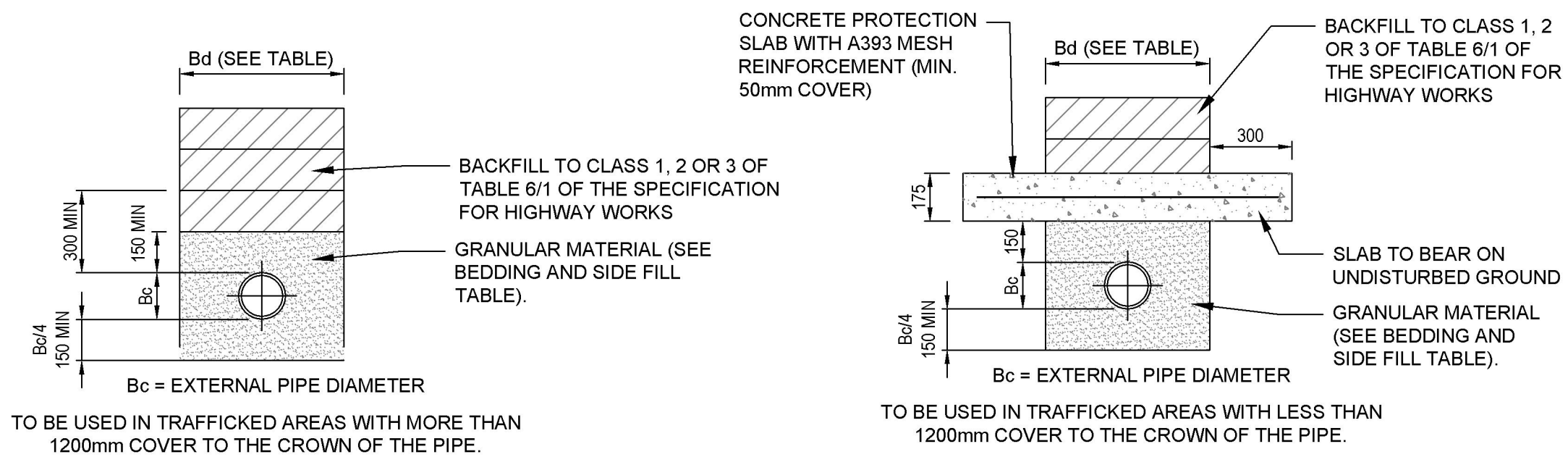
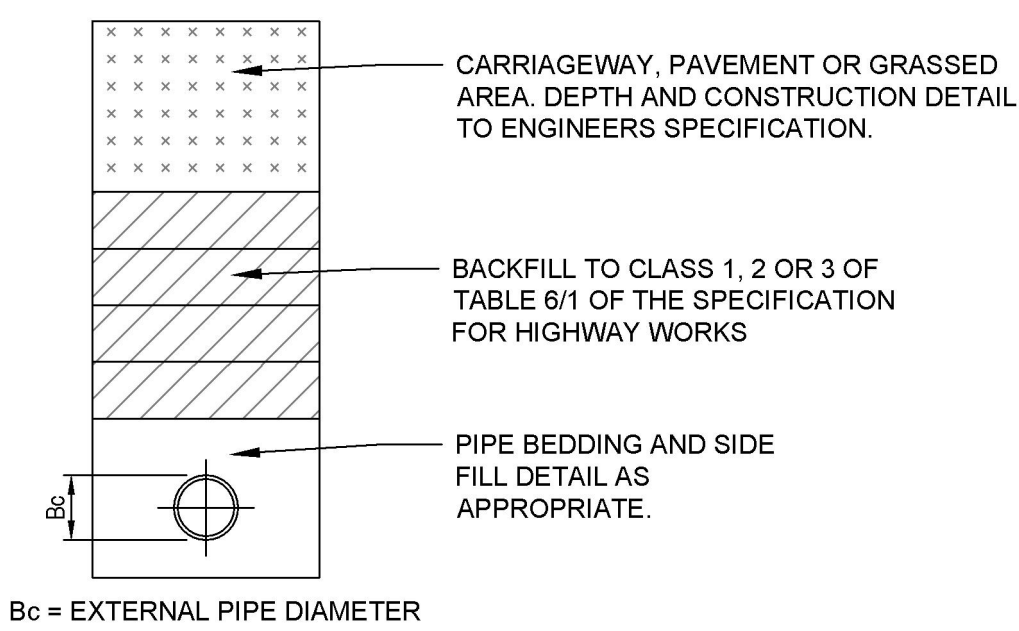




