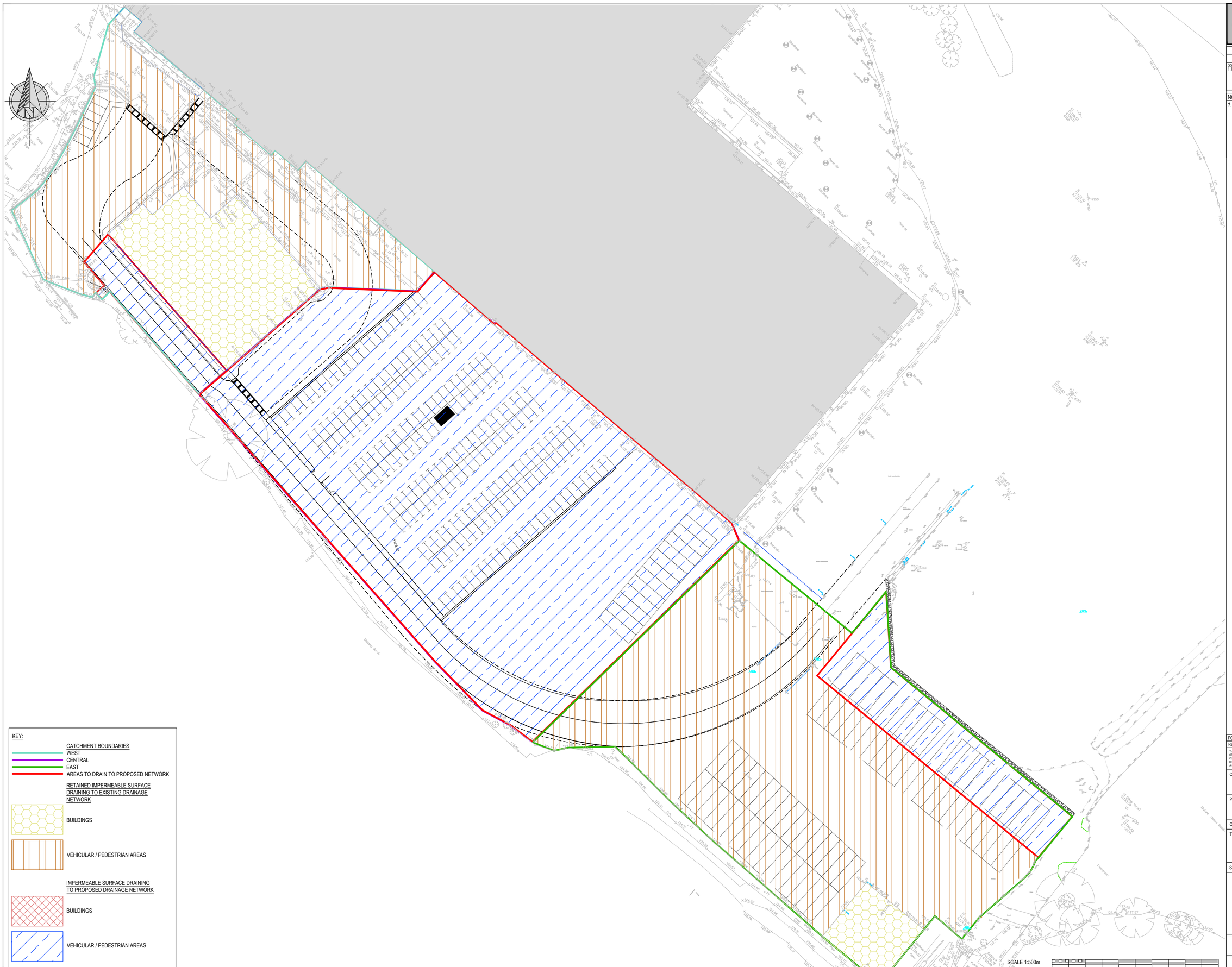


KEY:

CATCHMENT BOUNDARIES
- WEST
- CENTRAL
- EAST
- AREAS TO DRAIN TO PROPOSED NETWORK

RETAINED IMPERMEABLE SURFACE DRAINING TO EXISTING DRAINAGE NETWORK
- BUILDINGS
- VEHICULAR / PEDESTRIAN AREAS

IMPERMEABLE SURFACE DRAINING TO PROPOSED DRAINAGE NETWORK
- BUILDINGS
- VEHICULAR / PEDESTRIAN AREAS

PRELIMINARY DRAWING

THIS DRAWING IS FOR PRELIMINARY INFORMATION PURPOSES ONLY AND MUST NOT BE READ AS A CONSTRUCTION ISSUE. IT INDICATES DESIGN INTENT ONLY AND IS SUBJECT TO AMENDMENT DURING FINAL DESIGN DEVELOPMENT

DRAWING REFERENCE LIST

DRAWING NUMBER	REV	DATE	CREATOR
SSL-2900K-200-1-1 1:1062/4	- A	FEB '20 05/09/97	SURVEY SYSTEMS BRIAN CLANCY PARTNERSHIP

NOTES

1. *CATCHEMENT BASED ON ALL IMPERMEABLE AREAS DRAINING TO EXISTING DRAINAGE NETWORK HAVING NO SUDS FEATURES. DISTRIBUTION OF AREAS TO POINTS OF COLLECTION BASED SOLELY ON REVIEWING 2D PLAN OF SURVEY.*

CATCHMENT AREAS SUMMARY

WEST CATCHMENT	6,479m²
CENTRAL CATCHMENT	11,714m²
EAST CATCHMENT	9,849m²

BREAKDOWN OF CATCHMENTS

WEST CATCHMENT (RETAINED AREA):

1,787m²	BUILDINGS
3,960m²	VEHICULAR / PEDESTRIAN AREAS
134m²	TOTAL PERMEABLE AREA
5,881m²	TOTAL AREA

WEST CATCHMENT (REDEVELOPED AREA):

0m²	BUILDINGS
598m²	VEHICULAR / PEDESTRIAN AREAS
598m²	TOTAL IMPERMEABLE AREA

CENTRAL CATCHMENT (RETAINED AREA):

0m²	BUILDINGS
0m²	VEHICULAR / PEDESTRIAN AREAS
0m²	TOTAL PERMEABLE AREA
5,881m²	TOTAL AREA

CENTRAL CATCHMENT (REDEVELOPED AREA):

0m²	BUILDINGS
11,714m²	VEHICULAR / PEDESTRIAN AREAS
11,714m²	TOTAL IMPERMEABLE AREA

EAST CATCHMENT (RETAINED AREA):

470m²	BUILDINGS
7,844m²	VEHICULAR / PEDESTRIAN AREAS
0m²	TOTAL PERMEABLE AREA
8,314m²	TOTAL AREA

EAST CATCHMENT (REDEVELOPED AREA):

0m²	BUILDINGS
1,535m²	VEHICULAR / PEDESTRIAN AREAS
1,535m²	TOTAL IMPERMEABLE AREA

Rev	Date	Description	By	Check	App.
P01	04/05/23	FIRST ISSUE	PL	PL	

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DRAWINGS, DETAILS AND SPECIFICATION FROM THE ARCHITECT, OTHER RELEVANT ENGINEERS AND ANY SPECIALIST SUPPLIER INFORMATION. THE COPYRIGHT OF THIS DRAWING IS VESTED IN CLANCY CONSULTING. IT SHALL NOT BE USED WITHOUT PERMISSION BY ANYONE FOR ANY PURPOSE. DO NOT SCALE THIS DRAWING ELECTRONICALLY OR MANUALLY. WORK TO FIGURED DIMENSIONS ONLY. ALL DIMENSIONS IN mm UNO. ALL LEVELS IN m A.O.D.(NN). IF IN DOUBT ABOUT THE INFORMATION SHOWN ON THIS DRAWING OR ANY RELATED DRAWING - ASK

