3	9.304	0.000	0.7	7.270	11.565	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Network 1	Company Address:		

FEH 2022: 10 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Velocity

Connection	Storm Event	From	To	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
1_15.002	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_8	1_10	0.166	28.727	1.4	0.38	65.1	OK
1_15.003	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_10	1_12	0.201	45.873	1.4	0.57	97.1	OK
1_15.004	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_12	1_6	0.225	47.375	1.7	0.2	98.0	OK
1_1.005	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_13	Basin_1	0.419	136.920	1.5	0.9	276.0	OK
1_1.001	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_2	1_4	0.199	47.648	1.4	0.3	104.4	OK
1_1.002	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_4	1_5	0.311	62.412	1.0	0.38	134.3	OK
1_1.003	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_5	1_6	0.403	85.908	0.9	0.46	169.2	OK
1_1.006	FEH 2022: 10 years: +45 %: 15 mins: Summer	Basin_1	1_15 (FC)	0.300	6.198	0.7	0.08	5.9	Surcharged
1_15.001	FEH 2022: 10 years: +45 %: 960 mins: Winter	1_7	1_8	0.014	26.771	0.4	0.02	0.3	OK
1_17.001	FEH 2022: 10 years: +45 %: 960 mins: Winter	1_11	1_10	0.011	35.800	0.8	0.01	0.4	OK
1_32.000	FEH 2022: 10 years: +45 %: 30 mins: Winter	Att Tank_1-2	Basin_1	0.300	0.011	0.5	0.39	34.4	Surcharged
1_15.000	FEH 2022: 10 years: +45 %: 960 mins: Winter	PP (28)	1_7	0.010	26.789	0.8	0.02	0.3	Surcharged
1_17.000	FEH 2022: 10 years: +45 %: 960 mins: Winter	PP (29)	1_11	0.012	35.813	0.8	0.03	0.4	Surcharged
1_33.000	FEH 2022: 10 years: +45 %: 2880 mins: Summer	PP (30)	Basin_1	0.300	53.307	0.3	0	0.4	Surcharged
1_34.001	FEH 2022: 10 years: +45 %: 2880 mins: Winter	Att Tank_1-1	Basin_1	0.300	0.000	0.0	0.04	2.5	Surcharged
1_18.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40sq.m	1_10	0.004	0.460	0.0		0.4	
1_19.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40sq.m (1)	1_10	0.005	0.506	0.0		0.4	
1_20.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40sq.m (3)	1_10	0.005	0.506	0.0		0.4	
1_21.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40sq.m (4)	1_10	0.006	0.463	0.0		0.4	
1_22.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40sq.m (5)	1_10	0.007	0.500	0.0		0.4	
1_23.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40sq.m (6)	1_10	0.008	0.462	0.0		0.4	
1_24.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40sq.m (7)	1_10	0.009	0.506	0.0		0.4	
1_26.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40sq.m (8)	1_12	0.005	0.465	0.0		0.4	
1_27.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40sq.m (9)	1_12	0.006	0.499	0.0		0.4	
1_28.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40sq.m (10)	1_12	0.007	0.462	0.0		0.4	
1_29.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40sq.m (11)	1_12	0.008	0.469	0.0		0.4	
1_2.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40sq.m (21)	1_2	0.009	0.453	0.0		0.4	
1_3.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40sq.m (20)	1_2	0.008	0.498	0.0		0.4	
1_4.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40sq.m (19)	1_2	0.007	0.513	0.0		0.4	
1_8.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40sq.m (18)	1_4	0.007	0.509	0.0		0.4	
1_9.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40sq.m (17)	1_4	0.009	0.503	0.0		0.4	
1_10.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40sq.m (16)	1_4	0.011	0.509	0.0		0.4	
1_11.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40sq.m (15)	1_5	0.005	0.515	0.0		0.4	

1_12.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (14)	1_5	0.006	0.465	0.0		0.4	
1_13.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (13)	1_5	0.007	0.509	0.0		0.4	
1_14.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (12)	1_5	0.008	0.476	0.0		0.4	
1_5.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (24)	1_2	0.010	0.503	0.0		0.4	
1_6.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (25)	1_2	0.008	0.503	0.0		0.4	
1_30.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (22)	1_6	0.008	0.521	0.0		0.4	
1_31.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (23)	1_6	0.009	0.810	0.0		0.7	
1_25.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (2)	1_10	0.005	0.501	0.0		0.4	
1_1.007	FEH 2022: 10 years: +45 %: 30 mins: Summer	1_15 (FC)	1_outlet	0.034	11.765	1.3	0.11	3.8	Surcharged
1_1.004	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_6	1_13	0.434	141.171	1.3	0.79	279.4	OK
1_16.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_9	1_8	0.165	15.471	1.1	0.88	34.7	OK
1_1.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_1	1_2	0.182	17.799	1.2	0.95	40.4	OK
1_7.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_3	1_2	0.116	7.296	1.1	0.91	16.5	OK
1_34.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_14	Att Tank_1-1	0.158	16.507	1.0	0.53	37.6	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Network 1	Company Address:		

FEH 2022: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Velocity

Connection	Storm Event	From	To	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
1_15.002	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_8	1_10	0.197	37.267	1.4	0.48	83.0	OK
1_15.003	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_10	1_12	0.229	58.848	1.6	0.74	124.9	OK
1_15.004	FEH 2022: 30 years: +45 %: 15 mins: Winter	1_12	1_6	0.260	60.606	1.7	0.25	120.7	OK
1_1.005	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_13	Basin_1	0.512	173.892	1.5	1.08	331.9	OK
1_1.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_2	1_4	0.243	59.592	1.4	0.38	134.3	OK
1_1.002	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_4	1_5	0.397	80.192	1.0	0.44	158.5	OK
1_1.003	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_5	1_6	0.491	110.468	0.9	0.57	208.4	OK
1_1.006	FEH 2022: 30 years: +45 %: 15 mins: Winter	Basin_1	1_15 (FC)	0.300	6.121	0.8	0.09	6.2	Surcharged
1_15.001	FEH 2022: 30 years: +45 %: 960 mins: Winter	1_7	1_8	0.015	30.311	0.4	0.02	0.3	OK
1_17.001	FEH 2022: 30 years: +45 %: 960 mins: Winter	1_11	1_10	0.011	40.547	0.8	0.01	0.5	OK
1_32.000	FEH 2022: 30 years: +45 %: 30 mins: Winter	Att Tank_1-2	Basin_1	0.300	0.009	0.5	0.43	37.9	Surcharged
1_15.000	FEH 2022: 30 years: +45 %: 960 mins: Winter	PP (28)	1_7	0.011	30.330	0.8	0.02	0.3	Surcharged
1_17.000	FEH 2022: 30 years: +45 %: 960 mins: Winter	PP (29)	1_11	0.012	40.561	0.9	0.03	0.5	Surcharged
1_33.000	FEH 2022: 30 years: +45 %: 2880 mins: Summer	PP (30)	Basin_1	0.300	50.347	0.3	0	0.4	Surcharged
1_34.001	FEH 2022: 30 years: +45 %: 960 mins: Summer	Att Tank_1-1	Basin_1	0.300	0.017	0.0	0.04	2.8	Surcharged
1_18.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m	1_10	0.004	0.531	0.0		0.4	
1_19.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (1)	1_10	0.005	0.585	0.0		0.5	
1_20.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (3)	1_10	0.006	0.585	0.0		0.5	
1_21.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (4)	1_10	0.006	0.535	0.0		0.4	
1_22.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (5)	1_10	0.008	0.577	0.0		0.5	
1_23.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (6)	1_10	0.009	0.534	0.0		0.4	
1_24.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (7)	1_10	0.010	0.585	0.0		0.5	
1_26.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (8)	1_12	0.006	0.537	0.0		0.4	
1_27.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (9)	1_12	0.006	0.576	0.0		0.5	
1_28.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (10)	1_12	0.007	0.534	0.0		0.4	
1_29.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (11)	1_12	0.008	0.542	0.0		0.4	
1_2.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (21)	1_2	0.010	0.525	0.0		0.4	
1_3.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (20)	1_2	0.009	0.575	0.0		0.5	
1_4.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (19)	1_2	0.007	0.592	0.0		0.5	
1_8.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (18)	1_4	0.008	0.587	0.0		0.5	
1_9.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (17)	1_4	0.010	0.581	0.0		0.5	
1_10.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (16)	1_4	0.012	0.587	0.0		0.5	
1_11.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (15)	1_5	0.006	0.594	0.0		0.5	

1_12.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40s q.m (14)	1_5	0.006	0.538	0.0		0.4	
1_13.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40s q.m (13)	1_5	0.007	0.587	0.0		0.5	
1_14.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40s q.m (12)	1_5	0.009	0.550	0.0		0.4	
1_5.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40s q.m (24)	1_2	0.010	0.581	0.0		0.5	
1_6.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40s q.m (25)	1_2	0.008	0.581	0.0		0.5	
1_30.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40s q.m (22)	1_6	0.009	0.601	0.0		0.5	
1_31.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_ (23)	1_6	0.009	0.937	0.0		0.8	
1_25.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40s q.m (2)	1_10	0.005	0.578	0.0		0.5	
1_1.007	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_15 (FC)	1_outlet	0.034	5.271	1.3	0.11	3.8	Surcharged
1_1.004	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_6	1_13	0.526	179.993	1.4	0.97	344.8	OK
1_16.000	FEH 2022: 30 years: +45 %: 15 mins: Winter	1_9	1_8	0.195	20.016	1.1	1.04	41.0	OK
1_1.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_1	1_2	0.225	23.016	1.3	1.24	52.6	Surcharged
1_7.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_3	1_2	0.150	9.445	1.2	1.16	21.2	Surcharged
1_34.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_14	Att Tank_1-1	0.184	21.348	1.1	0.68	48.7	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Network 1	Company Address:		



FEH 2022: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Velocity

Connection	Storm Event	From	To	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
1_15.002	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_8	1_10	0.234	46.591	1.5	0.61	105.7	OK
1_15.003	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_10	1_12	0.262	73.182	1.6	0.92	156.7	OK
1_15.004	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_12	1_6	0.369	75.105	1.7	0.32	156.3	OK
1_1.005	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_13	Basin_1	0.600	212.697	1.6	1.29	395.8	Surcharged
1_1.001	FEH 2022: 100 years: +45 %: 30 mins: Summer	1_2	1_4	0.304	103.268	1.5	0.45	158.8	OK
1_1.002	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_4	1_5	0.551	99.843	1.0	0.55	197.5	OK
1_1.003	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_5	1_6	0.600	136.543	1.0	0.65	237.1	Surcharged
1_1.006	FEH 2022: 100 years: +45 %: 30 mins: Summer	Basin_1	1_15 (FC)	0.300	12.258	0.7	0.08	5.8	Surcharged
1_15.001	FEH 2022: 100 years: +45 %: 1440 mins: Winter	1_7	1_8	0.016	51.310	0.4	0.02	0.4	OK
1_17.001	FEH 2022: 100 years: +45 %: 960 mins: Summer	1_11	1_10	0.105	46.138	0.8	0.01	0.5	OK
1_32.000	FEH 2022: 100 years: +45 %: 60 mins: Winter	Att Tank_1-2	Basin_1	0.300	0.010	0.8	0.67	59.9	Surcharged
1_15.000	FEH 2022: 100 years: +45 %: 1440 mins: Winter	PP (28)	1_7	0.011	51.329	0.8	0.03	0.4	Surcharged
1_17.000	FEH 2022: 100 years: +45 %: 960 mins: Winter	PP (29)	1_11	0.013	46.202	0.9	0.03	0.5	Surcharged
1_33.000	FEH 2022: 100 years: +45 %: 60 mins: Summer	PP (30)	Basin_1	0.300	0.000	0.1	0.09	9.5	Surcharged
1_34.001	FEH 2022: 100 years: +45 %: 1440 mins: Summer	Att Tank_1-1	Basin_1	0.300	0.037	0.2	0.18	12.6	Surcharged
1_18.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m	1_10	0.004	0.601	0.0		0.5	
1_19.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (1)	1_10	0.005	0.660	0.0		0.5	
1_20.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (3)	1_10	0.006	0.660	0.0		0.5	
1_21.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (4)	1_10	0.006	0.605	0.0		0.5	
1_22.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (5)	1_10	0.007	0.651	0.0		0.5	
1_23.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (6)	1_10	0.008	0.604	0.0		0.5	
1_24.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (7)	1_10	0.010	0.660	0.0		0.5	
1_26.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (8)	1_12	0.005	0.607	0.0		0.5	
1_27.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (9)	1_12	0.006	0.650	0.0		0.5	
1_28.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (10)	1_12	0.007	0.604	0.0		0.5	
1_29.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (11)	1_12	0.008	0.613	0.0		0.5	
1_2.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (21)	1_2	0.010	0.593	0.0		0.5	
1_3.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (20)	1_2	0.009	0.649	0.0		0.5	
1_4.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (19)	1_2	0.007	0.668	0.0		0.5	
1_8.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (18)	1_4	0.008	0.663	0.0		0.5	
1_9.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (17)	1_4	0.010	0.656	0.0		0.5	

1_10.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40s q.m (16)	1_4	0.011	0.663	0.0		0.5	
1_11.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40s q.m (15)	1_5	0.006	0.670	0.0		0.5	
1_12.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40s q.m (14)	1_5	0.006	0.608	0.0		0.5	
1_13.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40s q.m (13)	1_5	0.007	0.663	0.0		0.5	
1_14.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40s q.m (12)	1_5	0.009	0.622	0.0		0.5	
1_5.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40s q.m (24)	1_2	0.010	0.656	0.0		0.5	
1_6.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40s q.m (25)	1_2	0.008	0.656	0.0		0.5	
1_30.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40s q.m (22)	1_6	0.009	0.678	0.0		0.5	
1_31.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_(23)	1_6	0.009	1.061	0.0		0.9	
1_25.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40s q.m (2)	1_10	0.005	0.653	0.0		0.5	
1_1.007	FEH 2022: 100 years: +45 %: 1440 mins: Winter	1_15 (FC)	1_outlet	0.036	659.343	1.3	0.12	4.3	Flood Risk
1_1.004	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_6	1_13	0.600	220.684	1.4	1.12	399.7	Surcharged
1_16.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_9	1_8	0.225	25.027	1.4	1.43	56.3	Surcharged
1_1.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_1	1_2	0.225	28.774	1.6	1.54	65.5	Surcharged
1_7.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_3	1_2	0.150	11.801	1.5	1.45	26.4	Surcharged
1_34.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_14	Att Tank_1-1	0.210	26.684	1.2	0.85	60.9	OK

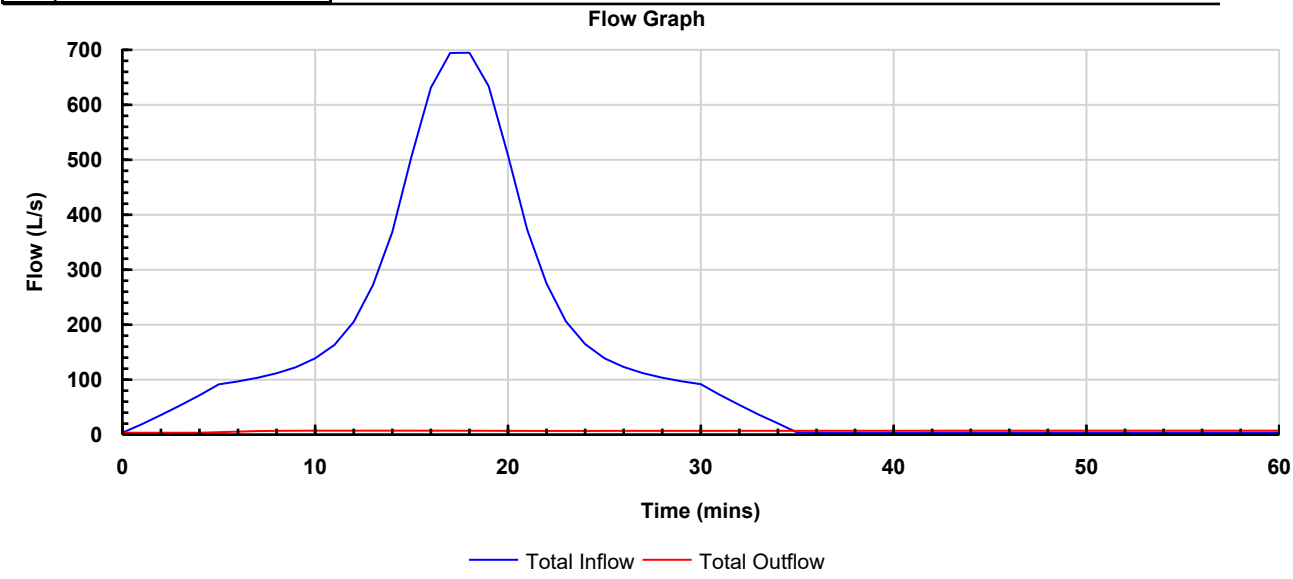
Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Phase Management Storm Phase: Network 1	Company Address:		

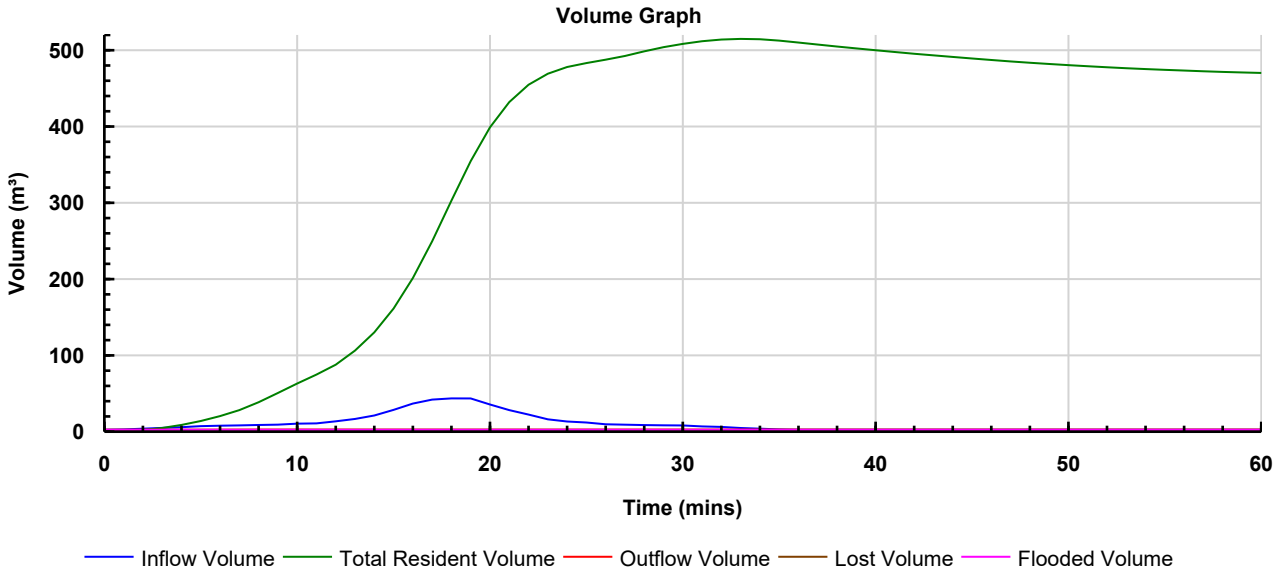
Network 1
FEH 2022: 10 years: Increase Rainfall (%): +45: 30 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
1 outlet			3.8	11.765
TOTAL	694.7	439.119	3.8	11.765

Graphs





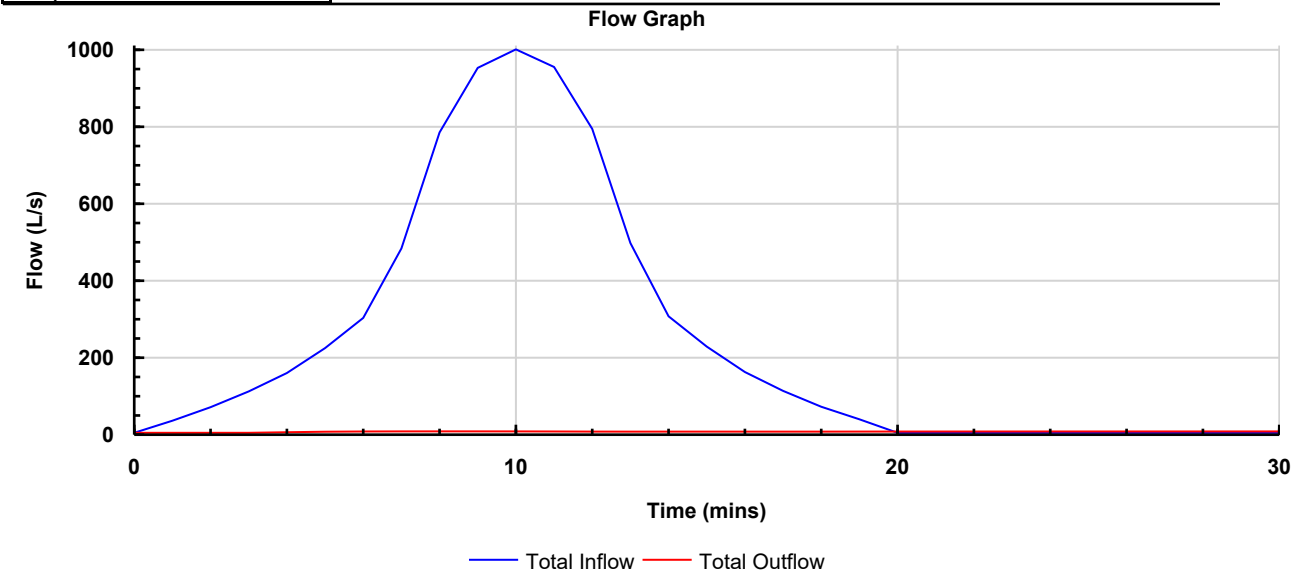
Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Phase Management Storm Phase: Network 1	Company Address:		

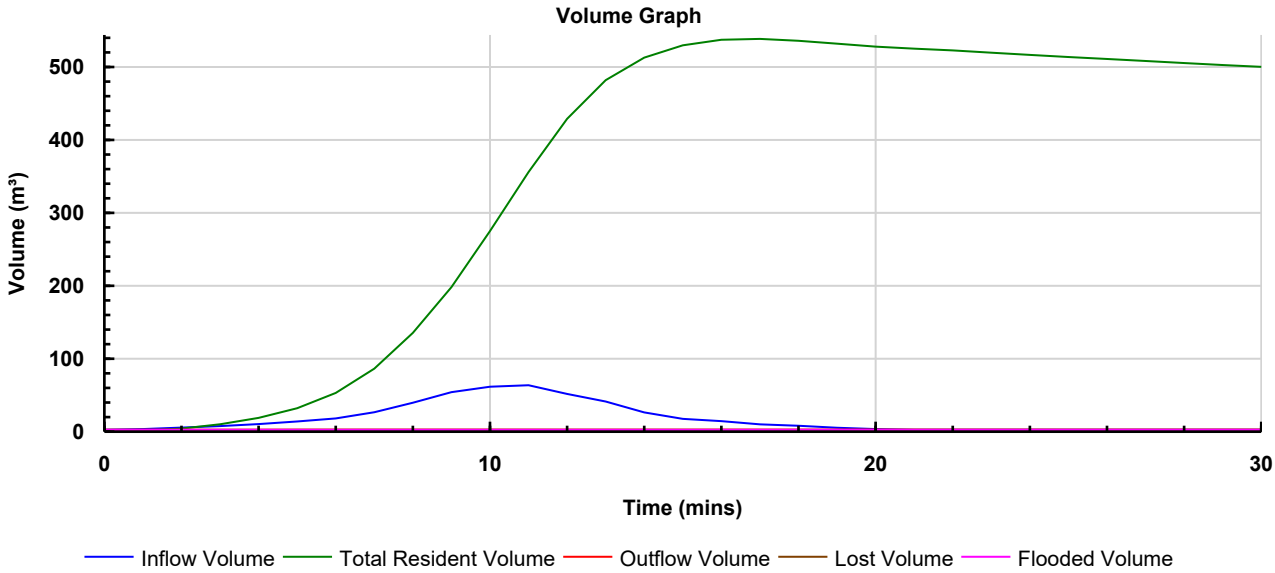
Network 1
FEH 2022: 30 years: Increase Rainfall (%): +45: 15 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
1 outlet			3.8	5.271
TOTAL	1001.1	434.444	3.8	5.271

Graphs





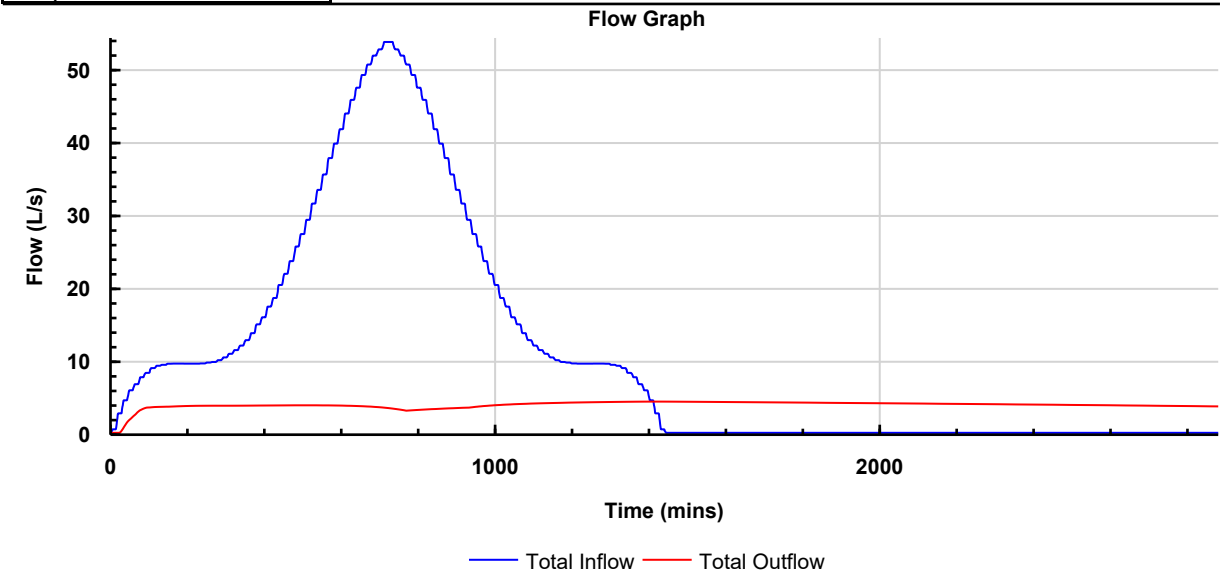
Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Phase Management Storm Phase: Network 1	Company Address:		

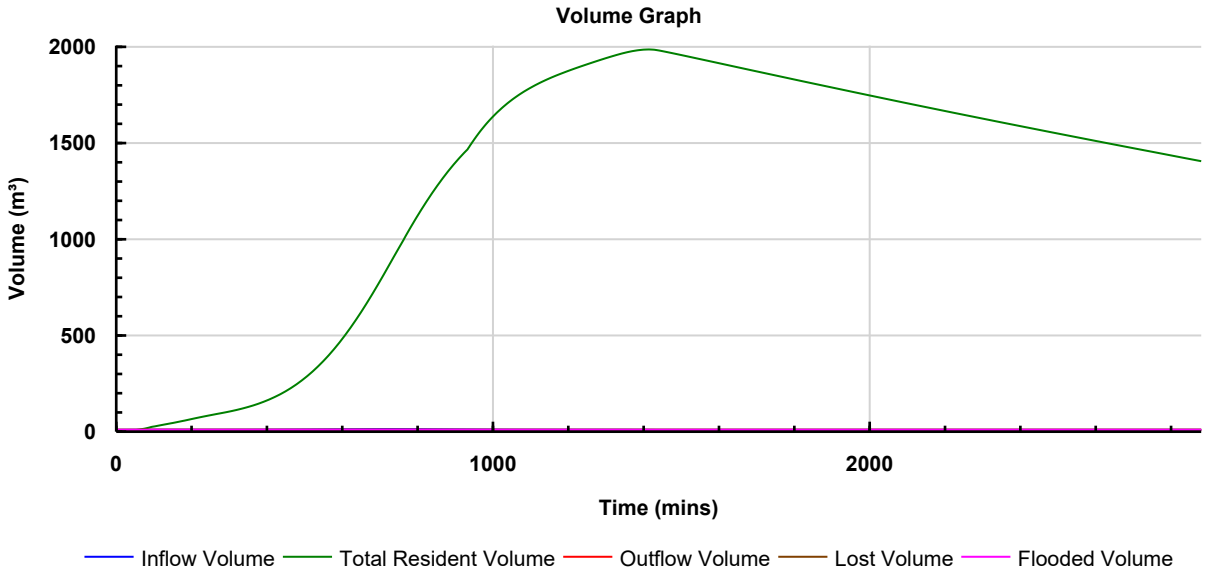
Network 1
FEH 2022: 100 years: Increase Rainfall (%): +45: 1440 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
1 outlet			4.3	659.343
TOTAL	53.9	1835.981	4.3	659.343