TYPE S



TYPE Z

PIPE DIA (mm)	TRENCH WIDTH Bd(mm) MAX. MEASURE 300mm ABOVE PIPE SOFFIT
100	550
150	600

TRENCH WIDTH TABLE

PIPE BACKFILL DETAIL

- PERMITTED PIPE MATERIALS**
- VITRIFIED CLAY (100mm - 300mmØ)
- PIPES FOR FOUL SEWERS AND SURFACE WATER SEWERS SHALL COMPLY WITH THE RELEVANT REQUIREMENTS OF BS EN 295 AND BS 65 (SURFACE WATER PIPES ONLY). VITRIFIED CLAY PIPES AND FITTINGS FOR SEWERS SHALL HAVE FLEXIBLE MECHANICAL JOINTS.
- SOLID WALL PLASTIC PIPES**
- PIPES TO CONFORM TO BS 4660 AND BS EN 1401-1
- STRUCTURED WALL PLASTIC PIPES**
- PIPES TO CONFORM WITH CLAUSE 6.15 OF WIS 4-35-01 (STIFFNESS CLASS 8), AND BS EN 13476 PT 2:2007 OR PT 3:2007
- APPROVED SYSTEMS
 - POLYSEWER - 150mm, 225mm, 300mm
 - QUANTUM (MARLEY) - 150mm, 225mm, 300mm
 - ULTRARIB (UPONOR AND WAVIN) - 150mm, 225mm, 300mm
- PERFORATED PIPES**
- 150mm FULLY PERFORATED PIPE

PIPE BEDDING SPECIFICATION
PLOT DRAINAGE ONLY

PIPE DIA (mm)	BEDDING MATERIAL COMPLYING WITH BS EN 13242
110mm FLEXIBLE PIPES	4/10mm PIPE BEDDING GRAVEL
100mm RIGID PIPES	
160mm FLEXIBLE PIPES	2/14mm PIPE BEDDING GRAVEL
150mm RIGID PIPES	