Client: CARPENTERS LTD

Project: CARPENTERS, GLOSSOP

Office: LONDON - 020 3077 0970

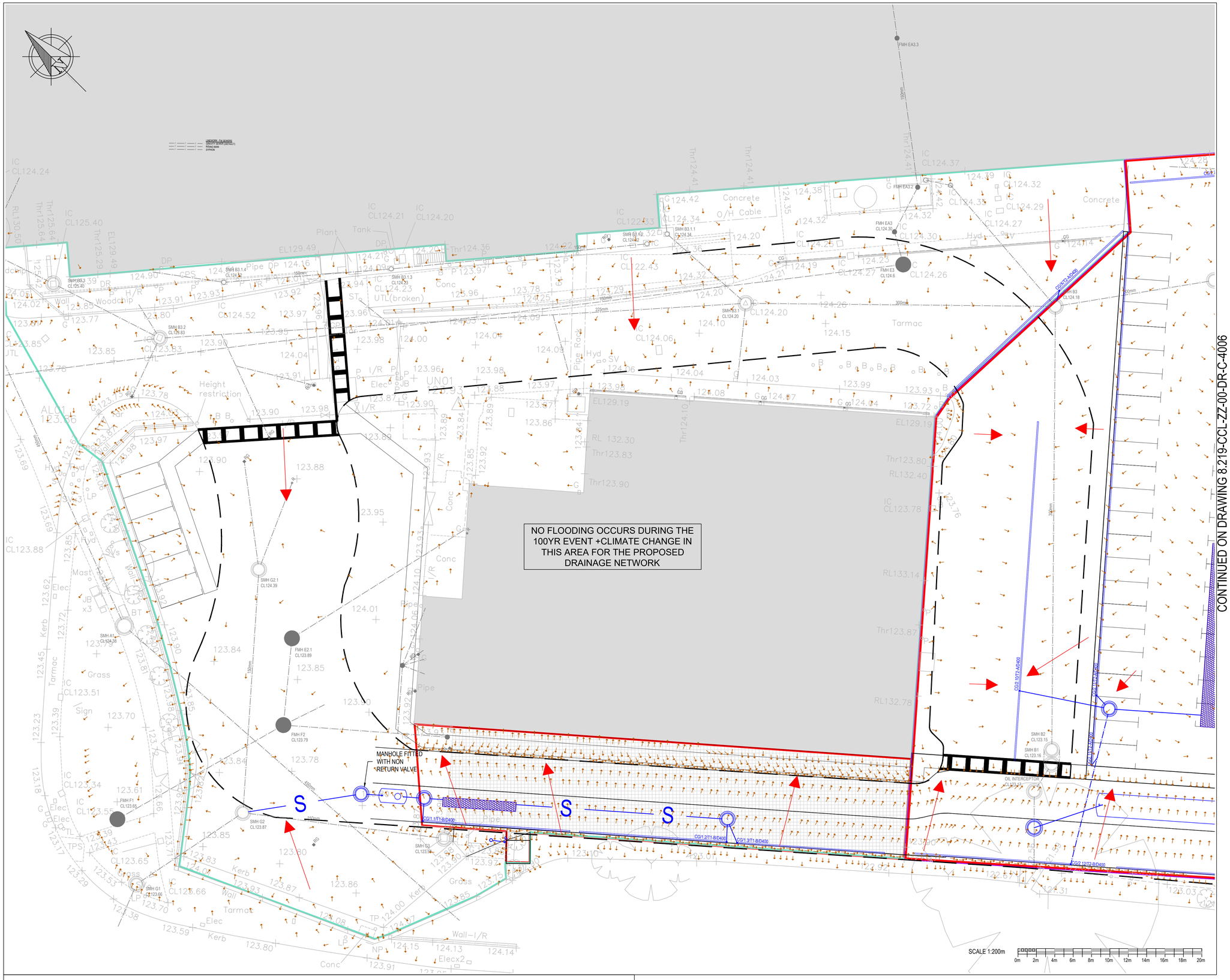
Title: PROPOSED DRAINAGE CATCHMENT PLAN

Scale @ A1: 1:500 | Status: PRELIMINARY

clancy consulting
www.clancy.co.uk

Project Ref	Originator	Volume	Level
8.2819	CCL	ZZ	00
File Type	**Discipline**	**Drawing No.**	**Revision**
DR	C	4002	P1

Date of Print = May 17,2023, File Name = 8.2819-CCL-ZZ-DR-C-4002_P01_ProposedDrainageCatchmentPlan.dwg



CONTINUED ON DRAWING 8.219-CCL-ZZ-00-DR-C-4006

KEY:

- RETAINED BUILDINGS
- PORTIONS OF / BUILDINGS TO BE REMOVED
- GROUND LEVEL FALL ARROW (EXISTING & PROPOSED AREAS) IN DIRECTION OF FALL
- AREA OF FLOODING FOR 100YR EVENT + CLIMATE CHANGE
- FLOOD ROUTE FOR 200YR EVENT

CATCHMENT BOUNDARIES
- WEST
- CENTRAL
- EAST
- AREAS TO DRAIN TO PROPOSED NETWORK

EXISTING DRAINAGE:
- FOUL WATER SEWER (PRIVATE)
- SURFACE WATER SEWER (PRIVATE)
- MANHOLE (FW / SW)
- R RAINWATER PIPE
- RG GULLY
- CG CHANNEL GULLY

PROPOSED DRAINAGE:
- SURFACE WATER SEWER (PRIVATE)
- MANHOLE (FW / SW)
- RG GULLY
- CG CHANNEL GULLY
- PETROL INTERCEPTOR

PRELIMINARY DRAWING

THIS DRAWING IS FOR PRELIMINARY INFORMATION PURPOSES ONLY AND MUST NOT BE READ AS A CONSTRUCTION ISSUE. IT INDICATES DESIGN INTENT ONLY AND IS SUBJECT TO AMENDMENT DURING FINAL DESIGN DEVELOPMENT

DRAWING REFERENCE LIST

DRAWING NUMBER	REV	DATE	CREATOR
SSL-2900K-200-1-1 1.10624	- A	FEB '20 05/09/97	SURVEY SYSTEMS BRIAN CLANCY PARTNERSHIP

NOTES

1. PROPOSED FLOOD ROUTES APPROXIMATE BASED ON INTERPOLATION OF PROPOSED & EXISTING GROUND LEVELS.
2. FLOOD EXCEEDENCE DOES NOT TAKE INTO ACCOUNT EXISTING SURFACE WATER FLOODING. DETAILED INFORMATION OF EXISTING FLOODING REQUIRED WHICH IS CURRENTLY NOT AVAILABLE.

Rev	Date	Description	By	Check	App.
P01	11/05/23	FIRST ISSUE	PL	PL	

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DRAWINGS, DETAILS AND SPECIFICATION FROM THE ARCHITECT, OTHER RELEVANT ENGINEERS AND ANY SPECIALIST SUPPLIER INFORMATION. THE COPYRIGHT OF THIS DRAWING IS VESTED IN CLANCY CONSULTING. IT SHALL NOT BE USED WITHOUT PERMISSION BY ANYONE FOR ANY PURPOSE. DO NOT SCALE THIS DRAWING ELECTRONICALLY OR MANUALLY. WORK TO FIGURED DIMENSIONS ONLY. ALL DIMENSIONS IN mm UNO. ALL LEVELS IN m A.O.D UNO. IF IN DOUBT ABOUT THE INFORMATION SHOWN ON THIS DRAWING OR ANY RELATED DRAWING - ASK.

