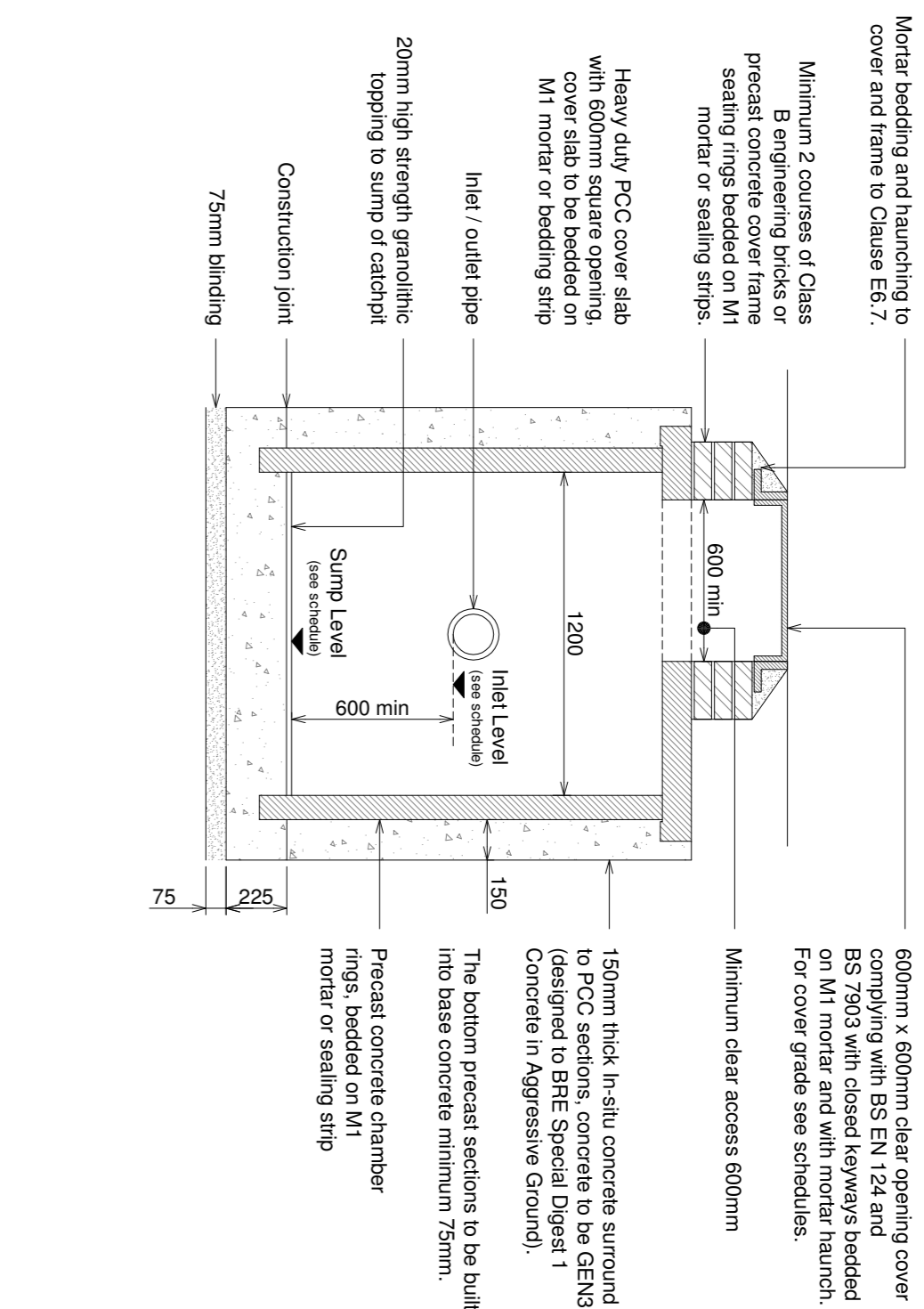


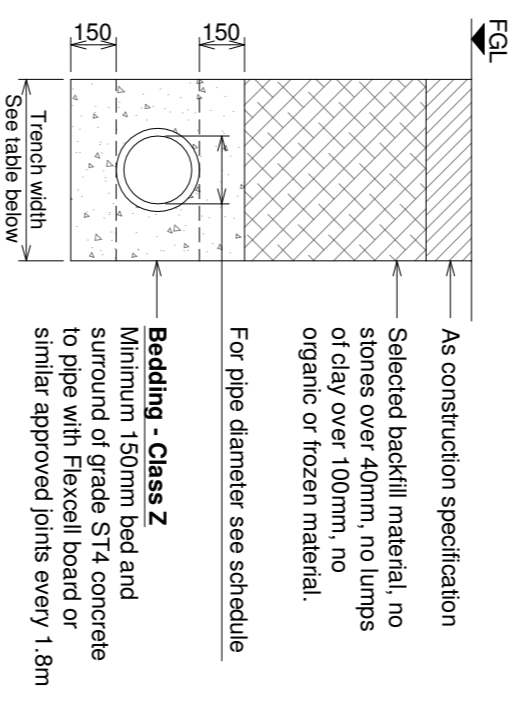
### Typical Type 2 Catch Pit Detail

Scale 1:25



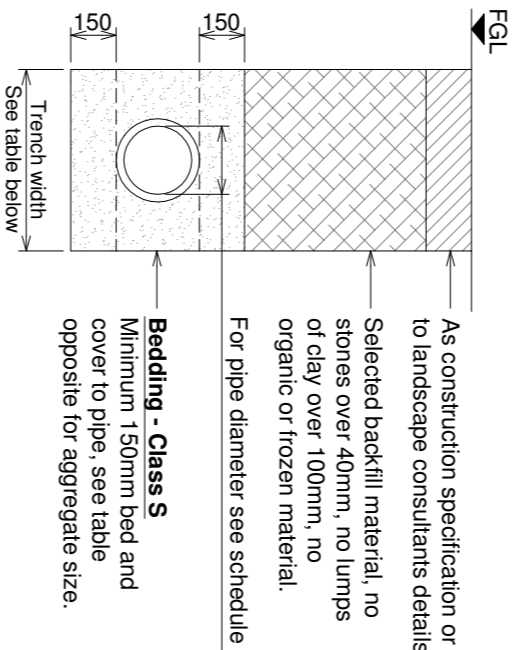
### Pipe Bedding - Class Z

Areas subject to vehicle loadings.  