BEDDING MATERIAL TABLE

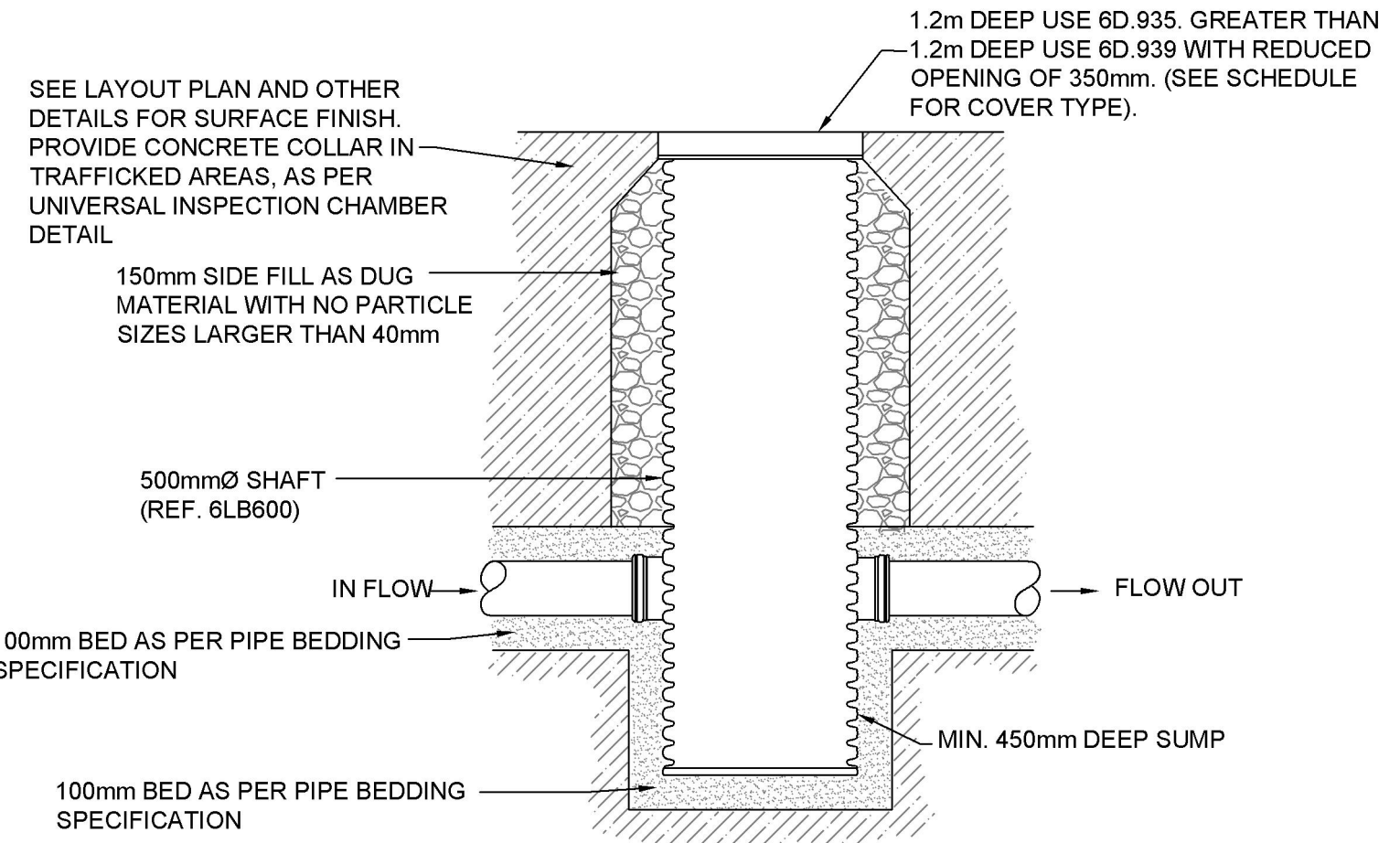
PIPE DIA (mm)	ALTERNATIVE AGGREGATE SIZES (mm)	
	SINGLE-SIZED	GRADED
100	10	-
150	10 or 14	14 to 5

GRANULAR PIPE BEDDING AND SIDE FILL MATERIAL SHALL CONSIST OF AGGREGATES FROM NATURAL SOURCES OR SINTERED PULVERIZED-FUEL ASH COMPLYING WITH THE RELEVANT PROVISIONS OF BS 882 AND BS 3797, PART 2 RESPECTIVELY, SIZED IN ACCORDANCE WITH THE TABLE ABOVE.