Client: CARPENTERS LTD

Project: CARPENTERS, GLOSSOP

Office: LONDON - 020 3077 0970

Title: PROPOSED DRAINAGE PLAN SHEET 1

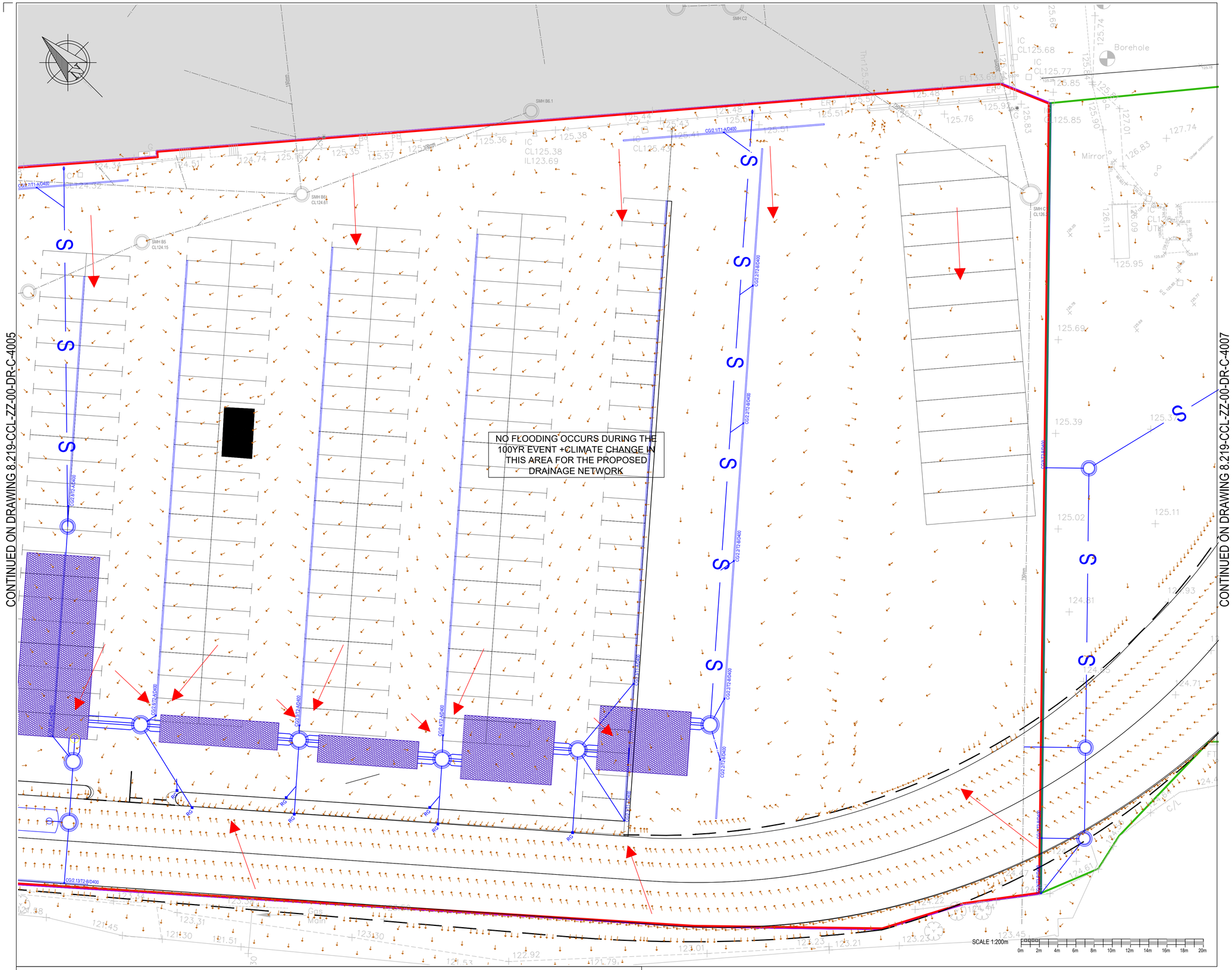
Scale @ A1: 1:200 | Status: PRELIMINARY

clancy consulting

www.clancy.co.uk

Project Ref	Originator	Volume	Level
8.2819	CCL	ZZ	00
File Type	**Discipline**	**Drawing No.**	**Revision**
DR	C	4005	P1

Date of Print = May 11 2023, File Name = 8.2819-CCL-ZZ-00-DR-C-4005-408_LIVE_Proposed Drainage Flood Exceedence Plan.dwg



CONTINUED ON DRAWING 8.219-CCL-ZZ-00-DR-C-4005

CONTINUED ON DRAWING 8.219-CCL-ZZ-00-DR-C-4007

KEY:

- RETAINED BUILDINGS
- PORTIONS OF / BUILDINGS TO BE REMOVED
- GROUND LEVEL FALL ARROW (EXISTING & PROPOSED AREAS) IN DIRECTION OF FALL
- AREA OF FLOODING FOR 100YR EVENT + CLIMATE CHANGE
- FLOOD ROUTE FOR 200YR EVENT

CATCHMENT BOUNDARIES
- WEST
- CENTRAL
- EAST
- AREAS TO DRAIN TO PROPOSED NETWORK

EXISTING DRAINAGE:
- FOUL WATER SEWER (PRIVATE)
- SURFACE WATER SEWER (PRIVATE)
- MANHOLE (FW / SW)
- R RAINWATER PIPE
- RG GULLY
- CG CHANNEL GULLY

PROPOSED DRAINAGE:
- SURFACE WATER SEWER (PRIVATE)
- MANHOLE (FW / SW)
- RG GULLY
- CG CHANNEL GULLY
- PETROL INTERCEPTOR

PRELIMINARY DRAWING

THIS DRAWING IS FOR PRELIMINARY INFORMATION PURPOSES ONLY AND MUST NOT BE READ AS A CONSTRUCTION ISSUE. IT INDICATES DESIGN INTENT ONLY AND IS SUBJECT TO AMENDMENT DURING FINAL DESIGN DEVELOPMENT

DRAWING REFERENCE LIST

DRAWING NUMBER	REV	DATE	CREATOR
SSL-2900K-200-1-1 1.10624	- A	FEB '20 05/09/97	SURVEY SYSTEMS BRIAN CLANCY PARTNERSHIP

NOTES

1. PROPOSED FLOOD ROUTES APPROXIMATE BASED ON INTERPOLATION OF PROPOSED & EXISTING GROUND LEVELS.
2. FLOOD EXCEEDENCE DOES NOT TAKE INTO ACCOUNT EXISTING SURFACE WATER FLOODING. DETAILED INFORMATION OF EXISTING FLOODING REQUIRED WHICH IS CURRENTLY NOT AVAILABLE.

Rev	Date	Description	By	Check	App.
P01	11/05/23	FIRST ISSUE	PL	PL	

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DRAWINGS, DETAILS AND SPECIFICATION FROM THE ARCHITECT, OTHER RELEVANT ENGINEERS AND ANY SPECIALIST SUPPLIER INFORMATION. THE COPYRIGHT OF THIS DRAWING IS VESTED IN CLANCY CONSULTING. IT SHALL NOT BE USED WITHOUT PERMISSION BY ANYONE FOR ANY PURPOSE. DO NOT SCALE THIS DRAWING ELECTRONICALLY OR MANUALLY. WORK TO FIGURED DIMENSIONS ONLY. ALL DIMENSIONS IN mm UNO. ALL LEVELS IN m A.O.D UNO. IF IN DOUBT ABOUT THE INFORMATION SHOWN ON THIS DRAWING OR ANY RELATED DRAWING - ASK

Client: CARPENTERS LTD

Project: CARPENTERS, GLOSSOP

Office: LONDON - 020 3077 0970

Title: PROPOSED DRAINAGE PLAN SHEET 2

Scale @ A1: 1:200 | Status: PRELIMINARY

clancy consulting
www.clancy.co.uk

Project Ref	Originator	Volume	Level
8.2819	CCL	ZZ	00
File Type	**Discipline**	**Drawing No.**	**Revision**
DR	C	4006	P1

Date of Print = May 11 2023, File Name = 8.2819-CCL-ZZ-00-DR-C-4005-408_LIVE_Proposed Drainage Flood Exceedence Plan.dwg

CONTINUED ON DRAWING 8.219-CCL-ZZ-00-DR-C-4006

NO FLOODING OCCURS DURING THE 100YR EVENT +CLIMATE CHANGE IN THIS AREA FOR THE PROPOSED DRAINAGE NETWORK

SCALE 1:200m

0m 2m 4m 6m 8m 10m 12m 14m 16m 18m 20m

KEY:

- RETAINED BUILDINGS
- PORTIONS OF / BUILDINGS TO BE REMOVED
- GROUND LEVEL FALL ARROW (EXISTING & PROPOSED AREAS) IN DIRECTION OF FALL
- AREA OF FLOODING FOR 100YR EVENT + CLIMATE CHANGE
- FLOOD ROUTE FOR 200YR EVENT

CATCHMENT BOUNDARIES
- WEST
- CENTRAL
- EAST
- AREAS TO DRAIN TO PROPOSED NETWORK

EXISTING DRAINAGE:
- FOUL WATER SEWER (PRIVATE)
- SURFACE WATER SEWER (PRIVATE)
- MANHOLE (FW / SW)
- RAINWATER PIPE
- GULLY
- CHANNEL GULLY

PROPOSED DRAINAGE:
- SURFACE WATER SEWER (PRIVATE)
- MANHOLE (FW / SW)
- GULLY
- CHANNEL GULLY
- PETROL INTERCEPTOR

PRELIMINARY DRAWING

THIS DRAWING IS FOR PRELIMINARY INFORMATION PURPOSES ONLY AND MUST NOT BE READ AS A CONSTRUCTION ISSUE. IT INDICATES DESIGN INTENT ONLY AND IS SUBJECT TO AMENDMENT DURING FINAL DESIGN DEVELOPMENT

DRAWING REFERENCE LIST

DRAWING NUMBER	REV	DATE	CREATOR
SSL-2900K-200-1-1 1.10624	- A	FEB '20 05/09/97	SURVEY SYSTEMS BRIAN CLANCY PARTNERSHIP

NOTES

1. PROPOSED FLOOD ROUTES APPROXIMATE BASED ON INTERPOLATION OF PROPOSED & EXISTING GROUND LEVELS.
2. FLOOD EXCEEDENCE DOES NOT TAKE INTO ACCOUNT EXISTING SURFACE WATER FLOODING. DETAILED INFORMATION OF EXISTING FLOODING REQUIRED WHICH IS CURRENTLY NOT AVAILABLE.