Graphs





Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Network 1 - surcharged outfall	Company Address:		

FEH 2022: 10 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

Junction	Storm Event	Cover Elevation (m)	Invert Elevation (m)	Max. Elevation (m)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Status
1_2	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.102	4.239	4.442	0.000	104.4	OK
1_5	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.505	3.653	4.012	0.000	169.1	OK
1_12	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.200	3.990	4.150	0.000	98.0	OK
1_8	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.569	4.690	4.855	0.000	65.1	OK
1_10	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.260	4.145	4.387	0.000	97.1	OK
1_4	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.225	3.821	4.089	0.000	134.3	OK
1_13	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.000	3.399	3.836	0.000	276.1	OK
1_15 (FC)	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.000	2.990	3.771	0.000	3.8	Surcharged
1_6	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.997	3.518	3.964	0.000	279.4	OK
1_11	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.303	4.650	4.652	0.000	0.0	OK
1_7	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.629	4.950	4.956	0.000	0.0	OK
1_outlet	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.187	2.558	3.091	0.000	3.8	OK
1_1	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.930	4.650	4.846	0.000	40.4	OK
1_3	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.867	4.790	4.912	0.000	16.5	OK
1_9	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.558	5.110	5.284	0.000	34.7	OK
1_14	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.267	3.450	3.617	0.000	37.6	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Junctions Summary Storm Phase: Network 1 - surcharged outfall	Company Address:		

FEH 2022: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

Junction	Storm Event	Cover Elevation (m)	Invert Elevation (m)	Max. Elevation (m)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Status
1_2	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.102	4.239	4.476	0.000	134.3	OK
1_5	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.505	3.653	4.103	0.000	208.1	OK
1_12	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.200	3.990	4.170	0.000	129.3	OK
1_8	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.569	4.690	4.880	0.000	83.0	OK
1_10	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.260	4.145	4.424	0.000	124.9	OK
1_4	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.225	3.821	4.165	0.000	158.5	OK
1_13	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.000	3.399	3.925	0.000	331.8	OK
1_15 (FC)	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.000	2.990	3.867	0.000	3.8	Surcharged
1_6	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.997	3.518	4.049	0.000	344.8	OK
1_11	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.303	4.650	4.655	0.000	0.1	OK
1_7	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.629	4.950	4.959	0.000	0.1	OK
1_outlet	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.187	2.558	3.091	0.000	3.8	OK
1_1	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.930	4.650	4.958	0.000	52.6	Surcharged
1_3	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.867	4.790	5.017	0.000	21.2	Surcharged
1_9	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.558	5.110	5.368	0.000	44.0	Surcharged
1_14	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.267	3.450	3.646	0.000	48.7	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Network 1 - surcharged outfall	Company Address:		

FEH 2022: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

Junction	Storm Event	Cover Elevation (m)	Invert Elevation (m)	Max. Elevation (m)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Status
1_2	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.102	4.239	4.511	0.000	171.7	OK
1_5	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.505	3.653	4.267	0.000	237.1	Surcharged
1_12	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.200	3.990	4.207	0.000	156.3	OK
1_8	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.569	4.690	4.912	0.000	105.7	OK
1_10	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.260	4.145	4.466	0.000	156.7	OK
1_4	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.225	3.821	4.310	0.000	197.7	OK
1_13	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.000	3.399	4.026	0.000	395.7	Surcharged
1_15 (FC)	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.000	2.990	3.965	0.000	3.8	Surcharged
1_6	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.997	3.518	4.191	0.000	399.6	Surcharged
1_11	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.303	4.650	4.657	0.000	0.2	OK
1_7	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.629	4.950	4.960	0.000	0.2	OK
1_outlet	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.187	2.558	3.091	0.000	3.8	OK
1_1	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.930	4.650	5.075	0.000	65.5	Surcharged
1_3	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.867	4.790	5.180	0.000	26.4	Surcharged
1_9	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.558	5.110	5.628	0.000	56.3	Surcharged
1_14	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.267	3.450	3.678	0.000	60.9	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Network 1 - surcharged outfall	Company Address:		

FEH 2022: 10 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Elevation (m)	Max. DS Elevation (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Basin_1	FEH 2022: 10 years: +45 %: 960 mins: Winter	3.899	3.899	0.899	0.899	29.8	53.021	0.000	4.1	926.437	88.642	OK
Att Tank_1-1	FEH 2022: 10 years: +45 %: 960 mins: Winter	3.899	3.899	0.629	0.629	23.9	537.795	0.000	2.1	100.647	21.595	OK
Att Tank_1-2	FEH 2022: 10 years: +45 %: 960 mins: Winter	3.899	3.899	0.699	0.699	5.6	114.161	0.000	0.8	10.502	1.197	OK
PP_40sq.m	FEH 2022: 10 years: +45 %: 120 mins: Summer	5.659	5.658	0.374	0.398	3.4	4.587	0.000	0.5	4.821	56.400	OK
PP_40sq.m (1)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.698	5.697	0.457	0.480	2.5	5.563	0.000	0.5	9.030	47.123	OK
PP_40sq.m (2)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.631	5.630	0.446	0.469	2.5	5.432	0.000	0.5	8.869	48.369	OK
PP_40sq.m (3)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.522	5.521	0.457	0.480	2.5	5.563	0.000	0.5	9.030	47.123	OK
PP_40sq.m (4)	FEH 2022: 10 years: +45 %: 120 mins: Summer	5.317	5.316	0.380	0.403	3.4	4.656	0.000	0.5	4.866	55.740	OK
PP_40sq.m (5)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.314	5.313	0.444	0.467	2.5	5.408	0.000	0.5	8.838	48.599	OK
PP_40sq.m (6)	FEH 2022: 10 years: +45 %: 120 mins: Summer	5.253	5.252	0.378	0.401	3.4	4.630	0.000	0.5	4.848	55.995	OK
PP_40sq.m (7)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.402	5.401	0.457	0.480	2.5	5.568	0.000	0.5	9.036	47.070	OK
PP_40sq.m (8)	FEH 2022: 10 years: +45 %: 120 mins: Summer	5.380	5.379	0.383	0.406	3.5	4.685	0.000	0.5	4.884	55.465	OK
PP_40sq.m (9)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.453	5.452	0.442	0.465	2.5	5.388	0.000	0.5	8.815	48.781	OK
PP_40sq.m (10)	FEH 2022: 10 years: +45 %: 120 mins: Summer	5.322	5.321	0.379	0.402	3.4	4.638	0.000	0.5	4.854	55.912	OK

PP_40sq.m (11)	FEH 2022: 10 years: +45 %: 120 mins: Summer	5.226	5.225	0.391	0.414	3.5	4.779	0.000	0.5	4.944	54.570	OK
PP_40sq.m (12)	FEH 2022: 10 years: +45 %: 120 mins: Summer	4.954	4.953	0.402	0.425	3.6	4.918	0.000	0.5	5.030	53.254	OK
PP_40sq.m (13)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.140	5.139	0.461	0.484	2.6	5.618	0.000	0.5	9.097	46.595	OK
PP_40sq.m (14)	FEH 2022: 10 years: +45 %: 120 mins: Summer	5.172	5.171	0.383	0.407	3.5	4.693	0.000	0.5	4.889	55.390	OK
PP_40sq.m (15)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.388	5.387	0.472	0.495	2.6	5.747	0.000	0.5	9.250	45.371	OK
PP_40sq.m (16)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.451	5.449	0.461	0.484	2.6	5.618	0.000	0.5	9.097	46.595	OK
PP_40sq.m (17)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.538	5.537	0.451	0.474	2.5	5.489	0.000	0.5	8.940	47.822	OK
PP_40sq.m (18)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.647	5.646	0.461	0.484	2.6	5.618	0.000	0.5	9.097	46.595	OK
PP_40sq.m (19)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.682	5.681	0.469	0.492	2.6	5.711	0.000	0.5	9.204	45.718	OK
PP_40sq.m (20)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.571	5.570	0.440	0.463	2.5	5.367	0.000	0.5	8.788	48.986	OK
PP_40sq.m (21)	FEH 2022: 10 years: +45 %: 120 mins: Summer	5.393	5.393	0.364	0.388	3.3	4.468	0.000	0.5	4.744	57.528	OK
PP_40sq.m (22)	FEH 2022: 10 years: +45 %: 240 mins: Summer	4.830	4.829	0.485	0.508	2.7	5.898	0.000	0.5	9.427	43.937	OK
PP_(23)	FEH 2022: 10 years: +45 %: 120 mins: Summer	4.763	4.761	0.451	0.475	4.4	5.416	0.000	0.8	7.517	47.761	OK
PP (28)	FEH 2022: 10 years: +45 %: 960 mins: Winter	5.776	5.766	0.494	0.527	3.0	57.516	0.000	0.3	26.800	42.033	OK
PP (29)	FEH 2022: 10 years: +45 %: 960 mins: Winter	5.635	5.619	0.492	0.527	3.5	67.272	0.000	0.4	35.826	42.116	OK
PP (30)	FEH 2022: 10 years: +45 %: 960 mins: Winter	3.923	3.899	0.629	0.699	2.6	55.974	0.000	0.6	16.782	57.037	OK
PP_40sq.m (24)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.437	5.436	0.450	0.473	2.5	5.482	0.000	0.5	8.929	47.893	OK

PP_40sq. m (25)	FEH 2022: 10 years: +45 %: 240 mins: Summer	5.542	5.541	0.451	0.474	2.5	5.495	0.000	0.5	8.944	47.769	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Network 1 - surcharged outfall	Company Address:		

FEH 2022: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Elevation (m)	Max. DS Elevation (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Basin_1	FEH 2022: 30 years: +45 %: 1440 mins: Winter	4.132	4.132	1.132	1.132	27.3	96.551	0.000	3.9	1246.768	79.317	OK
Att Tank_1-1	FEH 2022: 30 years: +45 %: 1440 mins: Winter	4.132	4.132	0.862	0.862	21.1	684.352	0.000	2.1	136.181	0.228	OK
Att Tank_1-2	FEH 2022: 30 years: +45 %: 1440 mins: Winter	4.132	4.132	0.932	0.932	4.8	114.382	0.000	1.8	24.292	1.006	OK
PP_40sq.m	FEH 2022: 30 years: +45 %: 120 mins: Summer	5.781	5.780	0.496	0.519	4.3	6.030	0.000	0.5	5.684	42.682	OK
PP_40sq.m (1)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.846	5.845	0.605	0.627	3.5	7.320	0.000	0.6	6.361	30.422	OK
PP_40sq.m (2)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.776	5.775	0.591	0.613	3.4	7.151	0.000	0.6	6.277	32.023	OK
PP_40sq.m (3)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.670	5.669	0.605	0.628	3.5	7.321	0.000	0.6	6.361	30.412	OK
PP_40sq.m (4)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.440	5.439	0.504	0.527	3.0	6.121	0.000	0.5	5.740	41.816	OK
PP_40sq.m (5)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.458	5.457	0.588	0.610	3.4	7.116	0.000	0.6	6.260	32.356	OK
PP_40sq.m (6)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.376	5.375	0.501	0.524	2.9	6.088	0.000	0.5	5.723	42.130	OK
PP_40sq.m (7)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.550	5.549	0.605	0.628	3.5	7.326	0.000	0.6	6.364	30.359	OK
PP_40sq.m (8)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.504	5.503	0.507	0.530	3.0	6.165	0.000	0.6	5.763	41.404	OK
PP_40sq.m (9)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.597	5.595	0.586	0.609	3.4	7.097	0.000	0.6	6.250	32.541	OK
PP_40sq.m (10)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.445	5.444	0.502	0.525	2.9	6.101	0.000	0.5	5.730	42.012	OK

PP_40sq.m (11)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.352	5.351	0.517	0.540	3.0	6.280	0.000	0.6	5.827	40.308	OK
PP_40sq.m (12)	FEH 2022: 30 years: +45 %: 120 mins: Summer	5.084	5.083	0.532	0.555	4.6	6.462	0.000	0.6	5.920	38.576	OK
PP_40sq.m (13)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.290	5.288	0.611	0.634	3.5	7.392	0.000	0.6	6.397	29.734	OK
PP_40sq.m (14)	FEH 2022: 30 years: +45 %: 120 mins: Summer	5.297	5.296	0.508	0.531	4.4	6.173	0.000	0.6	5.763	41.320	OK
PP_40sq.m (15)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.540	5.539	0.625	0.647	3.6	7.556	0.000	0.6	6.477	28.181	OK
PP_40sq.m (16)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.600	5.599	0.611	0.634	3.5	7.392	0.000	0.6	6.397	29.734	OK
PP_40sq.m (17)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.684	5.683	0.597	0.620	3.4	7.229	0.000	0.6	6.316	31.286	OK
PP_40sq.m (18)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.796	5.795	0.611	0.634	3.5	7.392	0.000	0.6	6.397	29.734	OK
PP_40sq.m (19)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.833	5.832	0.621	0.644	3.5	7.511	0.000	0.6	6.455	28.601	OK
PP_40sq.m (20)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.714	5.713	0.584	0.606	3.4	7.068	0.000	0.6	6.237	32.812	OK
PP_40sq.m (21)	FEH 2022: 30 years: +45 %: 120 mins: Summer	5.512	5.511	0.483	0.506	4.2	5.875	0.000	0.5	5.597	44.154	OK
PP_40sq.m (22)	FEH 2022: 30 years: +45 %: 120 mins: Winter	4.985	4.984	0.640	0.663	3.6	7.743	0.000	0.6	6.565	26.398	OK
PP_(23)	FEH 2022: 30 years: +45 %: 120 mins: Summer	4.912	4.909	0.600	0.623	5.6	7.151	0.000	0.9	9.050	31.022	OK
PP (28)	FEH 2022: 30 years: +45 %: 960 mins: Winter	5.906	5.897	0.623	0.657	3.7	72.184	0.000	0.3	30.342	27.249	OK
PP (29)	FEH 2022: 30 years: +45 %: 960 mins: Winter	5.762	5.748	0.619	0.656	4.4	84.186	0.000	0.5	40.575	27.562	OK
PP (30)	FEH 2022: 30 years: +45 %: 1440 mins: Winter	4.135	4.132	0.841	0.932	2.2	74.916	0.000	0.5	23.611	42.498	OK
PP_40sq.m (24)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.583	5.582	0.595	0.618	3.4	7.210	0.000	0.6	6.308	31.464	OK

PP_40sq. m (25)	FEH 2022: 30 years: +45 %: 120 mins: Winter	5.688	5.686	0.596	0.619	3.4	7.220	0.000	0.6	6.313	31.375	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Network 1 - surcharged outfall	Company Address:		

FEH 2022: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Elevation (m)	Max. DS Elevation (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Basin_1	FEH 2022: 100 years: +45 %: 1440 mins: Winter	4.715	4.715	1.715	1.715	34.9	296.388	0.000	4.2	1358.370	36.509	OK
Att Tank_1-1	FEH 2022: 100 years: +45 %: 1440 mins: Winter	4.715	4.715	1.445	1.445	28.7	684.906	0.000	7.3	18.943	0.148	OK
Att Tank_1-2	FEH 2022: 100 years: +45 %: 1440 mins: Winter	4.715	4.715	1.515	1.515	5.8	114.936	0.000	4.2	46.379	0.527	OK
PP_40sq.m	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.927	5.925	0.642	0.665	3.6	7.762	0.000	0.6	6.574	26.216	OK
PP_40sq.m (1)	FEH 2022: 100 years: +45 %: 120 mins: Winter	6.023	6.022	0.782	0.805	4.3	9.425	0.000	0.7	7.322	10.414	OK
PP_40sq.m (2)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.950	5.949	0.765	0.787	4.3	9.218	0.000	0.7	7.234	12.377	OK
PP_40sq.m (3)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.848	5.846	0.782	0.805	4.3	9.429	0.000	0.7	7.324	10.378	OK
PP_40sq.m (4)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.588	5.587	0.652	0.674	3.7	7.877	0.000	0.6	6.628	25.122	OK
PP_40sq.m (5)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.631	5.630	0.761	0.783	4.2	9.174	0.000	0.7	7.215	12.799	OK
PP_40sq.m (6)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.523	5.521	0.647	0.670	3.7	7.828	0.000	0.6	6.605	25.593	OK
PP_40sq.m (7)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.727	5.726	0.782	0.805	4.3	9.430	0.000	0.7	7.324	10.368	OK
PP_40sq.m (8)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.653	5.652	0.656	0.679	3.7	7.928	0.000	0.6	6.652	24.641	OK
PP_40sq.m (9)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.769	5.767	0.758	0.781	4.2	9.140	0.000	0.7	7.200	13.121	OK
PP_40sq.m (10)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.592	5.591	0.649	0.672	3.7	7.844	0.000	0.6	6.613	25.442	OK

PP_40sq.m (11)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.503	5.502	0.669	0.691	3.8	8.078	0.000	0.6	6.722	23.217	OK
PP_40sq.m (12)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.241	5.239	0.689	0.711	3.9	8.317	0.000	0.6	6.832	20.947	OK
PP_40sq.m (13)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.468	5.467	0.789	0.812	4.4	9.512	0.000	0.7	7.360	9.584	OK
PP_40sq.m (14)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.445	5.444	0.657	0.680	3.7	7.939	0.000	0.6	6.658	24.536	OK
PP_40sq.m (15)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.723	5.722	0.808	0.830	4.5	9.730	0.000	0.7	7.452	7.510	OK
PP_40sq.m (16)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.778	5.777	0.789	0.812	4.4	9.512	0.000	0.7	7.360	9.584	OK
PP_40sq.m (17)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.859	5.858	0.772	0.795	4.3	9.308	0.000	0.7	7.273	11.520	OK
PP_40sq.m (18)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.975	5.973	0.789	0.812	4.4	9.511	0.000	0.7	7.359	9.597	OK
PP_40sq.m (19)	FEH 2022: 100 years: +45 %: 120 mins: Winter	6.016	6.014	0.803	0.825	4.4	9.674	0.000	0.7	7.429	8.048	OK
PP_40sq.m (20)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.886	5.884	0.755	0.778	4.2	9.107	0.000	0.7	7.186	13.434	OK
PP_40sq.m (21)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.654	5.652	0.625	0.647	3.6	7.556	0.000	0.6	6.475	28.181	OK
PP_40sq.m (22)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.174	5.172	0.829	0.851	4.6	9.979	0.000	0.7	7.557	5.146	OK
PP_(23)	FEH 2022: 100 years: +45 %: 120 mins: Summer	5.087	5.084	0.775	0.798	7.0	9.200	0.000	1.1	10.620	11.259	OK
PP (28)	FEH 2022: 100 years: +45 %: 1440 mins: Winter	6.077	6.069	0.794	0.830	3.3	91.578	0.000	0.4	51.342	7.704	OK
PP (29)	FEH 2022: 100 years: +45 %: 960 mins: Winter	5.932	5.920	0.789	0.828	5.5	106.730	0.000	0.5	46.217	8.164	OK
PP (30)	FEH 2022: 100 years: +45 %: 1440 mins: Winter	4.721	4.715	1.427	1.515	3.4	124.412	0.000	0.5	45.447	4.507	OK
PP_40sq.m (24)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.758	5.757	0.771	0.793	4.3	9.292	0.000	0.7	7.265	11.672	OK

PP_40sq. m (25)	FEH 2022: 100 years: +45 %: 120 mins: Winter	5.863	5.862	0.772	0.794	4.3	9.304	0.000	0.7	7.270	11.562	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Network 1 - surcharged outfall	Company Address:		

FEH 2022: 10 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Velocity

Connection	Storm Event	From	To	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
1_15.002	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_8	1_10	0.166	28.735	1.4	0.38	65.1	OK
1_15.003	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_10	1_12	0.201	45.882	1.4	0.57	97.1	OK
1_15.004	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_12	1_6	0.225	47.388	1.7	0.2	98.0	OK
1_1.005	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_13	Basin_1	0.419	136.944	1.5	0.9	276.1	OK
1_1.001	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_2	1_4	0.199	47.656	1.4	0.3	104.4	OK
1_1.002	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_4	1_5	0.311	62.421	1.0	0.38	134.3	OK
1_1.003	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_5	1_6	0.403	85.922	0.9	0.46	169.1	OK
1_1.006	FEH 2022: 10 years: +45 %: 15 mins: Winter	Basin_1	1_15 (FC)	0.300	5.951	0.1	0.08	5.6	Surcharged
1_15.001	FEH 2022: 10 years: +45 %: 960 mins: Winter	1_7	1_8	0.014	26.771	0.4	0.02	0.3	OK
1_17.001	FEH 2022: 10 years: +45 %: 960 mins: Winter	1_11	1_10	0.011	35.800	0.8	0.01	0.4	OK
1_32.000	FEH 2022: 10 years: +45 %: 30 mins: Winter	Att Tank_1-2	Basin_1	0.300	0.006	0.5	0.39	34.5	Surcharged
1_15.000	FEH 2022: 10 years: +45 %: 960 mins: Winter	PP (28)	1_7	0.010	26.789	0.8	0.02	0.3	Surcharged
1_17.000	FEH 2022: 10 years: +45 %: 960 mins: Winter	PP (29)	1_11	0.012	35.813	0.8	0.03	0.4	Surcharged
1_33.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP (30)	Basin_1	0.300	0.000	0.1	0.07	7.1	Surcharged
1_34.001	FEH 2022: 10 years: +45 %: 2880 mins: Winter	Att Tank_1-1	Basin_1	0.300	0.000	0.1	0.04	2.5	Surcharged
1_18.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m	1_10	0.004	0.460	0.0		0.4	
1_19.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (1)	1_10	0.005	0.506	0.0		0.4	
1_20.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (3)	1_10	0.005	0.507	0.0		0.4	
1_21.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (4)	1_10	0.006	0.463	0.0		0.4	
1_22.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (5)	1_10	0.007	0.500	0.0		0.4	
1_23.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (6)	1_10	0.008	0.462	0.0		0.4	
1_24.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (7)	1_10	0.009	0.507	0.0		0.4	
1_26.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (8)	1_12	0.005	0.465	0.0		0.4	
1_27.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (9)	1_12	0.006	0.499	0.0		0.4	
1_28.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (10)	1_12	0.007	0.462	0.0		0.4	
1_29.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (11)	1_12	0.008	0.469	0.0		0.4	
1_2.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (21)	1_2	0.009	0.454	0.0		0.4	
1_3.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (20)	1_2	0.008	0.498	0.0		0.4	
1_4.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (19)	1_2	0.007	0.513	0.0		0.4	
1_8.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (18)	1_4	0.007	0.509	0.0		0.4	
1_9.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (17)	1_4	0.009	0.503	0.0		0.4	
1_10.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (16)	1_4	0.011	0.509	0.0		0.4	
1_11.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (15)	1_5	0.005	0.515	0.0		0.4	

1_12.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (14)	1_5	0.006	0.465	0.0		0.4	
1_13.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (13)	1_5	0.007	0.509	0.0		0.4	
1_14.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (12)	1_5	0.008	0.476	0.0		0.4	
1_5.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (24)	1_2	0.010	0.503	0.0		0.4	
1_6.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (25)	1_2	0.008	0.503	0.0		0.4	
1_30.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (22)	1_6	0.008	0.521	0.0		0.4	
1_31.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (23)	1_6	0.009	0.810	0.0		0.7	
1_25.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	PP_40s q.m (2)	1_10	0.005	0.501	0.0		0.4	
1_1.007	FEH 2022: 10 years: +45 %: 30 mins: Summer	1_15 (FC)	1_outlet	0.150	11.474	0.2	0.11	3.8	Surcharged
1_1.004	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_6	1_13	0.434	141.216	1.3	0.79	279.4	OK
1_16.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_9	1_8	0.165	15.472	1.1	0.88	34.7	OK
1_1.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_1	1_2	0.182	17.799	1.2	0.95	40.4	OK
1_7.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_3	1_2	0.116	7.296	1.1	0.91	16.5	OK
1_34.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	1_14	Att Tank_1-1	0.158	16.507	1.0	0.53	37.6	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Network 1 - surcharged outfall	Company Address:		

FEH 2022: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Velocity

Connection	Storm Event	From	To	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
1_15.002	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_8	1_10	0.197	37.279	1.4	0.48	83.0	OK
1_15.003	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_10	1_12	0.229	58.873	1.6	0.74	124.9	OK
1_15.004	FEH 2022: 30 years: +45 %: 15 mins: Winter	1_12	1_6	0.260	60.639	1.7	0.25	120.6	OK
1_1.005	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_13	Basin_1	0.512	173.949	1.5	1.08	331.8	OK
1_1.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_2	1_4	0.243	59.629	1.4	0.38	134.3	OK
1_1.002	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_4	1_5	0.397	80.192	1.0	0.44	158.5	OK
1_1.003	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_5	1_6	0.491	110.487	0.9	0.57	208.1	OK
1_1.006	FEH 2022: 30 years: +45 %: 15 mins: Winter	Basin_1	1_15 (FC)	0.300	5.957	0.1	0.08	5.6	Surcharged
1_15.001	FEH 2022: 30 years: +45 %: 960 mins: Winter	1_7	1_8	0.015	30.312	0.4	0.02	0.3	OK
1_17.001	FEH 2022: 30 years: +45 %: 960 mins: Winter	1_11	1_10	0.011	40.548	0.8	0.01	0.5	OK
1_32.000	FEH 2022: 30 years: +45 %: 30 mins: Summer	Att Tank_1-2	Basin_1	0.300	0.007	0.6	0.48	43.0	Surcharged
1_15.000	FEH 2022: 30 years: +45 %: 960 mins: Winter	PP (28)	1_7	0.011	30.330	0.8	0.02	0.3	Surcharged
1_17.000	FEH 2022: 30 years: +45 %: 960 mins: Winter	PP (29)	1_11	0.012	40.561	0.9	0.03	0.5	Surcharged
1_33.000	FEH 2022: 30 years: +45 %: 60 mins: Summer	PP (30)	Basin_1	0.300	0.000	0.1	0.05	5.0	Surcharged
1_34.001	FEH 2022: 30 years: +45 %: 960 mins: Winter	Att Tank_1-1	Basin_1	0.300	0.006	0.0	0.04	2.4	Surcharged
1_18.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m	1_10	0.004	0.532	0.0		0.4	
1_19.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (1)	1_10	0.005	0.585	0.0		0.5	
1_20.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (3)	1_10	0.006	0.585	0.0		0.5	
1_21.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (4)	1_10	0.006	0.536	0.0		0.4	
1_22.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (5)	1_10	0.008	0.577	0.0		0.5	
1_23.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (6)	1_10	0.009	0.534	0.0		0.4	
1_24.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (7)	1_10	0.010	0.585	0.0		0.5	
1_26.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (8)	1_12	0.006	0.537	0.0		0.4	
1_27.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (9)	1_12	0.006	0.576	0.0		0.5	
1_28.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (10)	1_12	0.007	0.535	0.0		0.4	
1_29.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (11)	1_12	0.008	0.542	0.0		0.4	
1_2.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (21)	1_2	0.010	0.525	0.0		0.4	
1_3.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (20)	1_2	0.009	0.575	0.0		0.5	
1_4.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (19)	1_2	0.007	0.592	0.0		0.5	
1_8.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (18)	1_4	0.008	0.587	0.0		0.5	
1_9.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (17)	1_4	0.010	0.581	0.0		0.5	
1_10.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (16)	1_4	0.012	0.587	0.0		0.5	
1_11.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40sq.m (15)	1_5	0.006	0.594	0.0		0.5	