Less than 1.2m cover to pipe.



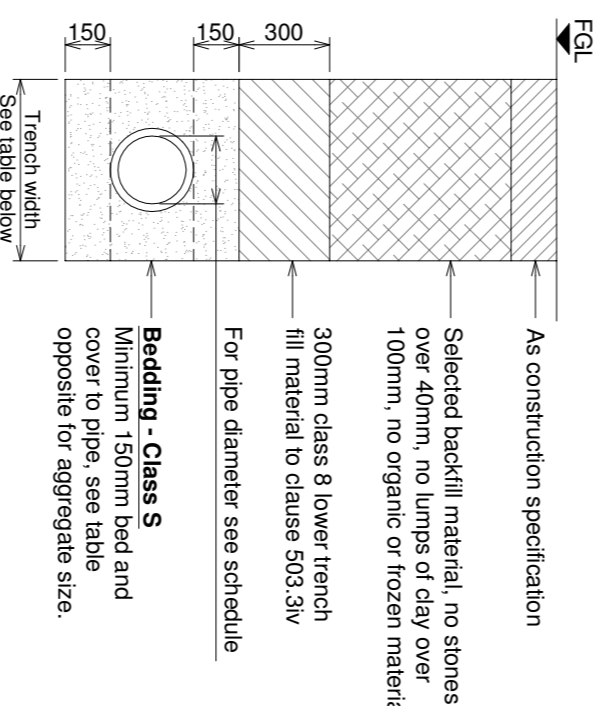
### Pipe Bedding - Class S

Areas not subject to vehicle loadings.  
Use in private gardens, landscaped areas etc.