Rev	Date	Description	By	Check	App.
P01	11/05/23	FIRST ISSUE	PL	PL	

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DRAWINGS, DETAILS AND SPECIFICATION FROM THE ARCHITECT, OTHER RELEVANT ENGINEER'S AND ANY SPECIALIST SUPPLIER INFORMATION. THE COPYRIGHT OF THIS DRAWING IS VESTED IN CLANCY CONSULTING. IT SHALL NOT BE USED WITHOUT PERMISSION BY ANYONE FOR ANY PURPOSE. DO NOT SCALE THIS DRAWING ELECTRONICALLY OR MANUALLY. WORK TO FIGURED DIMENSIONS ONLY. ALL DIMENSIONS IN mm UNO. ALL LEVELS IN m A.O.D.UNO. IF IN DOUBT ABOUT THE INFORMATION SHOWN ON THIS DRAWING OR ANY RELATED DRAWING - ASK.

Client: CARPENTERS LTD

Project: CARPENTERS, GLOSSOP

Office: LONDON - 020 3077 0970

Title: PROPOSED DRAINAGE PLAN SHEET 3

Scale @ A1: 1:200 | Status: PRELIMINARY

clancy consulting
www.clancy.co.uk

Project Ref	Originator	Volume	Level
8.2819	CCL	ZZ	00
File Type	Discipline	Drawing No.	Revision
DR	C	4007	P1

Date of Print = May 11 2023. File Name = 8.219-CCL-ZZ-00-DR-C-4007-P01_Proposed Drainage Flood Exceedence Plan.dwg

NETWORK 1 - WEST CATCHMENT

Manhole Number	Cover Level	Connections	Pipe				Manhole Size	Types	
Coordinates	Depth To Invert		Code	Inverts	Diams			Manhole	Cover
S1.01	123.873		0	2.000	122.300	150	1200 (CP1)	B	D400
E. 401466.425	1.573								
N. 394896.241									
S1.02	123.840		1	2.002	121.940	150	1200 (FC1)	B	D400
E. 401444.691	1.900		0	2.003	121.940	150			
N. 394921.180									
S1.03	123.840		1	2.003	121.840	150	PETROL INTERCEPTOR		D400
E. 401442.662	2.100		0	2.004	121.740	150			
N. 394923.511									
S1.04	123.840		1	2.004	121.640	150	1200 (NRV)	B	D400
E. 401440.174	2.200		0	2.005	121.640	150			
N. 394926.367									
SCS1.1A			1	2.000	122.040	150		JUNCTION	
E. 401449.315			0	2.001	122.040	150			
N. 394915.871									
SCS1.1X			1	2.001	121.990	150		JUNCTION	
E. 401446.031			0	2.002	121.990	150			
N. 394919.642									

NETWORK 3 - EAST CATCHMENT

Manhole Number	Cover Level	Connections	Pipe				Manhole Size	Types	
Coordinates	Depth To Invert		Code	Inverts	Diams			Manhole	Cover
S3.01	126.349		0	2.000	124.800	150	1200 (CP1)	B	D400
E. 401692.837	1.549								
N. 394767.104									
S3.02	125.890		1	2.002	124.400	150	1200 (FC1)	B	D400
E. 401661.971	1.490		0	2.003	124.400	150			
N. 394792.483									
S3.03	125.907		1	2.003	124.350	150	PETROL INTERCEPTOR		D400
E. 401659.698	1.957		0	2.004	123.950	450			
N. 394793.039									
S3.04	125.278		1	2.004	123.480	450	1350 (NRV)	B	D400
E. 401613.948	1.798		0	2.005	123.480	450			
N. 394804.241									
S3.05	124.566		1	3.000	122.930	450	1350	B	D400
E. 401591.999	1.636		2	2.005	122.930	450			
N. 394782.825			0	2.006	122.930	450			
S3.08			1	2.006	122.829	450		JUNCTION	
E. 401587.279			2	1.000	122.529	750			
N. 394787.713			0	1.001	122.529	750			
S3.09	124.466		0	3.000	123.030	450	1350	B	D400
E. 401584.853	1.436								
N. 394775.852									
SCS3.1A			1	2.000	124.700	150		JUNCTION	
E. 401686.797			0	2.001	124.700	150			
N. 394772.071									
SCS3.1X			1	2.001	124.450	150		JUNCTION	
E. 401663.624			0	2.002	124.450	150			
N. 394791.124									

NETWORK 2 - CENTRAL CATCHMENT

Manhole Number	Cover Level	Connections	Pipe				Manhole Size	Types	
Coordinates	Depth To Invert		Code	Inverts	Diams			Manhole	Cover
S2.01	125.480		0	2.000	124.130	150	200	G	D400
E. 401615.490	1.350								
N. 394858.035									
S2.02	123.988		1	2.000	122.560	150	1500 (CP1)	B	D400
E. 401564.636	1.428		0	2.001	122.560	4x150			
N. 394813.737									
S2.03	123.801		1	2.003	122.400	4x150	1500 (CP1)	B	D400
E. 401552.429	1.401		0	2.004	122.400	4x150			
N. 394822.042									
S2.04	123.686		1	2.006	122.240	4x150	1500 (CP1)	B	D400
E. 401541.164	1.446		0	2.007	122.240	4x150			
N. 394831.869									
S2.05	123.623		1	2.009	122.070	4x150	1500 (CP1)	B	D400
E. 401531.540	1.553		0	2.010	122.070	4x150			
N. 394844.440									
S2.06	123.515		1	2.012	121.900	4x150	1500 (CP1)	B	D400
E. 401520.445	1.615		0	2.013	121.900	4x150			
N. 394857.938									
S2.07	123.476		1	2.015	121.790	3x150	1500 (CP1)	B	D400
E. 401510.789	1.686		0	2.016	121.790	3x300			
N. 394862.106									
S2.08	123.481		1	2.016	121.690	3x300	1500 (FC1)	B	D400
E. 401505.748	1.791		0	2.017	121.690	3x375			
N. 394857.625									
S2.09	123.500		1	2.017	121.600	3x375	PETROL INTERCEPTOR	B	D400
E. 401502.574	2.000		0	2.018	121.500	3x300			
N. 394861.359									
S2.10	123.517		1	2.018	121.400	3x300	1200 (NRV)		D400
E. 401498.993	2.217		2	1.000	121.300	300			
N. 394865.104			0	1.001	121.400	300			
S2.11	123.572		1	1.001	121.300	300	1200	B	D400
E. 401489.999	2.272		0	1.002	121.300	300			
N. 394872.614									
S2.12	123.655		0	3.000	122.010	3x150	1500 (CP1)	B	D400
E. 401504.287	1.645								
N. 394875.352									
S2.13	124.320		0	4.000	122.970	150	200	G	D400
E. 401557.642	1.350								
N. 394907.069									
S2.14	123.778		1	4.000	122.400	150	1200 (CP1)	B	D400
E. 401530.158	1.378		0	4.001	122.400	150			
N. 394878.979									
SCS2.1A			1	2.001	122.520	4x150		JUNCTION	
E. 401563.231			0	2.002	122.520	4x150			
N. 394815.351									
SCS2.1X			1	2.002	122.450	4x150		JUNCTION	
E. 401553.835			0	2.003	122.450	4x150			
N. 394820.428									

