



**SUBJECT TO PLANNING
APPROVAL**

NOTES

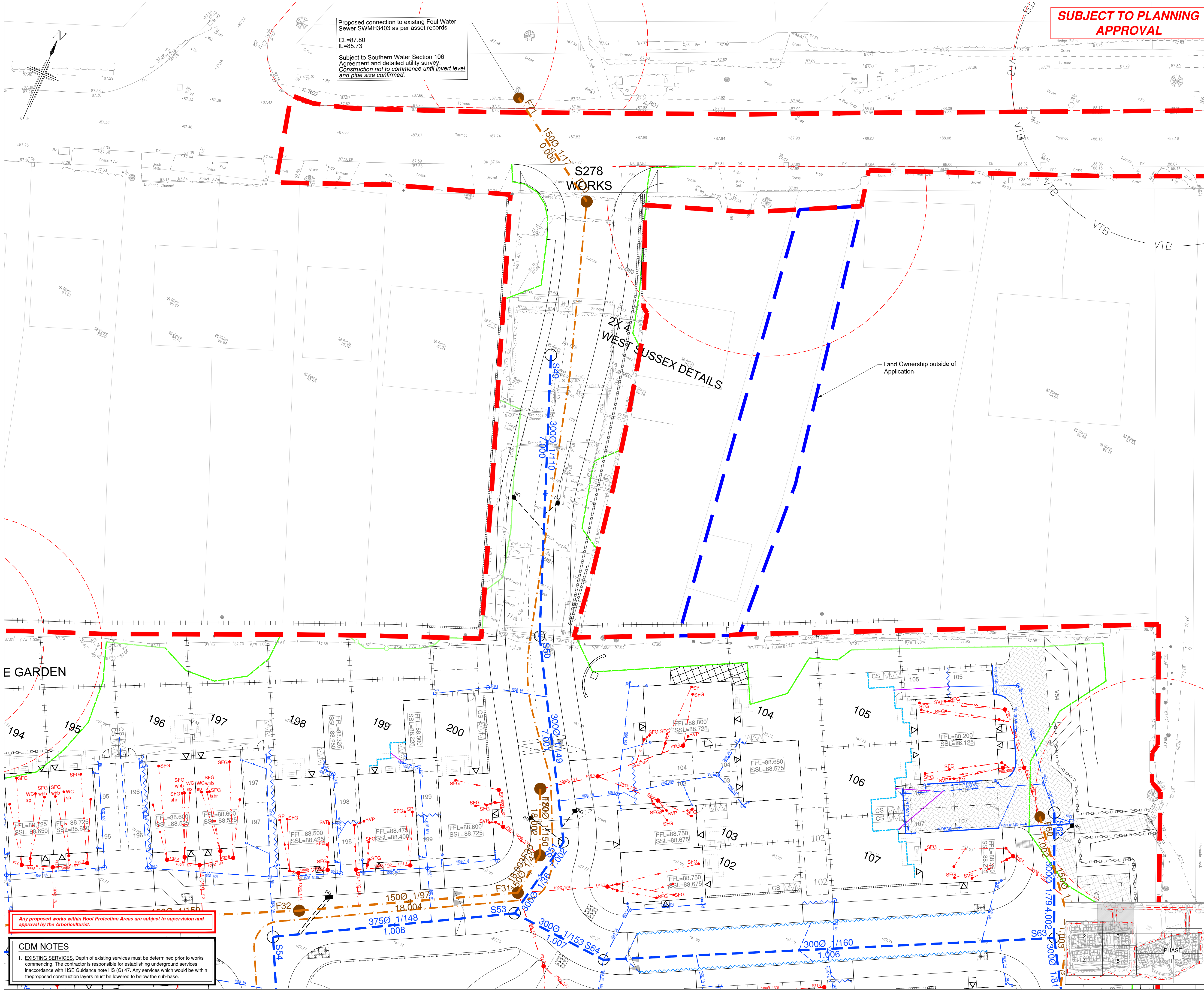
1. All dimensions are in metres unless stated otherwise.
2. Do not scale from this drawing. Only written dimensions are to be used.
3. F/W & SW lines shown in this drawing are to be constructed in accordance with the Building Regulations & BS8001 & SSG Appendix C Design and Construction Guidance Approved 2 dated 29 June 2022 and the specific requirements of ICOSA.
4. Drains are to be constructed using heavy duty polypropylene pipes to BS EN 205-1991 'Super Strength' specification (e.g. Hargrett Superstrength or equivalent) or uPVC drainage approved to BS4566 & BS4564, installed in accordance with manufacturers instructions.
5. Location of sewers & water pipes to be in accordance with the SSG Appendix C Design and Construction Guidance Approved 2 dated June 2022 and the specific requirements of ICOSA.
6. Backfilling of drains involves approval to dwelling or other structures to be in accordance with BS8001-Fig. 9.
7. Cover levels indicated on this drawing shall be maintained & may be adjusted to suit finished ground levels as necessary.
8. Generally inspection chamber covers should be Grade D400 in trafficked areas Grade B125 in parking areas and occasional traffic and A15 in pedestrian areas.
9. Rainwater downpipes to be connected direct to drain using an appropriate adaptor & removable section of downpipe to permit rodding access.
10. The position of DOWP, sub-chambers, WC outlets, flush inlet gullies etc. & manhole overflows are to be accurately located from the house type working drawings.
11. Generally F/W drains are to be laid to fall of 1 in 40. SW drains are to be laid to fall of 1 in 60, both in 100mm diameter pipes. SW pipes are to be 150mm diameter when serving 2 or more FWP connections. F/W pipes are to be 150mm diameter when serving 10 dwellings or more unless stated otherwise, or where a schedule is provided.
12. 100mm F/W Drains are to be laid to minimum fall of 1 in 80 and 150mm F/W Drains are to be laid to minimum fall of 1 in 150.
13. Gullies situated in areas accessible to wheeled vehicles to be of suitable construction for trafficked areas.
14. Where drain is situated on the Architect's details, connect to nearest SW pipes.
15. Where catchpits have been shown in rear gardens connecting to front drains, 100mm PPRC catchpit to be used.
16. Where catchpits have been shown in rear gardens connecting to front drains, 100mm PPRC catchpit to be used.
17. Site layout shown in this drawing is based on Buyer Proposed Site Plan, drawing number PLN-3-1101, rev. A issued to RCP in May 2024.
18. Phase 1 Architectural blocks based on RCP Substructure Plans, drawing number APCH-2-2000-04-DWG to APCH-2-2013-BN, dated 2011/02/04.
19. Phase 2 Architectural blocks based on RCP Substructure Plans, drawing number APCH-2-2000-04-DWG to APCH-2-2013-BN, dated 2011/02/04.
20. Phase 3 Architectural blocks based on RCP Substructure Plans, drawing number APCH-2-2000-04-DWG to APCH-2-2013-BN, dated 2011/02/04.
21. This drawing should be read in conjunction with other Domestic Drainage Layouts, Highway & Drainage Longitudinal Sections (CIV-1-4350 to CIV-1-4359 and CIV-1-4360 to CIV-1-4369, Section 104 Adopted Layer (TLC), Surface Water Drain and Foul Water Drain Mainline Schedules (CIV-1-4370 and CIV-1-4371, Section 104 Drainage Construction Details (CIV-1-4376 to CIV-1-4378 and Domestic Drainage Construction Details (CIV-1-4380 to CIV-1-4385).
22. Topographical Survey as per Contract, drawing number CSD-01-01 dated February 2023.
23. This drawing should be read in conjunction with other Domestic Drainage Layouts, Highway & Drainage Longitudinal Sections (CIV-1-4350 to CIV-1-4359 and CIV-1-4360 to CIV-1-4369, Section 104 Adopted Layer (TLC), Surface Water Drain and Foul Water Drain Mainline Schedules (CIV-1-4370 and CIV-1-4371, Section 104 Drainage Construction Details (CIV-1-4376 to CIV-1-4378 and Domestic Drainage Construction Details (CIV-1-4380 to CIV-1-4385).
24. Where buildings are less than 1.0m from domestic drainage, buildings to be accommodated with internal bedding.
25. Surface water from private areas is not to be discharged onto adoptable highway and vice versa.
26. All buildings shall have a crossfall to drain surface water into adjoining gardens.
27. All future private driveways, parking bays, etc. to be designed to fall surface water run-off away from S20 works. If not achievable, full with ACO drainage to be installed.
28. **ANY VARIANCE OR DISCREPANCY MUST BE REPORTED BACK TO RCP ENGINEERING BEFORE WORK BEGINS.**