1_12.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40s q.m (14)	1_5	0.006	0.538	0.0		0.4	
1_13.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40s q.m (13)	1_5	0.007	0.587	0.0		0.5	
1_14.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40s q.m (12)	1_5	0.009	0.550	0.0		0.4	
1_5.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40s q.m (24)	1_2	0.011	0.581	0.0		0.5	
1_6.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40s q.m (25)	1_2	0.008	0.581	0.0		0.5	
1_30.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40s q.m (22)	1_6	0.009	0.601	0.0		0.5	
1_31.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40s q.m (23)	1_6	0.009	0.937	0.0		0.8	
1_25.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	PP_40s q.m (2)	1_10	0.005	0.578	0.0		0.5	
1_1.007	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_15 (FC)	1_outlet	0.150	5.002	0.2	0.11	3.8	Surcharged
1_1.004	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_6	1_13	0.526	180.044	1.4	0.97	344.8	OK
1_16.000	FEH 2022: 30 years: +45 %: 15 mins: Winter	1_9	1_8	0.195	20.023	1.1	1.04	41.0	OK
1_1.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_1	1_2	0.225	23.020	1.3	1.24	52.6	Surcharged
1_7.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_3	1_2	0.150	9.447	1.2	1.16	21.2	Surcharged
1_34.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	1_14	Att Tank_1-1	0.184	21.352	1.1	0.68	48.7	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Network 1 - surcharged outfall	Company Address:		

FEH 2022: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Velocity

Connection	Storm Event	From	To	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
1_15.002	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_8	1_10	0.234	46.604	1.5	0.61	105.7	OK
1_15.003	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_10	1_12	0.262	73.202	1.6	0.92	156.7	OK
1_15.004	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_12	1_6	0.370	75.141	1.7	0.32	156.3	OK
1_1.005	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_13	Basin_1	0.600	212.748	1.6	1.29	395.7	Surcharged
1_1.001	FEH 2022: 100 years: +45 %: 30 mins: Summer	1_2	1_4	0.305	103.288	1.5	0.45	158.8	OK
1_1.002	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_4	1_5	0.551	99.892	1.0	0.55	197.7	OK
1_1.003	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_5	1_6	0.600	136.590	1.0	0.65	237.1	Surcharged
1_1.006	FEH 2022: 100 years: +45 %: 15 mins: Winter	Basin_1	1_15 (FC)	0.300	5.856	0.1	0.09	6.1	Surcharged
1_15.001	FEH 2022: 100 years: +45 %: 1440 mins: Winter	1_7	1_8	0.016	51.310	0.4	0.02	0.4	OK
1_17.001	FEH 2022: 100 years: +45 %: 960 mins: Summer	1_11	1_10	0.110	46.138	0.8	0.01	0.5	OK
1_32.000	FEH 2022: 100 years: +45 %: 60 mins: Summer	Att Tank_1-2	Basin_1	0.300	0.007	0.9	0.75	66.9	Surcharged
1_15.000	FEH 2022: 100 years: +45 %: 1440 mins: Winter	PP (28)	1_7	0.011	51.329	0.8	0.03	0.4	Surcharged
1_17.000	FEH 2022: 100 years: +45 %: 960 mins: Winter	PP (29)	1_11	0.013	46.202	0.9	0.03	0.5	Surcharged
1_33.000	FEH 2022: 100 years: +45 %: 60 mins: Summer	PP (30)	Basin_1	0.300	0.000	0.1	0.09	9.5	Surcharged
1_34.001	FEH 2022: 100 years: +45 %: 360 mins: Summer	Att Tank_1-1	Basin_1	0.300	0.000	0.2	0.19	13.2	Surcharged
1_18.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m	1_10	0.005	0.601	0.0		0.5	
1_19.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (1)	1_10	0.005	0.660	0.0		0.5	
1_20.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (3)	1_10	0.006	0.660	0.0		0.5	
1_21.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (4)	1_10	0.007	0.606	0.0		0.5	
1_22.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (5)	1_10	0.008	0.652	0.0		0.5	
1_23.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (6)	1_10	0.009	0.604	0.0		0.5	
1_24.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (7)	1_10	0.010	0.660	0.0		0.5	
1_26.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (8)	1_12	0.006	0.607	0.0		0.5	
1_27.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (9)	1_12	0.007	0.651	0.0		0.5	
1_28.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (10)	1_12	0.007	0.604	0.0		0.5	
1_29.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (11)	1_12	0.009	0.613	0.0		0.5	
1_2.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (21)	1_2	0.010	0.594	0.0		0.5	
1_3.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (20)	1_2	0.009	0.649	0.0		0.5	
1_4.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (19)	1_2	0.008	0.669	0.0		0.5	
1_8.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (18)	1_4	0.008	0.663	0.0		0.5	
1_9.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40sq.m (17)	1_4	0.010	0.656	0.0		0.5	

1_10.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40s q.m (16)	1_4	0.012	0.663	0.0		0.5	
1_11.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40s q.m (15)	1_5	0.006	0.671	0.0		0.5	
1_12.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40s q.m (14)	1_5	0.006	0.608	0.0		0.5	
1_13.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40s q.m (13)	1_5	0.008	0.663	0.0		0.5	
1_14.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40s q.m (12)	1_5	0.009	0.622	0.0		0.5	
1_5.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40s q.m (24)	1_2	0.011	0.656	0.0		0.5	
1_6.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40s q.m (25)	1_2	0.009	0.656	0.0		0.5	
1_30.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40s q.m (22)	1_6	0.009	0.679	0.0		0.5	
1_31.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_(23)	1_6	0.010	1.061	0.0		0.9	
1_25.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	PP_40s q.m (2)	1_10	0.005	0.653	0.0		0.5	
1_1.007	FEH 2022: 100 years: +45 %: 1440 mins: Winter	1_15 (FC)	1_outlet	0.150	646.356	0.2	0.12	4.2	Flood Risk
1_1.004	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_6	1_13	0.600	220.752	1.4	1.12	399.6	Surcharged
1_16.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_9	1_8	0.225	25.029	1.4	1.43	56.3	Surcharged
1_1.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_1	1_2	0.225	28.775	1.6	1.54	65.5	Surcharged
1_7.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_3	1_2	0.150	11.802	1.5	1.45	26.4	Surcharged
1_34.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	1_14	Att Tank_1-1	0.210	26.686	1.2	0.85	60.9	OK

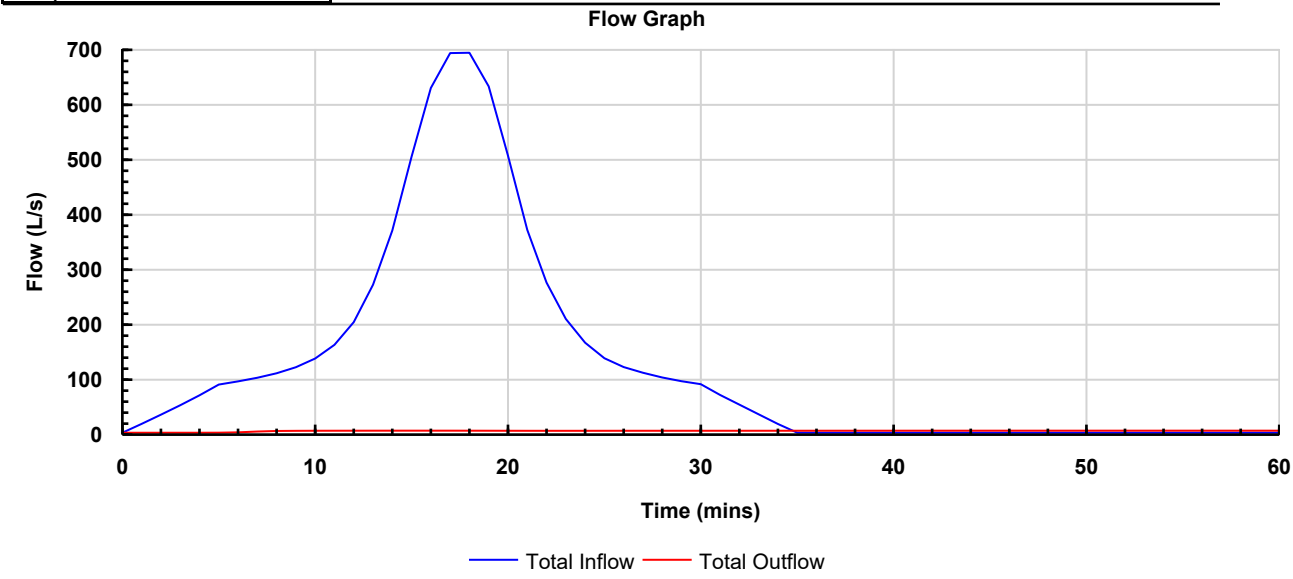
Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Phase Management Storm Phase: Network 1 - surcharged outfall	Company Address:		

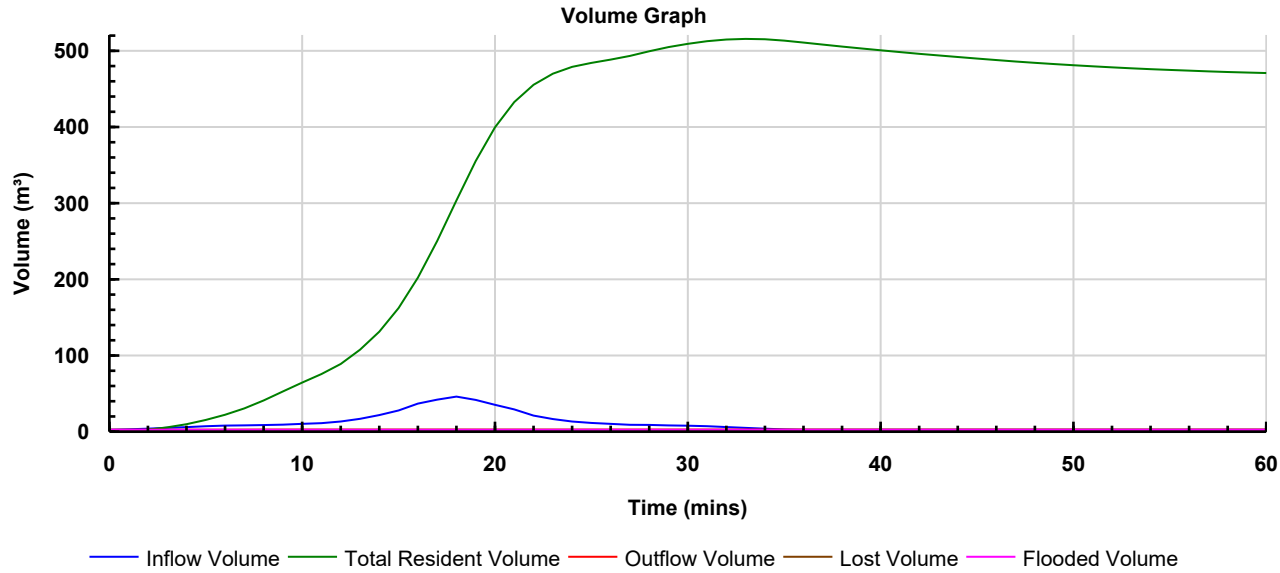
Network 1 - surcharged outfall
FEH 2022: 10 years: Increase Rainfall (%): +45: 30 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
1 outlet			3.8	12.129
TOTAL	694.7	439.549	3.8	11.801

Graphs



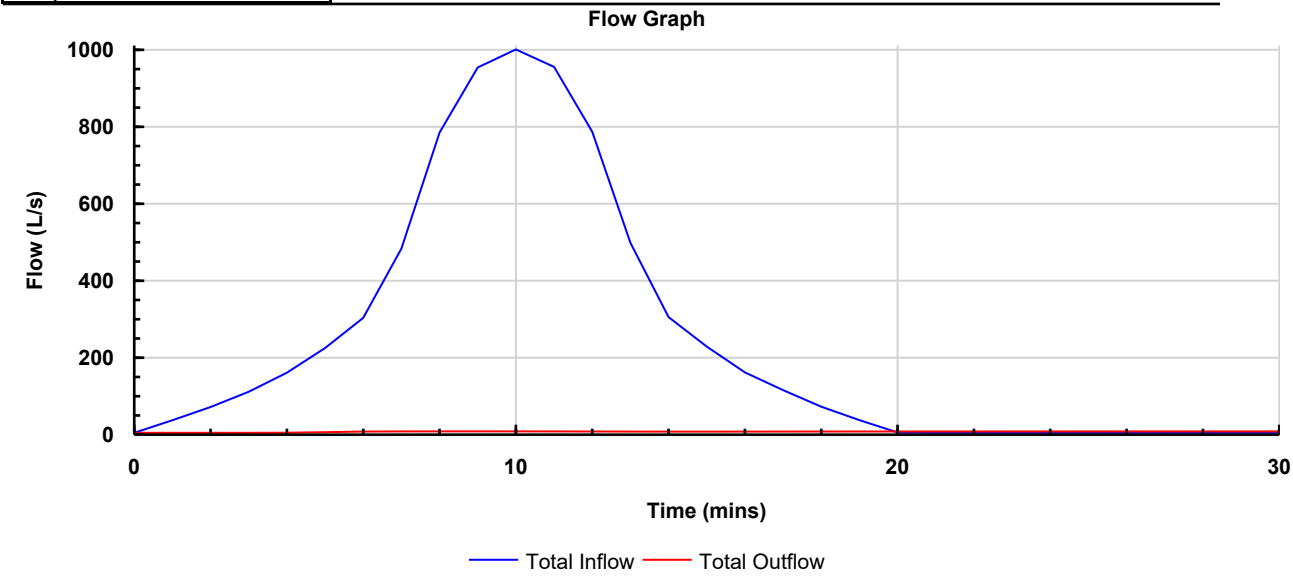


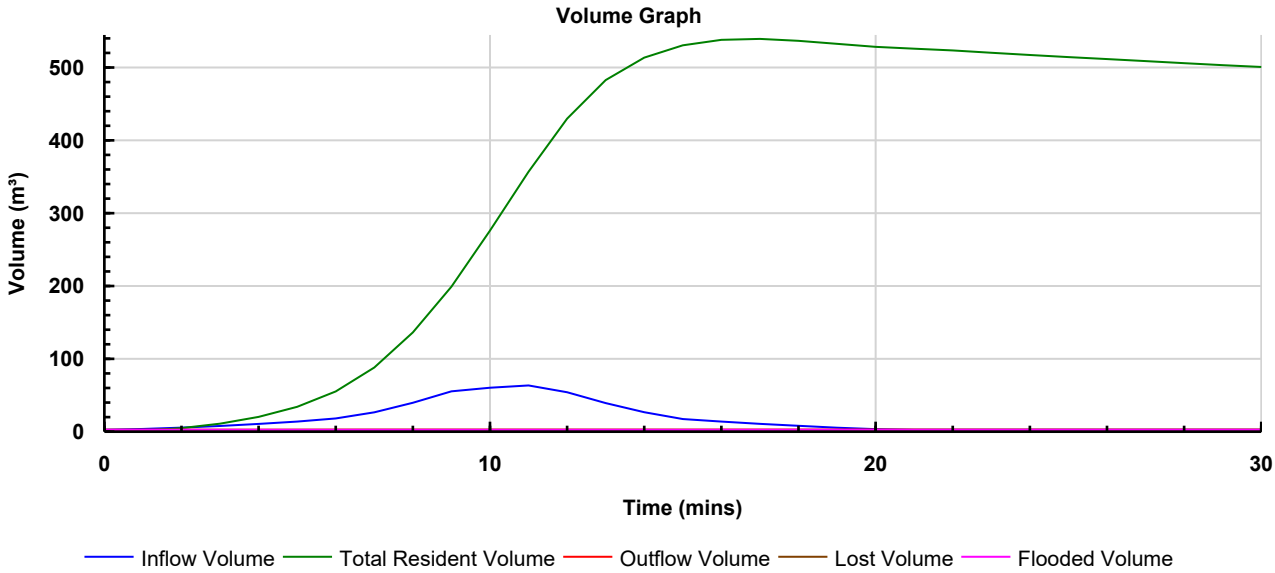
Network 1 - surcharged outfall
FEH 2022: 30 years: Increase Rainfall (%): +45: 15 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
1 outlet			3.8	5.590
TOTAL	1001.0	434.797	3.8	5.296

Graphs





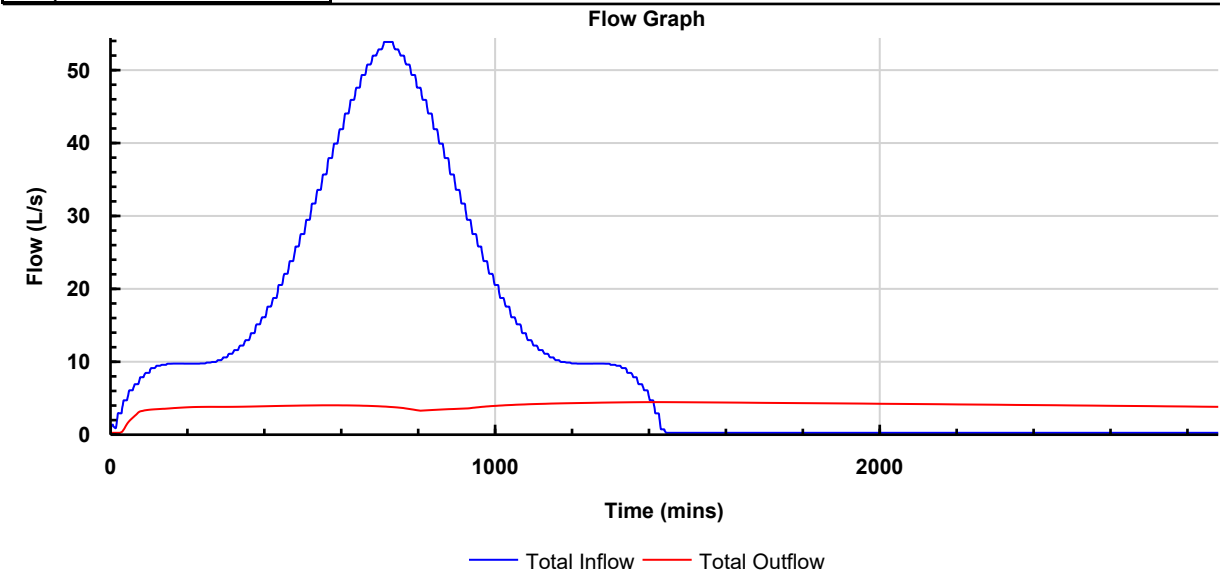
Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Phase Management Storm Phase: Network 1 - surcharged outfall	Company Address:		

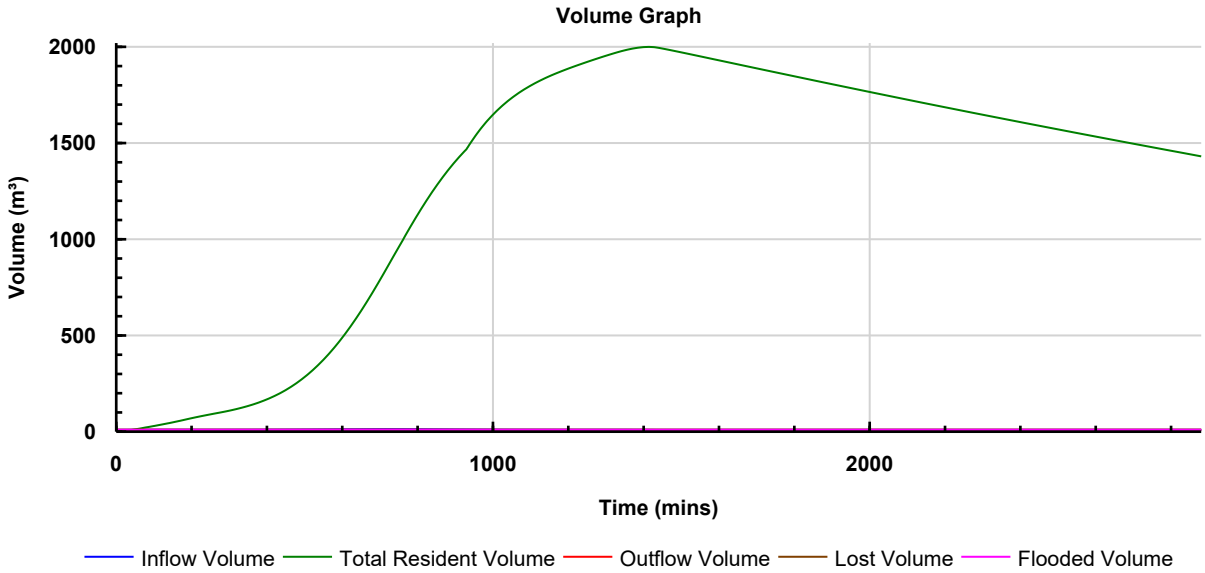
Network 1 - surcharged outfall
FEH 2022: 100 years: Increase Rainfall (%): +45: 1440 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
1 outlet			4.2	647.619
TOTAL	53.9	1836.616	4.2	646.987

Graphs





Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2	Company Address:		



Catchment Area (72)

Type : Catchment Area

Area (ha)	0.01

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (73)

Type : Catchment Area

Area (ha)	0.01

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (74)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2	Company Address:		



Catchment Area (75)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (76)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (77)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Inflows Storm Phase: Network 2	Company Address:		



Catchment Area (78)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (79)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (80)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2	Company Address:		



Catchment Area (81)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (82)

Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (83)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2	Company Address:		



Catchment Area (84)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (85)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (86)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (87) Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (88) Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (89) Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2	Company Address:		



Catchment Area (90)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (91)

Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (92)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (93)

Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (94)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (95)

Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2	Company Address:		



Catchment Area (96)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (97)

Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (98)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2	Company Address:		



Catchment Area (99)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (100)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (101)

Type : Catchment Area

Area (ha)	0.01

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2	Company Address:		



Catchment Area (102)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (103)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (104)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2	Company Address:		



Catchment Area (105)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (106)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (107)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2	Company Address:		



Catchment Area (108)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (109)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (110)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2	Company Address:		



Catchment Area (111)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (112)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (113)

Type : Catchment Area

Area (ha)	0.022

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (114)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (115)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (116)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (117)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (118)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (119)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2	Company Address:		



Catchment Area (120)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (121)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (122)

Type : Catchment Area

Area (ha)	0.016

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2	Company Address:		



Catchment Area (123)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (124)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (125)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2	Company Address:		



Catchment Area (126)

Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (127)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (128)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (129)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (130)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (131)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (132) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (133) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (134) Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2	Company Address:		



Catchment Area (135)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (136)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (137)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (138)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (139)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (140)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (141)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (142)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (143)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (144)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (145)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (146)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (147)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (148)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (149)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (150)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (151)

Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (152)

Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (153)

Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (154)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (155)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (156)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (163)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (164)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (165)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (166)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (167)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (168)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (169)

Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (170)

Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (171)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (172)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (173)

Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (174)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (175)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (176)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (177)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (178)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (179)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (180)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (181)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (182)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (183)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (184)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (185)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (186)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (187)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (188)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (189) Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (190) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (191) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (192)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (193)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (194)

Type : Catchment Area

Area (ha)	0.01

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (195)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (196)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (197)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (198) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (199) Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (200) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (201)

Type : Catchment Area

Area (ha)	0.01

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (202)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (203)

Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (204)

Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (205)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (206)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (207)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (254)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (255)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (256)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (257)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (258)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (259)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (260)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (261)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (262)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (263)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (264)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (265)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (266)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (267)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
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Catchment Area (268)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (269)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (270)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
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Catchment Area (271)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (272)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (273)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
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Catchment Area (274)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (275)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (276)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (277)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (278)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (279)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
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Catchment Area (280)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (281)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (282)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
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Catchment Area (283)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (284)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (285)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
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Catchment Area (286)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (287)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (288)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (299)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (300)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (301)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
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Catchment Area (302)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (303)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (304)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (305)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (306)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (307)

Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
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Catchment Area (308)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (309)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (310)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (311)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (312)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (313)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
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Catchment Area (314)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (315)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (316)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (317)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (318)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (337)

Type : Catchment Area

Area (ha)	0.033

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
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Catchment Area (338)

Type : Catchment Area

Area (ha)	0.029

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (339)

Type : Catchment Area

Area (ha)	0.038

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (340)

Type : Catchment Area

Area (ha)	0.036

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (341)

Type : Catchment Area

Area (ha)	0.032

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (343)

Type : Catchment Area

Area (ha)	0.029

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (344)

Type : Catchment Area

Area (ha)	0.02

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (345)

Type : Catchment Area

Area (ha)	0.033

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (346)

Type : Catchment Area

Area (ha)	0.03

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (347)

Type : Catchment Area

Area (ha)	0.019

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
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Catchment Area (348)

Type : Catchment Area

Area (ha)	0.021

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (349)

Type : Catchment Area

Area (ha)	0.034

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (350)

Type : Catchment Area

Area (ha)	0.028

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (351) Type : Catchment Area

Area (ha)	0.033

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (352) Type : Catchment Area

Area (ha)	0.032

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (353) Type : Catchment Area

Area (ha)	0.036

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
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Catchment Area (354)

Type : Catchment Area

Area (ha)	0.03

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (358)

Type : Catchment Area

Area (ha)	0.032

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (359)

Type : Catchment Area

Area (ha)	0.019

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2	Company Address:		



Catchment Area (360)

Type : Catchment Area

Area (ha)	0.022

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (361)

Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (364)

Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (365)

Type : Catchment Area

Area (ha)	0.018

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (366)

Type : Catchment Area

Area (ha)	0.04

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (367)

Type : Catchment Area

Area (ha)	0.016

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2	Company Address:		



Catchment Area (368)

Type : Catchment Area

Area (ha)	0.036

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (369)

Type : Catchment Area

Area (ha)	0.017

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (370)

Type : Catchment Area

Area (ha)	0.019

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (371)

Type : Catchment Area

Area (ha)	0.039

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (372)

Type : Catchment Area

Area (ha)	0.028

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Basin_2

Type : Catchment Area

Area (ha)	0.40

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
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	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Junctions Storm Phase: Network 2	Company Address:		

Name	Junction Type	Easting (m)	Northing (m)	Cover Elevation (m)	Depth (m)	Invert Elevation (m)	Chamber Shape	Diameter (m)
2_43 (FC)	Manhole	497455.973	102240.402	3.900	1.610	2.290	Circular	1.950
2_1	Manhole	497655.664	102448.782	6.247	1.586	4.661	Circular	1.200
2_5	Manhole	497631.658	102418.337	5.762	1.522	4.240	Circular	1.350
2_8	Manhole	497622.189	102406.333	5.622	1.519	4.103	Circular	1.350
2_9	Manhole	497597.097	102358.798	6.004	2.229	3.775	Circular	1.350
2_18	Manhole	497570.751	102310.374	5.304	2.500	2.804	Circular	2.700
2_22	Manhole	497540.837	102263.657	4.663	1.975	2.688	Circular	2.700
2_24	Manhole	497555.204	102256.047	4.854	1.364	3.490	Circular	1.200
2_21	Manhole	497582.347	102304.058	5.494	1.784	3.710	Circular	1.200
2_11	Manhole	497608.581	102352.589	6.180	1.696	4.484	Circular	1.200
2_7	Manhole	497642.968	102409.426	5.979	1.394	4.585	Circular	1.200
2_2	Manhole	497636.082	102423.946	5.851	1.473	4.378	Circular	1.200
2_30	Manhole	497554.333	102476.668	5.852	1.680	4.172	Circular	1.200
2_31	Manhole	497538.894	102443.809	5.664	1.684	3.980	Circular	1.350
2_32	Manhole	497528.690	102399.984	5.093	1.575	3.518	Circular	1.350
2_28	Manhole	497465.725	102406.129	4.243	1.568	2.675	Circular	2.400
2_36	Manhole	497460.788	102386.672	3.989	1.362	2.627	Circular	2.400
2_38	Manhole	497465.418	102333.244	3.580	1.082	2.498	Circular	2.400
2_13	Manhole	497526.661	102383.967	4.903	1.162	3.741	Circular	1.200
2_15	Manhole	497529.802	102355.643	4.694	1.292	3.402	Circular	1.200
2_17	Manhole	497547.334	102333.398	4.937	1.617	3.320	Circular	1.350
2_12	Manhole	497573.209	102314.744	5.373	2.344	3.029	Circular	2.400
2_25	Manhole	497487.715	102487.842	5.069	1.629	3.440	Circular	1.200
2_26	Manhole	497471.595	102446.876	4.630	1.513	3.117	Circular	1.200
2_27	Manhole	497467.191	102414.184	4.303	1.362	2.941	Circular	1.200
2_4	Manhole	497631.626	102427.461	5.792	1.152	4.640	Circular	1.200
2_34	Manhole	497537.720	102404.202	5.313	1.425	3.888	Circular	1.200
2_(outlet)	Manhole	497385.393	102247.820	2.300	0.568	1.732	Circular	1.200
2_14	Manhole	497526.188	102369.583	4.742	1.111	3.631	Circular	1.200
2_16	Manhole	497537.008	102343.291	4.768	1.409	3.359	Circular	1.200
2_35	Manhole	497475.275	102411.817	4.415	1.421	2.995	Circular	2.400
2_37	Manhole	497458.881	102363.205	3.690	1.119	2.571	Circular	2.400
2_29	Manhole	497583.173	102463.689	5.835	1.335	4.500	Circular	1.200
2_33	Manhole	497566.414	102399.816	5.588	1.488	4.100	Circular	1.200
2_3	Manhole	497613.925	102441.424	5.699	0.929	4.770	Circular	1.200
2_6	Manhole	497667.751	102389.899	6.192	1.432	4.760	Circular	1.200
2_10	Manhole	497638.886	102336.204	6.118	1.443	4.675	Circular	1.200
2_19	Manhole	497613.178	102282.801	5.472	1.372	4.100	Circular	1.200
2_20	Manhole	497594.822	102297.314	5.597	1.808	3.789	Circular	1.200
2_23	Manhole	497578.425	102243.417	5.157	1.427	3.730	Circular	1.200
2_39	Manhole	497484.388	102315.600	3.910	1.020	2.890	Circular	1.200
2_40	Manhole	497491.417	102296.729	4.008	1.238	2.770	Circular	1.200
2_41	Manhole	497503.312	102283.641	4.168	1.573	2.595	Circular	1.200
2_42	Manhole	497521.437	102271.274	4.432	1.352	3.080	Circular	1.200