NETWORK 2 - CENTRAL CATCHMENT

Manhole Number	Cover Level	Connections	Pipe				Manhole Size	Types	
Coordinates	Depth To Invert		Code	Inverts	Diams			Manhole	Cover
SCS2.2A			1	2.004	122.360	4x150		JUNCTION	
E. 401550.676			0	2.005	122.360	4x150			
N. 394824.055									
SCS2.2X			1	2.005	122.290	4x150		JUNCTION	
E. 401542.570			0	2.006	122.290	4x150			
N. 394830.256									
SCS2.3A			1	2.007	122.190	4x150		JUNCTION	
E. 401539.417			0	2.008	122.190	4x150			
N. 394833.875									
SCS2.3X			1	2.008	122.120	4x150		JUNCTION	
E. 401532.945			0	2.009	122.120	4x150			
N. 394842.826									
SCS2.4A			1	2.010	122.020	4x150		JUNCTION	
E. 401530.012			0	2.011	122.020	4x150			
N. 394846.193									
SCS2.4X			1	2.011	121.950	4x150		JUNCTION	
E. 401521.850			0	2.012	121.950	4x150			
N. 394856.324									
SCS2.5A			1	2.013	121.850	4x150		JUNCTION	
E. 401516.678			0	2.014	121.850	4x150			
N. 394862.262									
SCS2.5B			1	3.000	121.890	3x150		JUNCTION	
E. 401510.861			0	3.001	121.890	3x150			
N. 394867.805									
SCS2.5C			1	4.001	122.350	150		JUNCTION	
E. 401527.791			0	4.002	122.350	150			
N. 394876.916									
SCS2.5X			1	2.014	121.840	4x150		JUNCTION	
E. 401512.718			2	4.002	122.140	150			
N. 394863.887			3	3.001	121.840	3x150			
			0	2.015	121.840	3x150			

PRELIMINARY DRAWING

THIS DRAWING IS FOR PRELIMINARY INFORMATION PURPOSES ONLY AND MUST NOT BE READ AS A CONSTRUCTION ISSUE. IT INDICATES DESIGN INTENT ONLY AND IS SUBJECT TO AMENDMENT DURING FINAL DESIGN DEVELOPMENT

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE FULL CIVIL PACK OF DRAWINGS FOR THIS PROJECT, INCLUDING:
   - PROPOSED DRAINAGE STRATEGY (8.2819-CCL-ZZ-00-DR-C-4011 TO 4013)
   - PROPOSED DRAINAGE CONSTRUCTION DETAILS (2.9856-CCL-XX-00-DR-C-4151 TO 415X)
2. MANHOLE TYPES ARE TO SEWERS FOR ADOPTION REFERENCES WITH THE BRACKETED ABBREVIATION PROVIDED BELOW NOTING SPECIAL CHARACTERISTICS FOR THAT PARTICULAR CHAMBER (I.E. FLOW CONTROL, CATCHPIT). REFER TO THE MANHOLE TYPE & CHARACTERISTICS TABLE ABOVE
3. RODDING EYES COORDINATES ARE FOR THE ACCESS COVER WITH THE STATED INVERT LEVEL BEING THE LEVEL AFTER THE INITIAL 1:1 FALL.
4. ACCESS COVERS LOAD CLASS STATED IS THE MINIMUM COVER REQUIRED.

MANHOLE TYPE & CHARACTERISTICS TABLE

MANHOLE TYPES	
TYPE	DESCRIPTION
A	PCC RINGS, DEPTH TO INVERT 3.0 - 6.0m
B	PCC RINGS, DEPTH TO INVERT 1.5 - 3.0m
C1	PCC RINGS, DEPTH TO INVERT 1.0 - 1.5m
C2	RECTANGULAR (BRICK OR PCC UNITS), DEPTH TO INVERT 1.0 - 1.5m
D	RECTANGULAR (BRICK OR PCC UNITS), DEPTH TO INVERT <1.0m
E1	RECTANGULAR (BRICK OR PCC UNITS), DEPTH TO INVERT <3.0m
E2	PLASTIC RINGS, DEPTH TO INVERT <3.0m (450mmØ)
F	PLASTIC RINGS, DEPTH TO INVERT <2.0m (180mmØ)
G	RODDING EYE
MANHOLE CHARACTERSTICS	
ABRV.	DESCRIPTION
CP1	CATCHPIT CONSTRUCTED OF PCC RINGS
CP2	CATCHPIT CONSTRUCTED OF PLASTIC RINGS
FC1	FLOW CONTROL - HYDROBRAKE
FC2	FLOW CONTROL - ORIFICE PLATE
FC3	FLOW CONTROL - COMBINED HYDROBRAKE + ORIFICE PLATE

PCC = PRE-CAST CONCRETE

Rev	Date	Description	By	Check	App.
P01	04/05/23	FIRST ISSUE	PL	PL	

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DRAWINGS, DETAILS AND SPECIFICATION FROM THE ARCHITECT, CIVIL/STRUCTURAL ENGINEER AND GEN SPECIALIST. COPYRIGHT OF THIS DRAWING IS VESTED IN CLANCY CONSULTING. IT SHALL NOT BE ISSUED WITHOUT PERMISSION BY ANYONE FOR ANY PURPOSE. DO NOT SCALE THIS DRAWING ELECTRONICALLY OR MANUALLY. WORK TO FIGURED DIMENSIONS ONLY. ALL DIMENSIONS IN mm UNLESS ALL LEVELS IN m A.O.D UNO. IF IN DOUBT ABOUT THE INFORMATION SHOWN ON THIS DRAWING OR ANY RELATED DRAWING - ASK

Client: CARPENTERS LTD

Project: CARPENTERS, GLOSSOP

Office: LONDON - 020 3077 0970

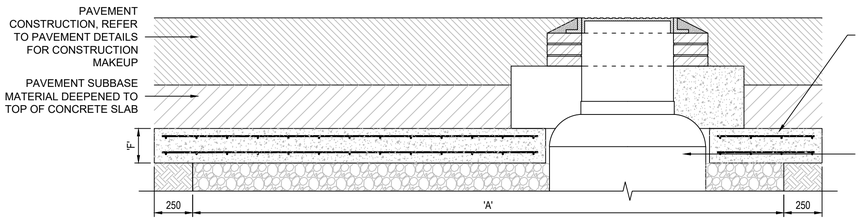
Title: PROPOSED MANHOLE SCHEDULE

Scale @ A1: NTS | Status: PRELIMINARY

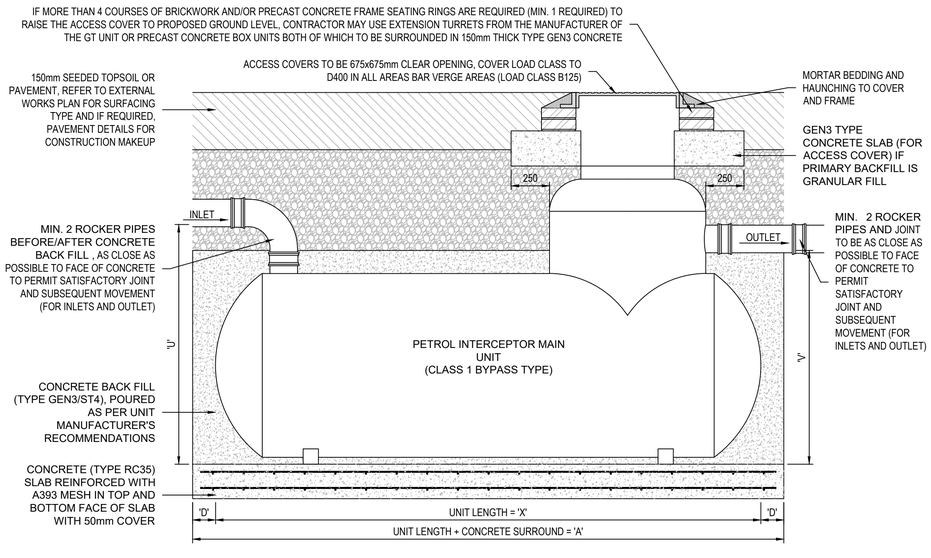
clancy consulting
www.clancy.co.uk

Project Ref	Originator	Volume	Level
8.2819	CCL	ZZ	XX
File Type	**Discipline**	**Drawing No.**	**Revision**
DR	C	4075	P1

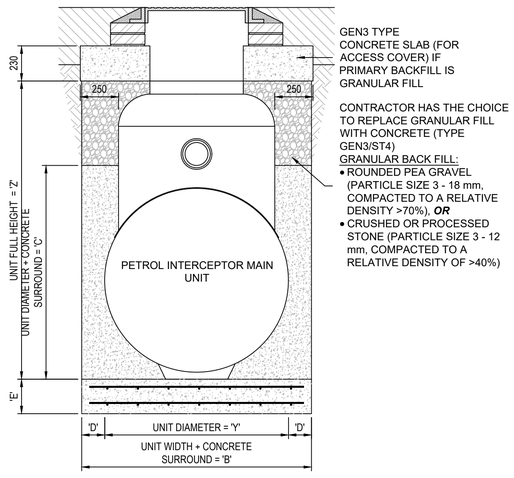
Date of Print = May 11 2023. File Name = 8.2819-CCL-ZZ-00-DR-C-4075_LIVE_Proposed Manhole Schedule.dwg



