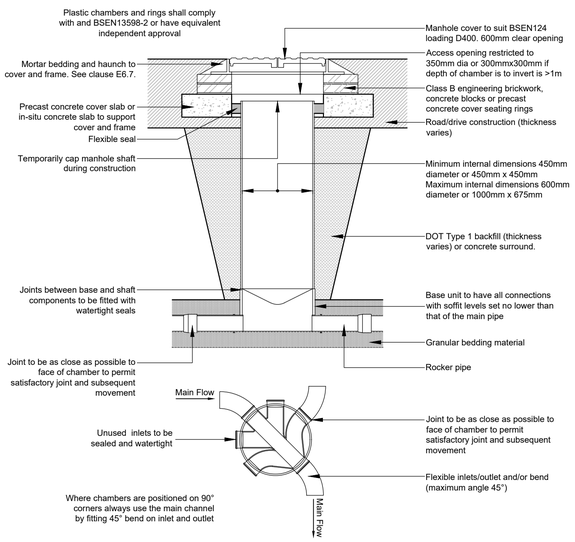
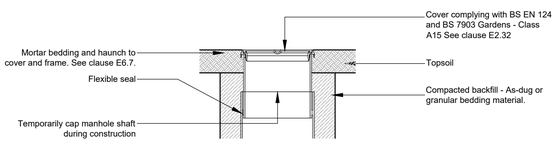


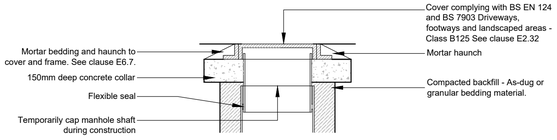
TYPICAL ACCESS CHAMBER DETAIL - TYPE 3

3m maximum depth to from cover to pipe soffit. (non entry) vehicle loading
(Scale 1:20)



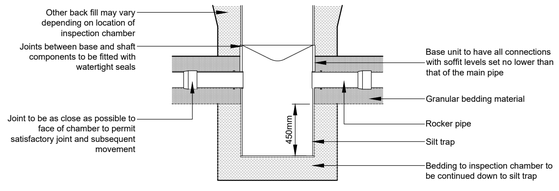
ALTERNATIVE TOP DETAIL - TYPE 3

Sited in domestic gardens subject to pedestrian loading only
(Scale 1:20)



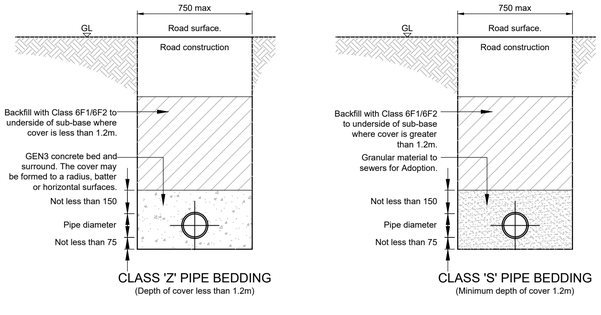
ALTERNATIVE TOP DETAIL - TYPE 3

Sited in driveways/paved areas subject to light vehicle loading only
(Scale 1:20)



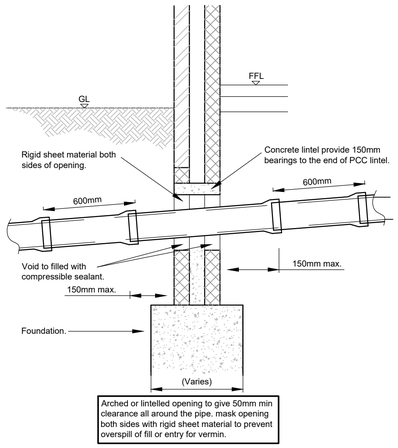
TYPICAL SILT TRAP DETAIL - TYPE 3

(Scale 1:20)



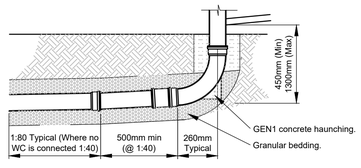
PIPE BEDDING DETAILS (UNDER HIGHWAYS)

(Scale 1:20)



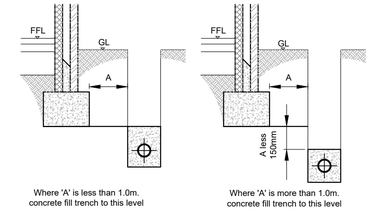
TYPICAL SECTION PIPE PASSING THROUGH WALL PIPE THROUGH LINTELLED OPENING

(Scale 1:20)