KEY

Site Boundary
Section 278 Works (under separate Design Pack)
F/L = Plot/Garage Finished Floor Level
S/L = Plot/Garage Structural Slab Level
Adoptable Surface Water Sewers (ICOSA)
Adoptable Foul Water Sewers (ICOSA)
Adoptable Pumping Foul Water Main (ICOSA)
Adoptable PCC Headwalls (ICOSA)
Adoptable (West Sussex Highways) Road Gully & 1500 Connection
Private Road Gully & Connection
Private Surface Water Domestic Drainage
Private Foul Water Domestic Drainage
House connection via 300mm dia. shallow access chamber not more than 600mm deep (based on floor make-up of 75mm screed, 250mm insulation & 150mm beam & block).
In the event that conditions on site result in maximum depth of 600mm being exceeded, then Type D chambers to be used.
Internal Foul Connections
Soil Vent Pipe
Soil Pipe
Soil Floor Gully
Water Closet Pipe
Rooding Eye
'Acu' Channel (show connecting pipe) or equivalent
Threshold Drain
Yard Gully and Connection
Filter Drain (show connecting pipe) with final 1.0m section of 100mm perforated uPVC pipe laid to normal fall prior to connection to Surface Water Drainage Network.
Bent perimeter Filter Drain refer to DWG CIV-1-4380 for detail
French drain with sump gully connection for permeable paving areas
Timber VRG with Protection Rail
600mm High Knee Railing at Attenuation Basins
Life Rings & Deep Water Signs at Attenuation Basins
Areas of 'No Dig' Road / Parking Bay / Footpath & Footway Construction
Permeable Block Paved Construction
Roof Protection Area (Based on Tree Protection Plan, drawing number 19948 TGP-01 received in .dwg from Barris Southern Counties 15/05/23)
6m Existing Surface Water Easement
Any proposed works within Root Protection Areas are subject to supervision and approval by the Arboriculturist.

TYPE	DEPTH RANGE	DESCRIPTION	LOCATION	CODE	COVER GRADE
D	Depth from cover level to outlet of pipe up to 2m	Min. 450mm diameter Flexible or Rigid access chamber (Non Entry) in areas subject to vehicle loading. If distance from cover level to outlet of pipe is in excess of 2m, then to be provided to 300mm Ø or 300mm x 300mm.	Road Drainway Garden	R D G	D400 B125 A15

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**SUBJECT TO PLANNING
APPROVAL**

Proposed connection to existing Foul Water
Sewer SWMH3403 as per asset records
CL=87.80
IL=85.73
Subject to Southern Water Section 106
Agreement and detailed utility survey.
Construction not to commence until invert level
and pipe size confirmed.

NOTES

- All dimensions are in metres unless stated otherwise.
- Do not scale from this drawing. Only written dimensions are to be used.
- Foul Water Sewer (FWS) is to be constructed in accordance with the Building Regulations & BS5931 & SSG Appendix C Design and Construction Guidance.
- Drains are to be constructed using best practice piped into the ground in accordance with the Building Regulations & BS5931 & SSG Appendix C Design and Construction Guidance.
- Location of sewers & lateral drains is to be in accordance with the SSG Appendix C Design and Construction Guidance.
- Backfilling of drains involves approval to dwelling or other structure to be in accordance with BS5931 Fig. 9.
- Cover levels indicated on this drawing are to be adjusted to suit finished ground levels as necessary.
- Generally inspection chamber covers should be to Grade D400 in trafficked areas Grade B125 in parking areas and occasional traffic and A15 in pedestrian areas.
- Rainwater downpipes to be connected direct to drain using an appropriate adaptor & removable section of downpipe to permit rodding access.
- The position of SVPs, sub-drains, WC outlets, flush inlet gullies etc. is to be accurately located from the house type working drawings.
- Generally FWS drains are to be laid to fall of 1 in 40, SW drains are to be laid to fall of 1 in 60, both in 100mm diameter pipes, SW pipes are to be 150mm diameter when serving 2 or more FWP connections, FWP pipes are to be 150mm diameter when serving 10 dwellings or more unless stated otherwise, or where a reduction is provided.
- 100mm FWP Drains are to be laid to minimum fall of 1 in 80 and 150mm FWP Drains are to be laid to minimum fall of 1 in 150.
- Gullies situated in areas accessible to wheeled vehicles to be of suitable construction for trafficked areas.
- Where land drains are identified on the Architect's details, connect the nearest SW pipes.
- Where catchpits have been shown in new gardens connecting to hard drains, 600mm PFC catchpits to be used.
- This drawing should be read in conjunction with the Architect's and Structural Engineer's design drawings and specifications.
- Site layout shown in this drawing is based on Buyer Proposed Site Plan, drawing number PLN3-1101, rev. X issued to RCP in .dwg format on 11/10/2024.
- Phase 1 Architectural Details based on RCP Substructure Plans, drawing number ARCH-2-2800-B4-DWG to ARCH-2-2813-B4, dated 22/11/2024.
- Phase 2 Architectural Details based on RCP Substructure Plans, drawing number ARCH-2-2800-B4-DWG to ARCH-2-2813-B4, dated 22/11/2024.
- Topographical Survey as per Contract, drawing number CAD204, dated February 2023.
- Phase 1 Architectural Details based on RCP Substructure Plans, drawing number ARCH-2-2800-B4-DWG to ARCH-2-2813-B4, dated 22/11/2024.
- Topographical Survey as per Contract, drawing number CAD204, dated February 2023.
- Phase 2 Architectural Details based on RCP Substructure Plans, drawing number ARCH-2-2800-B4-DWG to ARCH-2-2813-B4, dated 22/11/2024.
- Topographical Survey as per Contract, drawing number CAD204, dated February 2023.
- 104 Drainage Construction Details (CIV-1-4351 to CIV-1-4378) and Domestic Drainage Construction Details (CIV-1-4380 to CIV-1-4395).
- Surface water from private areas is not to be discharged onto adoptable highway and vice versa.
- All daylight drains shall have a crossfall to drain surface water into adjoining gardens.
- All future private driveways, parking bays, etc. to be designed to fall surface water run-off away from S278 works. If not achievable, full with ACO drainage to be installed.
- Any VARIANCE OR DISCREPANCY MUST BE REPORTED BACK TO RCP ENGINEERING BEFORE WORK BEGINS.**

TYPE	DEPTH RANGE	DESCRIPTION	LOCATION	CODE	COVER GRADE
D	Depth from cover	Min. 450mm diameter Flexible or Rigid access level to level in areas adjacent to vehicle loading. If distance from cover level to point of pipe is > 1m, access opening shall be provided to 300mm Ø or 300mm x 300mm.	Road	R	D400
			Driveway	D	B125
			Garden	G	A15

KEY

Site Boundary

Section 278 Works
(under separate Design Pack)

FFL = Plot/Garage Finished Floor Level
SSL = Plot/Garage Structural Slab Level

Adoptable Surface Water Sewers (ICOSA)

Adoptable Foul Water Sewers (ICOSA)

Adoptable Pumping Foul Water Main (ICOSA)

Adoptable PCC Headwalls (ICOSA)

Adoptable (West Sussex Highways) Road Gully & 1500 Connection

Private Road Gully & Connection

Private Surface Water Domestic Drainage

Private Foul Water Domestic Drainage

House connection via 300mm dia. shallow access chamber not more than 600mm deep (based on floor make-up of 75mm screed, 225mm insulation & 150mm beam & block).

In the event that conditions on site result in maximum depth of 600mm being exceeded, then Type D chambers to be used.

Internal Foul Connections

Soil Vent Pipe
Soil Pipe
Soil Floor Gully
Water Closet Pipe
Roofing Eye

Refer to Architects
Substructure Plans
for more details

SVP
SP
SFG
WC

Threshold Drain

Yard Gully and Connection

Filter Drain (showing connecting pipe) with final 1.0m section of 100mm perforated UPVC pipe laid to normal fall prior to connection to Surface Water Drainage Network.