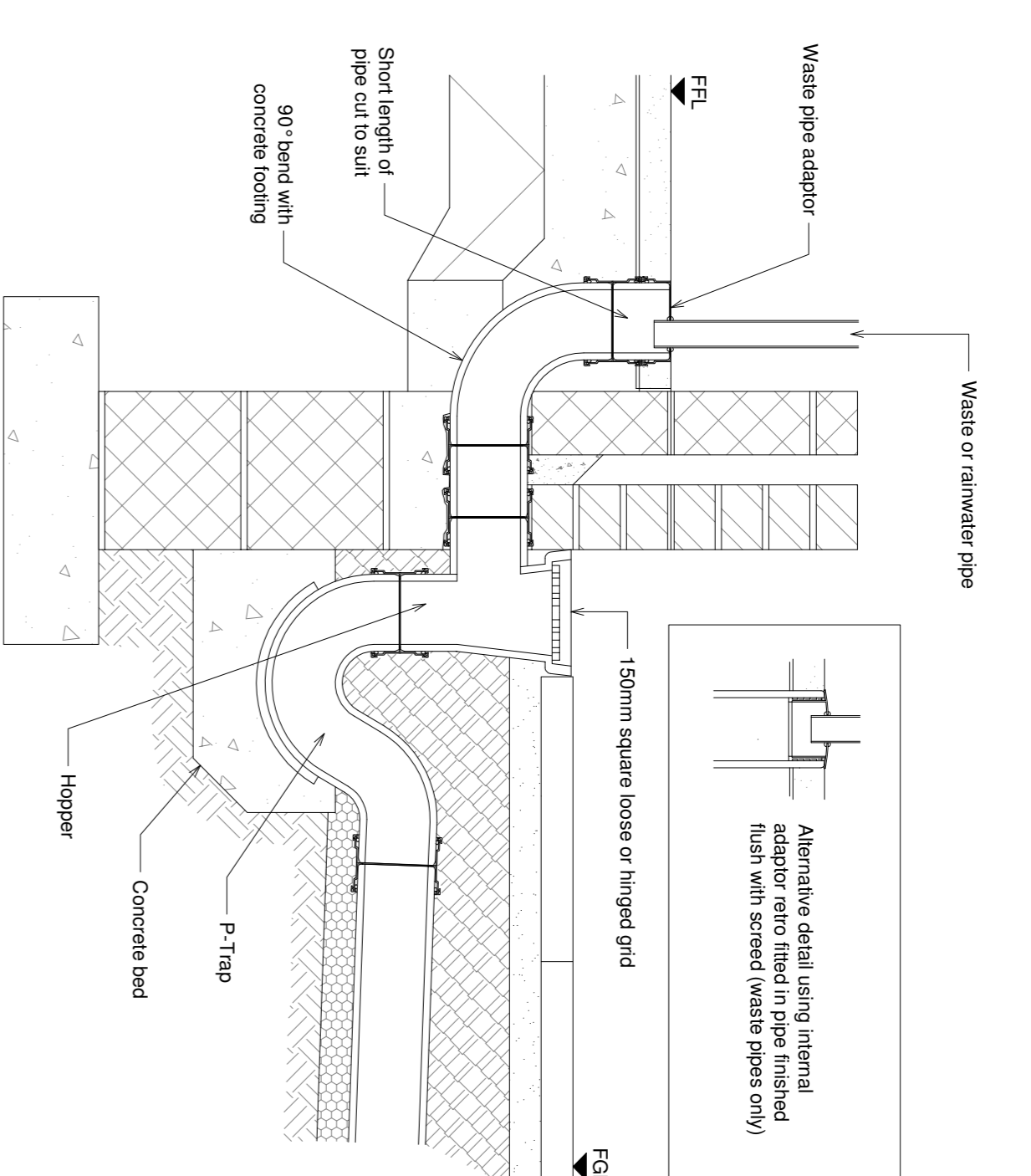
### Pipe Bedding - Class S

Areas subject to vehicle loadings.  
Greater than 1.2m cover to pipe.