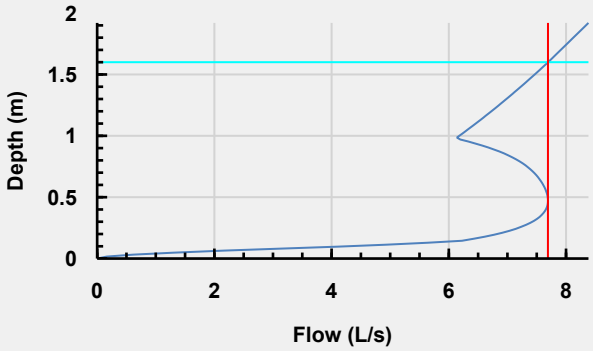
Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Junctions Storm Phase: Network 2	Company Address:		

Name	Lock
2_43 (FC)	None
2_1	Elevations
2_5	Elevations
2_8	Elevations
2_9	Elevations
2_18	Elevations
2_22	Elevations
2_24	Elevations
2_21	Elevations
2_11	Elevations
2_7	Elevations
2_2	Elevations
2_30	Elevations
2_31	Elevations
2_32	Elevations
2_28	Elevations
2_36	Elevations
2_38	Elevations
2_13	Elevations
2_15	Elevations
2_17	Elevations
2_12	Elevations
2_25	Elevations
2_26	Elevations
2_27	Elevations
2_4	Elevations
2_34	Elevations
2_(outlet)	None
2_14	None
2_16	None
2_35	None
2_37	None
2_29	None
2_33	None
2_3	None
2_6	None
2_10	None
2_19	None
2_20	None
2_23	None
2_39	None
2_40	None
2_41	None
2_42	None

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
	Outlet	2_1.009	Hydro-Brake®

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Storm Phase: Network 2	Company Address:		

Junction	Outlet Name	Outgoing Connection	Outlet Type
2_43 (FC)	Invert Elevation (m)	2.290	
	Design Depth (m)	1.600	
	Design Flow (L/s)	7.7	
	Objective	Minimize Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☑	
	Unit Reference	SHE-0120-7700-1600-7700	
			
2_1	Outlet	2_1.000	Free Discharge
2_5	Outlet	2_1.002	Free Discharge
2_8	Outlet	2_1.003	Free Discharge
2_9	Outlet	2_1.004	Free Discharge
2_18	Outlet	2_1.006	Free Discharge
2_22	Outlet	2_1.007	Free Discharge
2_24	Outlet	2_7.001	Free Discharge
2_21	Outlet	2_6.002	Free Discharge
2_11	Outlet	2_4.001	Free Discharge
2_7	Outlet	2_3.001	Free Discharge
2_2	Outlet	2_1.001	Free Discharge
2_30	Outlet	2_9.001	Free Discharge
2_31	Outlet	2_9.002	Free Discharge
2_32	Outlet	2_9.003	Free Discharge
2_28	Outlet	2_8.003	Free Discharge
2_36	Outlet	2_8.004	Free Discharge
2_38	Outlet	2_8.006	Free Discharge
2_13	Outlet	2_5.000	Free Discharge
2_15	Outlet	2_5.002	Free Discharge
2_17	Outlet	2_5.004	Free Discharge
2_12	Outlet	2_1.005	Free Discharge
2_25	Outlet	2_8.000	Free Discharge
2_26	Outlet	2_8.001	Free Discharge
2_27	Outlet	2_8.002	Free Discharge
2_4	Outlet	2_2.001	Free Discharge
2_34	Outlet	2_10.001	Free Discharge
2_14	Outlet	2_5.001	Free Discharge
2_16	Outlet	2_5.003	Free Discharge
2_35	Outlet	2_9.004	Free Discharge
2_37	Outlet	2_8.005	Free Discharge
2_29	Outlet	2_9.000	Free Discharge
2_33	Outlet	2_10.000	Free Discharge
2_3	Outlet	2_2.000	Free Discharge
2_6	Outlet	2_3.000	Free Discharge
2_10	Outlet	2_4.000	Free Discharge
2_19	Outlet	2_6.000	Free Discharge
2_20	Outlet	2_6.001	Free Discharge
2_23	Outlet	2_7.000	Free Discharge
2_39	Outlet	2_11.000	Free Discharge
2_40	Outlet	2_11.001	Free Discharge
2_41	Outlet	2_11.002	Free Discharge
2_42	Outlet	2_12.000	Free Discharge

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 2	Company Address:		



Basin_2

Type : Pond

Dimensions

Exceedance Elevation (m)	3.900
Depth (m)	1.600
Base Elevation (m)	2.300
Freeboard (mm)	300
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:x)	5.674
Total Volume (m³)	3803.736

Depth (m)	Area (m²)	Volume (m³)
0.000	2249.00	0.000
1.600	4034.00	4957.362

Outlets

Outlet

Outgoing Connection	2_1.008
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	116.731
Friction Scheme	Manning's n
n	0.025

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Connections Storm Phase: Network 2	Company Address:		

Name	From	To	Length (m)	Connection Type	Slope (1:x)	Manning's n	Colebrook-White Roughness (mm)	No. of Barrels
2_1.008	Basin_2	2_43 (FC)	20.349	Pipe	2034.868		0.6	1
2_1.000	2_1	2_2	31.628	Pipe	237.499		0.6	1
2_1.001	2_2	2_5	7.144	Pipe	51.767		0.6	1
2_1.002	2_5	2_8	15.289	Pipe	111.465		0.6	1
2_2.001	2_4	2_2	5.676	Pipe	153.404		0.6	1
2_3.001	2_7	2_5	14.399	Pipe	119.991		0.6	1
2_1.003	2_8	2_9	53.752	Pipe	164.090		0.6	1
2_4.001	2_11	2_9	13.055	Pipe	26.972		0.6	1
2_1.004	2_9	2_12	50.113	Pipe	74.685		0.6	1
2_5.004	2_17	2_12	31.898	Pipe	147.679		0.6	1
2_1.005	2_12	2_18	5.014	Pipe	66.851		0.6	2
2_6.002	2_21	2_18	13.205	Pipe	28.959		0.6	1
2_1.006	2_18	2_22	55.474	Pipe	476.735		0.6	2
2_7.001	2_24	2_22	16.258	Pipe	46.188		0.6	1
2_9.001	2_30	2_31	36.305	Pipe	189.086		0.6	1
2_9.002	2_31	2_32	44.998	Pipe	97.397		0.6	1
2_10.001	2_34	2_32	9.967	Pipe	45.303		0.6	1
2_8.000	2_25	2_26	44.024	Pipe	177.515		0.6	1
2_8.002	2_27	2_28	8.187	Pipe	199.693		0.6	1
2_8.003	2_28	2_36	20.073	Pipe	420.000		0.6	2
2_8.001	2_26	2_27	32.987	Pipe	187.427		0.6	1
2_8.006	2_38	Basin_2	39.247	Pipe	422.014		0.6	2
2_1.009	2_43 (FC)	2_(outlet)	70.969	Pipe	127.185		0.6	1
2_1.007	2_22	Basin_2	63.382	Pipe	266.310		0.6	2
2_5.000	2_13	2_14	14.392	Pipe	130.495		0.6	1
2_5.001	2_14	2_15	14.401	Pipe	181.937		0.6	1
2_5.002	2_15	2_16	14.300	Pipe	330.963		0.6	1
2_5.003	2_16	2_17	14.300	Pipe	368.630		0.6	1
2_9.003	2_32	2_35	54.710	Pipe	104.609		0.6	2
2_9.004	2_35	2_28	11.116	Pipe	65.387		0.6	2
2_8.004	2_36	2_37	23.544	Pipe	420.000		0.6	2
2_8.005	2_37	2_38	30.666	Pipe	420.000		0.6	2
2_9.000	2_29	2_30	31.626	Pipe	177.676		0.6	1
2_10.000	2_33	2_34	29.027	Pipe	136.920		0.6	1
2_2.000	2_3	2_4	22.546	Pipe	173.429		0.6	1
2_3.000	2_6	2_7	31.551	Pipe	180.289		0.6	1
2_4.000	2_10	2_11	34.451	Pipe	180.372		0.6	1
2_6.000	2_19	2_20	23.400	Pipe	99.000		0.6	1
2_6.001	2_20	2_21	14.181	Pipe	179.504		0.6	1
2_7.000	2_23	2_24	26.434	Pipe	110.141		0.6	1
2_11.000	2_39	2_40	20.137	Pipe	167.809		0.6	1
2_11.001	2_40	2_41	17.686	Pipe	176.863		0.6	1
2_12.000	2_42	2_41	21.942	Pipe	65.499		0.6	1
2_11.002	2_41	Basin_2	38.168	Pipe	263.225		0.6	1

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Connections Storm Phase: Network 2	Company Address:		

Name	Diameter / Base Width (mm)	Upstream Cover Elevation (m)	Upstream Invert Elevation (m)	Downstream Cover Elevation (m)	Downstream Invert Elevation (m)	Part Family	Lock	Flow Restriction (L/s)
2_1.008	300	3.900	2.300	3.900	2.290		Elevations	
2_1.000	300	6.247	4.661	5.851	4.528		Elevations	
2_1.001	450	5.851	4.378	5.762	4.240		Elevations	
2_1.002	450	5.762	4.240	5.622	4.103		Elevations	
2_2.001	225	5.792	4.640	5.851	4.603		Elevations	
2_3.001	225	5.979	4.585	5.762	4.465		Elevations	
2_1.003	450	5.622	4.103	6.004	3.775		Elevations	
2_4.001	225	6.180	4.484	6.004	4.000		Elevations	
2_1.004	450	6.004	3.775	5.373	3.104		Elevations	
2_5.004	450	4.937	3.320	5.373	3.104		Elevations	
2_1.005	525	5.373	3.029	5.304	2.954		Elevations	
2_6.002	225	5.494	3.710	5.304	3.254		Elevations	
2_1.006	675	5.304	2.804	4.663	2.688		Elevations	
2_7.001	225	4.854	3.490	4.663	3.138		Elevations	
2_9.001	375	5.852	4.172	5.664	3.980		Elevations	
2_9.002	375	5.664	3.980	5.093	3.518		Elevations	
2_10.001	225	5.313	3.888	5.093	3.668		Elevations	
2_8.000	225	5.069	3.440	4.630	3.192		Elevations	
2_8.002	300	4.303	2.941	4.243	2.900		Elevations	
2_8.003	525	4.243	2.675	3.989	2.627		Elevations	
2_8.001	300	4.630	3.117	4.303	2.941		None	
2_8.006	525	3.580	2.498	3.900	2.405		Elevations	
2_1.009	150	3.900	2.290	2.300	1.732		None	7.7
2_1.007	675	4.663	2.688	3.900	2.450		Elevations	
2_5.000	300	4.903	3.741	4.742	3.631		Elevations	
2_5.001	300	4.742	3.631	4.694	3.552		Elevations	
2_5.002	450	4.694	3.402	4.768	3.359		Elevations	
2_5.003	450	4.768	3.359	4.937	3.320		Elevations	
2_9.003	375	5.093	3.518	4.415	2.995		Elevations	
2_9.004	375	4.415	2.995	4.243	2.825		Elevations	
2_8.004	525	3.989	2.627	3.690	2.571		Elevations	
2_8.005	525	3.690	2.571	3.580	2.498		Elevations	
2_9.000	225	5.835	4.500	5.852	4.322		Elevations	
2_10.000	225	5.588	4.100	5.313	3.888		None	
2_2.000	225	5.699	4.770	5.792	4.640		None	
2_3.000	225	6.192	4.760	5.979	4.585		None	
2_4.000	225	6.118	4.675	6.180	4.484		None	
2_6.000	150	5.472	4.100	5.597	3.864		Elevations	
2_6.001	225	5.597	3.789	5.494	3.710		None	
2_7.000	225	5.157	3.730	4.854	3.490		Elevations	
2_11.000	225	3.910	2.890	4.008	2.770		Elevations	
2_11.001	225	4.008	2.770	4.168	2.670		Elevations	
2_12.000	150	4.432	3.080	4.168	2.745		Elevations	
2_11.002	300	4.168	2.595	3.900	2.450		Elevations	

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Connections Storm Phase: Network 2	Company Address:		

Name	Culvert Type	Culvert Entrance
2_1.008	(None)	(None)
2_1.000	(None)	(None)
2_1.001	(None)	(None)
2_1.002	(None)	(None)
2_2.001	(None)	(None)
2_3.001	(None)	(None)
2_1.003	(None)	(None)
2_4.001	(None)	(None)
2_1.004	(None)	(None)
2_5.004	(None)	(None)
2_1.005	(None)	(None)
2_6.002	(None)	(None)
2_1.006	(None)	(None)
2_7.001	(None)	(None)
2_9.001	(None)	(None)
2_9.002	(None)	(None)
2_10.001	(None)	(None)
2_8.000	(None)	(None)
2_8.002	(None)	(None)
2_8.003	(None)	(None)
2_8.001	(None)	(None)
2_8.006	(None)	(None)
2_1.009	(None)	(None)
2_1.007	(None)	(None)
2_5.000	(None)	(None)
2_5.001	(None)	(None)
2_5.002	(None)	(None)
2_5.003	(None)	(None)
2_9.003	(None)	(None)
2_9.004	(None)	(None)
2_8.004	(None)	(None)
2_8.005	(None)	(None)
2_9.000	(None)	(None)
2_10.000	(None)	(None)
2_2.000	(None)	(None)
2_3.000	(None)	(None)
2_4.000	(None)	(None)
2_6.000	(None)	(None)
2_6.001	(None)	(None)
2_7.000	(None)	(None)
2_11.000	(None)	(None)
2_11.001	(None)	(None)
2_12.000	(None)	(None)
2_11.002	(None)	(None)

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflow Summary Storm Phase: Network 2	Company Address:		

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analyzed (ha)
Basin_2	Basin_2		Time of Concentration	0.400	100	0	100	0.400
Catchment Area (72)	2_6		Time of Concentration	0.010	100	10	110	0.011
Catchment Area (73)	2_6		Time of Concentration	0.010	100	10	110	0.011
Catchment Area (74)	2_2		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (75)	2_2		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (76)	2_2		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (77)	2_2		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (78)	2_4		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (79)	2_3		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (80)	2_3		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (81)	2_29		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (82)	2_29		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (83)	2_30		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (84)	2_30		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (85)	2_31		Time of Concentration	0.009	100	10	110	0.009
Catchment Area (86)	2_31		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (87)	2_31		Time of Concentration	0.009	100	10	110	0.009
Catchment Area (88)	2_31		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (89)	2_32		Time of Concentration	0.014	100	10	110	0.015
Catchment Area (90)	2_13		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (91)	2_13		Time of Concentration	0.014	100	10	110	0.015
Catchment Area (92)	2_15		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (93)	2_16		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (94)	2_16		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (95)	2_17		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (96)	2_17		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (97)	2_17		Time of Concentration	0.014	100	10	110	0.015
Catchment Area (98)	2_21		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (99)	2_21		Time of Concentration	0.004	100	10	110	0.005
Catchment Area (100)	2_20		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (101)	2_19		Time of Concentration	0.010	100	10	110	0.011
Catchment Area (102)	2_19		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (103)	2_20		Time of Concentration	0.011	100	10	110	0.012

Catchment Area (104)	2_12		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (105)	2_12		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (106)	2_12		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (107)	2_12		Time of Concentration	0.004	100	10	110	0.005
Catchment Area (108)	2_9		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (109)	2_9		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (110)	2_9		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (111)	2_10		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (112)	2_10		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (113)	2_10		Time of Concentration	0.022	100	10	110	0.024
Catchment Area (114)	2_9		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (115)	2_9		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (116)	2_8		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (117)	2_8		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (118)	2_8		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (119)	2_8		Time of Concentration	0.006	100	10	110	0.006
Catchment Area (120)	2_8		Time of Concentration	0.004	100	10	110	0.005
Catchment Area (121)	2_5		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (122)	2_6		Time of Concentration	0.016	100	10	110	0.018
Catchment Area (123)	2_8		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (124)	2_8		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (125)	2_8		Time of Concentration	0.009	100	10	110	0.009
Catchment Area (126)	2_9		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (127)	2_9		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (128)	2_9		Time of Concentration	0.009	100	10	110	0.009
Catchment Area (129)	2_9		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (130)	2_17		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (131)	2_17		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (132)	2_17		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (133)	2_17		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (134)	2_17		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (135)	2_17		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (136)	2_16		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (137)	2_15		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (138)	2_15		Time of Concentration	0.008	100	10	110	0.009

Catchment Area (139)	2_13		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (140)	2_13		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (141)	2_13		Time of Concentration	0.004	100	10	110	0.005
Catchment Area (142)	2_13		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (143)	2_33		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (144)	2_33		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (145)	2_32		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (146)	2_32		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (147)	2_31		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (148)	2_31		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (149)	2_31		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (150)	2_25		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (151)	2_25		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (152)	2_25		Time of Concentration	0.014	100	10	110	0.015
Catchment Area (153)	2_37		Time of Concentration	0.014	100	10	110	0.016
Catchment Area (154)	2_39		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (155)	2_24		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (156)	2_24		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (163)	2_26		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (164)	2_26		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (165)	2_27		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (166)	2_27		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (167)	2_28		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (168)	2_28		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (169)	2_38		Time of Concentration	0.012	100	10	110	0.014
Catchment Area (170)	2_38		Time of Concentration	0.014	100	10	110	0.016
Catchment Area (171)	2_40		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (172)	2_41		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (173)	2_42		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (174)	2_42		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (175)	2_29		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (176)	2_33		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (177)	2_31		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (178)	2_8		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (179)	2_23		Time of Concentration	0.013	100	10	110	0.014

Catchment Area (180)	2_23		Time of Concentration	0.013	100	10	110	0.015
Catchment Area (181)	2_25		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (182)	2_25		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (183)	2_25		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (184)	2_36		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (185)	2_37		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (186)	2_24		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (187)	2_24		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (188)	2_19		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (189)	2_20		Time of Concentration	0.009	100	0	100	0.009
Catchment Area (190)	2_19		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (191)	2_19		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (192)	2_20		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (193)	2_12		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (194)	2_12		Time of Concentration	0.010	100	0	100	0.010
Catchment Area (195)	2_10		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (196)	2_10		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (197)	2_10		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (198)	2_10		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (199)	2_11		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (200)	2_8		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (201)	2_8		Time of Concentration	0.010	100	0	100	0.010
Catchment Area (202)	2_6		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (203)	2_6		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (204)	2_6		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (205)	2_7		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (206)	2_2		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (207)	2_2		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (254)	2_30		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (255)	2_30		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (256)	2_31		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (257)	2_31		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (258)	2_31		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (259)	2_31		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (260)	2_32		Time of Concentration	0.003	100	0	100	0.003

Catchment Area (261)	2_32		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (262)	2_31		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (263)	2_31		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (264)	2_29		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (265)	2_29		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (266)	2_29		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (267)	2_3		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (268)	2_4		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (269)	2_13		Time of Concentration	0.009	100	0	100	0.009
Catchment Area (270)	2_13		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (271)	2_15		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (272)	2_17		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (273)	2_17		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (274)	2_17		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (275)	2_17		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (276)	2_17		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (277)	2_17		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (278)	2_16		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (279)	2_16		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (280)	2_15		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (281)	2_13		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (282)	2_13		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (283)	2_8		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (284)	2_8		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (285)	2_9		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (286)	2_9		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (287)	2_9		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (288)	2_9		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (299)	2_27		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (300)	2_27		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (301)	2_26		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (302)	2_26		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (303)	2_38		Time of Concentration	0.011	100	0	100	0.011
Catchment Area (304)	2_38		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (305)	2_28		Time of Concentration	0.003	100	0	100	0.003

Catchment Area (306)	2_28		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (307)	2_39		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (308)	2_39		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (309)	2_40		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (310)	2_41		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (311)	2_42		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (312)	2_42		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (313)	2_3		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (314)	2_8		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (315)	2_9		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (316)	2_9		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (317)	2_23		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (318)	2_23		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (337)	2_30		Time of Concentration	0.033	100	0	100	0.033
Catchment Area (338)	2_31		Time of Concentration	0.029	100	0	100	0.029
Catchment Area (339)	2_32		Time of Concentration	0.038	100	0	100	0.038
Catchment Area (340)	2_13		Time of Concentration	0.036	100	0	100	0.036
Catchment Area (341)	2_17		Time of Concentration	0.032	100	0	100	0.032
Catchment Area (343)	2_1		Time of Concentration	0.029	100	0	100	0.029
Catchment Area (344)	2_5		Time of Concentration	0.020	100	0	100	0.020
Catchment Area (345)	2_6		Time of Concentration	0.033	100	0	100	0.033
Catchment Area (346)	2_8		Time of Concentration	0.030	100	0	100	0.030
Catchment Area (347)	2_9		Time of Concentration	0.019	100	0	100	0.019
Catchment Area (348)	2_8		Time of Concentration	0.021	100	0	100	0.021
Catchment Area (349)	2_10		Time of Concentration	0.034	100	0	100	0.034
Catchment Area (350)	2_18		Time of Concentration	0.028	100	0	100	0.028
Catchment Area (351)	2_9		Time of Concentration	0.033	100	0	100	0.033
Catchment Area (352)	2_20		Time of Concentration	0.032	100	0	100	0.032
Catchment Area (353)	2_18		Time of Concentration	0.036	100	0	100	0.036
Catchment Area (354)	2_22		Time of Concentration	0.030	100	0	100	0.030
Catchment Area (358)	2_32		Time of Concentration	0.032	100	0	100	0.032
Catchment Area (359)	2_28		Time of Concentration	0.019	100	0	100	0.019
Catchment Area (360)	2_36		Time of Concentration	0.022	100	0	100	0.022
Catchment Area (361)	2_25		Time of Concentration	0.014	100	0	100	0.014
Catchment Area (364)	2_27		Time of Concentration	0.014	100	0	100	0.014

Catchment Area (365)	2_26		Time of Concentration	0.018	100	0	100	0.018
Catchment Area (366)	2_38		Time of Concentration	0.040	100	0	100	0.040
Catchment Area (367)	2_39		Time of Concentration	0.016	100	0	100	0.016
Catchment Area (368)	2_41		Time of Concentration	0.036	100	0	100	0.036
Catchment Area (369)	2_29		Time of Concentration	0.017	100	0	100	0.017
Catchment Area (370)	2_3		Time of Concentration	0.019	100	0	100	0.019
Catchment Area (371)	2_33		Time of Concentration	0.039	100	0	100	0.039
Catchment Area (372)	2_23		Time of Concentration	0.028	100	0	100	0.028
TOTAL		**0.0**		**2.487**				**2.578**

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Outfall Details Storm Phase: Network 2	Company Address:		

Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Elevation (m)	Elevation Curve
2_(outlet)	Free Discharge			

Catchment Area (72) Type : Catchment Area

Area (ha)	0.01

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (73) Type : Catchment Area

Area (ha)	0.01

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (74) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2 - surcharged outfall	Company Address:		



Catchment Area (75)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (76)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (77)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (78) Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (79) Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (80) Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2 - surcharged outfall	Company Address:		



Catchment Area (81)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (82)

Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (83)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (84)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (85)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (86)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2 - surcharged outfall	Company Address:		



Catchment Area (87)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (88)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (89)

Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (90) Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (91) Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (92) Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
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Catchment Area (93)

Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (94)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (95)

Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (96)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (97)

Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (98)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (99) Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (100) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (101) Type : Catchment Area

Area (ha)	0.01

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (102) Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (103) Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (104) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (105)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (106)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (107)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (108) Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (109) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (110) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (111) Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (112) Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (113) Type : Catchment Area

Area (ha)	0.022

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (114) Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (115) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (116) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (117)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (118)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (119)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (120)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (121)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (122)

Type : Catchment Area

Area (ha)	0.016

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (123)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (124)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (125)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (126)

Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (127)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (128)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (129)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (130)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (131)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (132)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (133)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (134)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (135) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (136) Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (137) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (138) Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (139) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (140) Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (141)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (142)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (143)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (144) Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (145) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (146) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (147) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (148) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (149) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (150) Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (151) Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (152) Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (153)

Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (154)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (155)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (156) Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (163) Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (164) Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (165)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (166)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (167)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (168) Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (169) Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (170) Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (171)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (172)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (173)

Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (174)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (175)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (176)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (177)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (178)

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (179)

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (180) Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

Catchment Area (181) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (182) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (183)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (184)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (185)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (186) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (187) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (188) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (189)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (190)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (191)

Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (192) Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (193) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (194) Type : Catchment Area

Area (ha)	0.01

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (195)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (196)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (197)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (198) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (199) Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (200) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (201)

Type : Catchment Area

Area (ha)	0.01

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (202)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (203)

Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (204) Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (205) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (206) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (207) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (254) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (255) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (256) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (257) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (258) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (259)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (260)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (261)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (262) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (263) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (264) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (265)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (266)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (267)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (268)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (269)

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (270)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (271)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (272)

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (273)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (274) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (275) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (276) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (277)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (278)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (279)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (280)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (281)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (282)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (283)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (284)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (285)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (286)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (287)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (288)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (299) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (300) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (301) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Catchment Area (302)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (303)

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (304)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (305) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (306) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (307) Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (308) Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (309) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (310) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2 - surcharged outfall	Company Address:		

Catchment Area (311) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (312) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (313) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (314) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (315) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (316) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2 - surcharged outfall	Company Address:		



Catchment Area (317)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (318)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (337)

Type : Catchment Area

Area (ha)	0.033

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2 - surcharged outfall	Company Address:		



Catchment Area (338)

Type : Catchment Area

Area (ha)	0.029

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (339)

Type : Catchment Area

Area (ha)	0.038

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (340)

Type : Catchment Area

Area (ha)	0.036

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2 - surcharged outfall	Company Address:		



Catchment Area (341)

Type : Catchment Area

Area (ha)	0.032

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (343)

Type : Catchment Area

Area (ha)	0.029

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (344)

Type : Catchment Area

Area (ha)	0.02

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (345)

Type : Catchment Area

Area (ha)	0.033

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (346)

Type : Catchment Area

Area (ha)	0.03

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (347)

Type : Catchment Area

Area (ha)	0.019

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2 - surcharged outfall	Company Address:		



Catchment Area (348)

Type : Catchment Area

Area (ha)	0.021

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (349)

Type : Catchment Area

Area (ha)	0.034

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (350)