TYPE S BEDDING AND SIDE FILL
TABLE

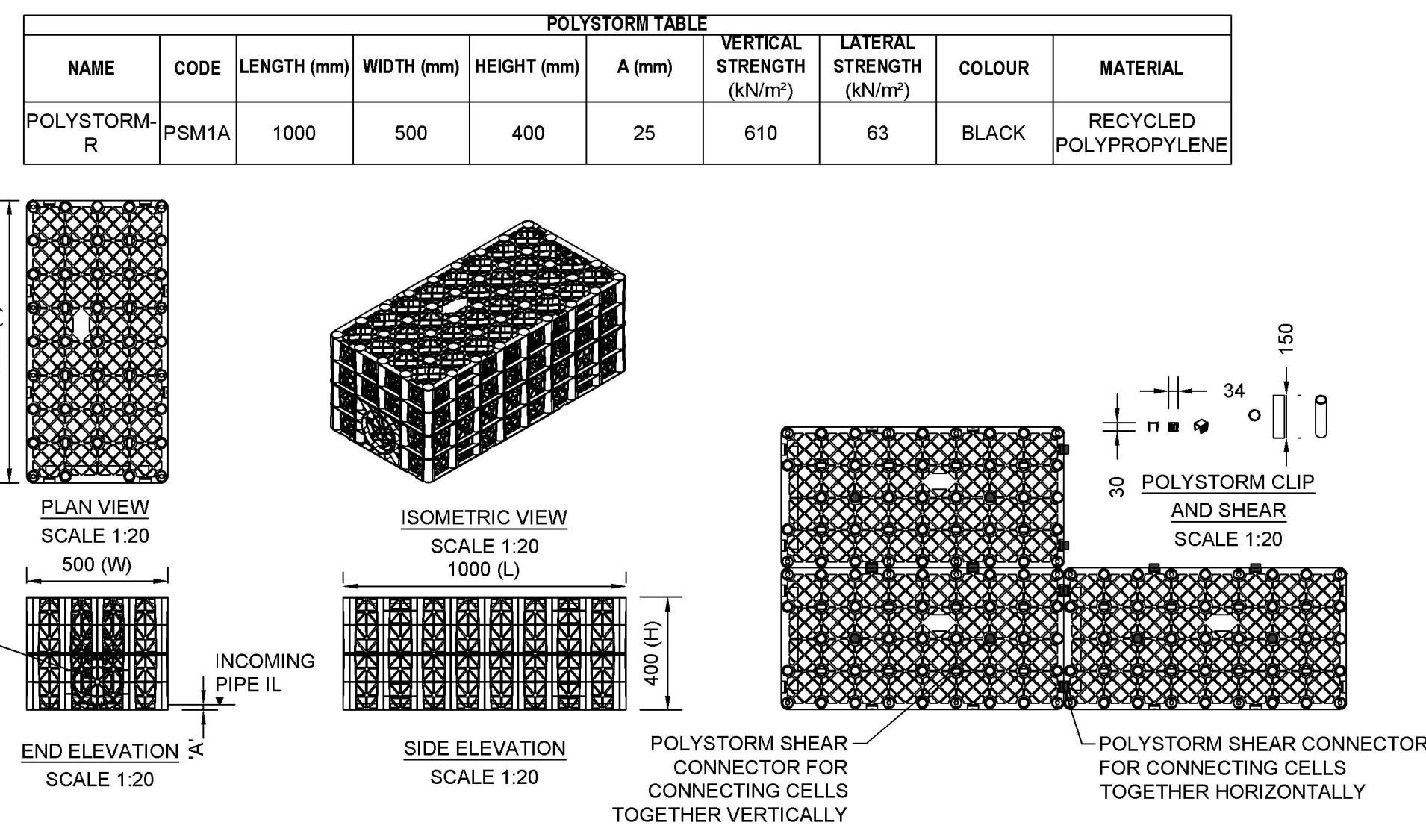
PIPE BEDDING SPECIFICATION
PRIVATE ROAD & SHARED DRAINAGE

SCALE NTS



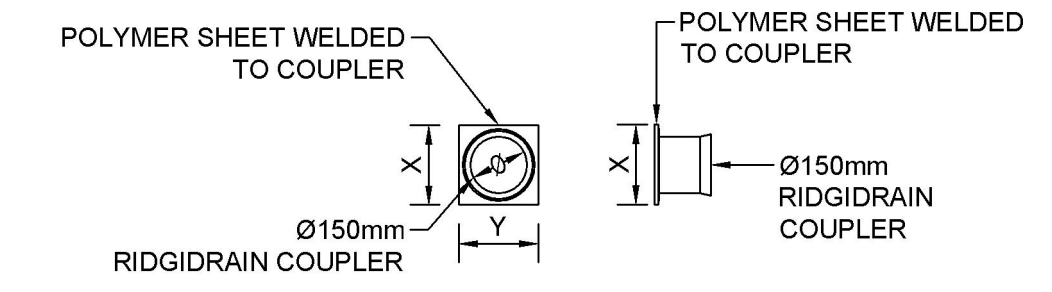
PREFORMED PLASTIC SILT TRAP INSPECTION
CHAMBER
(NTS)