French drain with sump gully connection for permeable paving areas

Timber VRG with Protection Rail

600mm High Knee Railing at Attenuation Basins

Life Rings & Deep Water Signs at Attenuation Basins

Areas of 'No Dig' Road / Parking Bay / Footpath & Footway Construction

Permeable Block Paved Construction

Roof Protection Area
(Based on Tree Protection Plan, drawing number 10948 TGP-01 received in .dwg from Barratts Southern Counties 15/05/23)

6m Existing Surface Water Easement

Any proposed works within Root Protection Areas are subject to supervision and approval by the Arboriculturalist.

SCALE BAR 1:200 at A1
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T01	13.12.24	Updated as per site / levels updates 04-12-24 to 09-12-24	BM	JC	LAD
Rev.	Date	Details	By	Chkd	Appd

Client:-

Site:-
**Crawley Down Rd
Felbridge,**

Drawing Title:-
**PHASE 2
DOMESTIC
DRAINAGE LAYOUT**

Sheet 1 of 5

Date: July 2023 Scales: 1:200 at A1
Drawn: MLM Checked: LAD Approved: TRS

RCP Project No.
E5086

Client Drawing No.
CIV-2-4351 T01

INITIAL TENDER ISSUE

SUBJECT TO ADOPTING AUTHORITY APPROVAL

CDM NOTES

1. EXISTING SERVICES. Depth of existing services must be determined prior to works commencing. The contractor is responsible for establishing underground services in accordance with HSE Guidance note HS (G) 47. Any services which would be within the proposed construction layers must be lowered to below the sub-base.

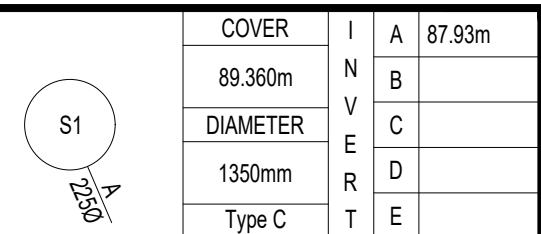
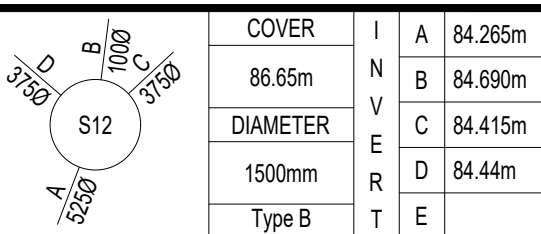
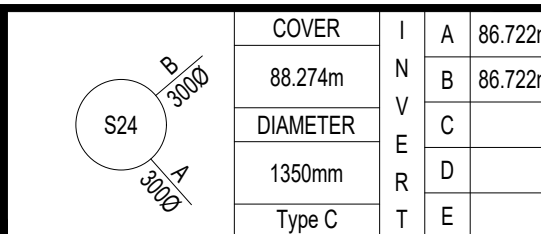
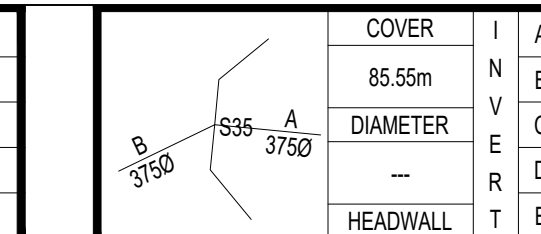
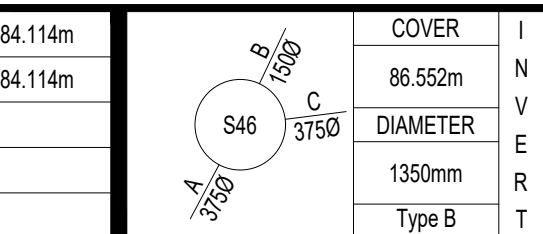
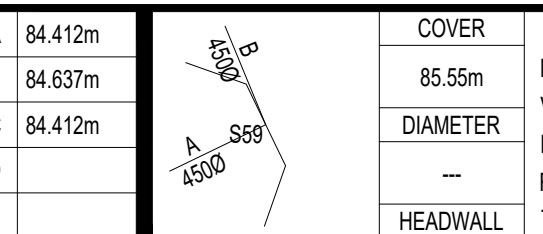
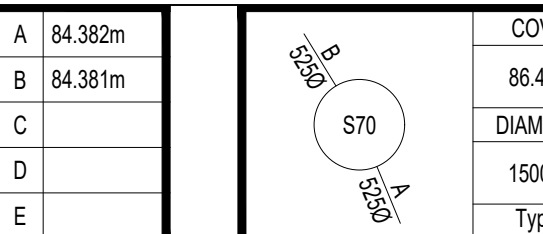
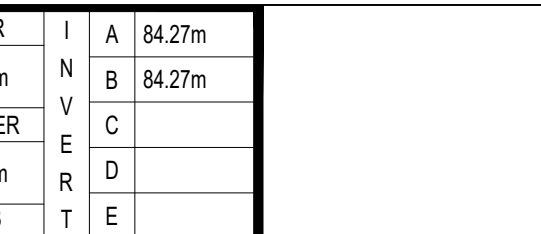
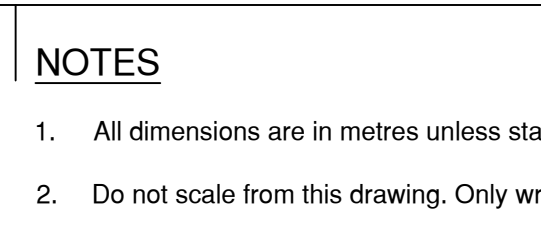
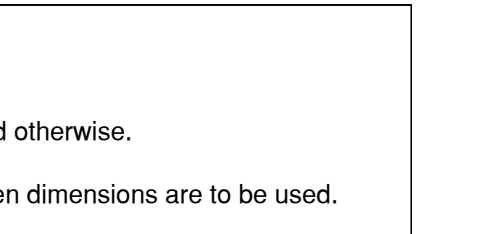
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	DIAMETER	V	C	86.545m		DIAMETER	N	V	
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	Type B	T	E			Type A	T	E	
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	1350mm	E	D			1350mm	R	D	
	Type B	T	E			Type C	T	E	
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	Type A	T	E			Type B	T	E	
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	Type A	T	E			Type B	T	E	
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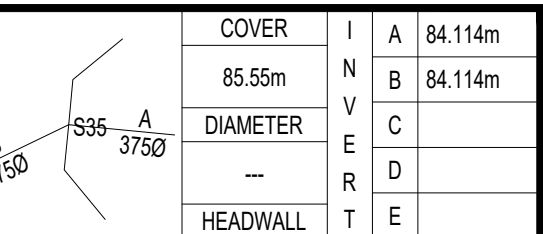
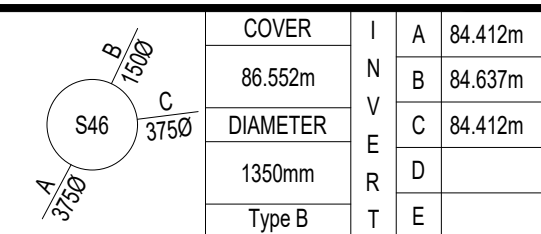
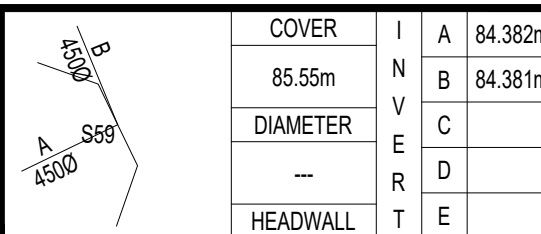
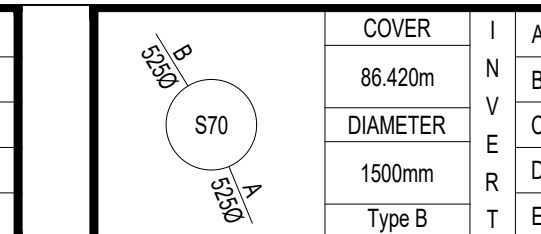
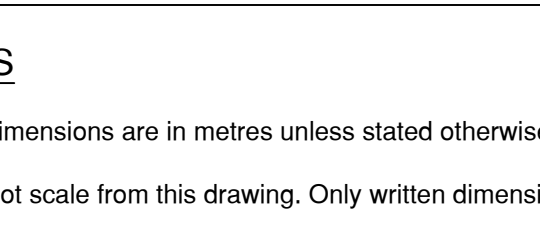
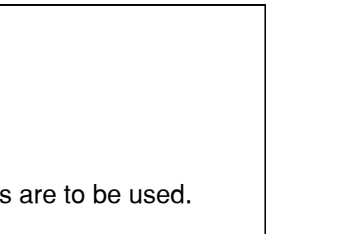
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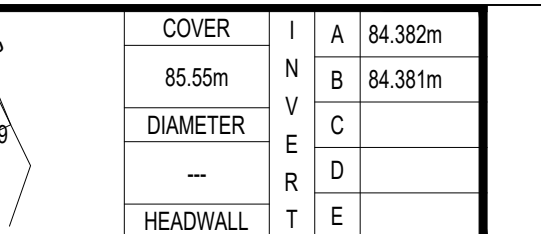
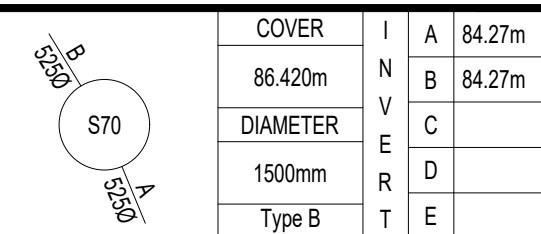
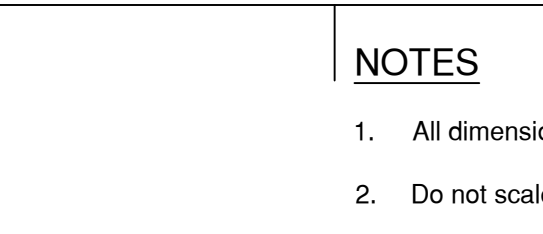
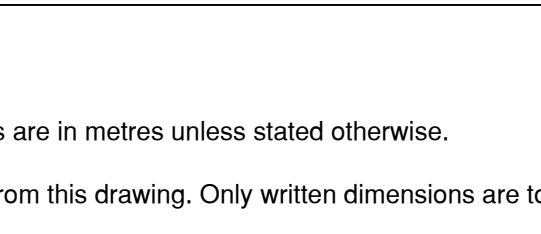
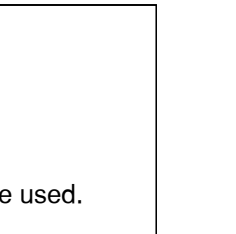
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	1200mm	R	D			1200mm	R	D	
	Type B	T	E			Type B	T	E	
	COVER	I	A	85.744m					
	DIAMETER	N	B	85.794m					
	DIAMETER	V	C	85.744m					
	1200mm	R	D						
	Type B	T	E						