Type : Catchment Area

Area (ha)	0.028

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2 - surcharged outfall	Company Address:		

Catchment Area (351)

Type : Catchment Area

Area (ha)	0.033

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (352)

Type : Catchment Area

Area (ha)	0.032

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (353)

Type : Catchment Area

Area (ha)	0.036

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2 - surcharged outfall	Company Address:		



Catchment Area (354)

Type : Catchment Area

Area (ha)	0.03

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (358)

Type : Catchment Area

Area (ha)	0.032

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (359)

Type : Catchment Area

Area (ha)	0.019

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2 - surcharged outfall	Company Address:		



Catchment Area (360)

Type : Catchment Area

Area (ha)	0.022

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (361)

Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (364)

Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2 - surcharged outfall	Company Address:		



Catchment Area (365)

Type : Catchment Area

Area (ha)	0.018

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (366)

Type : Catchment Area

Area (ha)	0.04

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (367)

Type : Catchment Area

Area (ha)	0.016

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (368) Type : Catchment Area

Area (ha)	0.036

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (369) Type : Catchment Area

Area (ha)	0.017

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (370) Type : Catchment Area

Area (ha)	0.019

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Network 2 - surcharged outfall	Company Address:		

Catchment Area (371)

Type : Catchment Area

Area (ha)	0.039

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Catchment Area (372)

Type : Catchment Area

Area (ha)	0.028

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Basin_2

Type : Catchment Area

Area (ha)	0.40

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Storm Phase: Network 2 - surcharged outfall	Company Address:		

Name	Junction Type	Easting (m)	Northing (m)	Cover Elevation (m)	Depth (m)	Invert Elevation (m)	Chamber Shape	Diameter (m)
2_43 (FC)	Manhole	497455.973	102240.402	3.900	1.610	2.290	Circular	1.950
2_1	Manhole	497655.664	102448.782	6.247	1.586	4.661	Circular	1.200
2_5	Manhole	497631.658	102418.337	5.762	1.522	4.240	Circular	1.350
2_8	Manhole	497622.189	102406.333	5.622	1.519	4.103	Circular	1.350
2_9	Manhole	497597.097	102358.798	6.004	2.229	3.775	Circular	1.350
2_18	Manhole	497570.751	102310.374	5.304	2.500	2.804	Circular	2.700
2_22	Manhole	497540.837	102263.657	4.663	1.975	2.688	Circular	2.700
2_24	Manhole	497555.204	102256.047	4.854	1.364	3.490	Circular	1.200
2_21	Manhole	497582.347	102304.058	5.494	1.784	3.710	Circular	1.200
2_11	Manhole	497608.581	102352.589	6.180	1.696	4.484	Circular	1.200
2_7	Manhole	497642.968	102409.426	5.979	1.394	4.585	Circular	1.200
2_2	Manhole	497636.082	102423.946	5.851	1.473	4.378	Circular	1.200
2_30	Manhole	497554.333	102476.668	5.852	1.680	4.172	Circular	1.200
2_31	Manhole	497538.894	102443.809	5.664	1.684	3.980	Circular	1.350
2_32	Manhole	497528.690	102399.984	5.093	1.575	3.518	Circular	1.350
2_28	Manhole	497465.725	102406.129	4.243	1.568	2.675	Circular	2.400
2_36	Manhole	497460.788	102386.672	3.989	1.362	2.627	Circular	2.400
2_38	Manhole	497465.418	102333.244	3.580	1.082	2.498	Circular	2.400
2_13	Manhole	497526.661	102383.967	4.903	1.162	3.741	Circular	1.200
2_15	Manhole	497529.802	102355.643	4.694	1.292	3.402	Circular	1.200
2_17	Manhole	497547.334	102333.398	4.937	1.617	3.320	Circular	1.350
2_12	Manhole	497573.209	102314.744	5.373	2.344	3.029	Circular	2.400
2_25	Manhole	497487.715	102487.842	5.069	1.629	3.440	Circular	1.200
2_26	Manhole	497471.595	102446.876	4.630	1.513	3.117	Circular	1.200
2_27	Manhole	497467.191	102414.184	4.303	1.362	2.941	Circular	1.200
2_4	Manhole	497631.626	102427.461	5.792	1.152	4.640	Circular	1.200
2_34	Manhole	497537.720	102404.202	5.313	1.425	3.888	Circular	1.200
2_(outlet)	Manhole	497385.393	102247.820	2.300	0.568	1.732	Circular	1.200
2_14	Manhole	497526.188	102369.583	4.742	1.111	3.631	Circular	1.200
2_16	Manhole	497537.008	102343.291	4.768	1.409	3.359	Circular	1.200
2_35	Manhole	497475.275	102411.817	4.415	1.421	2.995	Circular	2.400
2_37	Manhole	497458.881	102363.205	3.690	1.119	2.571	Circular	2.400
2_29	Manhole	497583.173	102463.689	5.835	1.335	4.500	Circular	1.200
2_33	Manhole	497566.414	102399.816	5.588	1.488	4.100	Circular	1.200
2_3	Manhole	497613.925	102441.424	5.699	0.929	4.770	Circular	1.200
2_6	Manhole	497667.751	102389.899	6.192	1.432	4.760	Circular	1.200
2_10	Manhole	497638.886	102336.204	6.118	1.443	4.675	Circular	1.200
2_19	Manhole	497613.178	102282.801	5.472	1.372	4.100	Circular	1.200
2_20	Manhole	497594.822	102297.314	5.597	1.808	3.789	Circular	1.200
2_23	Manhole	497578.425	102243.417	5.157	1.427	3.730	Circular	1.200
2_39	Manhole	497484.388	102315.600	3.910	1.020	2.890	Circular	1.200
2_40	Manhole	497491.417	102296.729	4.008	1.238	2.770	Circular	1.200
2_41	Manhole	497503.312	102283.641	4.168	1.573	2.595	Circular	1.200
2_42	Manhole	497521.437	102271.274	4.432	1.352	3.080	Circular	1.200

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Storm Phase: Network 2 - surcharged outfall	Company Address:		

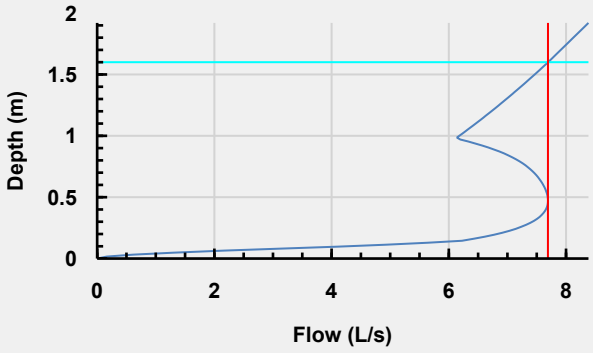
Name	Lock
2_43 (FC)	None
2_1	Elevations
2_5	Elevations
2_8	Elevations
2_9	Elevations
2_18	Elevations
2_22	Elevations
2_24	Elevations
2_21	Elevations
2_11	Elevations
2_7	Elevations
2_2	Elevations
2_30	Elevations
2_31	Elevations
2_32	Elevations
2_28	Elevations
2_36	Elevations
2_38	Elevations
2_13	Elevations
2_15	Elevations
2_17	Elevations
2_12	Elevations
2_25	Elevations
2_26	Elevations
2_27	Elevations
2_4	Elevations
2_34	Elevations
2_(outlet)	None
2_14	None
2_16	None
2_35	None
2_37	None
2_29	None
2_33	None
2_3	None
2_6	None
2_10	None
2_19	None
2_20	None
2_23	None
2_39	None
2_40	None
2_41	None
2_42	None

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
	Outlet	2_1.009	Hydro-Brake®

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Storm Phase: Network 2 - surcharged outfall	Company Address:		

Junction	Outlet Name	Outgoing Connection	Outlet Type
2_43 (FC)	Invert Elevation (m)	2.290	
	Design Depth (m)	1.600	
	Design Flow (L/s)	7.7	
	Objective	Minimize Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☑	
	Unit Reference	SHE-0120-7700-1600-7700	



2_1	Outlet	2_1.000	Free Discharge
2_5	Outlet	2_1.002	Free Discharge
2_8	Outlet	2_1.003	Free Discharge
2_9	Outlet	2_1.004	Free Discharge
2_18	Outlet	2_1.006	Free Discharge
2_22	Outlet	2_1.007	Free Discharge
2_24	Outlet	2_7.001	Free Discharge
2_21	Outlet	2_6.002	Free Discharge
2_11	Outlet	2_4.001	Free Discharge
2_7	Outlet	2_3.001	Free Discharge
2_2	Outlet	2_1.001	Free Discharge
2_30	Outlet	2_9.001	Free Discharge
2_31	Outlet	2_9.002	Free Discharge
2_32	Outlet	2_9.003	Free Discharge
2_28	Outlet	2_8.003	Free Discharge
2_36	Outlet	2_8.004	Free Discharge
2_38	Outlet	2_8.006	Free Discharge
2_13	Outlet	2_5.000	Free Discharge
2_15	Outlet	2_5.002	Free Discharge
2_17	Outlet	2_5.004	Free Discharge
2_12	Outlet	2_1.005	Free Discharge
2_25	Outlet	2_8.000	Free Discharge
2_26	Outlet	2_8.001	Free Discharge
2_27	Outlet	2_8.002	Free Discharge
2_4	Outlet	2_2.001	Free Discharge
2_34	Outlet	2_10.001	Free Discharge
2_14	Outlet	2_5.001	Free Discharge
2_16	Outlet	2_5.003	Free Discharge
2_35	Outlet	2_9.004	Free Discharge
2_37	Outlet	2_8.005	Free Discharge
2_29	Outlet	2_9.000	Free Discharge
2_33	Outlet	2_10.000	Free Discharge
2_3	Outlet	2_2.000	Free Discharge
2_6	Outlet	2_3.000	Free Discharge
2_10	Outlet	2_4.000	Free Discharge
2_19	Outlet	2_6.000	Free Discharge
2_20	Outlet	2_6.001	Free Discharge
2_23	Outlet	2_7.000	Free Discharge
2_39	Outlet	2_11.000	Free Discharge
2_40	Outlet	2_11.001	Free Discharge
2_41	Outlet	2_11.002	Free Discharge
2_42	Outlet	2_12.000	Free Discharge

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Network 2 - surcharged outfall	Company Address:		



Basin_2

Type : Pond

Dimensions

Exceedance Elevation (m)	3.900
Depth (m)	1.600
Base Elevation (m)	2.300
Freeboard (mm)	300
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:x)	5.674
Total Volume (m³)	3803.736

Depth (m)	Area (m²)	Volume (m³)
0.000	2249.00	0.000
1.600	4034.00	4957.362

Outlets

Outlet

Outgoing Connection	2_1.008
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	116.731
Friction Scheme	Manning's n
n	0.025

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Connections Storm Phase: Network 2 - surcharged outfall	Company Address:		

Name	From	To	Length (m)	Connection Type	Slope (1:x)	Manning's n	Colebrook-White Roughness (mm)	No. of Barrels
2_1.008	Basin_2	2_43 (FC)	20.349	Pipe	2034.868		0.6	1
2_1.000	2_1	2_2	31.628	Pipe	237.499		0.6	1
2_1.001	2_2	2_5	7.144	Pipe	51.767		0.6	1
2_1.002	2_5	2_8	15.289	Pipe	111.465		0.6	1
2_2.001	2_4	2_2	5.676	Pipe	153.404		0.6	1
2_3.001	2_7	2_5	14.399	Pipe	119.991		0.6	1
2_1.003	2_8	2_9	53.752	Pipe	164.090		0.6	1
2_4.001	2_11	2_9	13.055	Pipe	26.972		0.6	1
2_1.004	2_9	2_12	50.113	Pipe	74.685		0.6	1
2_5.004	2_17	2_12	31.898	Pipe	147.679		0.6	1
2_1.005	2_12	2_18	5.014	Pipe	66.851		0.6	2
2_6.002	2_21	2_18	13.205	Pipe	28.959		0.6	1
2_1.006	2_18	2_22	55.474	Pipe	476.735		0.6	2
2_7.001	2_24	2_22	16.258	Pipe	46.188		0.6	1
2_9.001	2_30	2_31	36.305	Pipe	189.086		0.6	1
2_9.002	2_31	2_32	44.998	Pipe	97.397		0.6	1
2_10.001	2_34	2_32	9.967	Pipe	45.303		0.6	1
2_8.000	2_25	2_26	44.024	Pipe	177.515		0.6	1
2_8.002	2_27	2_28	8.187	Pipe	199.693		0.6	1
2_8.003	2_28	2_36	20.073	Pipe	420.000		0.6	2
2_8.001	2_26	2_27	32.987	Pipe	187.427		0.6	1
2_8.006	2_38	Basin_2	39.247	Pipe	422.014		0.6	2
2_1.009	2_43 (FC)	2_(outlet)	70.969	Pipe	127.185		0.6	1
2_1.007	2_22	Basin_2	63.382	Pipe	266.310		0.6	2
2_5.000	2_13	2_14	14.392	Pipe	130.495		0.6	1
2_5.001	2_14	2_15	14.401	Pipe	181.937		0.6	1
2_5.002	2_15	2_16	14.300	Pipe	330.963		0.6	1
2_5.003	2_16	2_17	14.300	Pipe	368.630		0.6	1
2_9.003	2_32	2_35	54.710	Pipe	104.609		0.6	2
2_9.004	2_35	2_28	11.116	Pipe	65.387		0.6	2
2_8.004	2_36	2_37	23.544	Pipe	420.000		0.6	2
2_8.005	2_37	2_38	30.666	Pipe	420.000		0.6	2
2_9.000	2_29	2_30	31.626	Pipe	177.676		0.6	1
2_10.000	2_33	2_34	29.027	Pipe	136.920		0.6	1
2_2.000	2_3	2_4	22.546	Pipe	173.429		0.6	1
2_3.000	2_6	2_7	31.551	Pipe	180.289		0.6	1
2_4.000	2_10	2_11	34.451	Pipe	180.372		0.6	1
2_6.000	2_19	2_20	23.400	Pipe	99.000		0.6	1
2_6.001	2_20	2_21	14.181	Pipe	179.504		0.6	1
2_7.000	2_23	2_24	26.434	Pipe	110.141		0.6	1
2_11.000	2_39	2_40	20.137	Pipe	167.809		0.6	1
2_11.001	2_40	2_41	17.686	Pipe	176.863		0.6	1
2_12.000	2_42	2_41	21.942	Pipe	65.499		0.6	1
2_11.002	2_41	Basin_2	38.168	Pipe	263.225		0.6	1

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Connections Storm Phase: Network 2 - surcharged outfall	Company Address:		

Name	Diameter / Base Width (mm)	Upstream Cover Elevation (m)	Upstream Invert Elevation (m)	Downstream Cover Elevation (m)	Downstream Invert Elevation (m)	Part Family	Lock	Flow Restriction (L/s)
2_1.008	300	3.900	2.300	3.900	2.290		Elevations	
2_1.000	300	6.247	4.661	5.851	4.528		Elevations	
2_1.001	450	5.851	4.378	5.762	4.240		Elevations	
2_1.002	450	5.762	4.240	5.622	4.103		Elevations	
2_2.001	225	5.792	4.640	5.851	4.603		Elevations	
2_3.001	225	5.979	4.585	5.762	4.465		Elevations	
2_1.003	450	5.622	4.103	6.004	3.775		Elevations	
2_4.001	225	6.180	4.484	6.004	4.000		Elevations	
2_1.004	450	6.004	3.775	5.373	3.104		Elevations	
2_5.004	450	4.937	3.320	5.373	3.104		Elevations	
2_1.005	525	5.373	3.029	5.304	2.954		Elevations	
2_6.002	225	5.494	3.710	5.304	3.254		Elevations	
2_1.006	675	5.304	2.804	4.663	2.688		Elevations	
2_7.001	225	4.854	3.490	4.663	3.138		Elevations	
2_9.001	375	5.852	4.172	5.664	3.980		Elevations	
2_9.002	375	5.664	3.980	5.093	3.518		Elevations	
2_10.001	225	5.313	3.888	5.093	3.668		Elevations	
2_8.000	225	5.069	3.440	4.630	3.192		Elevations	
2_8.002	300	4.303	2.941	4.243	2.900		Elevations	
2_8.003	525	4.243	2.675	3.989	2.627		Elevations	
2_8.001	300	4.630	3.117	4.303	2.941		None	
2_8.006	525	3.580	2.498	3.900	2.405		Elevations	
2_1.009	150	3.900	2.290	2.300	1.732		None	7.7
2_1.007	675	4.663	2.688	3.900	2.450		Elevations	
2_5.000	300	4.903	3.741	4.742	3.631		Elevations	
2_5.001	300	4.742	3.631	4.694	3.552		Elevations	
2_5.002	450	4.694	3.402	4.768	3.359		Elevations	
2_5.003	450	4.768	3.359	4.937	3.320		Elevations	
2_9.003	375	5.093	3.518	4.415	2.995		Elevations	
2_9.004	375	4.415	2.995	4.243	2.825		Elevations	
2_8.004	525	3.989	2.627	3.690	2.571		Elevations	
2_8.005	525	3.690	2.571	3.580	2.498		Elevations	
2_9.000	225	5.835	4.500	5.852	4.322		Elevations	
2_10.000	225	5.588	4.100	5.313	3.888		None	
2_2.000	225	5.699	4.770	5.792	4.640		None	
2_3.000	225	6.192	4.760	5.979	4.585		None	
2_4.000	225	6.118	4.675	6.180	4.484		None	
2_6.000	150	5.472	4.100	5.597	3.864		Elevations	
2_6.001	225	5.597	3.789	5.494	3.710		None	
2_7.000	225	5.157	3.730	4.854	3.490		Elevations	
2_11.000	225	3.910	2.890	4.008	2.770		Elevations	
2_11.001	225	4.008	2.770	4.168	2.670		Elevations	
2_12.000	150	4.432	3.080	4.168	2.745		Elevations	
2_11.002	300	4.168	2.595	3.900	2.450		Elevations	

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
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	AK		
Report Details: Type: Connections Storm Phase: Network 2 - surcharged outfall	Company Address:		

Name	Culvert Type	Culvert Entrance
2_1.008	(None)	(None)
2_1.000	(None)	(None)
2_1.001	(None)	(None)
2_1.002	(None)	(None)
2_2.001	(None)	(None)
2_3.001	(None)	(None)
2_1.003	(None)	(None)
2_4.001	(None)	(None)
2_1.004	(None)	(None)
2_5.004	(None)	(None)
2_1.005	(None)	(None)
2_6.002	(None)	(None)
2_1.006	(None)	(None)
2_7.001	(None)	(None)
2_9.001	(None)	(None)
2_9.002	(None)	(None)
2_10.001	(None)	(None)
2_8.000	(None)	(None)
2_8.002	(None)	(None)
2_8.003	(None)	(None)
2_8.001	(None)	(None)
2_8.006	(None)	(None)
2_1.009	(None)	(None)
2_1.007	(None)	(None)
2_5.000	(None)	(None)
2_5.001	(None)	(None)
2_5.002	(None)	(None)
2_5.003	(None)	(None)
2_9.003	(None)	(None)
2_9.004	(None)	(None)
2_8.004	(None)	(None)
2_8.005	(None)	(None)
2_9.000	(None)	(None)
2_10.000	(None)	(None)
2_2.000	(None)	(None)
2_3.000	(None)	(None)
2_4.000	(None)	(None)
2_6.000	(None)	(None)
2_6.001	(None)	(None)
2_7.000	(None)	(None)
2_11.000	(None)	(None)
2_11.001	(None)	(None)
2_12.000	(None)	(None)
2_11.002	(None)	(None)

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Details: Type: Inflow Summary Storm Phase: Network 2 - surcharged outfall	Company Address:		

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analyzed (ha)
Basin_2	Basin_2		Time of Concentration	0.400	100	0	100	0.400
Catchment Area (72)	2_6		Time of Concentration	0.010	100	10	110	0.011
Catchment Area (73)	2_6		Time of Concentration	0.010	100	10	110	0.011
Catchment Area (74)	2_2		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (75)	2_2		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (76)	2_2		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (77)	2_2		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (78)	2_4		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (79)	2_3		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (80)	2_3		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (81)	2_29		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (82)	2_29		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (83)	2_30		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (84)	2_30		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (85)	2_31		Time of Concentration	0.009	100	10	110	0.009
Catchment Area (86)	2_31		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (87)	2_31		Time of Concentration	0.009	100	10	110	0.009
Catchment Area (88)	2_31		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (89)	2_32		Time of Concentration	0.014	100	10	110	0.015
Catchment Area (90)	2_13		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (91)	2_13		Time of Concentration	0.014	100	10	110	0.015
Catchment Area (92)	2_15		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (93)	2_16		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (94)	2_16		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (95)	2_17		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (96)	2_17		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (97)	2_17		Time of Concentration	0.014	100	10	110	0.015
Catchment Area (98)	2_21		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (99)	2_21		Time of Concentration	0.004	100	10	110	0.005
Catchment Area (100)	2_20		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (101)	2_19		Time of Concentration	0.010	100	10	110	0.011
Catchment Area (102)	2_19		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (103)	2_20		Time of Concentration	0.011	100	10	110	0.012

Catchment Area (104)	2_12		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (105)	2_12		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (106)	2_12		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (107)	2_12		Time of Concentration	0.004	100	10	110	0.005
Catchment Area (108)	2_9		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (109)	2_9		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (110)	2_9		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (111)	2_10		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (112)	2_10		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (113)	2_10		Time of Concentration	0.022	100	10	110	0.024
Catchment Area (114)	2_9		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (115)	2_9		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (116)	2_8		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (117)	2_8		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (118)	2_8		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (119)	2_8		Time of Concentration	0.006	100	10	110	0.006
Catchment Area (120)	2_8		Time of Concentration	0.004	100	10	110	0.005
Catchment Area (121)	2_5		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (122)	2_6		Time of Concentration	0.016	100	10	110	0.018
Catchment Area (123)	2_8		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (124)	2_8		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (125)	2_8		Time of Concentration	0.009	100	10	110	0.009
Catchment Area (126)	2_9		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (127)	2_9		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (128)	2_9		Time of Concentration	0.009	100	10	110	0.009
Catchment Area (129)	2_9		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (130)	2_17		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (131)	2_17		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (132)	2_17		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (133)	2_17		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (134)	2_17		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (135)	2_17		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (136)	2_16		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (137)	2_15		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (138)	2_15		Time of Concentration	0.008	100	10	110	0.009

Catchment Area (139)	2_13		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (140)	2_13		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (141)	2_13		Time of Concentration	0.004	100	10	110	0.005
Catchment Area (142)	2_13		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (143)	2_33		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (144)	2_33		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (145)	2_32		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (146)	2_32		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (147)	2_31		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (148)	2_31		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (149)	2_31		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (150)	2_25		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (151)	2_25		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (152)	2_25		Time of Concentration	0.014	100	10	110	0.015
Catchment Area (153)	2_37		Time of Concentration	0.014	100	10	110	0.016
Catchment Area (154)	2_39		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (155)	2_24		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (156)	2_24		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (163)	2_26		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (164)	2_26		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (165)	2_27		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (166)	2_27		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (167)	2_28		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (168)	2_28		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (169)	2_38		Time of Concentration	0.012	100	10	110	0.014
Catchment Area (170)	2_38		Time of Concentration	0.014	100	10	110	0.016
Catchment Area (171)	2_40		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (172)	2_41		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (173)	2_42		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (174)	2_42		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (175)	2_29		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (176)	2_33		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (177)	2_31		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (178)	2_8		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (179)	2_23		Time of Concentration	0.013	100	10	110	0.014

Catchment Area (180)	2_23		Time of Concentration	0.013	100	10	110	0.015
Catchment Area (181)	2_25		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (182)	2_25		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (183)	2_25		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (184)	2_36		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (185)	2_37		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (186)	2_24		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (187)	2_24		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (188)	2_19		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (189)	2_20		Time of Concentration	0.009	100	0	100	0.009
Catchment Area (190)	2_19		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (191)	2_19		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (192)	2_20		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (193)	2_12		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (194)	2_12		Time of Concentration	0.010	100	0	100	0.010
Catchment Area (195)	2_10		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (196)	2_10		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (197)	2_10		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (198)	2_10		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (199)	2_11		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (200)	2_8		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (201)	2_8		Time of Concentration	0.010	100	0	100	0.010
Catchment Area (202)	2_6		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (203)	2_6		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (204)	2_6		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (205)	2_7		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (206)	2_2		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (207)	2_2		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (254)	2_30		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (255)	2_30		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (256)	2_31		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (257)	2_31		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (258)	2_31		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (259)	2_31		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (260)	2_32		Time of Concentration	0.003	100	0	100	0.003

Catchment Area (261)	2_32		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (262)	2_31		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (263)	2_31		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (264)	2_29		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (265)	2_29		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (266)	2_29		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (267)	2_3		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (268)	2_4		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (269)	2_13		Time of Concentration	0.009	100	0	100	0.009
Catchment Area (270)	2_13		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (271)	2_15		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (272)	2_17		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (273)	2_17		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (274)	2_17		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (275)	2_17		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (276)	2_17		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (277)	2_17		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (278)	2_16		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (279)	2_16		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (280)	2_15		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (281)	2_13		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (282)	2_13		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (283)	2_8		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (284)	2_8		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (285)	2_9		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (286)	2_9		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (287)	2_9		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (288)	2_9		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (299)	2_27		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (300)	2_27		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (301)	2_26		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (302)	2_26		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (303)	2_38		Time of Concentration	0.011	100	0	100	0.011
Catchment Area (304)	2_38		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (305)	2_28		Time of Concentration	0.003	100	0	100	0.003

Catchment Area (306)	2_28		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (307)	2_39		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (308)	2_39		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (309)	2_40		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (310)	2_41		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (311)	2_42		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (312)	2_42		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (313)	2_3		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (314)	2_8		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (315)	2_9		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (316)	2_9		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (317)	2_23		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (318)	2_23		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (337)	2_30		Time of Concentration	0.033	100	0	100	0.033
Catchment Area (338)	2_31		Time of Concentration	0.029	100	0	100	0.029
Catchment Area (339)	2_32		Time of Concentration	0.038	100	0	100	0.038
Catchment Area (340)	2_13		Time of Concentration	0.036	100	0	100	0.036
Catchment Area (341)	2_17		Time of Concentration	0.032	100	0	100	0.032
Catchment Area (343)	2_1		Time of Concentration	0.029	100	0	100	0.029
Catchment Area (344)	2_5		Time of Concentration	0.020	100	0	100	0.020
Catchment Area (345)	2_6		Time of Concentration	0.033	100	0	100	0.033
Catchment Area (346)	2_8		Time of Concentration	0.030	100	0	100	0.030
Catchment Area (347)	2_9		Time of Concentration	0.019	100	0	100	0.019
Catchment Area (348)	2_8		Time of Concentration	0.021	100	0	100	0.021
Catchment Area (349)	2_10		Time of Concentration	0.034	100	0	100	0.034
Catchment Area (350)	2_18		Time of Concentration	0.028	100	0	100	0.028
Catchment Area (351)	2_9		Time of Concentration	0.033	100	0	100	0.033
Catchment Area (352)	2_20		Time of Concentration	0.032	100	0	100	0.032
Catchment Area (353)	2_18		Time of Concentration	0.036	100	0	100	0.036
Catchment Area (354)	2_22		Time of Concentration	0.030	100	0	100	0.030
Catchment Area (358)	2_32		Time of Concentration	0.032	100	0	100	0.032
Catchment Area (359)	2_28		Time of Concentration	0.019	100	0	100	0.019
Catchment Area (360)	2_36		Time of Concentration	0.022	100	0	100	0.022
Catchment Area (361)	2_25		Time of Concentration	0.014	100	0	100	0.014
Catchment Area (364)	2_27		Time of Concentration	0.014	100	0	100	0.014

Catchment Area (365)	2_26		Time of Concentration	0.018	100	0	100	0.018
Catchment Area (366)	2_38		Time of Concentration	0.040	100	0	100	0.040
Catchment Area (367)	2_39		Time of Concentration	0.016	100	0	100	0.016
Catchment Area (368)	2_41		Time of Concentration	0.036	100	0	100	0.036
Catchment Area (369)	2_29		Time of Concentration	0.017	100	0	100	0.017
Catchment Area (370)	2_3		Time of Concentration	0.019	100	0	100	0.019
Catchment Area (371)	2_33		Time of Concentration	0.039	100	0	100	0.039
Catchment Area (372)	2_23		Time of Concentration	0.028	100	0	100	0.028
TOTAL		**0.0**		**2.487**				**2.578**