NB: FOR STORM WATER USE ONLY



ATTENUATION CELLULAR CRATES ARRANGEMENT AND DETAILS
(POLYSTORM PSM1A OR APPROVED EQUIVALENT)

SCALE 1:20

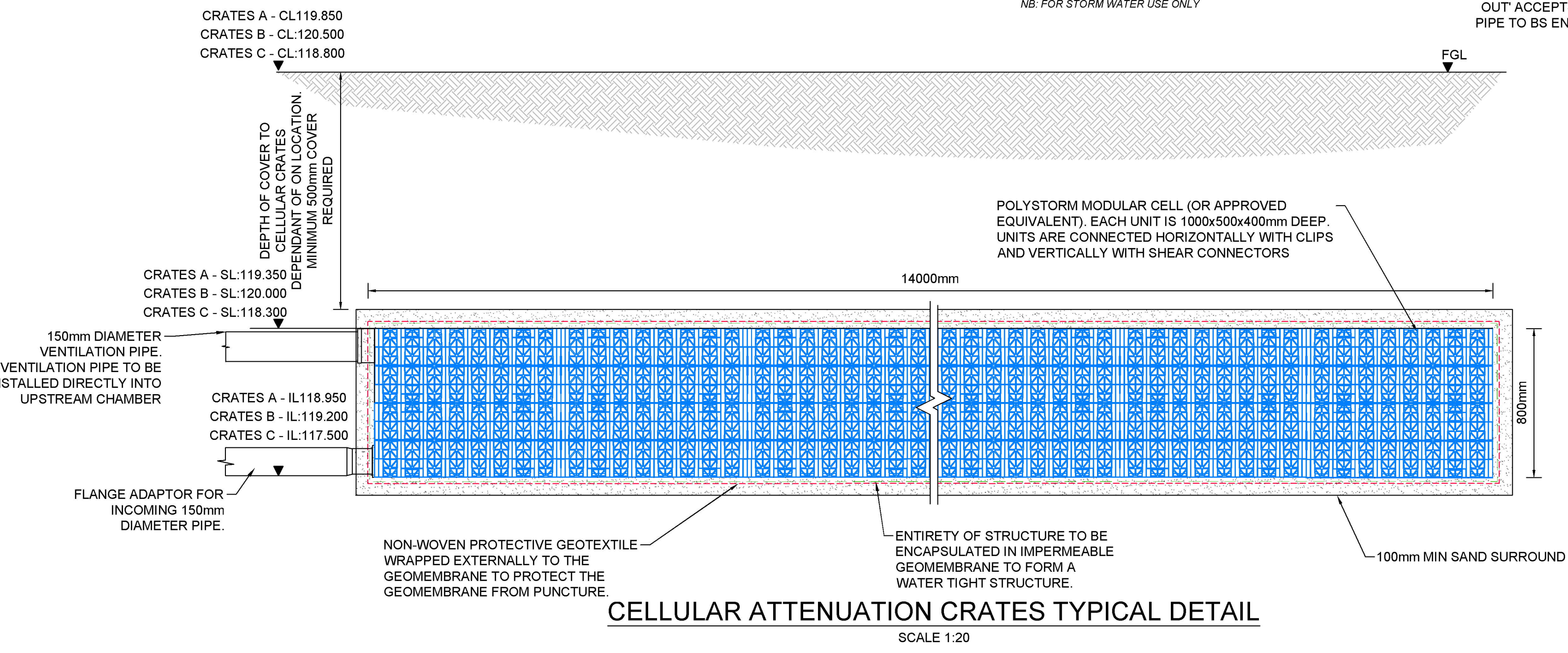


POLYSTORM FLANGE ADAPTER DETAIL

SCALE 1:20

POLYSTORM FLANGE ADAPTER TABLE			
FLANGE CODE	Ø (mm)	X (mm)	Y (mm)
PSMFA150	150	210	210

* FLANGE ADAPTERS ARE COMPATIBLE WITH THE PSM1, PSM1A & PSM2 CELLS.
* CONSIDERATION TO HYDRAULIC PERFORMANCE SHOULD BE TAKEN WHEN USING A FLANGE ADAPTER



CELLULAR ATTENUATION CRATES TYPICAL DETAIL

SCALE 1:20

Copyright Barter Hill Partnership. This drawing shall not be copied in whole or part without the written permission of The Barter Hill Partnership.