MH No.	MANHOLE DIAMETER (mm)	MANHOLE TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)
S10.1	450	Type D	86.448	85.048	1.250	536665.596	139342.154
S10.2	450	Type D	86.274	85.124	1.000	536660.940	139344.735
S11.1	450	Type D	86.739	85.789	0.800	536662.209	139323.912
S11.2	450	Type D	86.559	85.359	1.050	536641.164	139367.608
S12.1	450	Type D	86.978	85.678	1.200	536616.491	139298.758
S12.2	450	Type E	86.891	85.841	0.900	536608.897	139305.396
S12.3	450	Type E	87.032	86.202	0.700	536615.740	139314.157
S15.1	450	Type E	87.693	87.693	1.000	536553.153	139322.828
S16.1	450	Type D	88.717	87.666	0.900	536554.597	139322.722
S16.2	450	Type E	88.669	87.839	0.730	536540.304	139317.619
S18.1	450	Type D	88.171	86.921	1.100	536599.877	139343.644
S18.2	450	Type E	87.971	87.121	0.700	536607.006	139352.442
S19.1	450	Type D	87.797	86.741	0.905	536605.139	139371.329
S19.2	450	Type D	87.961	86.611	1.200	536613.897	139360.975
S19.3	450	Type D	87.772	86.722	0.900	536620.941	139354.952
S19.4	450	Type D	88.004	87.008	0.846	536591.019	139355.232
S21.1	450	Type E	88.087	86.737	1.200	536577.121	139369.538
S21.2	450	Type D	88.182	86.932	1.100	536567.537	139383.038
S21.3	450	Type D	88.242	87.279	0.813	536575.196	139389.949
S22.1	450	Type D	88.935	87.865	0.819	536551.250	139341.641
S22.2	450	Type D	88.771	87.916	0.705	536551.875	139341.712
S23.1	450	Type D	88.476	87.376	0.950	536551.434	139335.947
S23.2	450	Type D	88.373	87.526	0.697	536506.439	139328.850
S24.1	450	Type D	88.173	87.223	0.800	536517.573	139318.039
S25.1	450	Type D	88.214	87.164	0.900	536501.973	139295.959
S25.2	450	Type D	88.256	87.356	0.750	536498.527	139300.443
S25.3	450	Type D	87.808	86.808	0.750	536519.432	139296.050
S25.4	450	Type E	87.879	87.079	0.650	536525.358	139304.801
S25.5	450	Type D	87.736	86.885	0.900	536513.393	139289.627
S25.6	450	Type D	87.919	87.066	0.703	536497.374	139277.105
S26.1	450	Type D	87.121	85.803	1.168	536545.860	139282.922
S26.2	450	Type E	87.043	86.093	0.800	536543.537	139287.272
S26.3	450	Type D	87.323	86.026	1.148	536554.536	139289.247
S26.4	450	Type D	87.178	86.328	0.700	536545.582	139291.086
S26.5	450	Type D	87.135	86.085	1.000	536493.635	139284.562
S26.6	450	Type D	87.201	86.351	0.700	536551.535	139273.637
S3.1	450	Type D	88.424	87.274	1.000	536568.133	139419.858
S3.2	450	Type D	88.208	87.057	1.000	536616.929	139422.958
S3.3	450	Type D	88.296	87.246	0.900	536628.429	139427.091
S30.1	450	Type D	88.177	87.127	0.900	536479.320	139316.035
S30.2	450	Type D	88.073	86.823	1.100	536467.990	139307.134
S30.3	450	Type D	87.721	86.471	1.100	536455.953	139297.869
S30.4	450	Type D	87.570	86.620	0.800	536461.784	139290.438
S33.1	450	Type D	87.175	86.125	0.900	536469.375	139281.335
S33.2	450	Type D	87.211	86.111	0.950	536468.671	139268.437
S33.3	450	Type D	87.074	86.224	0.700	536476.642	139275.178
S33.4	450	Type D	86.949	86.093	0.706	536482.809	139268.015
S33.5	450	Type D	86.968	85.718	1.000	536493.635	139254.562
S33.6	450	Type D	86.817	85.867	0.800	536490.574	139262.410
S34.1	450	Type D	86.814	85.664	1.000	536498.878	139241.678
S34.2	450	Type D	86.847	85.797	0.900	536489.785	139247.814
S36.1	450	Type D	87.846	86.696	1.000	536593.802	139320.499
S36.2	450	Type D	87.705	86.754	0.800	536600.324	139328.480
S37.1	450	Type D	88.226	87.176	0.900	536377.564	139269.713
S37.2	450	Type E	88.628	87.584	0.950	536362.532	139264.067
S37.3	450	Type D	88.513	87.413	0.850	536369.190	139254.547
S37.4	450	Type D	88.274	87.224	0.900	536381.446	139257.807
S38.1	450	Type D	87.981	86.908	0.923	536391.039	139275.587
S39.1	450	Type D	87.732	86.621	0.961	536411.048	139285.431
S4.1	450	Type D	88.414	86.920	1.344	536604.358	139407.049
S4.2	450	Type E	88.365	87.235	1.000	536602.489	139409.109
S4.3	450	Type D	88.103	86.995	1.008	536605.265	139402.839
S4.4	450	Type E	88.352	87.452	0.800	536596.707	139397.705
S4.6	450	Type D	88.164	87.064	0.950	536632.920	139418.335
S4.7	450	Type D	88.134	86.794	1.191	536622.994	139402.634
S4.8	450	Type D	88.088	87.002	0.936	536637.388	139409.918
S40.1	450	Type D	87.414	86.381	0.883	536471.175	139263.101
S40.2	450	Type D	87.256	86.106	1.000	536419.727	139254.444
S41.1	450	Type D	87.111	85.962	1.000	536422.944	139245.692
S41.3	450	Type D	86.960	85.810	1.000	536427.414	139236.470
S44.1	450	Type D	86.360	85.210	1.000	536410.688	139217.780
S45.1	450	Type D	86.281	85.131	1.000	536395.040	139213.656
S46.1	450	Type D	86.534	85.284	1.100	536375.366	139210.450
S46.2	450	Type E	86.504	85.663	0.691	536380.050	139210.871
S46.3	450	Type D	86.581	85.431	1.000	536382.186	139208.650
S5.1	450	Type E	88.205	87.053	1.050	536431.840	139244.433
S5.2	450	Type E	88.087	87.087	0.850	536610.219	139399.634
S5.3	450	Type D	88.094	86.944	1.000	536636.620	139397.572
S50.1	450	Type D	88.603	87.556	0.897	536335.795	139338.081
S50.2	450	Type D	88.626	87.676	0.800	536345.441	139344.644
S50.3	450	Type D	88.668	87.606	0.962	536317.292	139343.379
S53.1	450	Type E	88.360	87.267	0.944	536319.176	139321.641
S53.2	450	Type E	88.295	87.545	0.600	536313.698	139331.840
S54.1	450	Type D	88.336	87.086	1.100	536303.024	139313.497
S54.2	450	Type E	88.509	87.509	0.950	536289.760	139308.838
S54.3	450	Type D	88.310	87.210	0.950	536310.326	139317.121
S54.5	450	Type E	88.332	87.582	0.650	536305.003	139327.211
S55.1	450	Type E	88.162	86.690	1.320	536322.612	139261.261
S55.2	450	Type D	88.128	86.578	1.100	536314.916	139277.986
S56.1	450	Type D	88.553	87.343	1.059	536339.574	139244.930
S56.2	450	Type E	88.438	87.565	0.723	536342.990	139234.110
S6.1	450	Type E	88.071	86.771	1.150	536612.415	139381.658
S6.2	450	Type E	87.807	86.913	0.744	536606.241	139377.629
S6.3	450	Type D	87.704	86.754	0.800	536635.080	139382.011
S60.1	450	Type D	86.563	85.230	1.183	536310.351	139181.991
S60.2	450	Type D	86.509	85.410	0.949	536296.778	139175.983
S60.3	450	Type E	86.567	85.510	0.906	536294.483	139179.797
S61.1	450	Type D	88.698	87.548	1.000	536352.805	139249.147
S62.1	450	Type D	88.171	86.871	1.150	536330.158	139358.598
S62.2	450	Type D	88.165	87.015	0.900	536337.948	139367.758
S63.1	450	Type D	88.376	87.312	0.914	536354.307	139320.471
S63.3	450	Type D	88.603	87.500	0.963	536354.789	139327.002
S63.4	450	Type D	88.456	87.595	0.711	536356.020	139326.584
S63.5	450	Type D	88.472	87.792	0.530	536360.497	139290.121
S63.6	450	Type E	88.303	87.203	0.950	536367.669	139326.846
S64.1	450	Type D	88.536	87.736	0.650	536342.326	139326.419
S64.2	450	Type D	88.531	87.567	0.814	536342.789	139316.252
S64.3	450	Type D	88.667	87.666	0.850	536338.283	139313.312
S65.1	450	Type D	88.129	86.897	1.282	536393.812	139327.936
S65.3	450	Type D	88.223	86.873	1.200	536396.477	139318.690
S65.4	450	Type D	88.096	87.063	0.883	536385.881	139313.048
S65.5	450	Type D	88.198	86.848	1.200	536400.982	139312.567
S65.6	450	Type E	88.181	86.981	1.100	536400.716	139309.941
S65.7	450	Type E	88.101	87.138	0.813	536390.083	139320.476
S65.8	450	Type E	88.548	87.289	1.109	536375.238	139301.698
S66.2	450	Type D	88.496	87.456	0.800	536280.020	139294.584
S66.3	450	Type E	88.562	87.513	0.900	536285.214	139306.959
S66.4	450	Type D	88.504	87.369	0.985	536282.510	139290.661
S66.5	450	Type D	88.494	87.486	0.857	536289.737	139290.893
S66.6	450	Type D	88.513	87.571	0.792	536298.137	139282.367
S67.1	450	Type D	88.144	87.037	0.957	536242.607	139286.046
S67.2	450	Type D	87.757	86.417	1.190	536242.384	139257.099
S67.3	450	Type E	87.442	86.498	0.794	536234.375	139255.263
S67.4	450	Type D	87.769	86.719	0.900	536255.553	139263.715
S67.5	450	Type E	87.264	86.514	0.600	536243.624	139243.172
S67.6	450	Type E	87.672	86.822	0.700	536263.050	139252.394
S67.7	450	Type D	87.264	85.990	1.125	536254.386	139234.257
S67.8	450	Type E	87.037	86.154	0.733	536246.623	139231.033
S68.1	450	Type D	86.965	85.945	0.900	536270.333	139215.861
S68.3	450	Type D	86.828	85.579	1.100	536262.051	139211.416
S68.4	450	Type D	86.587	85.537	0.900	536246.245	139202.457
S68.5	450	Type D	86.411	85.361	0.900	536233.586	139195.205