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Outfall Details Storm Phase: Network 2 - surcharged outfall	Company Address:		

Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Elevation (m)	Elevation Curve
2_(outlet)	Fixed Surcharged Elevation	☐	2.557	
FEH 2022 : 10 years: +45 %: 15 mins: Summer			2.557	
FEH 2022 : 10 years: +45 %: 15 mins: Winter			2.557	
FEH 2022 : 30 years: +45 %: 15 mins: Summer			2.557	
FEH 2022 : 30 years: +45 %: 15 mins: Winter			2.557	
FEH 2022 : 100 years: +45 %: 15 mins: Summer			2.557	
FEH 2022 : 100 years: +45 %: 15 mins: Winter			2.557	
FEH 2022 : 10 years: +45 %: 30 mins: Summer			2.557	
FEH 2022 : 10 years: +45 %: 30 mins: Winter			2.557	
FEH 2022 : 30 years: +45 %: 30 mins: Summer			2.557	
FEH 2022 : 30 years: +45 %: 30 mins: Winter			2.557	
FEH 2022 : 100 years: +45 %: 30 mins: Summer			2.557	
FEH 2022 : 100 years: +45 %: 30 mins: Winter			2.557	
FEH 2022 : 10 years: +45 %: 60 mins: Summer			2.557	
FEH 2022 : 10 years: +45 %: 60 mins: Winter			2.557	
FEH 2022 : 30 years: +45 %: 60 mins: Summer			2.557	
FEH 2022 : 30 years: +45 %: 60 mins: Winter			2.557	
FEH 2022 : 100 years: +45 %: 60 mins: Summer			2.557	
FEH 2022 : 100 years: +45 %: 60 mins: Winter			2.557	
FEH 2022 : 10 years: +45 %: 120 mins: Summer			2.557	
FEH 2022 : 10 years: +45 %: 120 mins: Winter			2.557	
FEH 2022 : 30 years: +45 %: 120 mins: Summer			2.557	
FEH 2022 : 30 years: +45 %: 120 mins: Winter			2.557	
FEH 2022 : 100 years: +45 %: 120 mins: Summer			2.557	
FEH 2022 : 100 years: +45 %: 120 mins: Winter			2.557	
FEH 2022 : 10 years: +45 %: 240 mins: Summer			2.557	
FEH 2022 : 10 years: +45 %: 240 mins: Winter			2.557	
FEH 2022 : 30 years: +45 %: 240 mins: Summer			2.557	
FEH 2022 : 30 years: +45 %: 240 mins: Winter			2.557	
FEH 2022 : 100 years: +45 %: 240 mins: Summer			2.557	
FEH 2022 : 100 years: +45 %: 240 mins: Winter			2.557	
FEH 2022 : 10 years: +45 %: 360 mins: Summer			2.557	
FEH 2022 : 10 years: +45 %: 360 mins: Winter			2.557	

FEH 2022 : 30 years: +45 %: 360 mins: Summer			2.557	
FEH 2022 : 30 years: +45 %: 360 mins: Winter			2.557	
FEH 2022 : 100 years: +45 %: 360 mins: Summer			2.557	
FEH 2022 : 100 years: +45 %: 360 mins: Winter			2.557	
FEH 2022 : 10 years: +45 %: 480 mins: Summer			2.557	
FEH 2022 : 10 years: +45 %: 480 mins: Winter			2.557	
FEH 2022 : 30 years: +45 %: 480 mins: Summer			2.557	
FEH 2022 : 30 years: +45 %: 480 mins: Winter			2.557	
FEH 2022 : 100 years: +45 %: 480 mins: Summer			2.557	
FEH 2022 : 100 years: +45 %: 480 mins: Winter			2.557	
FEH 2022 : 10 years: +45 %: 960 mins: Summer			2.557	
FEH 2022 : 10 years: +45 %: 960 mins: Winter			2.557	
FEH 2022 : 30 years: +45 %: 960 mins: Summer			2.557	
FEH 2022 : 30 years: +45 %: 960 mins: Winter			2.557	
FEH 2022 : 100 years: +45 %: 960 mins: Summer			2.557	
FEH 2022 : 100 years: +45 %: 960 mins: Winter			2.557	
FEH 2022 : 10 years: +45 %: 1440 mins: Summer			2.557	
FEH 2022 : 10 years: +45 %: 1440 mins: Winter			2.557	
FEH 2022 : 30 years: +45 %: 1440 mins: Summer			2.557	
FEH 2022 : 30 years: +45 %: 1440 mins: Winter			2.557	
FEH 2022 : 100 years: +45 %: 1440 mins: Summer			2.557	
FEH 2022 : 100 years: +45 %: 1440 mins: Winter			2.557	
FEH 2022 : 10 years: +45 %: 2880 mins: Summer			2.557	
FEH 2022 : 10 years: +45 %: 2880 mins: Winter			2.557	
FEH 2022 : 30 years: +45 %: 2880 mins: Summer			2.557	
FEH 2022 : 30 years: +45 %: 2880 mins: Winter			2.557	
FEH 2022 : 100 years: +45 %: 2880 mins: Summer			2.557	
FEH 2022 : 100 years: +45 %: 2880 mins: Winter			2.557	

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025		
	Designed by:	Checked by:	Approved By:
	AK		
Report Title:	Company Address:		
Rainfall Analysis Criteria			

Runoff Type	Dynamic
Output Interval (mins)	1
Time Step	Reduced
Urban Creep	Use Catchment Values
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	☐

Rainfall

FEH 2022

Type: FEH

Site Location	GB 497250 101750 SU 97250 01750
Rainfall Version	2022
Summer	☑
Winter	☑

Return Period

Return Period (years)	Increase Rainfall (%)
10.0	45.000
30.0	45.000
100.0	45.000

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
240	480
360	720
480	960
960	1920
1440	2880
2880	5760

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Network 2	Company Address:		

FEH 2022: 10 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

Junction	Storm Event	Cover Elevation (m)	Invert Elevation (m)	Max. Elevation (m)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Status
2_43 (FC)	FEH 2022: 10 years: +45 %: 15 mins: Summer	3.900	2.290	2.545	0.000	6.7	Surcharged
2_1	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.247	4.661	4.757	0.000	15.0	OK
2_5	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.762	4.240	4.501	0.000	128.7	OK
2_8	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.622	4.103	4.433	0.000	197.3	OK
2_9	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.004	3.775	4.132	0.000	320.9	OK
2_18	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.304	2.804	3.235	0.000	584.3	OK
2_22	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.663	2.688	3.073	0.000	637.9	OK
2_24	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.854	3.490	3.630	0.000	46.9	OK
2_21	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.494	3.710	3.849	0.000	57.0	OK
2_11	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.180	4.484	4.610	0.000	51.4	OK
2_7	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.979	4.585	4.819	0.000	48.8	Surcharged
2_2	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.851	4.378	4.525	0.000	64.7	OK
2_30	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.852	4.172	4.364	0.000	67.9	OK
2_31	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.664	3.980	4.210	0.000	127.3	OK
2_32	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.093	3.518	3.730	0.000	221.5	OK
2_28	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.243	2.675	3.053	0.000	321.5	OK
2_36	FEH 2022: 10 years: +45 %: 15 mins: Summer	3.989	2.627	3.003	0.000	326.9	OK
2_38	FEH 2022: 10 years: +45 %: 15 mins: Summer	3.580	2.498	2.855	0.000	368.8	OK
2_13	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.903	3.741	3.937	0.000	57.9	OK
2_15	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.694	3.402	3.672	0.000	74.4	OK

2_17	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.937	3.320	3.597	0.000	162.7	OK
2_12	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.373	3.029	3.350	0.000	502.6	OK
2_25	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.069	3.440	3.603	0.000	31.9	OK
2_26	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.630	3.117	3.327	0.000	58.8	OK
2_27	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.303	2.941	3.217	0.000	81.6	OK
2_4	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.792	4.640	4.818	0.000	34.5	OK
2_34	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.313	3.888	4.015	0.000	38.9	OK
2_(outlet)	FEH 2022: 10 years: +45 %: 15 mins: Summer	2.300	1.732	1.800	0.000	6.7	OK
2_14	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.742	3.631	3.835	0.000	57.0	OK
2_16	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.768	3.359	3.646	0.000	96.6	OK
2_35	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.415	2.995	3.208	0.000	219.2	OK
2_37	FEH 2022: 10 years: +45 %: 15 mins: Summer	3.690	2.571	2.940	0.000	334.5	OK
2_29	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.835	4.500	4.681	0.000	35.5	OK
2_33	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.588	4.100	4.274	0.000	39.3	OK
2_3	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.699	4.770	4.923	0.000	28.0	OK
2_6	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.192	4.760	5.086	0.000	46.7	Surcharged
2_10	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.118	4.675	5.020	0.000	49.2	Surcharged
2_19	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.472	4.100	4.299	0.000	18.1	Surcharged
2_20	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.597	3.789	4.044	0.000	50.8	Surcharged
2_23	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.157	3.730	3.876	0.000	33.7	OK
2_39	FEH 2022: 10 years: +45 %: 15 mins: Summer	3.910	2.890	3.009	0.000	20.3	OK
2_40	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.008	2.770	2.938	0.000	28.6	OK
2_41	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.168	2.595	2.874	0.000	72.7	OK

2_42	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.432	3.080	3.188	0.000	17.6	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Network 2	Company Address:		

FEH 2022: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

Junction	Storm Event	Cover Elevation (m)	Invert Elevation (m)	Max. Elevation (m)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Status
2_43 (FC)	FEH 2022: 30 years: +45 %: 15 mins: Summer	3.900	2.290	2.610	0.000	7.2	Surcharged
2_1	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.247	4.661	4.785	0.000	19.8	OK
2_5	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.762	4.240	4.732	0.000	159.3	Surcharged
2_8	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.622	4.103	4.672	0.000	234.1	Surcharged
2_9	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.004	3.775	4.368	0.000	381.9	Surcharged
2_18	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.304	2.804	3.303	0.000	716.8	OK
2_22	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.663	2.688	3.132	0.000	793.0	OK
2_24	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.854	3.490	3.660	0.000	60.5	OK
2_21	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.494	3.710	3.878	0.000	73.4	OK
2_11	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.180	4.484	4.637	0.000	67.1	OK
2_7	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.979	4.585	4.962	0.000	62.2	Surcharged
2_2	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.851	4.378	4.742	0.000	81.7	OK
2_30	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.852	4.172	4.400	0.000	87.0	OK
2_31	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.664	3.980	4.257	0.000	163.3	OK
2_32	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.093	3.518	3.771	0.000	284.4	OK
2_28	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.243	2.675	3.144	0.000	409.0	OK
2_36	FEH 2022: 30 years: +45 %: 15 mins: Summer	3.989	2.627	3.088	0.000	416.7	OK
2_38	FEH 2022: 30 years: +45 %: 15 mins: Summer	3.580	2.498	2.921	0.000	472.4	OK
2_13	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.903	3.741	3.984	0.000	74.9	OK
2_15	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.694	3.402	3.734	0.000	96.2	OK

2_17	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.937	3.320	3.654	0.000	208.9	OK
2_12	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.373	3.029	3.414	0.000	615.1	OK
2_25	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.069	3.440	3.757	0.000	40.5	Surcharged
2_26	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.630	3.117	3.476	0.000	75.0	Surcharged
2_27	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.303	2.941	3.305	0.000	104.0	Surcharged
2_4	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.792	4.640	4.864	0.000	44.4	OK
2_34	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.313	3.888	4.039	0.000	50.2	OK
2_(outlet)	FEH 2022: 30 years: +45 %: 15 mins: Summer	2.300	1.732	1.803	0.000	7.2	OK
2_14	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.742	3.631	3.879	0.000	73.8	OK
2_16	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.768	3.359	3.707	0.000	124.8	OK
2_35	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.415	2.995	3.264	0.000	280.9	OK
2_37	FEH 2022: 30 years: +45 %: 15 mins: Summer	3.690	2.571	3.017	0.000	427.5	OK
2_29	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.835	4.500	4.793	0.000	45.4	Surcharged
2_33	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.588	4.100	4.362	0.000	50.1	Surcharged
2_3	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.699	4.770	4.977	0.000	35.7	OK
2_6	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.192	4.760	5.411	0.000	59.9	Surcharged
2_10	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.118	4.675	5.302	0.000	64.4	Surcharged
2_19	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.472	4.100	4.633	0.000	23.3	Surcharged
2_20	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.597	3.789	4.208	0.000	65.5	Surcharged
2_23	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.157	3.730	3.909	0.000	43.5	OK
2_39	FEH 2022: 30 years: +45 %: 15 mins: Summer	3.910	2.890	3.159	0.000	24.6	Surcharged
2_40	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.008	2.770	3.105	0.000	35.2	Surcharged
2_41	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.168	2.595	3.005	0.000	90.5	Surcharged

2_42	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.432	3.080	3.349	0.000	21.2	Surcharged

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Network 2	Company Address:		

FEH 2022: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

Junction	Storm Event	Cover Elevation (m)	Invert Elevation (m)	Max. Elevation (m)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Status
2_43 (FC)	FEH 2022: 100 years: +45 %: 15 mins: Summer	3.900	2.290	2.680	0.000	7.5	Surcharged
2_1	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.247	4.661	5.411	0.000	25.4	Surcharged
2_5	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.762	4.240	5.346	0.000	197.7	Surcharged
2_8	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.622	4.103	5.267	0.000	287.2	Surcharged
2_9	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.004	3.775	4.792	0.000	468.7	Surcharged
2_18	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.304	2.804	3.391	0.000	876.6	OK
2_22	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.663	2.688	3.204	0.000	971.7	OK
2_24	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.854	3.490	3.737	0.000	74.6	Surcharged
2_21	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.494	3.710	3.958	0.000	90.7	Surcharged
2_11	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.180	4.484	5.163	0.000	77.9	Surcharged
2_7	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.979	4.585	5.670	0.000	70.9	Surcharged
2_2	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.851	4.378	5.363	0.000	102.0	Surcharged
2_30	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.852	4.172	4.461	0.000	109.2	OK
2_31	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.664	3.980	4.363	0.000	199.6	Surcharged
2_32	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.093	3.518	3.819	0.000	353.4	OK
2_28	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.243	2.675	3.304	0.000	491.0	Surcharged
2_36	FEH 2022: 100 years: +45 %: 15 mins: Summer	3.989	2.627	3.225	0.000	508.6	Surcharged
2_38	FEH 2022: 100 years: +45 %: 15 mins: Summer	3.580	2.498	3.000	0.000	581.8	OK
2_13	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.903	3.741	4.109	0.000	93.1	Surcharged
2_15	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.694	3.402	3.844	0.000	117.3	OK

2_17	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.937	3.320	3.759	0.000	255.0	OK
2_12	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.373	3.029	3.512	0.000	750.7	OK
2_25	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.069	3.440	4.156	0.000	50.5	Surcharged
2_26	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.630	3.117	3.722	0.000	93.0	Surcharged
2_27	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.303	2.941	3.460	0.000	129.6	Surcharged
2_4	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.792	4.640	5.453	0.000	51.5	Surcharged
2_34	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.313	3.888	4.070	0.000	62.9	OK
2_(outlet)	FEH 2022: 100 years: +45 %: 15 mins: Summer	2.300	1.732	1.804	0.000	7.5	OK
2_14	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.742	3.631	3.981	0.000	91.4	Surcharged
2_16	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.768	3.359	3.812	0.000	151.5	Surcharged
2_35	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.415	2.995	3.435	0.000	337.3	Surcharged
2_37	FEH 2022: 100 years: +45 %: 15 mins: Summer	3.690	2.571	3.129	0.000	522.6	Surcharged
2_29	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.835	4.500	4.963	0.000	57.7	Surcharged
2_33	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.588	4.100	4.577	0.000	63.1	Surcharged
2_3	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.699	4.770	5.597	0.000	40.3	Flood Risk
2_6	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.192	4.760	6.192	0.123	69.0	Flood Risk
2_10	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.118	4.675	5.932	0.000	76.1	Flood Risk
2_19	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.472	4.100	5.006	0.000	28.6	Surcharged
2_20	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.597	3.789	4.396	0.000	81.1	Surcharged
2_23	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.157	3.730	4.039	0.000	53.7	Surcharged
2_39	FEH 2022: 100 years: +45 %: 15 mins: Summer	3.910	2.890	3.447	0.000	31.5	Surcharged
2_40	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.008	2.770	3.359	0.000	45.5	Surcharged
2_41	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.168	2.595	3.194	0.000	115.9	Surcharged

2_42	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.432	3.080	3.716	0.000	26.7	Surcharged

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Network 2	Company Address:		

FEH 2022: 10 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Elevation (m)	Max. DS Elevation (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Basin_2	FEH 2022: 10 years: +45 %: 1440 mins: Winter	2.929	2.929	0.629	0.629	60.7	1612.127	0.000	7.7	1116.079	57.617	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Network 2	Company Address:		

FEH 2022: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Elevation (m)	Max. DS Elevation (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Basin_2	FEH 2022: 30 years: +45 %: 1440 mins: Winter	3.076	3.076	0.776	0.776	73.6	2046.941	0.000	7.8	1125.417	46.186	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Network 2	Company Address:		

FEH 2022: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Elevation (m)	Max. DS Elevation (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Basin_2	FEH 2022: 100 years: +45 %: 1440 mins: Summer	3.267	3.267	0.967	0.967	139.0	2649.751	0.000	7.8	1077.592	30.338	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Network 2	Company Address:		

FEH 2022: 10 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Velocity

Connection	Storm Event	From	To	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
2_1.008	FEH 2022: 10 years: +45 %: 15 mins: Summer	Basin_2	2_43 (FC)	0.250	7.923	0.8	0.6	14.4	OK
2_1.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_1	2_2	0.094	6.659	0.8	0.21	15.0	OK
2_1.001	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_2	2_5	0.204	28.748	0.9	0.14	64.7	OK
2_1.002	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_5	2_8	0.295	57.156	1.2	0.42	128.7	OK
2_2.001	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_4	2_2	0.166	15.298	1.1	0.82	34.5	OK
2_3.001	FEH 2022: 10 years: +45 %: 15 mins: Winter	2_7	2_5	0.189	21.791	1.3	0.96	45.5	OK
2_1.003	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_8	2_9	0.344	87.806	1.5	0.78	197.3	OK
2_4.001	FEH 2022: 10 years: +45 %: 30 mins: Summer	2_11	2_9	0.114	30.155	2.3	0.47	47.1	OK
2_1.004	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_9	2_12	0.339	144.040	2.5	0.86	320.9	OK
2_5.004	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_17	2_12	0.265	71.969	1.7	0.61	162.7	OK
2_1.005	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_12	2_18	0.301	224.715	2.1	0.42	502.6	OK
2_6.002	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_21	2_18	0.131	25.486	2.4	0.59	57.0	OK
2_1.006	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_18	2_22	0.406	265.040	1.3	0.68	584.3	OK
2_7.001	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_24	2_22	0.133	20.688	1.9	0.61	46.9	OK
2_9.001	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_30	2_31	0.211	30.149	1.1	0.47	67.9	OK
2_9.002	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_31	2_32	0.221	56.365	1.9	0.63	127.3	OK
2_10.001	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_34	2_32	0.120	17.192	1.8	0.5	38.9	OK
2_8.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_25	2_26	0.156	14.174	1.1	0.82	31.9	OK
2_8.002	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_27	2_28	0.249	36.398	1.3	1.04	81.6	OK
2_8.003	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_28	2_36	0.377	144.640	1.0	0.68	321.5	OK
2_8.001	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_26	2_27	0.243	26.228	1.0	0.73	58.8	OK
2_8.006	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_38	Basin_2	0.323	172.125	1.3	0.79	368.8	OK
2_1.009	FEH 2022: 10 years: +45 %: 360 mins: Winter	2_43 (FC)	2_ (outlet)	0.074	271.796	0.9	0.49	7.7	Surcharged
2_1.007	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_22	Basin_2	0.370	290.283	1.6	0.56	637.9	OK
2_5.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_13	2_14	0.200	25.261	1.2	0.6	57.9	OK
2_5.001	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_14	2_15	0.193	25.241	1.2	0.69	57.0	OK
2_5.002	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_15	2_16	0.279	32.997	0.7	0.42	74.4	OK
2_5.003	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_16	2_17	0.282	42.722	0.9	0.58	96.6	OK
2_9.003	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_32	2_35	0.213	97.535	1.7	0.57	221.5	OK
2_9.004	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_35	2_28	0.220	97.187	1.8	0.44	219.2	OK
2_8.004	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_36	2_37	0.373	150.914	1.0	0.69	326.9	OK
2_8.005	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_37	2_38	0.363	154.999	1.1	0.71	334.5	OK
2_9.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_29	2_30	0.169	15.742	1.1	0.91	35.5	OK
2_10.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_33	2_34	0.151	17.209	1.4	0.89	39.3	OK
2_2.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_3	2_4	0.165	12.283	0.9	0.71	28.0	OK
2_3.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_6	2_7	0.225	20.688	1.2	1.21	46.7	Surcharged
2_4.000	FEH 2022: 10 years: +45 %: 30 mins: Summer	2_10	2_11	0.190	28.954	1.4	1.18	45.5	Surcharged
2_6.000	FEH 2022: 10 years: +45 %: 30 mins: Summer	2_19	2_20	0.131	10.612	1.1	0.94	16.8	OK
2_6.001	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_20	2_21	0.197	22.782	1.5	1.31	50.8	Surcharged
2_7.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_23	2_24	0.143	14.730	1.3	0.68	33.7	OK
2_11.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_39	2_40	0.142	8.860	0.8	0.51	20.3	OK
2_11.001	FEH 2022: 10 years: +45 %: 30 mins: Winter	2_40	2_41	0.134	16.769	0.9	0.55	21.5	OK
2_12.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_42	2_41	0.116	7.636	1.3	0.8	17.6	OK
2_11.002	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_41	Basin_2	0.245	32.455	1.2	1.07	72.7	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Network 2	Company Address:		

FEH 2022: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Velocity

Connection	Storm Event	From	To	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
2_1.008	FEH 2022: 30 years: +45 %: 15 mins: Winter	Basin_2	2_43 (FC)	0.300	9.070	0.7	0.91	21.9	Surcharged
2_1.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_1	2_2	0.169	8.515	0.8	0.28	19.8	OK
2_1.001	FEH 2022: 30 years: +45 %: 15 mins: Winter	2_2	2_5	0.269	37.179	0.9	0.17	77.7	OK
2_1.002	FEH 2022: 30 years: +45 %: 30 mins: Winter	2_5	2_8	0.287	97.934	1.2	0.41	124.0	OK
2_2.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_4	2_2	0.200	19.780	1.2	1.06	44.4	OK
2_3.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_7	2_5	0.225	28.167	1.6	1.31	62.2	Surcharged
2_1.003	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_8	2_9	0.450	113.587	1.5	0.93	234.1	Surcharged
2_4.001	FEH 2022: 30 years: +45 %: 30 mins: Winter	2_11	2_9	0.122	39.431	2.3	0.5	50.3	OK
2_1.004	FEH 2022: 30 years: +45 %: 15 mins: Winter	2_9	2_12	0.424	186.360	2.6	0.99	369.2	Surcharged
2_5.004	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_17	2_12	0.322	91.993	1.7	0.79	208.9	OK
2_1.005	FEH 2022: 30 years: +45 %: 15 mins: Winter	2_12	2_18	0.350	290.261	2.1	0.49	587.0	OK
2_6.002	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_21	2_18	0.157	33.015	2.5	0.76	73.4	OK
2_1.006	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_18	2_22	0.471	342.131	1.4	0.84	716.8	OK
2_7.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_24	2_22	0.160	26.753	2.0	0.79	60.5	OK
2_9.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_30	2_31	0.252	38.986	1.1	0.6	87.0	OK
2_9.002	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_31	2_32	0.265	72.880	2.0	0.81	163.3	OK
2_10.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_34	2_32	0.141	22.231	1.9	0.65	50.2	OK
2_8.000	FEH 2022: 30 years: +45 %: 30 mins: Summer	2_25	2_26	0.198	24.148	1.1	0.99	38.4	OK
2_8.002	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_27	2_28	0.300	47.058	1.5	1.33	104.0	Surcharged
2_8.003	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_28	2_36	0.465	187.215	1.0	0.87	409.0	OK
2_8.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_26	2_27	0.300	33.937	1.1	0.93	75.0	Surcharged
2_8.006	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_38	Basin_2	0.375	220.108	1.4	1.01	472.4	OK
2_1.009	FEH 2022: 30 years: +45 %: 960 mins: Summer	2_43 (FC)	2_ (outlet)	0.074	737.355	0.9	0.49	7.7	Surcharged
2_1.007	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_22	Basin_2	0.421	373.695	1.7	0.69	793.0	OK
2_5.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_13	2_14	0.245	32.668	1.2	0.77	74.9	OK
2_5.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_14	2_15	0.230	32.648	1.3	0.9	73.8	OK
2_5.002	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_15	2_16	0.340	42.677	0.8	0.54	96.2	OK
2_5.003	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_16	2_17	0.341	55.255	1.0	0.75	124.8	OK
2_9.003	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_32	2_35	0.261	126.108	1.8	0.73	284.4	OK
2_9.004	FEH 2022: 30 years: +45 %: 30 mins: Winter	2_35	2_28	0.219	166.886	1.8	0.43	211.3	OK
2_8.004	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_36	2_37	0.454	195.378	1.1	0.89	416.7	OK
2_8.005	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_37	2_38	0.434	200.437	1.1	0.91	427.5	OK
2_9.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_29	2_30	0.225	20.361	1.1	1.17	45.4	Surcharged
2_10.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_33	2_34	0.206	22.246	1.4	1.13	50.1	Surcharged
2_2.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_3	2_4	0.216	15.874	0.9	0.91	35.7	OK
2_3.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_6	2_7	0.225	26.721	1.5	1.55	59.9	Surcharged
2_4.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_10	2_11	0.225	28.621	1.6	1.67	64.4	Surcharged
2_6.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_19	2_20	0.150	10.583	1.3	1.3	23.3	Surcharged
2_6.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_20	2_21	0.225	29.510	1.6	1.69	65.5	Surcharged
2_7.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_23	2_24	0.175	19.044	1.3	0.88	43.5	OK
2_11.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_39	2_40	0.225	11.461	0.8	0.61	24.6	Surcharged
2_11.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_40	2_41	0.225	16.529	0.9	0.9	35.2	Surcharged
2_12.000	FEH 2022: 30 years: +45 %: 30 mins: Summer	2_42	2_41	0.150	13.099	1.3	0.94	20.6	OK

2_11.002	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_41	Basin_2	0.300	41.811	1.3	1.33	90.5	Surcharged

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Network 2	Company Address:		