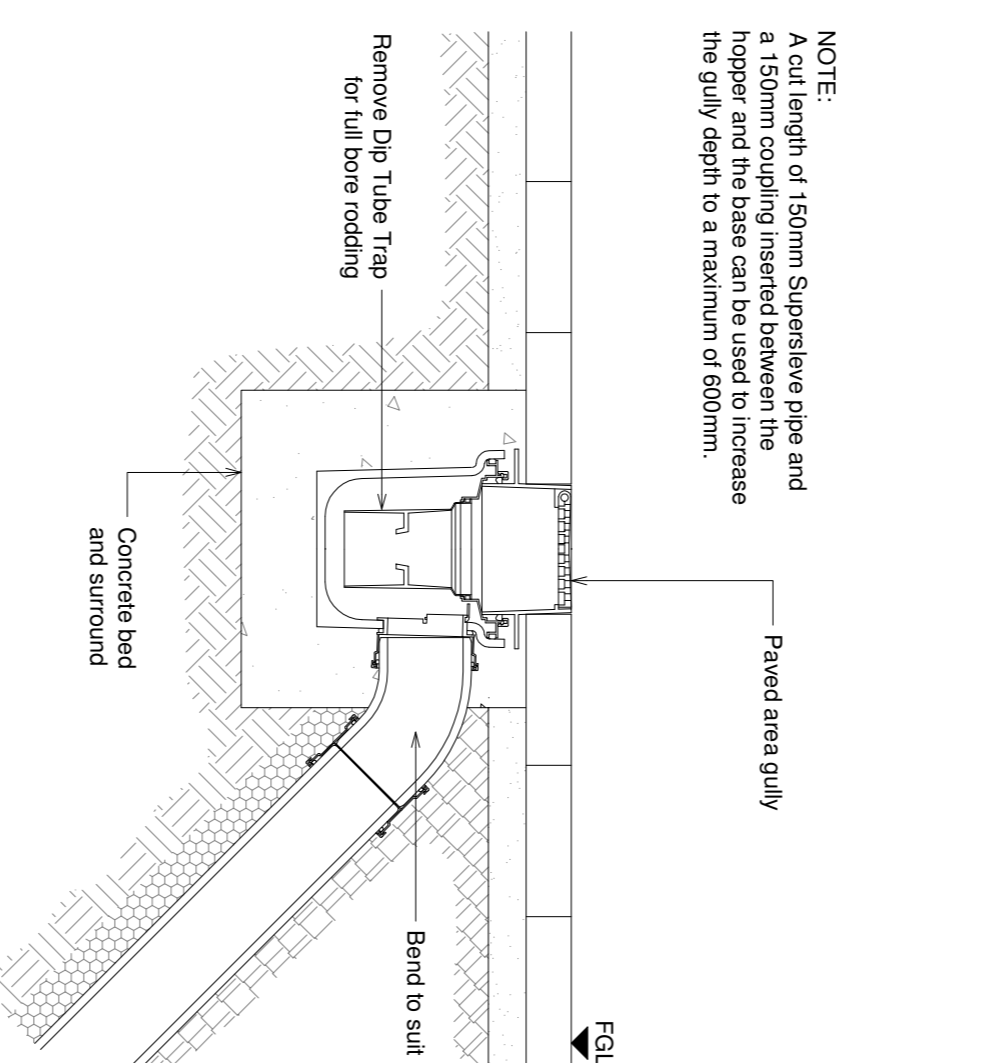
### Typical Horizontal Inlet Trapped Gully Detail

Scale 1:10



### Paved Area Gully Detail

Scale 1:10



NOTE:  
A cut length of 150mm Supersieve pipe and a 150mm coupling inserted between the hopper and the base can be used to increase the gully depth to a maximum of 600mm.

Major bedding and haunching to cover and frame to Clause ES.7.  
Minimum 2 courses of Class B precast concrete cover frame sealing rings bedded on M1 mortar or bedding strips.  
Heavy duty PCC cover slab with cover slab to be bedded on M1 mortar or bedding strip.

600mm x 600mm clear opening complying with BS EN 124 and BS 7903 with closed keyways bedded on M1 mortar and with mortar haunch. For cover grade see schedules.  
Minimum clear access 600mm

As construction specification or to landscape consultants details. Selected backfill material, no stones over 40mm, no lumps of clay over 100mm, no organic or frozen material.  
For pipe diameter see schedule

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For pipe diameter see schedule

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For pipe diameter see schedule

PIPE BEDDING MATERIAL - CLASS S	
Pipe Ø (mm)	Suitable Materials: (Aggregate to BS 882)
100	10mm nominal single sized aggregate
150	10 to 14mm nominal single sized aggregate
225 to 525	10, 14, 20 or 40mm nominal single sized crushed rock
Over 525	

Pipes surround material shall where required, be placed and compacted over the full width of the trench in layers not exceeding 150mm before compaction, to a finished thickness of 300mm above the crown of the pipe.

Where excavators have been supported and the supports are removed they shall be replaced with temporary props to support the trench walls. The trench shall be backfilled with aggregate, all voids formed behind the supports are to be carefully filled and compacted.  
Pipe jointing surfaces and components shall be kept clean and free from extraneous matter until the joints have been made or assembled, care should be taken to ensure that there are no ridges or gaps of material into the joint after the joint has been made.  
Pipes should be cut in accordance with the manufacturers recommendations to provide a clean square profile without spalling or fracturing the pipe wall and to ensure minimal damage to any protective coatings, where necessary, the cut ends of pipes shall be dressed to the tapers and chamfers suitable for the type of joint to be used.