REINFORCED COVER SLAB IN VEHICULAR AREAS WHERE COVER DEPTH OVER PI MAIN UNIT IS LESS THAN 0.9m



SIDE ELEVATION



END (OUTLET) ELEVATION

PETROL INTERCEPTOR TABLE

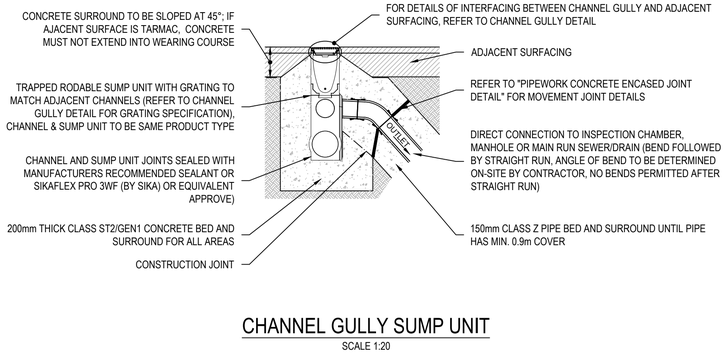
CCL REF.	MANUFACTURER	PRODUCT REF.	PI DESIGN CRITERIA		UNIT DIMENSIONS (mm)					CONCRETE SURROUND AND SLAB (mm)						PIPE SIZES (mm)	
			CATCHMENT AREA (m^2)	MAX. FLOW VELOCITY (l/s)	LENGTH (X)	DIA. (Y)	HEIGHT (Z)	INLET IL TO BASE (U)	OUTLET IL TO BASE (V)	CONCRETE SURROUND (D)	LENGTH (A)	WIDTH (B)	HEIGHT (C)	BASE SLAB (E)	COVER SLAB (F)	INLET Ø	OUTLET Ø
S1.03	PEMIER TECH	CNS15S/11	598	5.6	3,070	1,500	2,175	1,781	1,731	230	3,530	1,960	1,730	250	250	150	150
S2.09	PREMIER TECH	CNS230S/11	11,714	84.5	16,140	2,500	3,361	2,730	2,680	230	16,600	2,930	2,730	300	250	300	300
S3.03	PREMIER TECH	CNS30S/11	1,535	5.0	4,250	1,800	2,610	2,030	1,980	230	4,710	2,230	2,030	250	250	150	150

ROCKER PIPE TABLE

NOMINAL PIPE Ø (mm)	MAX. EFFECTIVE LENGTH (mm)
< 600	600
601 - 750	1000
> 750	1250

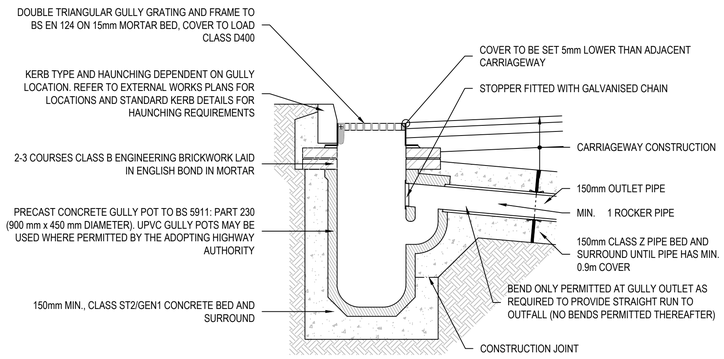
MANHOLE DIAMETERS TABLE

NOMINAL INTERNAL Ø OF LARGEST PIPE IN MANHOLE (mm)	MIN. NOMINAL INTERNAL ø OF MANHOLE (mm)
< 375	1200
375 - 450	1350
500 - 700	1500
750 - 900	1800
> 900	PIPE Φ + 900

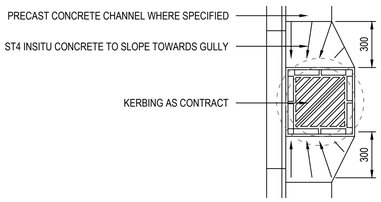


CHANNEL GULLY SUMP UNIT

SCALE 1:20



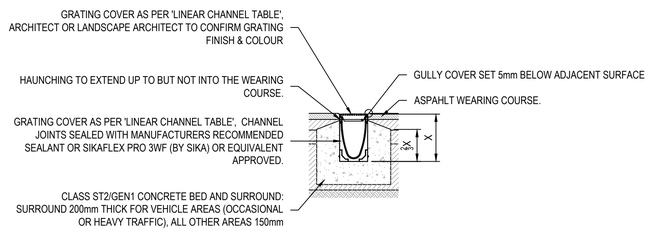
SECTIONAL VIEW



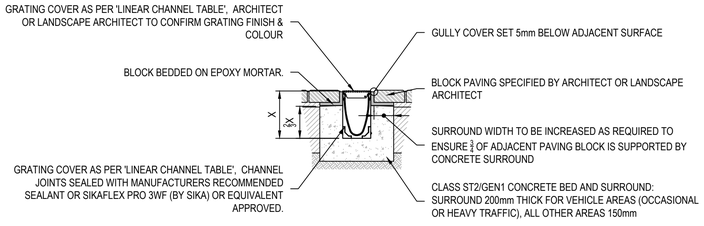
PLAN VIEW WHERE CONCRETE CHANNEL BLOCKS ARE REQUIRED

ROAD GULLY

SCALE 1:20



CHANNEL GULLY IN ASPHALT SURFACING



CHANNEL GULLY IN BLOCK PAVING SURFACING

LINEAR CHANNEL TABLE

CHANNEL No.	MANUFACTURER	CHANNEL		CHANNEL COVER		
		DEPTH (mm)	PRODUCT REF.	LOADING CLASS	PRODUCT REF.	FEATURES
T1-A	ACO	166	'S' RANGE, S100 S010	D400	HEELGUARD DUCTILE IRON GRATING, POWDER COATED PAINT	-
T1-B	ACO	166	'S' RANGE, S100 S010	D400	SLOTTED DUCTILE IRON GRATING, POWDER COATED PAINT	-
T2-A	ACO	195	'S' RANGE, S150 S1501	D400	HEELGUARD DUCTILE IRON GRATING, POWDER COATED PAINT	-
T2-B	ACO	195	'S' RANGE, S150 S1501	D400	SLOTTED DUCTILE IRON GRATING, POWDER COATED PAINT	-

CHANNEL GULLY

SCALE 1:20

PRELIMINARY DRAWING

THIS DRAWING IS FOR PRELIMINARY INFORMATION PURPOSES ONLY AND MUST NOT BE READ AS A CONSTRUCTION ISSUE. IT INDICATES DESIGN INTENT ONLY AND IS SUBJECT TO AMENDMENT DURING FINAL DESIGN DEVELOPMENT

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER ENGINEER'S AND ARCHITECT'S DRAWINGS, DETAILS & SPECIFICATIONS.
2. LOCATION OF DRAINAGE ASSETS PROVIDED ON DRAINAGE PLANS 4.8711-CCL-ZZ-00-DR-C-4010 TO 4016.
3. DRAINAGE GENERAL NOTES PROVIDED ON DRAWING 4.8711-CCL-ZZ-00-DR-C-4150.
4. ALL SPECIALIST PRODUCTS TO BE INSTALLED AS PER MANUFACTURER'S REQUIREMENTS. WHERE THERE IS A CONFLICT BETWEEN CLANCY'S DRAWINGS OR SPECIFICATIONS AND MANUFACTURER'S INSTRUCTIONS, THE CONTRACTOR SHALL CONFIRM WITH CLANCY WHICH IS TO TAKE PRECEDENCE.