MH No.	MANHOLE DIAMETER (mm)	MANHOLE TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)
S68.6	450	Type E	86.807	86.057	0.600	536246.274	139215.533
S68.7	450	Type E	86.554	85.655	0.799	536235.211	139209.731
S68.8	450	Type D	86.480	85.680	0.700	536215.553	139200.228
S7.1	450	Type D	87.484	86.429	0.905	536637.420	139369.494
S7.3	450	Type D	87.690	86.590	0.900	536650.673	139

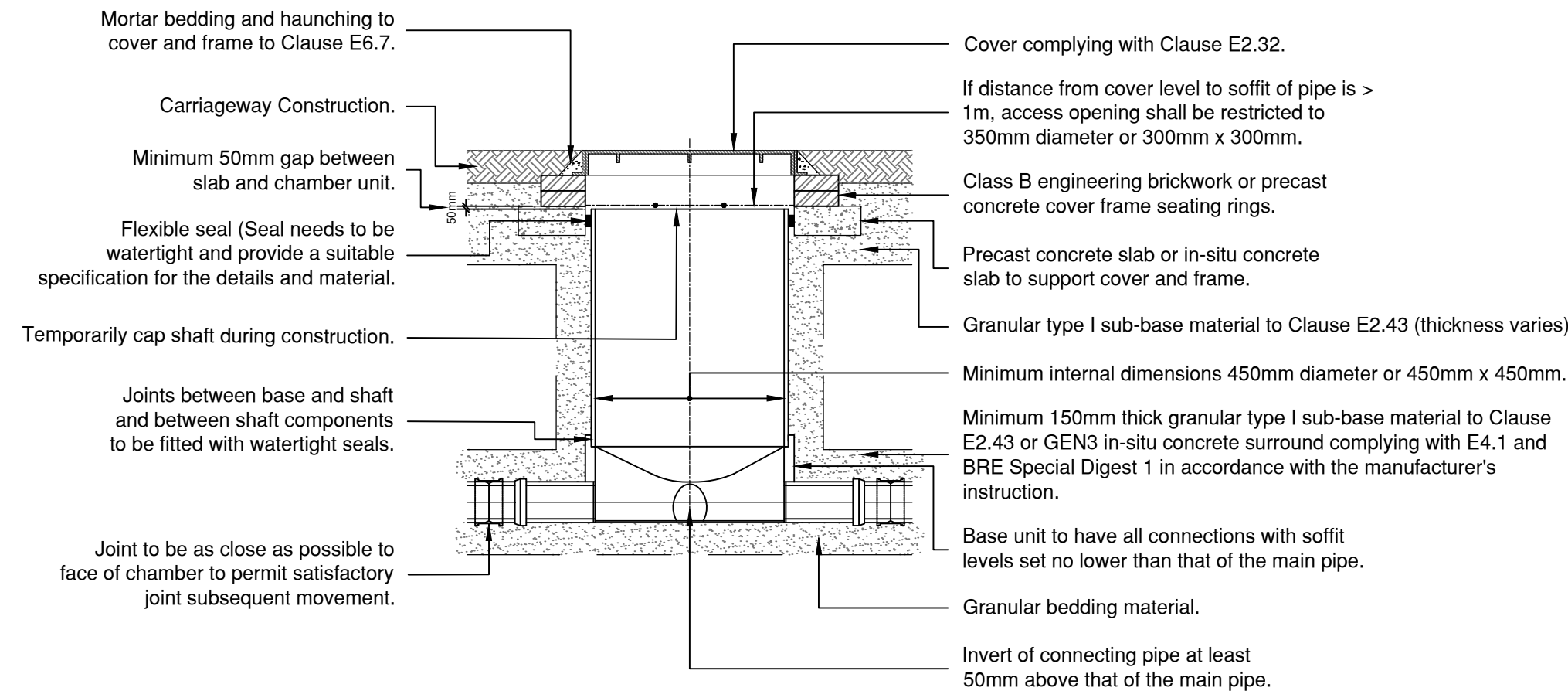
	COVER	I	A	87.93m
	89.360m	N	B	
	DIAMETER	V	C	
	150mm	R	E	
	Type C	T	E	
	COVER	I	A	87.305m
	88.800m	N	B	87.305m
	DIAMETER	V	C	
	150mm	R	D	
	Type C	T	E	
	COVER	I	A	86.925m
	88.492m	N	B	87.00m
	DIAMETER	V	C	
	150mm	R	D	
	Type C	T	E	
	COVER	I	A	86.67m
	88.266m	N	B	86.67m
	DIAMETER	V	C	86.62m
	150mm	R	D	
	Type C	T	E	
	COVER	I	A	86.541m
	88.032m	N	B	86.541m
	DIAMETER	V	C	86.741m
	150mm	R	D	
	Type C	T	E	
	COVER	I	A	86.16m
	87.879m	N	B	86.36m
	DIAMETER	V	C	86.16m
	150mm	R	D	
	Type C	T	E	
	COVER	I	A	85.818m
	87.319m	N	B	85.818m
	DIAMETER	V	C	85.968m
	150mm	R	D	
	Type C	T	E	
	COVER	I	A	85.524m
	87.022m	N	B	85.525m
	DIAMETER	V	C	
	150mm	R	D	
	Type C	T	E	
	COVER	I	A	84.92m
	86.609m	N	B	84.92m
	DIAMETER	V	C	
	150mm	R	D	
	Type C	T	E	
	COVER	I	A	84.66m
	86.220m	N	B	84.735m
	DIAMETER	V	C	84.885m
	150mm	R	D	
	Type C	T	E	
	COVER	I	A	84.58m
	86.410m	N	B	84.58m
	DIAMETER	V	C	84.805m
	150mm	R	D	
	Type C	T	E	