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For pipe diameter see schedule

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For pipe diameter see schedule

TRENCH WIDTH	
Pipe Ø (mm)	Trench Width (mm)
100	450
150	450
225	600
300	600
375	750
450	750
525	900
600	900
750	1200
900	1350
1050	1500

### FOUL WATER MANHOLE SCHEDULE

Manhole Ref.	Cover Level (m)	Invert Level (m)	Backdrop Invert Lvl (m)	Manhole Depth (m)	Manhole Type	Manhole Ø (mm)	Cover/Frame Grade	Remarks
MHF1.0	4.570	4.200	-	0.470	Type 4	300	B125	-
MHF1.1	4.660	4.124	-	0.536	Type 3	500	B125	-
MHF2.0	4.715	3.950	-	0.765	Type 3	500	D400	-
MHF2.1	4.720	3.854	-	0.866	Type 4	300	D400	-
MHF2.2	4.744	3.795	-	0.949	Type 4	300	D400	-
MHF3.0	4.570	3.945	-	0.725	Type 4	300	D400	-

### FOUL WATER PIPE SCHEDULE

Pipe Ref.	Pipe Length (m)	Pipe Ø (mm)	Pipe Material	Gradient (1 in 7)	Bedding	Remarks
PNF1.0	4.56	100	VC	60	Class S	-
PNF1.1	1.20	100	VC	60	Class S	-
PNF2.0	7.61	100	VC	80	Class Z	Concrete bed and surround to pipe
PNF2.1	4.69	100	VC	80	Class Z	Concrete bed and surround to pipe
PNF2.2	1.33	100	VC	80	Class Z	Concrete bed and surround to pipe
PNF3.0	3.89	100	VC	40	Class Z	Concrete bed and surround to pipe

### SURFACE WATER MANHOLE SCHEDULE

Manhole Ref.	Cover Level (m)	Invert Level (m)	Backdrop Invert Lvl (m)	Manhole Depth (m)	Manhole Type	Manhole Ø (mm)	Cover/Frame Grade	Remarks
MMS1.0	4.570	4.020	-	0.550	Type 4	300	B125	-
MMS1.1	4.570	3.775	-	0.895	Type 4	300	B125	-
MMS1.2	4.820	3.575	-	1.245	Type 4	300	B125	-
MMS1.3	4.820	3.445	-	1.375	Type 4	300	B125	-
MMS1.4	4.550	3.200	3.150	0.350	Type 2 Catchpit	1200	D400	-
MMS2.0	4.820	3.820	-	1.000	Type 4	300	B125	-

### SURFACE WATER PIPE SCHEDULE

Pipe Ref.	Pipe Length (m)	Pipe Ø (mm)	Pipe Material	Gradient (1 in 7)	Bedding	Remarks
PNS1.0	14.70	150	UPVC	60	Class S	-
PNS1.1	11.98	150	UPVC	60	Class S	-
PNS1.2	3.19	150	UPVC	40	Class S	-
PNS1.3	5.77	150	UPVC	40	Class S	-
PNS1.4	0.74	225	UPVC	80	Class S	-
PNS2.0	10.78	100	UPVC	33.2	Class S	-

### SURFACE WATER SOKKAWAY SCHEDULE

Sokkaway Ref.	Cover / Ground Level (m)	Inlet Level(s) (m)	Inlet Depth(s) (m)	Remarks
SA1	Approx 4.800	3.290	1.310	Sokkaway constructed using Stormtec units by Hydro International (Individual block dimensions: L=600mm x W=450mm x D=450mm) Sokkaway Dimensions Length = 7m (7 Blocks) Width = 7m (7 Blocks) Depth = 7m (7 Blocks) Inlet to be located at high level into sokkaway structure

### NOTES

- The Contractor should check all dimensions on site.
- It is the Contractor's responsibility to ensure compliance with building regulations and current codes of practice.
- Drawings cannot take into account any drains or underground works not locatable by visual survey of the site.
- Commencement of any building works prior to full building regulation approval is entirely at the contractor's risk.

CLIENT	
G'Round Esq - c/o Urban Surveying & Design	
PROJECT	
Proposed development at 13a Queen Street, Deaf, Kent CT14 6EX.	
DRAWING	
Sheet 1	As Noted
DATE	22/08/2017
SCALE	1:10
STATUS	PRELIMINARY