Rev	Date	Description	By	Check	App.
P02	11/05/23	TABLES COMPLETED	PL	PL	
P01	04/05/23	FIRST ISSUE	PL	PL	

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DRAWINGS, DETAILS AND SPECIFICATION FROM THE ARCHITECT, OTHER RELEVANT ENGINEERS AND ANY SPECIALIST SUPPLIER INFORMATION. THE COPYRIGHT OF THIS DRAWING IS VESTED IN CLANCY CONSULTING. IT SHALL NOT BE USED WITHOUT PERMISSION BY ANYONE FOR ANY PURPOSE. DO NOT SCALE THIS DRAWING ELECTRONICALLY OR MANUALLY. WORK TO FIGURED DIMENSIONS ONLY. ALL DIMENSIONS IN mm UNO. ALL LEVELS IN m A.O.D.UNO. IF IN DOUBT ABOUT THE INFORMATION SHOWN ON THIS DRAWING OR ANY RELATED DRAWING - ASK

Client: MOTABILITY

Project: COALVILLESITE REMODELLING NEW WORKSHOP

Office: LONDON - 020 3077 0970

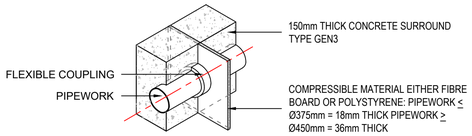
Title: PROPOSED DRAINAGE DETALS SHEET 3

Scale @ A1: 1:500 | Status: PRELIMINARY

clancy consulting
www.clancy.co.uk

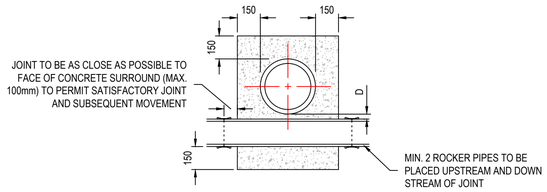
Project Ref	Originator	Volume	Level
4.8711	CCL	ZZ	XX
File Type	Discipline	Drawing No.	Revision
DR	C	4153	P2

Date of Print = May-17-2023, File Name = 4.2761-CCL-ZZ-XX-DR-C-4153-XX2_Proposed Drainage Details.dwg



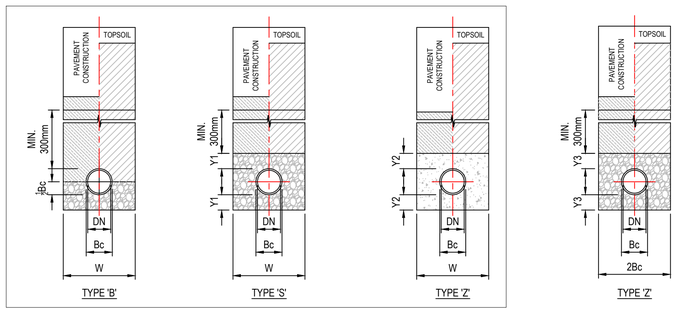
PIPEWORK ENCASED IN CONCRETE JOINT DETAIL

SCALE 1:20



PIPEWORK CROSSING IN CLOSE PROXIMITY

SCALE 1:20



RIGID PIPES

FLEXIBLE PIPES

HATCHING LEGEND:

- SELECTED AS-DUG MATERIAL (MAX. AGGREGATE SIZE 40mm)
- TYPE 1 GRANULAR MATERIAL TO SHW CLAUSE 803
- GRANULAR MATERIAL, REFER TO GRANULAR FILL TABLE FOR DETAILS
- GEN1 CONCRETE (18mm COMPRESSIBLE BOARDS TO BE INSERTED AT ALL PIPE JOINTS).

DIMENSIONS LEGEND:

DN = PIPE INSIDE DIAMETER
Bc = PIPE OUTSIDE DIAMETER (BARREL)
W = TRENCH WIDTH (SEE TABLE 1)
Y1 = 1/6Bc OR MIN. 100mm ALONG BARRELS & 50mm AT SOCKETS
Y2 = 1/4DN OR MIN. 100mm ALONG BARRELS & 50mm AT SOCKETS
Y3 = 100mm ALONG BARRELS & SOCKETS

TRENCH WIDTH & GRANULAR FILL TABLE:

PIPE SIZE (DN)	TRENCH WIDTH (W)		GRANULAR FILL SINGLE STONE SIZE
	PIPE TYPE: A, B	PIPE TYPE: C	
100	450	450	10mm NOMINAL SIZE
150	500	500	10, 14mm NOMINAL SIZE
225 - 300	800	700	10, 14, 20mm NOMINAL SIZE
375 - 450	1050	1050	
525 - 675	1650	1400	
750 - 900	2520	2050	
1050 - 1200	2900	x	
1350 - 1500	3600	x	
1600 - 1800	4400	x	

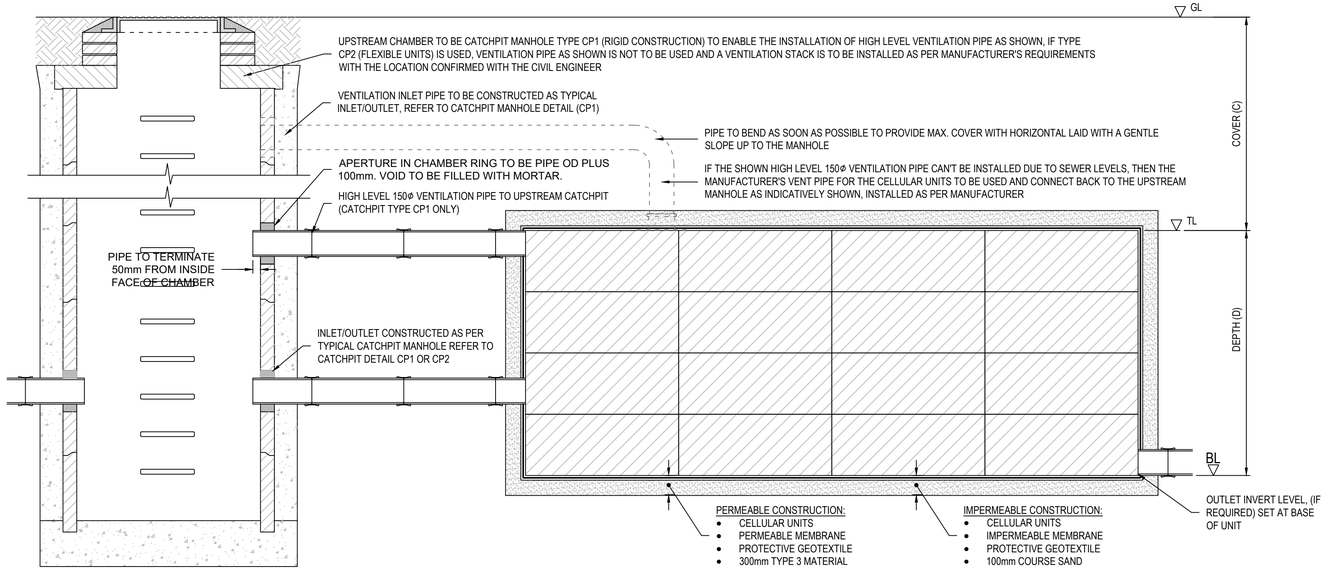
PIPE TYPE A - PLASTIC PIPEWORK
PIPE TYPE B - CLAYWARE PIPEWORK
PIPE TYPE C - CONCRETE PIPEWORK
ALL DIMENSIONS ARE IN mm

BEDDING LOCATION & DEPTH TABLE

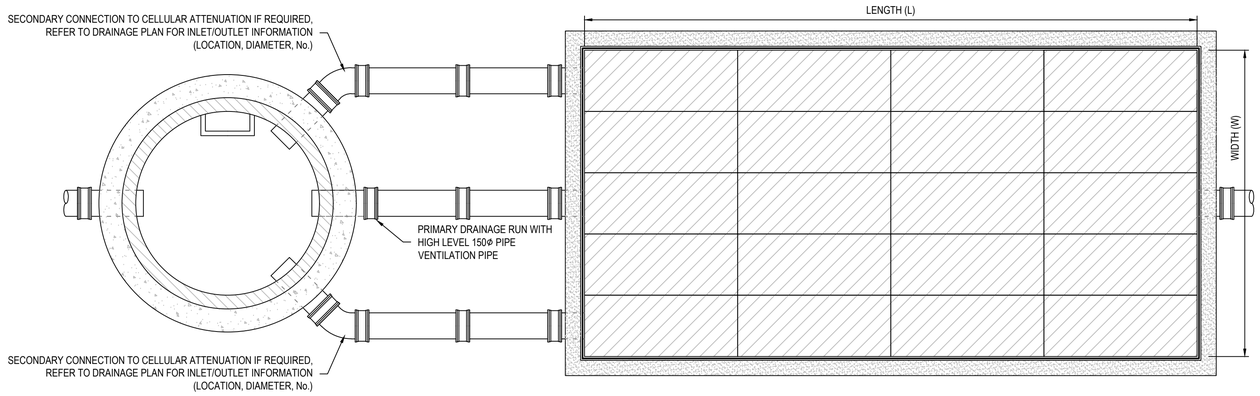
	PIPE BEDDING TYPE & LOCATION	MIN. DEPTH (mm)
B	- LOCATED UNDER BUILDINGS (REFER TO PIPEWORK UNDER BUILDING DETAILS FOR MIN. DEPTH) - NONADOPTABLE DRAINAGE LOCATED WITHIN VERGE AREAS NOT SUBJECTED TO VEHICLE LOADS (TO BE USED ONLY AT SPECIFIED LOCATIONS, REFER TO DRAINAGE PLANS & AREAS)	- TBC
S	- LOCATED UNDER BUILDINGS (REFER TO PIPEWORK UNDER BUILDING DETAILS FOR MIN. DEPTH) - LOCATED WITHIN PAVED AREAS SUBJECTED TO VEHICLE LOADS - LOCATED WITHIN PAVED AREAS NOT SUBJECTED TO VEHICLE LOADS (ADOPTABLE / PRIVATE)	- 1200 900 / 600
Z	- LOCATED UNDER BUILDINGS (REFER TO PIPEWORK UNDER BUILDING DETAILS FOR MIN. DEPTH) - LOCATED WITHIN PAVED AREAS SUBJECTED TO VEHICLE LOADS - LOCATED WITHIN PAVED AREAS NOT SUBJECTED TO VEHICLE LOADS	- 500 500