	COVER	I	A	84.265m
	86.85m	N	B	84.690m
	DIAMETER	V	C	84.415m
	150mm	R	D	84.44m
	Type B	T	E	
	COVER	I	A	84.175m
	85.55m	N	B	84.175m
	DIAMETER	V	C	
	150mm	R	D	
	Type C	T	E	
	COVER	I	A	86.01m
	88.055m	N	B	86.031m
	DIAMETER	V	C	86.01m
	1200mm	R	D	
	Type B	T	E	
	COVER	I	A	85.185m
	87.029m	N	B	85.335m
	DIAMETER	V	C	85.185m
	1200mm	R	D	85.335m
	Type B	T	E	
	COVER	I	A	84.114m
	85.55m	N	B	84.114m
	DIAMETER	V	C	
	150mm	R	D	
	Type B	T	E	
	COVER	I	A	84.114m
	85.55m	N	B	84.114m
	DIAMETER	V	C	
	150mm	R	D	
	Type B	T	E	
	COVER	I	A	84.114m
	85.55m	N	B	84.114m
	DIAMETER	V	C	
	150mm	R	D	
	Type B	T	E	
	COVER	I	A	84.114m
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	DIAMETER	V	C	
	150mm	R	D	
	Type B	T	E	

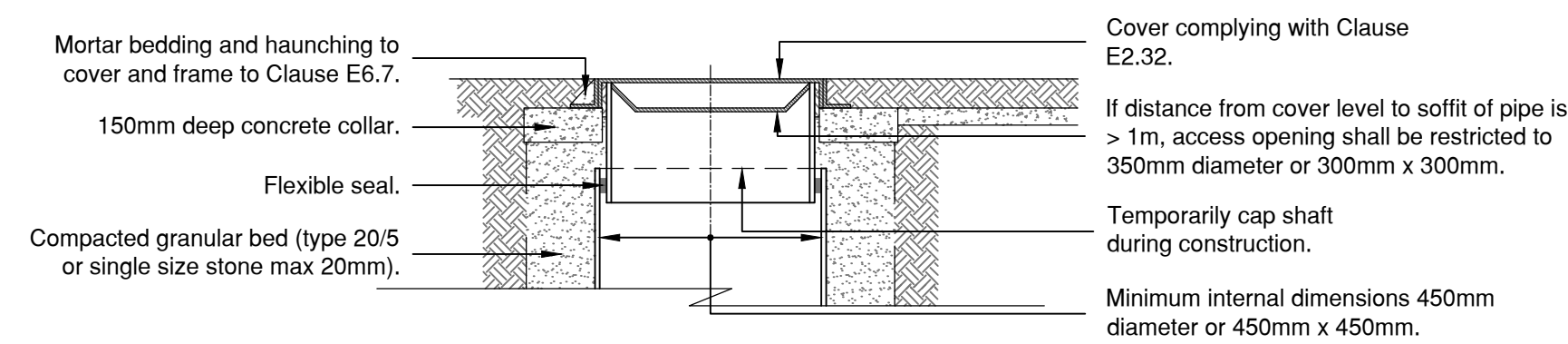
	COVER	I	A	84.114m
	85.55m	N	B	84.114m
	DIAMETER	V	C	
	150mm	R	D	
	Type B	T	E	
	COVER	I	A	84.114m
	85.55m	N	B	84.114m
	DIAMETER	V	C	
	150mm	R	D	
	Type B	T	E	
	COVER	I	A	84.114m
	85.55m	N	B	84.114m
	DIAMETER	V	C	
	150mm	R	D	
	Type B	T	E	
	COVER	I	A	84.114m
	85.55m	N	B	84.114m
	DIAMETER	V	C	
	150mm	R	D	
	Type B	T	E	
	COVER	I	A	84.114m
	85.55m	N	B	84.114m
	DIAMETER	V	C	
	150mm	R	D	
	Type B	T	E	
	COVER	I	A	84.114m
	85.55m	N	B	84.114m
	DIAMETER	V	C	
	150mm	R	D	
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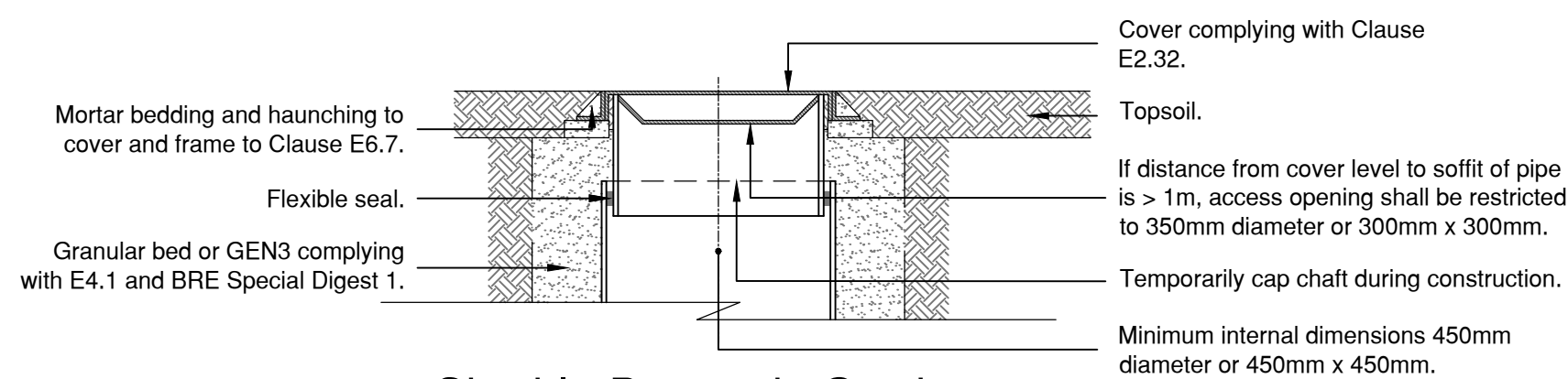
500mm SUMP IN PLACE OF BENCHED BASE