FEH 2022: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Velocity

Connection	Storm Event	From	To	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
2_1.008	FEH 2022: 100 years: +45 %: 15 mins: Summer	Basin_2	2_43 (FC)	0.300	9.899	0.8	1.05	25.1	Surcharged
2_1.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_1	2_2	0.300	10.912	0.9	0.35	25.4	Surcharged
2_1.001	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_2	2_5	0.450	46.519	1.0	0.23	102.0	Surcharged
2_1.002	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_5	2_8	0.450	92.500	1.2	0.65	197.7	Surcharged
2_2.001	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_4	2_2	0.225	24.728	1.3	1.23	51.5	Surcharged
2_3.001	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_7	2_5	0.225	35.217	1.8	1.5	70.9	Surcharged
2_1.003	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_8	2_9	0.450	142.072	1.8	1.14	287.2	Surcharged
2_4.001	FEH 2022: 100 years: +45 %: 15 mins: Winter	2_11	2_9	0.225	37.140	2.4	0.72	72.5	Surcharged
2_1.004	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_9	2_12	0.450	233.040	2.9	1.25	468.7	Surcharged
2_5.004	FEH 2022: 100 years: +45 %: 30 mins: Summer	2_17	2_12	0.384	154.690	1.8	0.91	240.8	OK
2_1.005	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_12	2_18	0.459	363.090	2.1	0.63	750.7	OK
2_6.002	FEH 2022: 100 years: +45 %: 30 mins: Summer	2_21	2_18	0.180	55.234	2.5	0.88	85.3	OK
2_1.006	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_18	2_22	0.552	428.175	1.4	1.03	876.6	OK
2_7.001	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_24	2_22	0.213	33.446	2.0	0.97	74.6	Surcharged
2_9.001	FEH 2022: 100 years: +45 %: 15 mins: Winter	2_30	2_31	0.292	48.750	1.1	0.7	102.2	OK
2_9.002	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_31	2_32	0.340	91.120	2.0	0.98	199.6	Surcharged
2_10.001	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_34	2_32	0.167	27.798	2.0	0.81	62.9	OK
2_8.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_25	2_26	0.225	22.554	1.3	1.3	50.5	Surcharged
2_8.002	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_27	2_28	0.300	58.785	1.8	1.65	129.6	Surcharged
2_8.003	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_28	2_36	0.525	234.141	1.1	1.04	491.0	Surcharged
2_8.001	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_26	2_27	0.300	42.381	1.3	1.15	93.0	Surcharged
2_8.006	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_38	Basin_2	0.434	270.798	1.5	1.24	581.8	OK
2_1.009	FEH 2022: 100 years: +45 %: 120 mins: Summer	2_43 (FC)	2_ (outlet)	0.074	88.351	0.9	0.49	7.7	Surcharged
2_1.007	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_22	Basin_2	0.479	466.676	1.8	0.85	971.7	OK
2_5.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_13	2_14	0.300	40.818	1.3	0.96	93.1	Surcharged
2_5.001	FEH 2022: 100 years: +45 %: 15 mins: Winter	2_14	2_15	0.267	40.772	1.3	1.04	85.7	OK
2_5.002	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_15	2_16	0.448	53.293	0.8	0.66	117.3	OK
2_5.003	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_16	2_17	0.446	69.024	1.0	0.9	151.5	Surcharged
2_9.003	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_32	2_35	0.364	157.346	1.8	0.9	353.4	OK
2_9.004	FEH 2022: 100 years: +45 %: 30 mins: Winter	2_35	2_28	0.284	211.003	1.8	0.54	266.6	OK
2_8.004	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_36	2_37	0.525	243.894	1.2	1.08	508.6	Surcharged
2_8.005	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_37	2_38	0.525	248.730	1.2	1.11	522.6	Surcharged
2_9.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_29	2_30	0.225	25.457	1.5	1.48	57.7	Surcharged
2_10.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_33	2_34	0.225	27.805	1.6	1.42	63.1	Surcharged
2_2.000	FEH 2022: 100 years: +45 %: 30 mins: Summer	2_3	2_4	0.225	26.562	1.0	1.03	40.5	Flood Risk

2_3.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_6	2_7	0.225	33.415	1.7	1.79	69.0	Flood Risk
2_4.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_10	2_11	0.225	35.706	1.9	1.97	76.1	Flood Risk
2_6.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_19	2_20	0.150	13.207	1.6	1.6	28.6	Surcharged
2_6.001	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_20	2_21	0.225	36.871	2.0	2.1	81.1	Surcharged
2_7.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_23	2_24	0.225	23.799	1.4	1.09	53.7	Surcharged
2_11.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_39	2_40	0.225	14.331	0.8	0.79	31.5	Surcharged
2_11.001	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_40	2_41	0.225	20.694	1.1	1.17	45.5	Surcharged
2_12.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_42	2_41	0.150	12.313	1.5	1.22	26.7	Surcharged
2_11.002	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_41	Basin_2	0.300	51.680	1.6	1.7	115.9	Surcharged

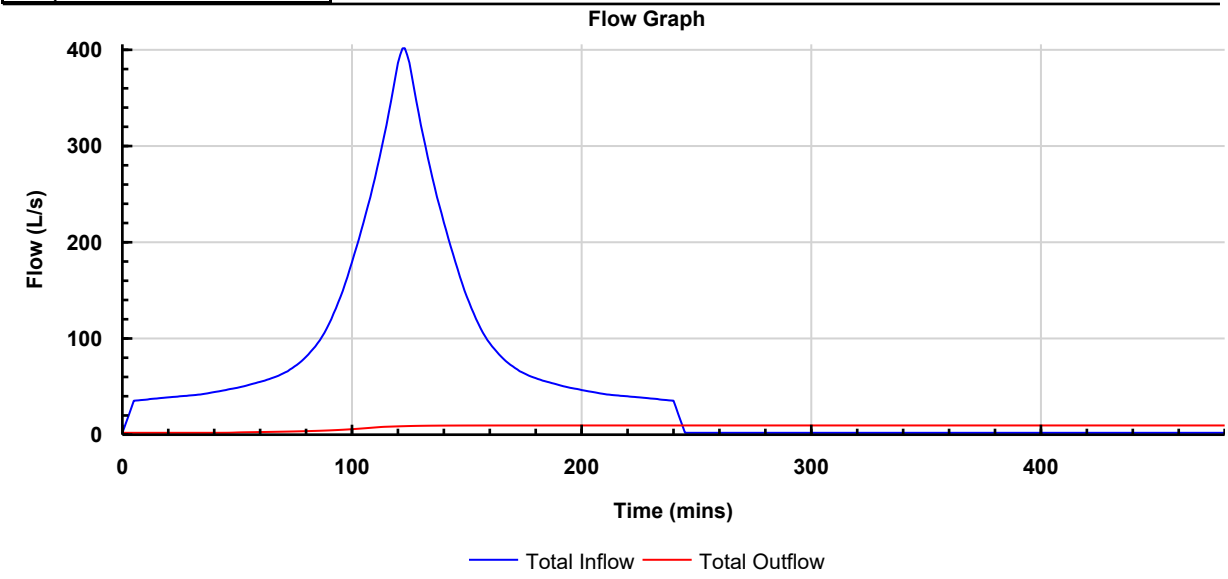
Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Phase Management Storm Phase: Network 2	Company Address:		

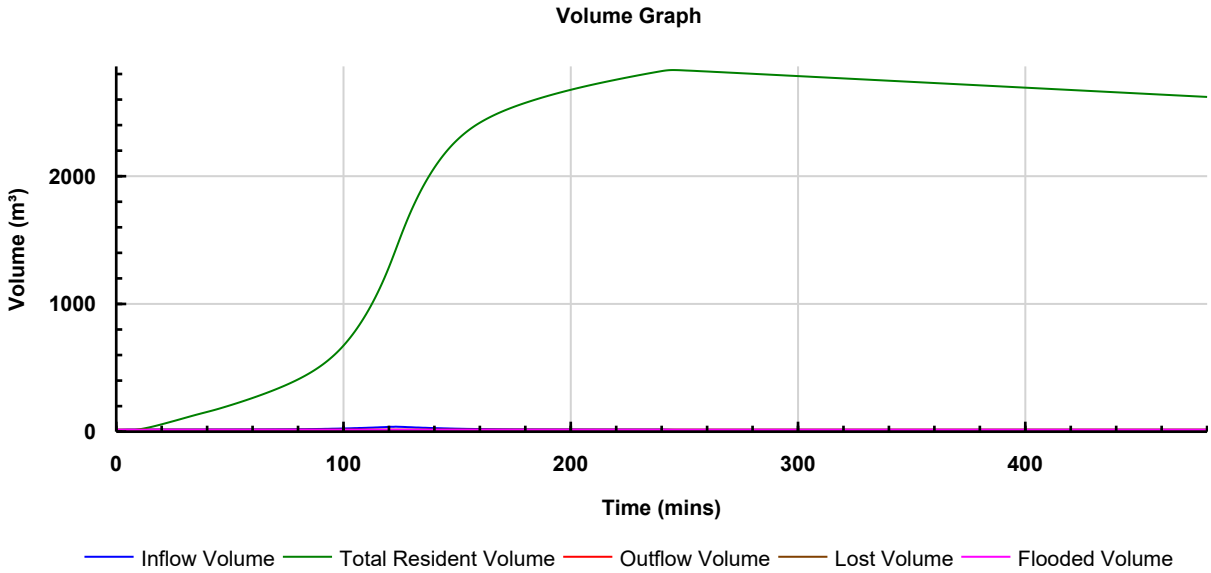
Network 2
FEH 2022: 10 years: Increase Rainfall (%): +45: 240 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
2 (outlet)			7.7	177.024
TOTAL	401.7	1491.317	7.7	177.024

Graphs





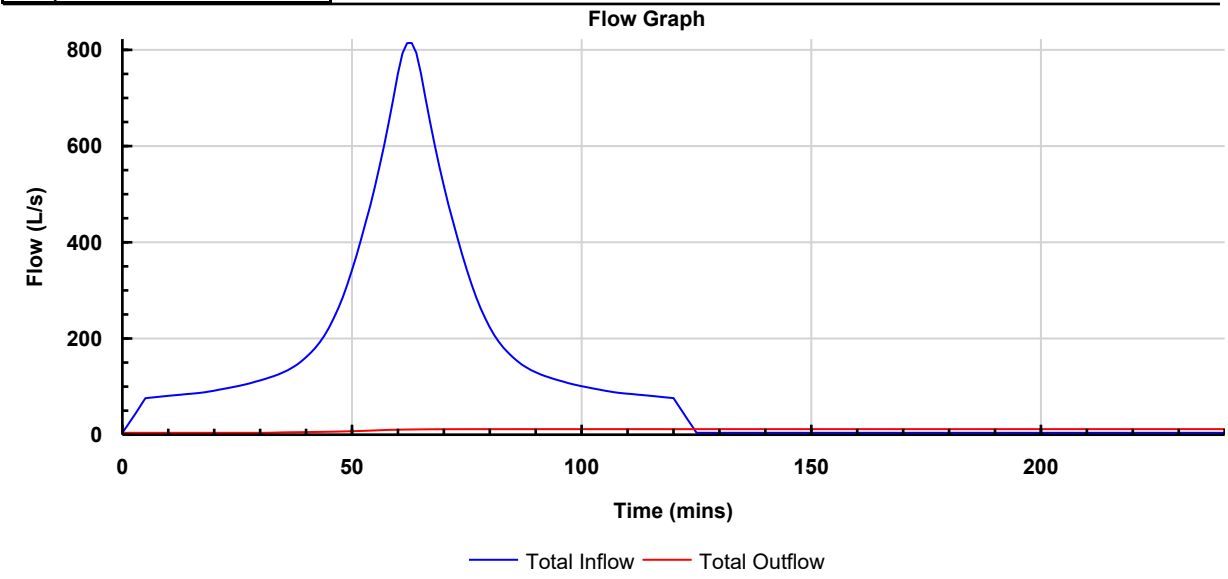
Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Phase Management Storm Phase: Network 2	Company Address:		

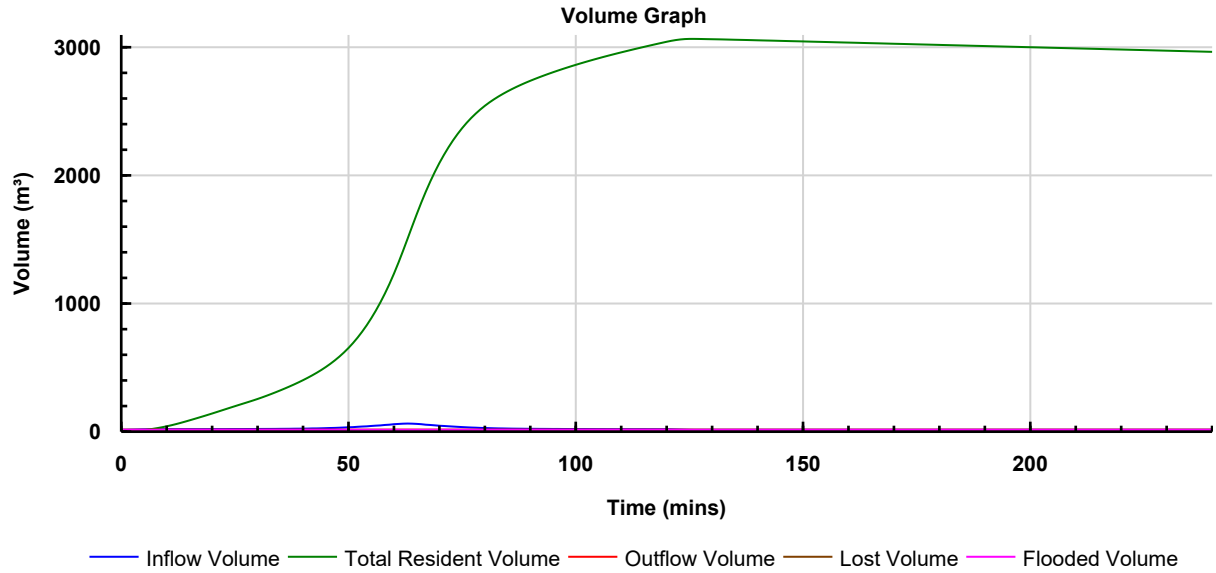
Network 2
FEH 2022: 30 years: Increase Rainfall (%): +45: 120 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
2 (outlet)			7.7	87.464
TOTAL	814.4	1581.693	7.7	87.464

Graphs





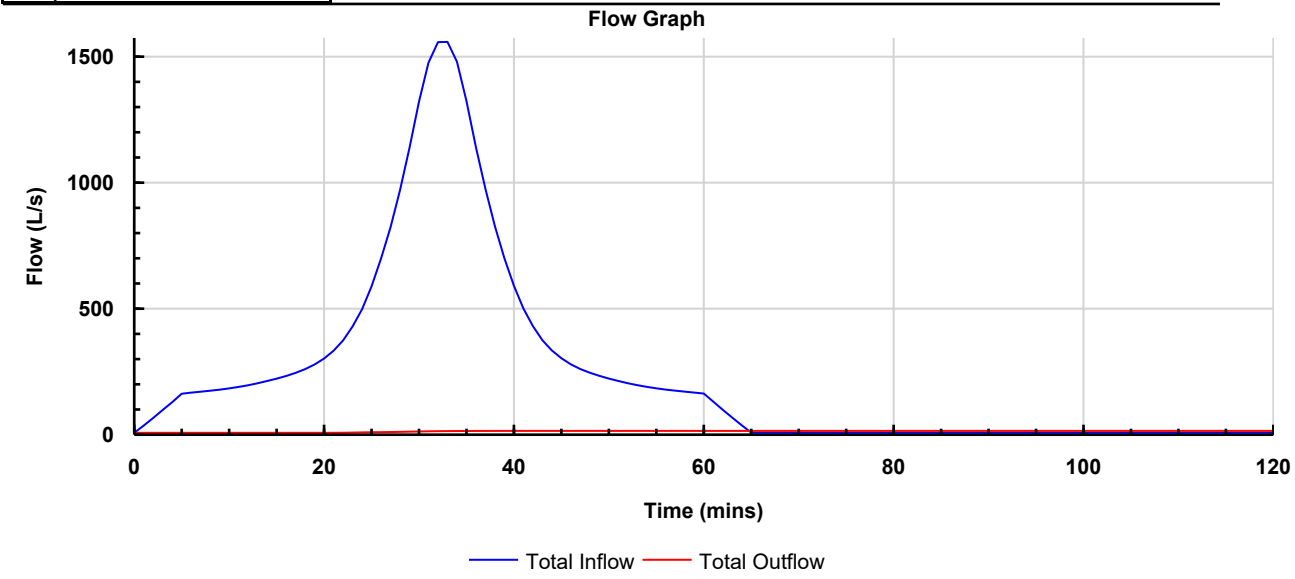
Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Phase Management Storm Phase: Network 2	Company Address:		

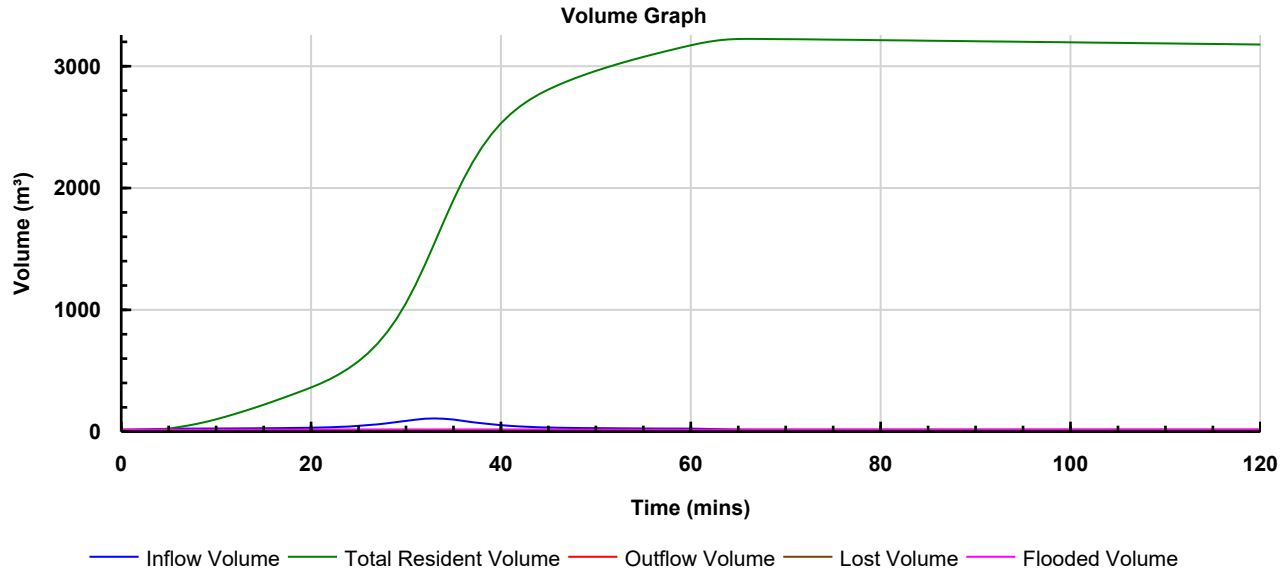
Network 2
FEH 2022: 100 years: Increase Rainfall (%): +45: 60 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
2 (outlet)			7.7	42.346
TOTAL	1558.5	1651.955	7.7	42.346

Graphs





Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Network 2 - surcharged outfall	Company Address:		

FEH 2022: 10 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

Junction	Storm Event	Cover Elevation (m)	Invert Elevation (m)	Max. Elevation (m)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Status
2_43 (FC)	FEH 2022: 10 years: +45 %: 15 mins: Summer	3.900	2.290	2.548	0.000	0.0	Surcharged
2_1	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.247	4.661	4.757	0.000	15.0	OK
2_5	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.762	4.240	4.501	0.000	128.7	OK
2_8	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.622	4.103	4.433	0.000	197.3	OK
2_9	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.004	3.775	4.132	0.000	320.9	OK
2_18	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.304	2.804	3.235	0.000	584.3	OK
2_22	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.663	2.688	3.073	0.000	637.9	OK
2_24	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.854	3.490	3.630	0.000	46.9	OK
2_21	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.494	3.710	3.849	0.000	57.0	OK
2_11	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.180	4.484	4.610	0.000	51.4	OK
2_7	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.979	4.585	4.819	0.000	48.8	Surcharged
2_2	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.851	4.378	4.525	0.000	64.7	OK
2_30	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.852	4.172	4.364	0.000	67.9	OK
2_31	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.664	3.980	4.210	0.000	127.3	OK
2_32	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.093	3.518	3.730	0.000	221.5	OK
2_28	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.243	2.675	3.053	0.000	321.5	OK
2_36	FEH 2022: 10 years: +45 %: 15 mins: Summer	3.989	2.627	3.003	0.000	326.9	OK
2_38	FEH 2022: 10 years: +45 %: 15 mins: Summer	3.580	2.498	2.855	0.000	368.8	OK
2_13	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.903	3.741	3.937	0.000	57.9	OK
2_15	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.694	3.402	3.672	0.000	74.4	OK

2_17	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.937	3.320	3.597	0.000	162.7	OK
2_12	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.373	3.029	3.350	0.000	502.6	OK
2_25	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.069	3.440	3.603	0.000	31.9	OK
2_26	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.630	3.117	3.327	0.000	58.8	OK
2_27	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.303	2.941	3.217	0.000	81.6	OK
2_4	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.792	4.640	4.818	0.000	34.5	OK
2_34	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.313	3.888	4.015	0.000	38.9	OK
2_(outlet)	FEH 2022: 10 years: +45 %: 15 mins: Summer	2.300	1.732	2.557	0.000	7.9	Flood
2_14	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.742	3.631	3.835	0.000	57.0	OK
2_16	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.768	3.359	3.646	0.000	96.6	OK
2_35	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.415	2.995	3.208	0.000	219.2	OK
2_37	FEH 2022: 10 years: +45 %: 15 mins: Summer	3.690	2.571	2.940	0.000	334.5	OK
2_29	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.835	4.500	4.681	0.000	35.5	OK
2_33	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.588	4.100	4.274	0.000	39.3	OK
2_3	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.699	4.770	4.923	0.000	28.0	OK
2_6	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.192	4.760	5.086	0.000	46.7	Surcharged
2_10	FEH 2022: 10 years: +45 %: 15 mins: Summer	6.118	4.675	5.020	0.000	49.2	Surcharged
2_19	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.472	4.100	4.299	0.000	18.1	Surcharged
2_20	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.597	3.789	4.044	0.000	50.8	Surcharged
2_23	FEH 2022: 10 years: +45 %: 15 mins: Summer	5.157	3.730	3.876	0.000	33.7	OK
2_39	FEH 2022: 10 years: +45 %: 15 mins: Summer	3.910	2.890	3.009	0.000	20.3	OK
2_40	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.008	2.770	2.938	0.000	28.6	OK
2_41	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.168	2.595	2.874	0.000	72.7	OK

2_42	FEH 2022: 10 years: +45 %: 15 mins: Summer	4.432	3.080	3.188	0.000	17.6	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Network 2 - surcharged outfall	Company Address:		

FEH 2022: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

Junction	Storm Event	Cover Elevation (m)	Invert Elevation (m)	Max. Elevation (m)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Status
2_43 (FC)	FEH 2022: 30 years: +45 %: 15 mins: Summer	3.900	2.290	2.615	0.000	1.5	Surcharged
2_1	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.247	4.661	4.785	0.000	19.8	OK
2_5	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.762	4.240	4.732	0.000	159.3	Surcharged
2_8	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.622	4.103	4.672	0.000	234.1	Surcharged
2_9	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.004	3.775	4.368	0.000	381.9	Surcharged
2_18	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.304	2.804	3.303	0.000	716.8	OK
2_22	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.663	2.688	3.132	0.000	793.0	OK
2_24	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.854	3.490	3.660	0.000	60.5	OK
2_21	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.494	3.710	3.878	0.000	73.4	OK
2_11	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.180	4.484	4.637	0.000	67.1	OK
2_7	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.979	4.585	4.962	0.000	62.2	Surcharged
2_2	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.851	4.378	4.742	0.000	81.7	OK
2_30	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.852	4.172	4.400	0.000	87.0	OK
2_31	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.664	3.980	4.257	0.000	163.3	OK
2_32	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.093	3.518	3.771	0.000	284.4	OK
2_28	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.243	2.675	3.144	0.000	409.0	OK
2_36	FEH 2022: 30 years: +45 %: 15 mins: Summer	3.989	2.627	3.088	0.000	416.7	OK
2_38	FEH 2022: 30 years: +45 %: 15 mins: Summer	3.580	2.498	2.921	0.000	472.4	OK
2_13	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.903	3.741	3.984	0.000	74.9	OK
2_15	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.694	3.402	3.734	0.000	96.2	OK

2_17	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.937	3.320	3.654	0.000	208.9	OK
2_12	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.373	3.029	3.414	0.000	615.1	OK
2_25	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.069	3.440	3.757	0.000	40.5	Surcharged
2_26	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.630	3.117	3.476	0.000	75.0	Surcharged
2_27	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.303	2.941	3.305	0.000	104.0	Surcharged
2_4	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.792	4.640	4.864	0.000	44.4	OK
2_34	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.313	3.888	4.039	0.000	50.2	OK
2_(outlet)	FEH 2022: 30 years: +45 %: 15 mins: Summer	2.300	1.732	2.557	0.000	7.9	Flood
2_14	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.742	3.631	3.879	0.000	73.8	OK
2_16	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.768	3.359	3.707	0.000	124.8	OK
2_35	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.415	2.995	3.264	0.000	280.9	OK
2_37	FEH 2022: 30 years: +45 %: 15 mins: Summer	3.690	2.571	3.017	0.000	427.5	OK
2_29	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.835	4.500	4.793	0.000	45.4	Surcharged
2_33	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.588	4.100	4.362	0.000	50.1	Surcharged
2_3	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.699	4.770	4.977	0.000	35.7	OK
2_6	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.192	4.760	5.411	0.000	59.9	Surcharged
2_10	FEH 2022: 30 years: +45 %: 15 mins: Summer	6.118	4.675	5.302	0.000	64.4	Surcharged
2_19	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.472	4.100	4.633	0.000	23.3	Surcharged
2_20	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.597	3.789	4.208	0.000	65.5	Surcharged
2_23	FEH 2022: 30 years: +45 %: 15 mins: Summer	5.157	3.730	3.909	0.000	43.5	OK
2_39	FEH 2022: 30 years: +45 %: 15 mins: Summer	3.910	2.890	3.159	0.000	24.6	Surcharged
2_40	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.008	2.770	3.105	0.000	35.2	Surcharged
2_41	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.168	2.595	3.005	0.000	90.5	Surcharged

2_42	FEH 2022: 30 years: +45 %: 15 mins: Summer	4.432	3.080	3.349	0.000	21.2	Surcharged

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Network 2 - surcharged outfall	Company Address:		

FEH 2022: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flooded Volume

Junction	Storm Event	Cover Elevation (m)	Invert Elevation (m)	Max. Elevation (m)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Status
2_43 (FC)	FEH 2022: 100 years: +45 %: 15 mins: Summer	3.900	2.290	2.684	0.000	3.8	Surcharged
2_1	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.247	4.661	5.411	0.000	25.4	Surcharged
2_5	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.762	4.240	5.346	0.000	197.7	Surcharged
2_8	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.622	4.103	5.267	0.000	287.2	Surcharged
2_9	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.004	3.775	4.792	0.000	468.7	Surcharged
2_18	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.304	2.804	3.391	0.000	876.6	OK
2_22	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.663	2.688	3.204	0.000	971.7	OK
2_24	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.854	3.490	3.737	0.000	74.6	Surcharged
2_21	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.494	3.710	3.958	0.000	90.7	Surcharged
2_11	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.180	4.484	5.163	0.000	77.9	Surcharged
2_7	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.979	4.585	5.670	0.000	70.9	Surcharged
2_2	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.851	4.378	5.363	0.000	102.0	Surcharged
2_30	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.852	4.172	4.461	0.000	109.2	OK
2_31	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.664	3.980	4.363	0.000	199.6	Surcharged
2_32	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.093	3.518	3.819	0.000	353.4	OK
2_28	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.243	2.675	3.304	0.000	491.0	Surcharged
2_36	FEH 2022: 100 years: +45 %: 15 mins: Summer	3.989	2.627	3.225	0.000	508.6	Surcharged
2_38	FEH 2022: 100 years: +45 %: 15 mins: Summer	3.580	2.498	3.000	0.000	581.8	OK
2_13	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.903	3.741	4.109	0.000	93.1	Surcharged
2_15	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.694	3.402	3.844	0.000	117.3	OK