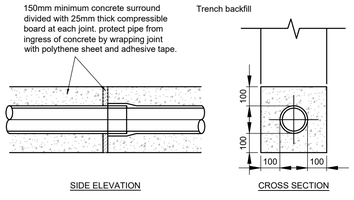
DETAIL OF FOUL REST BEND DETAIL

(Scale 1:20)



DETAIL OF PIPE RUNS NEAR BUILDINGS

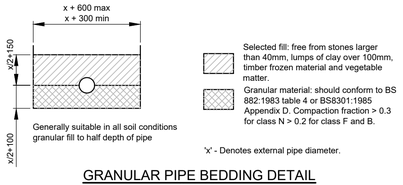
(Scale 1:10)



CONCRETE BED AND SURROUND TO PIPES

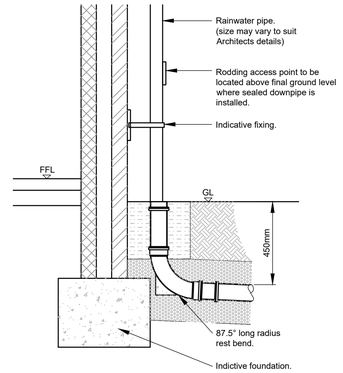
(Scale 1:20)

LIMITS OF COVER FOR THERMOPLASTIC PIPES IN ANY WIDTH OF TRENCH					
Nominal Size	Fields and gardens		Light traffic roads		Heavy traffic roads	
	MIN	MAX	MIN	MAX	MIN	MAX
100-300mm	0.6	7.0	0.9	7.0	0.9	7.0



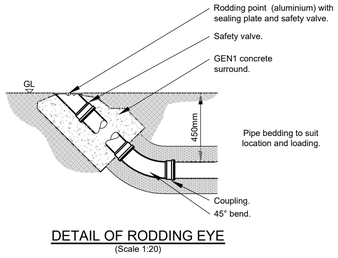
GRANULAR PIPE BEDDING DETAIL

(Scale 1:20)
Refer to Limits of Cover Table below for minimum covers.



TYPICAL RWP REST BEND DETAIL

(Scale 1:20)



DETAIL OF RODDING EYE

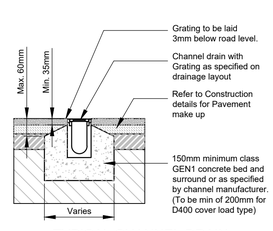
(Scale 1:20)

Minimum Dimensions for Access Fittings and Chambers						
Type	Internal Sizes				Cover Sizes	
	Depth to invert (m)	Size of largest pipe (DN)	Length x Width (mm)	Circular (mm)	Length x Width (mm)	Circular (mm)
Rodding Eye	As Drain but Minimum 100mm					
Shallow Access						
Small	0.6 or less	150	150x100	150	150x100	150
Large			225x100		225x100	
Inspection Chamber	0.6 or less			190		190
	1.2 or less	150	450x450	450	450x450	450
	1.2 - 3.0		450x450	450	300x300	350
Manhole	1.5 or less	150	675x750	1200	675x750	n/a
		225	675x1200	1200	1200x675	n/a
		300	675x1200	1200	1200x675	n/a
		>300	DN+450 x1800	The larger of 1800 or (DN+450)	1200x675	n/a
	Over 1.5	225	1200x1000	1200	600x600	600
		300	1200x1075	1200	600x600	600
		375-450	1350x1225	1200	600x600	600
		>450	DN+775 x1800	The larger of 1800 or (DN+775)	1200x675	600
Manhole Shaft	Over 2.7		900x840	900	600x600	600

BUILDING REGULATIONS MINIMUM DIMENSIONS FOR MANHOLES

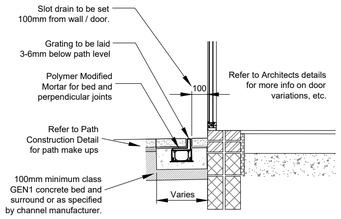
(Not to Scale)

This plan complies with the Building Regulations 2002
Section 'H' - Drainage & Waste Disposal.