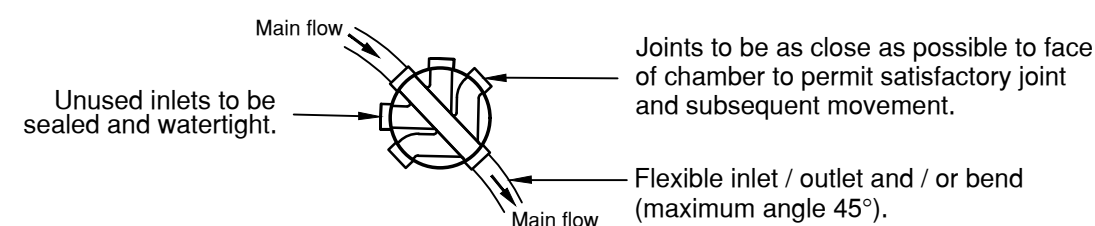
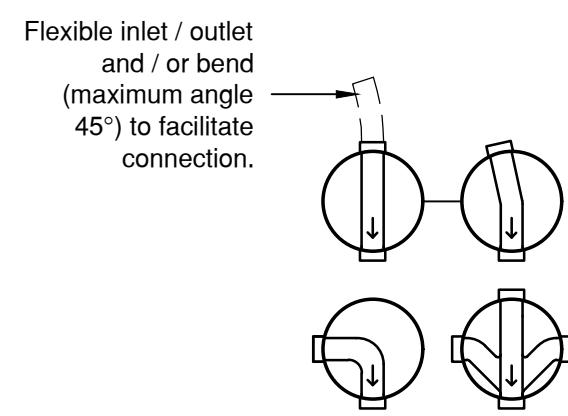
Flexible material construction for use in areas subject to vehicle loading



Construction Guidance v2.2

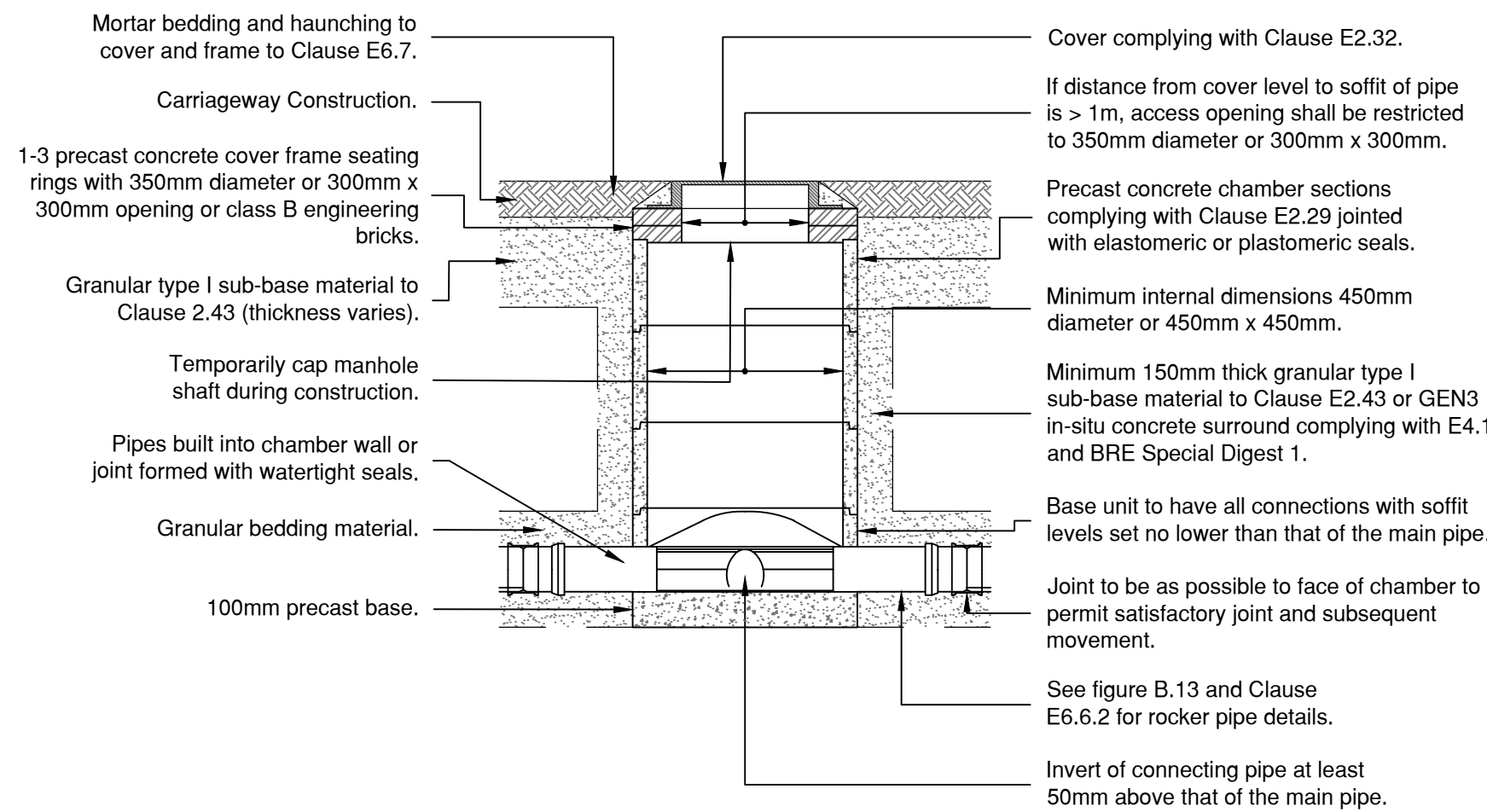


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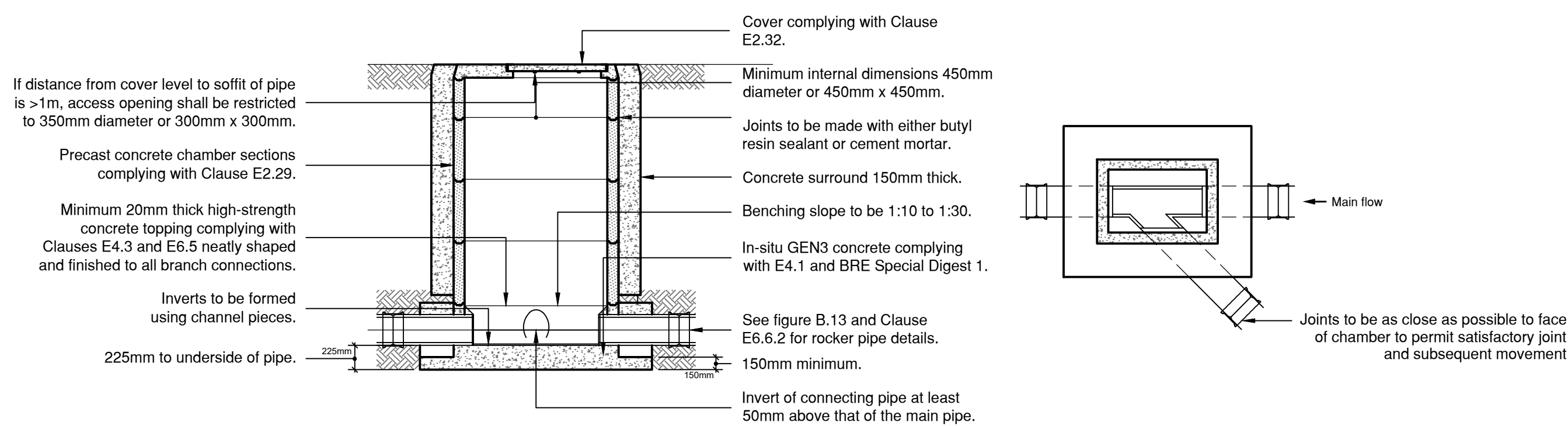


Where chambers are positioned on 90° corners, always use the main channel by fitting a 45° bend on the inlet and outlet.