2_17	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.937	3.320	3.759	0.000	255.0	OK
2_12	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.373	3.029	3.512	0.000	750.7	OK
2_25	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.069	3.440	4.156	0.000	50.5	Surcharged
2_26	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.630	3.117	3.722	0.000	93.0	Surcharged
2_27	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.303	2.941	3.460	0.000	129.6	Surcharged
2_4	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.792	4.640	5.453	0.000	51.5	Surcharged
2_34	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.313	3.888	4.070	0.000	62.9	OK
2_(outlet)	FEH 2022: 100 years: +45 %: 15 mins: Summer	2.300	1.732	2.557	0.000	7.9	Flood
2_14	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.742	3.631	3.981	0.000	91.4	Surcharged
2_16	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.768	3.359	3.812	0.000	151.5	Surcharged
2_35	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.415	2.995	3.435	0.000	337.3	Surcharged
2_37	FEH 2022: 100 years: +45 %: 15 mins: Summer	3.690	2.571	3.129	0.000	522.6	Surcharged
2_29	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.835	4.500	4.963	0.000	57.7	Surcharged
2_33	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.588	4.100	4.577	0.000	63.1	Surcharged
2_3	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.699	4.770	5.597	0.000	40.3	Flood Risk
2_6	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.192	4.760	6.192	0.123	69.0	Flood Risk
2_10	FEH 2022: 100 years: +45 %: 15 mins: Summer	6.118	4.675	5.932	0.000	76.1	Flood Risk
2_19	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.472	4.100	5.006	0.000	28.6	Surcharged
2_20	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.597	3.789	4.396	0.000	81.1	Surcharged
2_23	FEH 2022: 100 years: +45 %: 15 mins: Summer	5.157	3.730	4.039	0.000	53.7	Surcharged
2_39	FEH 2022: 100 years: +45 %: 15 mins: Summer	3.910	2.890	3.447	0.000	31.5	Surcharged
2_40	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.008	2.770	3.359	0.000	45.5	Surcharged
2_41	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.168	2.595	3.194	0.000	115.9	Surcharged

2_42	FEH 2022: 100 years: +45 %: 15 mins: Summer	4.432	3.080	3.716	0.000	26.7	Surcharged

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Network 2 - surcharged outfall	Company Address:		

FEH 2022: 10 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Elevation (m)	Max. DS Elevation (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Basin_2	FEH 2022: 10 years: +45 %: 2880 mins: Summer	3.038	3.038	0.738	0.738	52.7	1933.954	0.000	7.6	1767.338	49.156	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Network 2 - surcharged outfall	Company Address:		

FEH 2022: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Elevation (m)	Max. DS Elevation (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Basin_2	FEH 2022: 30 years: +45 %: 2880 mins: Summer	3.165	3.165	0.865	0.865	63.5	2324.129	0.000	7.7	1995.204	38.899	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Network 2 - surcharged outfall	Company Address:		

FEH 2022: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Elevation (m)	Max. DS Elevation (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Basin_2	FEH 2022: 100 years: +45 %: 2880 mins: Summer	3.344	3.344	1.044	1.044	78.4	2907.447	0.000	7.7	2104.180	23.563	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Network 2 - surcharged outfall	Company Address:		

FEH 2022: 10 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Velocity

Connection	Storm Event	From	To	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
2_1.008	FEH 2022: 10 years: +45 %: 15 mins: Summer	Basin_2	2_43 (FC)	0.253	0.000	0.2	0.43	10.4	OK
2_1.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_1	2_2	0.094	6.659	0.8	0.21	15.0	OK
2_1.001	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_2	2_5	0.204	28.748	0.9	0.14	64.7	OK
2_1.002	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_5	2_8	0.295	57.156	1.2	0.42	128.7	OK
2_2.001	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_4	2_2	0.166	15.298	1.1	0.82	34.5	OK
2_3.001	FEH 2022: 10 years: +45 %: 15 mins: Winter	2_7	2_5	0.189	21.791	1.3	0.96	45.5	OK
2_1.003	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_8	2_9	0.344	87.806	1.5	0.78	197.3	OK
2_4.001	FEH 2022: 10 years: +45 %: 30 mins: Summer	2_11	2_9	0.114	30.155	2.3	0.47	47.1	OK
2_1.004	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_9	2_12	0.339	144.040	2.5	0.86	320.9	OK
2_5.004	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_17	2_12	0.265	71.969	1.7	0.61	162.7	OK
2_1.005	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_12	2_18	0.301	224.715	2.1	0.42	502.6	OK
2_6.002	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_21	2_18	0.131	25.486	2.4	0.59	57.0	OK
2_1.006	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_18	2_22	0.406	265.040	1.3	0.68	584.3	OK
2_7.001	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_24	2_22	0.133	20.688	1.9	0.61	46.9	OK
2_9.001	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_30	2_31	0.211	30.149	1.1	0.47	67.9	OK
2_9.002	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_31	2_32	0.221	56.365	1.9	0.63	127.3	OK
2_10.001	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_34	2_32	0.120	17.192	1.8	0.5	38.9	OK
2_8.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_25	2_26	0.156	14.174	1.1	0.82	31.9	OK
2_8.002	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_27	2_28	0.249	36.398	1.3	1.04	81.6	OK
2_8.003	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_28	2_36	0.377	144.640	1.0	0.68	321.5	OK
2_8.001	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_26	2_27	0.243	26.228	1.0	0.73	58.8	OK
2_8.006	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_38	Basin_2	0.323	172.016	1.3	0.79	368.8	OK
2_1.009	FEH 2022: 10 years: +45 %: 2880 mins: Summer	2_43 (FC)	2_ (outlet)	0.150	1573.668	0.4	0.48	7.6	Surcharged
2_1.007	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_22	Basin_2	0.370	290.186	1.6	0.56	637.9	OK
2_5.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_13	2_14	0.200	25.261	1.2	0.6	57.9	OK
2_5.001	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_14	2_15	0.193	25.242	1.2	0.69	57.0	OK
2_5.002	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_15	2_16	0.279	32.997	0.7	0.42	74.4	OK
2_5.003	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_16	2_17	0.282	42.722	0.9	0.58	96.6	OK
2_9.003	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_32	2_35	0.213	97.535	1.7	0.57	221.5	OK
2_9.004	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_35	2_28	0.220	97.188	1.8	0.44	219.2	OK
2_8.004	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_36	2_37	0.373	150.914	1.0	0.69	326.9	OK
2_8.005	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_37	2_38	0.363	155.001	1.1	0.71	334.5	OK
2_9.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_29	2_30	0.169	15.742	1.1	0.91	35.5	OK
2_10.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_33	2_34	0.151	17.209	1.4	0.89	39.3	OK
2_2.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_3	2_4	0.165	12.283	0.9	0.71	28.0	OK
2_3.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_6	2_7	0.225	20.688	1.2	1.21	46.7	Surcharged
2_4.000	FEH 2022: 10 years: +45 %: 30 mins: Summer	2_10	2_11	0.190	28.954	1.4	1.18	45.5	Surcharged
2_6.000	FEH 2022: 10 years: +45 %: 30 mins: Summer	2_19	2_20	0.131	10.612	1.1	0.94	16.8	OK
2_6.001	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_20	2_21	0.197	22.782	1.5	1.31	50.8	Surcharged
2_7.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_23	2_24	0.143	14.730	1.3	0.68	33.7	OK
2_11.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_39	2_40	0.142	8.860	0.8	0.51	20.3	OK
2_11.001	FEH 2022: 10 years: +45 %: 30 mins: Winter	2_40	2_41	0.134	16.769	0.9	0.55	21.5	OK
2_12.000	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_42	2_41	0.116	7.636	1.3	0.8	17.6	OK
2_11.002	FEH 2022: 10 years: +45 %: 15 mins: Summer	2_41	Basin_2	0.245	32.448	1.2	1.07	72.7	OK

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Network 2 - surcharged outfall	Company Address:		

FEH 2022: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Velocity

Connection	Storm Event	From	To	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
2_1.008	FEH 2022: 30 years: +45 %: 15 mins: Summer	Basin_2	2_43 (FC)	0.300	0.062	0.4	0.7	16.7	Surcharged
2_1.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_1	2_2	0.169	8.515	0.8	0.28	19.8	OK
2_1.001	FEH 2022: 30 years: +45 %: 15 mins: Winter	2_2	2_5	0.269	37.179	0.9	0.17	77.7	OK
2_1.002	FEH 2022: 30 years: +45 %: 30 mins: Winter	2_5	2_8	0.287	97.934	1.2	0.41	124.0	OK
2_2.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_4	2_2	0.200	19.780	1.2	1.06	44.4	OK
2_3.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_7	2_5	0.225	28.167	1.6	1.31	62.2	Surcharged
2_1.003	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_8	2_9	0.450	113.587	1.5	0.93	234.1	Surcharged
2_4.001	FEH 2022: 30 years: +45 %: 30 mins: Winter	2_11	2_9	0.122	39.430	2.3	0.5	50.3	OK
2_1.004	FEH 2022: 30 years: +45 %: 15 mins: Winter	2_9	2_12	0.424	186.359	2.6	0.99	369.2	Surcharged
2_5.004	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_17	2_12	0.322	91.992	1.7	0.79	208.9	OK
2_1.005	FEH 2022: 30 years: +45 %: 15 mins: Winter	2_12	2_18	0.350	290.260	2.1	0.49	587.0	OK
2_6.002	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_21	2_18	0.157	33.015	2.5	0.76	73.4	OK
2_1.006	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_18	2_22	0.471	342.132	1.4	0.84	716.8	OK
2_7.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_24	2_22	0.160	26.753	2.0	0.79	60.5	OK
2_9.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_30	2_31	0.252	38.986	1.1	0.6	87.0	OK
2_9.002	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_31	2_32	0.265	72.880	2.0	0.81	163.3	OK
2_10.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_34	2_32	0.141	22.231	1.9	0.65	50.2	OK
2_8.000	FEH 2022: 30 years: +45 %: 30 mins: Summer	2_25	2_26	0.198	24.148	1.1	0.99	38.4	OK
2_8.002	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_27	2_28	0.300	47.058	1.5	1.33	104.0	Surcharged
2_8.003	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_28	2_36	0.465	187.216	1.0	0.87	409.0	OK
2_8.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_26	2_27	0.300	33.937	1.1	0.93	75.0	Surcharged
2_8.006	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_38	Basin_2	0.375	219.903	1.4	1.01	472.4	OK
2_1.009	FEH 2022: 30 years: +45 %: 2880 mins: Summer	2_43 (FC)	2_ (outlet)	0.150	1817.692	0.4	0.49	7.7	Surcharged
2_1.007	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_22	Basin_2	0.421	373.658	1.7	0.69	793.0	OK
2_5.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_13	2_14	0.245	32.668	1.2	0.77	74.9	OK
2_5.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_14	2_15	0.230	32.647	1.3	0.9	73.8	OK
2_5.002	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_15	2_16	0.340	42.677	0.8	0.54	96.2	OK
2_5.003	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_16	2_17	0.341	55.255	1.0	0.75	124.8	OK
2_9.003	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_32	2_35	0.261	126.108	1.8	0.73	284.4	OK
2_9.004	FEH 2022: 30 years: +45 %: 30 mins: Winter	2_35	2_28	0.219	166.886	1.8	0.43	211.3	OK
2_8.004	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_36	2_37	0.454	195.380	1.1	0.89	416.7	OK
2_8.005	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_37	2_38	0.434	200.385	1.1	0.91	427.5	OK
2_9.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_29	2_30	0.225	20.361	1.1	1.17	45.4	Surcharged
2_10.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_33	2_34	0.206	22.246	1.4	1.13	50.1	Surcharged
2_2.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_3	2_4	0.216	15.874	0.9	0.91	35.7	OK
2_3.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_6	2_7	0.225	26.721	1.5	1.55	59.9	Surcharged
2_4.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_10	2_11	0.225	28.621	1.6	1.67	64.4	Surcharged
2_6.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_19	2_20	0.150	10.583	1.3	1.3	23.3	Surcharged
2_6.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_20	2_21	0.225	29.510	1.6	1.69	65.5	Surcharged
2_7.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_23	2_24	0.175	19.044	1.3	0.88	43.5	OK
2_11.000	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_39	2_40	0.225	11.461	0.8	0.61	24.6	Surcharged
2_11.001	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_40	2_41	0.225	16.529	0.9	0.9	35.2	Surcharged
2_12.000	FEH 2022: 30 years: +45 %: 30 mins: Summer	2_42	2_41	0.150	13.099	1.3	0.94	20.6	OK

2_11.002	FEH 2022: 30 years: +45 %: 15 mins: Summer	2_41	Basin_2	0.300	41.791	1.3	1.33	90.5	Surcharged

Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Network 2 - surcharged outfall	Company Address:		

FEH 2022: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Velocity

Connection	Storm Event	From	To	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
2_1.008	FEH 2022: 100 years: +45 %: 15 mins: Winter	Basin_2	2_43 (FC)	0.300	2.601	0.4	0.59	14.2	Surcharged
2_1.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_1	2_2	0.300	10.912	0.9	0.35	25.4	Surcharged
2_1.001	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_2	2_5	0.450	46.519	1.0	0.23	102.0	Surcharged
2_1.002	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_5	2_8	0.450	92.500	1.2	0.65	197.7	Surcharged
2_2.001	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_4	2_2	0.225	24.729	1.3	1.23	51.5	Surcharged
2_3.001	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_7	2_5	0.225	35.217	1.8	1.5	70.9	Surcharged
2_1.003	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_8	2_9	0.450	142.073	1.8	1.14	287.2	Surcharged
2_4.001	FEH 2022: 100 years: +45 %: 15 mins: Winter	2_11	2_9	0.225	37.141	2.4	0.72	72.5	Surcharged
2_1.004	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_9	2_12	0.450	233.040	2.9	1.25	468.7	Surcharged
2_5.004	FEH 2022: 100 years: +45 %: 30 mins: Summer	2_17	2_12	0.384	154.690	1.8	0.91	240.8	OK
2_1.005	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_12	2_18	0.459	363.090	2.1	0.63	750.7	OK
2_6.002	FEH 2022: 100 years: +45 %: 30 mins: Summer	2_21	2_18	0.180	55.234	2.5	0.88	85.3	OK
2_1.006	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_18	2_22	0.552	428.175	1.4	1.03	876.6	OK
2_7.001	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_24	2_22	0.213	33.446	2.0	0.97	74.6	Surcharged
2_9.001	FEH 2022: 100 years: +45 %: 15 mins: Winter	2_30	2_31	0.292	48.750	1.1	0.7	102.2	OK
2_9.002	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_31	2_32	0.340	91.120	2.0	0.98	199.6	Surcharged
2_10.001	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_34	2_32	0.167	27.798	2.0	0.81	62.9	OK
2_8.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_25	2_26	0.225	22.554	1.3	1.3	50.5	Surcharged
2_8.002	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_27	2_28	0.300	58.785	1.8	1.65	129.6	Surcharged
2_8.003	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_28	2_36	0.525	234.143	1.1	1.04	491.0	Surcharged
2_8.001	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_26	2_27	0.300	42.381	1.3	1.15	93.0	Surcharged
2_8.006	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_38	Basin_2	0.434	270.534	1.5	1.24	581.8	OK
2_1.009	FEH 2022: 100 years: +45 %: 960 mins: Winter	2_43 (FC)	2_ (outlet)	0.150	624.674	0.4	0.49	7.7	Surcharged
2_1.007	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_22	Basin_2	0.479	466.644	1.8	0.85	971.7	OK
2_5.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_13	2_14	0.300	40.818	1.3	0.96	93.1	Surcharged
2_5.001	FEH 2022: 100 years: +45 %: 15 mins: Winter	2_14	2_15	0.267	40.772	1.3	1.04	85.7	OK
2_5.002	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_15	2_16	0.448	53.293	0.8	0.66	117.3	OK
2_5.003	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_16	2_17	0.446	69.024	1.0	0.9	151.5	Surcharged
2_9.003	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_32	2_35	0.364	157.346	1.8	0.9	353.4	OK
2_9.004	FEH 2022: 100 years: +45 %: 30 mins: Winter	2_35	2_28	0.284	211.003	1.8	0.54	266.6	OK
2_8.004	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_36	2_37	0.525	243.849	1.2	1.08	508.6	Surcharged
2_8.005	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_37	2_38	0.525	248.614	1.2	1.11	522.6	Surcharged
2_9.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_29	2_30	0.225	25.457	1.5	1.48	57.7	Surcharged
2_10.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_33	2_34	0.225	27.805	1.6	1.42	63.1	Surcharged
2_2.000	FEH 2022: 100 years: +45 %: 30 mins: Summer	2_3	2_4	0.225	26.562	1.0	1.03	40.5	Flood Risk

2_3.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_6	2_7	0.225	33.415	1.7	1.79	69.0	Flood Risk
2_4.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_10	2_11	0.225	35.706	1.9	1.97	76.1	Flood Risk
2_6.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_19	2_20	0.150	13.207	1.6	1.6	28.6	Surcharged
2_6.001	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_20	2_21	0.225	36.871	2.0	2.1	81.1	Surcharged
2_7.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_23	2_24	0.225	23.799	1.4	1.09	53.7	Surcharged
2_11.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_39	2_40	0.225	14.331	0.8	0.79	31.5	Surcharged
2_11.001	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_40	2_41	0.225	20.694	1.1	1.17	45.5	Surcharged
2_12.000	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_42	2_41	0.150	12.313	1.5	1.22	26.7	Surcharged
2_11.002	FEH 2022: 100 years: +45 %: 15 mins: Summer	2_41	Basin_2	0.300	51.661	1.6	1.7	115.9	Surcharged

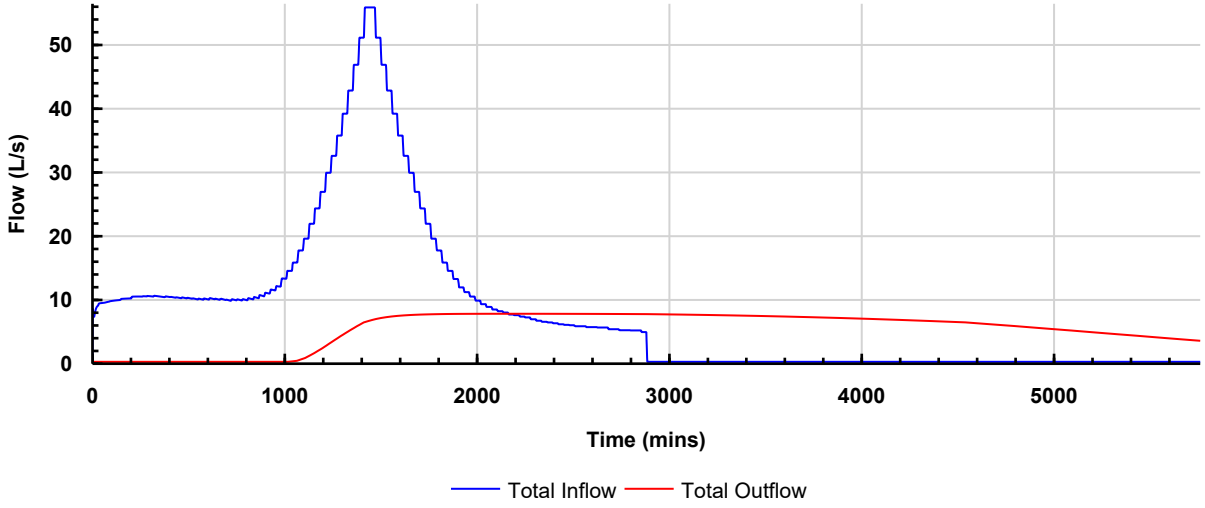
Network 2 - surcharged outfall
FEH 2022: 10 years: Increase Rainfall (%): +45: 2880 mins: Summer

Tables

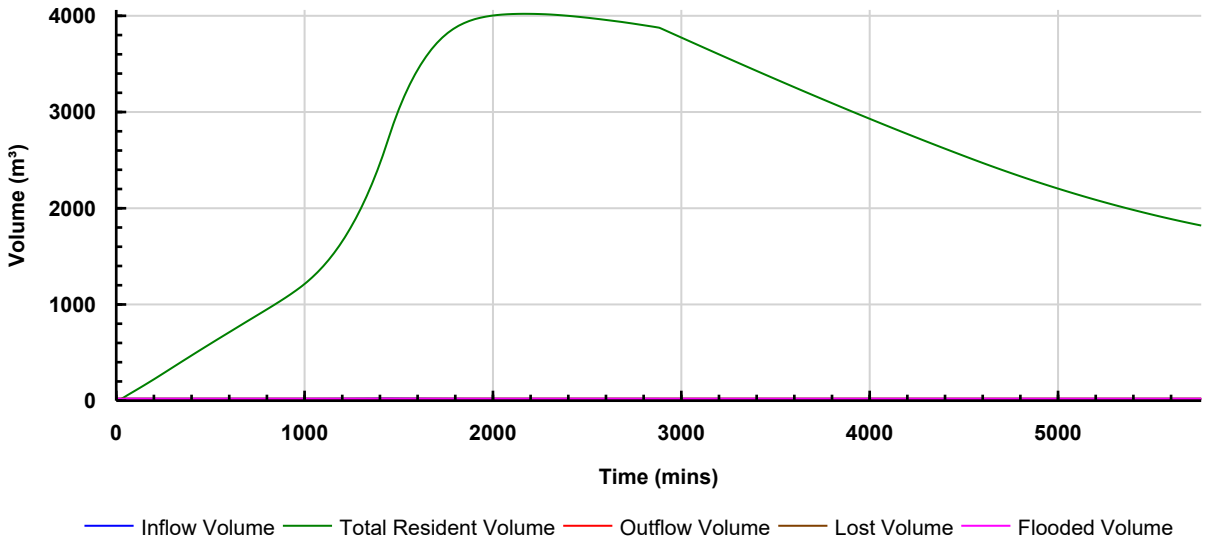
Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
2 (outlet)			7.9	1960.109
TOTAL	55.9	2670.669	7.6	1766.889

Graphs

Flow Graph



Volume Graph



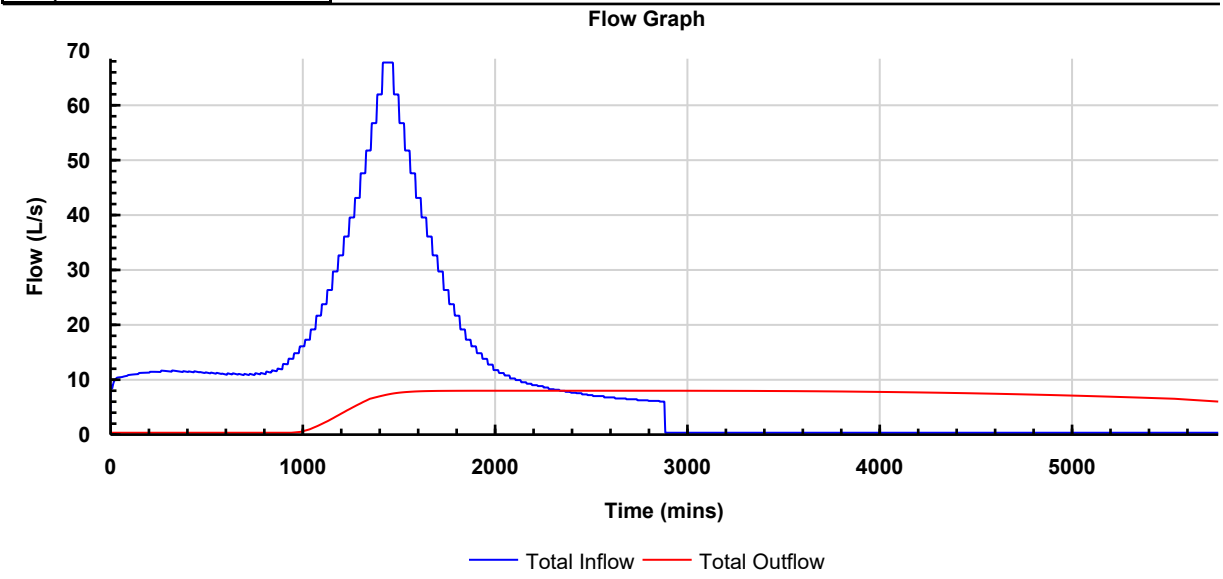
Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Phase Management Storm Phase: Network 2 - surcharged outfall	Company Address:		

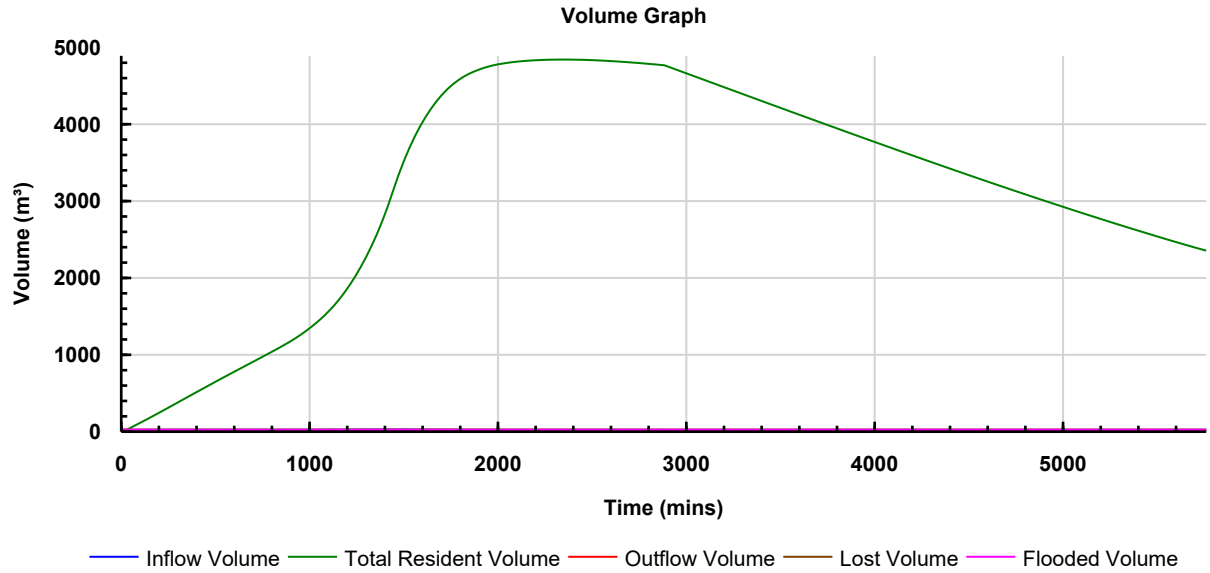
Network 2 - surcharged outfall
FEH 2022: 30 years: Increase Rainfall (%): +45: 2880 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
2 (outlet)			7.9	2171.069
TOTAL	67.8	3167.376	7.7	1994.380

Graphs





Project:	Date:		
Land West of Bilsham Road, Yapton 24-217 Network_2	01-04-2025 Designed by: AK	Checked by:	Approved By:
Report Details: Type: Phase Management Storm Phase: Network 2 - surcharged outfall	Company Address:		

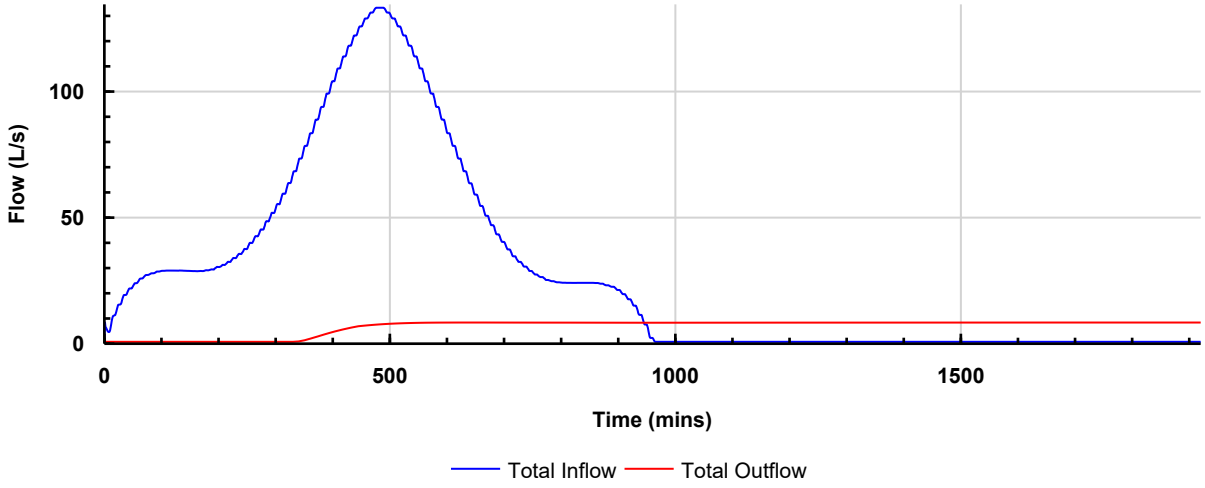
Network 2 - surcharged outfall
FEH 2022: 100 years: Increase Rainfall (%): +45: 960 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
2 (outlet)			7.9	765.857
TOTAL	133.2	3105.133	7.7	695.265

Graphs

Flow Graph



Volume Graph