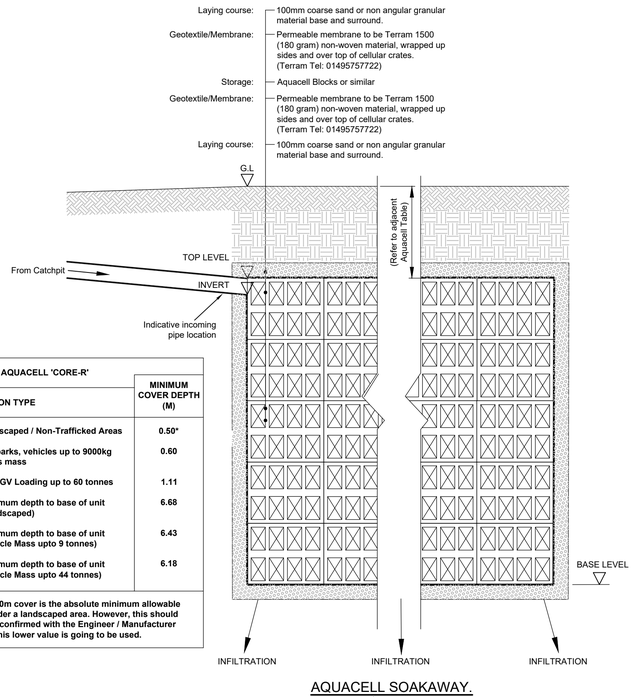
TYPICAL CHANNEL DRAIN

(Scale 1:20)
(ACO Mulitdrain MD - Asphalt Pavement)



TYPICAL THRESHOLD SLOT DRAIN

(Scale 1:20)
(ACO HexDrain Brickslot Channel - Pedestrian Loading Only)



AQUACELL 'CORE-R'	
LOCATION TYPE	**MINIMUM COVER DEPTH (M)**
Landscaped / Non-Trafficked Areas	**0.50***
Car parks, vehicles up to 9000kg gross mass	**0.60**
HA/HGV Loading up to 60 tonnes	**1.11**
Maximum depth to base of unit (Landscaped)	**6.68**
Maximum depth to base of unit (Vehicle Mass upto 9 tonnes)	**6.43**
Maximum depth to base of unit (Vehicle Mass upto 44 tonnes)	**6.18**

(*) - 0.30m cover is the absolute minimum allowable under a landscaped area. However, this should be confirmed with the Engineer / Manufacturer if this lower value is going to be used.

AQUACELL SOAKAWAY.

(Scale 1:20)

Notes:

A1

1. This drawing is to be read in conjunction with all other WGC drawings, and with all relevant Architect's and Engineer's drawings and specification. Any discrepancies found are to be reported immediately to the Engineer.
2. WGC accepts no responsibility for inaccuracies in data provided by third parties such as topographic surveys or Ordnance Survey mapping.
3. Do not scale, work to figured dimensions only. All dimensions are in millimeters unless noted otherwise and all levels are in metres from the topographic survey datum.
4. Any information given regarding existing underground services is given in good faith after consultation with the relevant authority, however accuracy is not certain. The main contractor is responsible for checking all information on site prior to work commencing and taking due care whilst undertaking the works.
5. All dimensions to be checked on site. All details and dimensions relating to sub-contractors work must be checked and agreed between the sub-contractor or supplier and the general contractor.
6. The electronic information from this drawing can not be guaranteed as dimensionally drawn exact. Figured dimensions must be used for setting out and detailing. WGC logos and company information must be removed from copies if information is re-used.
7. The main contractor is responsible for the design of all temporary works, and is also responsible for the safe maintenance and stability of existing buildings at all times.
8. The main contractor is responsible for dealing with all occurrences of ground water during the construction period.
9. The contractor must comply with all current legislation relating to health & safety.
10. All products specified shall be installed in strict accordance with the manufacturers recommendations and instructions. If there are discrepancies between that information and the details on any WGC drawings, the manufacturers instructions must be used.
11. All Earthworks in accordance with the Specification for Highway Works.

Rev	Date	Revisons	Drwn	Chk
P1	06.06.22	Preliminary Issue	LG	GW

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Client:
Seaside Primary School

Project:
New Sports Hall
Seaside Primary School, Lancing

Drawing Title:
Drainage Details

Scale:	Date:	Drawn:	Checked:
AS	JUN 22	LG	GW

Drawing No: WG1275/250
Rev: P1