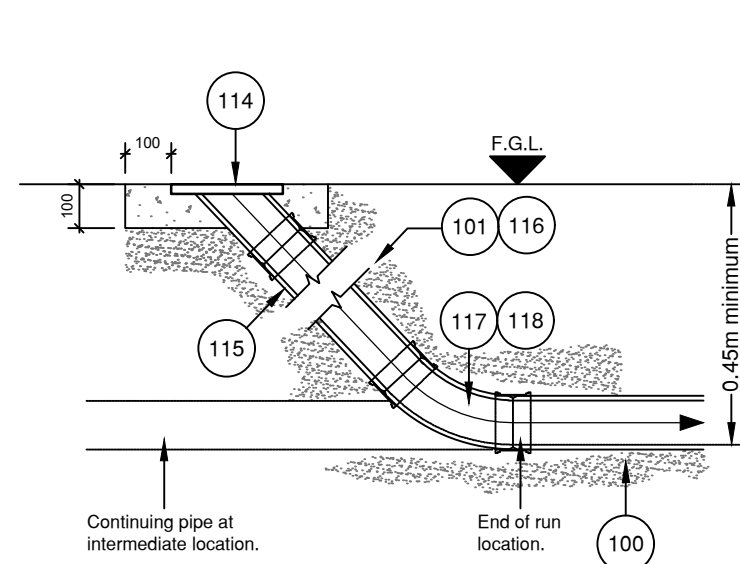
Construction Guidance v2.2



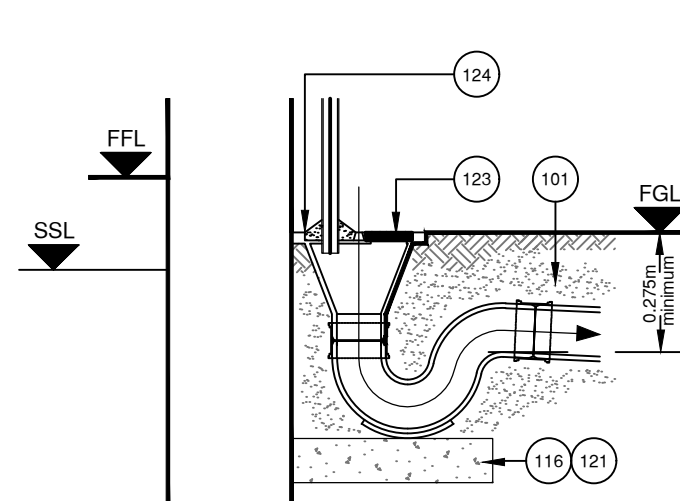
Rigid material construction for use in areas subject to vehicle loading



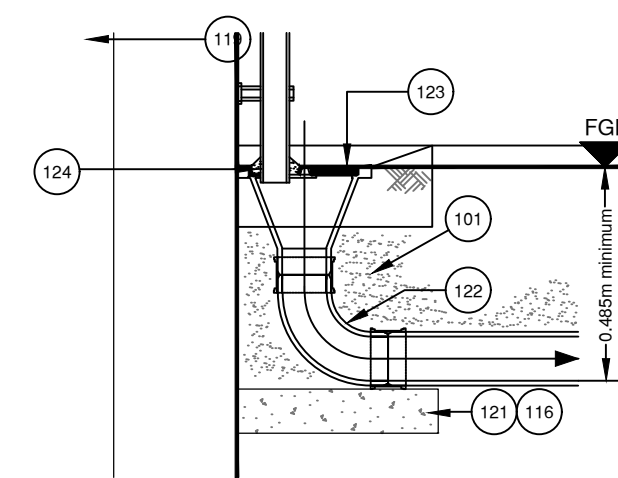
Rigid material construction for use in areas subject to vehicle loading or landscaped areas



100 or 150mm dia. connections.

[illegible]

Round or square polypropylene or vitrified clay gully
300mm diameter x 600mm invert depth.
100 or 150mm dia. connection.



Round or square polypropylene or vitrified clay gully
300mm diameter x 600mm invert depth.
100 or 150mm dia. connection.

1. This drawing should be read in conjunction with other Domestic Drainage Construction Details, Foul & Surface Water Sewer Longitudinal Sections (CIV-1-4100 to 4108 & CIV-2-4100 to 4110), Foul & Surface Water Sewer Manhole Schedules (CIV-1-2-4310 to 4311) and Domestic Drainage Layouts (CIV-1-4351 to 4355 & CIV-2-4351 to 4355).
2. All dimensions are in millimetres unless stated otherwise.
3. Do not scale from this drawing. Only written dimensions are to be used.
4. All construction to be in accordance with SSG Appendix C Design and Construction Guidance Version 2.2 dated June 2022 and the specific requirements of Icosa Water.
5. Refer to geotechnical report for sulphate resisting class and ACEC class.
6. Insitu concrete generally to be GEN 4 Designated Mix.
7. Insitu reinforced concrete to be RC 35 Designated Mix only when specified.
8. All insitu concrete to be thoroughly compacted.
9. All covers to be stamped "FW" or "SW", as appropriate.
10. For Manufacturer and specification of pipes and fittings refer to drainage layout and schedule.
11. Drainage pipes and fittings to be Hepworth vitrified clay and PVCu or Wavin Osma PVCu or other equivalent approved. Refer to drainage layout and schedules for details of manufacturer and specification.
12. ***Outgoing pipes greater than 600mm diameter should be fitted with guard bars, safety chains (to BS EN 818-3) or other safety devices in accordance with the Icosa Water safety policy.***

The minimum depth of pipe cover to the crown of gravity pipes without protection should be as follows:

- domestic gardens and pathways without any possibility of vehicular access, 0,35m;
- domestic driveways, parking areas and yards with height restrictions to prevent entry by vehicles with a gross weight in excess of 7.5 tonnes, 0,5m;
- domestic driveways, parking areas and narrow streets without footways (e.g. new developments) with limited access for vehicles with a gross weight in excess of 7.5 tonnes, 0,9m;
- agricultural land and public open space, 0,9m;
- other highways and parking areas with unrestricted access to vehicles with a gross vehicle weight in excess of 7.5 tonnes, 1,2m.

**SUBJECT TO
PLANNING APPROVAL**

1. **EXISTING SERVICES.** Depth of existing services must be determined prior to works commencing. The contractor is responsible for establishing underground services in accordance with HSE Guidance note HS (G) 47. Any services which would be within the proposed construction layers must be lowered to below the sub-base.

[illegible]

Rev.	Date	Details	By	Chkd	Appo
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Client:- 

Site:- Crawley Down Rd Felbridge,	Drawing Title:- PHASE 1 AND PHASE 2 DOMESTIC DRAINAGE CONSTRUCTION DETAILS Sheet 1 of 2
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Date:	July 2023	Scales:	1:200 at A1
Drawn:	AD	Checked:	LAD
		Approved:	TRS

RCP Project No. E5086

Client Drawing No. _____

CIV-1-4360

INITIAL TENDER ISSUE

SUBJECT TO ADOPTING AUTHORITY APPROVAL

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