PIPE BEDDING

SCALE 1:20



SECTIONAL VIEW



PLAN VIEW

CELLULAR UNITS COVER DEPTHS & LOADINGS

UNIT TYPE	SIZE	COVER	MIN. & MAX.* COVER LOCATION / LOADING TYPE L1	V1	V2	V3	V4
AUQUACELL ECO	ALL SINGLE UNITS 1.0x0.4m (LxWxDEPTH)	MIN.	0.50				
		MAX A.W.T.	1.53	N/A	N/A	N/A	N/A
		MAX. B.W.T.	N/A				
AUQUACELL CORE		MIN.	0.50	0.50	0.75		
		MAX A.W.T.	2.53	2.53	2.53	N/A	N/A
		MAX. B.W.T.	1.99	1.99	1.99		
AUQUACELL PRIME		MIN.	0.30	0.71	0.71	0.71	
		MAX A.W.T.	1.98	1.73	1.73	1.73	N/A
		MAX. B.W.T.	1.78	1.60	1.60	1.60	
AUQUACELL PLUS		MIN.	0.50	0.50	0.75	0.75	1.30
		MAX A.W.T.	3.21	3.21	3.21	3.21	2.96
		MAX. B.W.T.	1.99	1.99	1.99	1.99	2.24

TABLE DEFINITIONS:
*MAX COVER BASED ON SOIL TYPE BEING CLAY. MAX. DEPTH MAY BE INCREASED DEPENDANT ON SOIL TYPES USED AS BACKFILL. SEE MANUFACTURER RECOMMENDATIONS

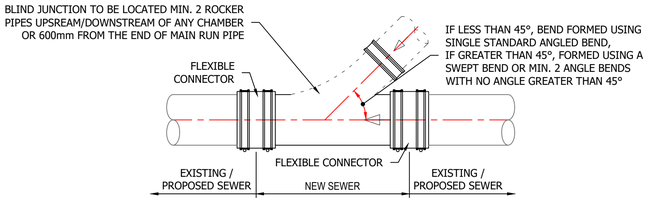
L1 = LANDSCAPING WITH NO VEHICLE LOADING IN EXCESS OF DRIVE-ON MOWERS
V1 = CAR PARK WITH VEHICLE MASS <3,000kg GVW
V2 = CAR PARK WITH OCCASIONAL VEHICLE MASS <9,000kg GVW
V3 = CAR PARK WITH OCCASIONAL VEHICLE MASS <12,000kg; LIGHT ACCESS ROADS
V4 = CAR PARK WITH OCCASIONAL VEHICLE MASS <60,000kg GVW; ROADS <15mph
MAX. A.W.T. = BASE OF UNITS ABOVE WATER TABLE
MAX. B.W.T. = BASE OF UNITS BELOW WATER TABLE

CELLULAR ATTENUATION

SCALE 1:20

CELLULAR ATTENUATION TABLE

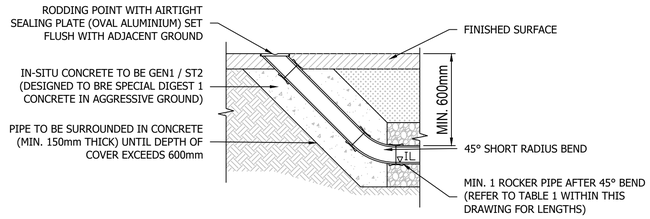
REF	DIMENSIONS (m) LENGTH 'L'	WIDTH 'W'	DEPTH 'D'	LEVEL (mAOD) BASE 'BL'	TOP 'TL'	GROUND 'GL'	COVER (mm) 'C'	INFILTRATION RATE	No. OF OUTLETS
CS1.1	8.0	1.0	0.8	121.990	122.790	123.850	1060	N	1
CS2.1	10.0	7.0	0.8	122.450	123.250	123.800	550	N	3
CS2.2	10.0	7.0	0.8	122.360	123.160	123.690	530	N	3
CS2.3	11.0	3.0	0.8	122.120	122.920	123.620	700	N	3
CS2.4	13.0	3.0	0.8	121.950	122.750	123.520	770	N	3
CS2.5	20.0	8.0	0.8	121.840	122.640	123.462	822	N	3
CS3.1-1	10.0	2.0	0.8	124.450	125.250	126.350	1100	N	1
CS3.1-2	24.0	1.5	0.8	124.533	125.333	126.350	1017	N	1



PLAN VIEW

BLIND JUNCTIO CONNECTION

SCALE 1:20



RODDING EYE

SCALE 1:20

THIS DRAWING IS FOR PRELIMINARY INFORMATION PURPOSES ONLY AND MUST NOT BE READ AS A CONSTRUCTION ISSUE. IT INDICATES DESIGN INTENT ONLY AND IS SUBJECT TO AMENDMENT DURING FINAL DESIGN DEVELOPMENT

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER ENGINEER'S AND ARCHITECT'S DRAWINGS, DETAILS & SPECIFICATIONS.
2. LOCATION OF DRAINAGE ASSETS PROVIDED ON DRAINAGE PLANS 4.8711-CCL-ZZ-00-DR-C-4010 TO 4016.
3. DRAINAGE GENERAL NOTES PROVIDED ON DRAWING 4.8711-CCL-ZZ-00-DR-C-4150.
4. ALL SPECIALIST PRODUCTS TO BE INSTALLED AS PER MANUFACTURER'S REQUIREMENTS. WHERE THERE IS A CONFLICT BETWEEN CLANCY'S DRAWINGS OR SPECIFICATIONS AND MANUFACTURER'S INSTRUCTIONS, THE CONTRACTOR SHALL CONFIRM WITH CLANCY WHICH IS TO TAKE PRECEDENCE.

Rev	Date	Description	By	Check	App.
P02	11/05/23	TABLES COMPLETED	PL	PL	
P01	04/05/23	FIRST ISSUE	PL	PL	

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DRAWINGS, DETAILS AND SPECIFICATION FROM THE ARCHITECT, OTHER RELEVANT ENGINEERS AND ANY SPECIALIST SUPPLIER INFORMATION. THE COPYRIGHT OF THIS DRAWING IS VESTED IN CLANCY CONSULTING. IT SHALL NOT BE USED WITHOUT PERMISSION BY ANYONE FOR ANY PURPOSE. DO NOT SCALE THIS DRAWING ELECTRONICALLY OR MANUALLY. WORK TO FIGURED DIMENSIONS ONLY. ALL DIMENSIONS IN mm UNO. ALL LEVELS IN m A.O.D.(N). IF IN DOUBT ABOUT THE INFORMATION SHOWN ON THIS DRAWING OR ANY RELATED DRAWING - ASK.

Client: MOTABILITY

Project: COALVILLESITE REMODELLING NEW WORKSHOP

Office: LONDON - 020 3077 0970

Title: PROPOSED DRAINAGE DETALS SHEET 2

Scale @ A1: 1:500 | Status: PRELIMINARY

clancy consulting
www.clancy.co.uk

Project Ref	Originator	Volume	Level
4.8711	CCL	ZZ	XX
File Type	Discipline	Drawing No.	Revision
DR	C	4152	P2