- Notes**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS, ARCHITECTS AND SPECIALIST DRAWINGS AND SPECIFICATIONS.
 - DO NOT SCALE FROM THIS DRAWING MANUALLY OR ELECTRONICALLY. WRITTEN PERMISSION MUST BE OBTAINED FROM BARTER HILL PARTNERSHIP LTD PRIOR TO SCALING ELECTRONICALLY OR USING THIS ELECTRONIC FILE.
 - THIS DRAWING IS BASED UPON EXTERNAL INFORMATION. ARCHITECTURAL INFORMATION WAS CHARTERED ARCHITECTS, SITE AND ROOF PLAN - EG 24.124.104 REV T2 (15-01-25). TOPOGRAPHICAL SURVEY: COMPASS SURVEYS LIMITED, 01T, 02E, 03BASE, 04GF, 05FF, 06SF (JAN 2024).
 - PRIOR TO COMMENCEMENT OF WORKS, ANY DISCREPANCIES SHOULD BE REPORTED TO THE ENGINEER IMMEDIATELY.

CONSTRUCTION (DESIGN AND
MANAGEMENT) REGULATIONS 2015

DESIGNER'S HAZARD
INFORMATION FOR CONSTRUCTION

- IF YOU DO NOT FULLY UNDERSTAND THE RISKS INVOLVED DURING THE CONSTRUCTION OF THE ITEMS INDICATED ON THIS DRAWING ASK YOUR MANAGER, HEALTH & SAFETY ADVISOR OR A MEMBER OF THE DESIGN TEAM BEFORE PROCEEDING.
 - STRIKING CHARTED AND UNCHARTED BURIED AND OVERHEAD SERVICES INCLUDING BURIED HV & OVERHEAD EHV, GAS ETC. SPECIAL CARE TO BE TAKEN AROUND GAS GOVERNOR AND SUBSTATION TO NORTHEAST CORNER OF SITE.
 - DEEP DRAINAGE EXCAVATIONS. RISK OF FALLS, COLLAPSE OF TRENCH OR BATTER, CONFINED SPACES.
 - CONFLICT BETWEEN CONSTRUCTION WORKERS, VISITORS AND GENERAL PUBLIC WITH MOVING PLANT AND VEHICLES.
 - WORKS ADJACENT TO AND WITHIN PUBLIC ADOPTED HIGHWAY/ACTIVITIES AND MOVING VEHICLES.
 - BANKING/ GRADING BETWEEN SITE BOUNDARY AND ADJACENT HIGHWAY STEEP IN PLACES. MEASURES TO BE IMPLEMENTED TO ENSURE WORKERS AND GENERAL PUBLIC ARE SAFE.
 - CARE TO BE TAKEN IN AREAS OF DENSE VEGETATION WHICH MAY CONTAIN HIDDEN OR UNIDENTIFIED RISKS.
- THE ABOVE NOTES REFER SPECIFICALLY TO THE INFORMATION SHOWN ON THIS DRAWING. REFER TO THE HEALTH AND SAFETY PLAN FOR FURTHER INFORMATION.

DRAWING FOR INFORMATION
NOT FOR CONSTRUCTION

T01	TENDER ISSUE	LA	JR	24.01.25
-----	--------------	----	----	----------

Rev.	Description	By	Chk.	Date

Barter Hill Partnership Limited
Office 40, The Stansted Centre
Parsonage Road
Takeley CM22 6PU
t: 01279 430888
e: mail@barterhill.co.uk

**Consulting Structural
& Civil Engineers**
15 Meridian Way
Meridian Business Park
Norwich NR7 0TA
t: 01603 300360
e: mail@barterhill.co.uk

Client
ZMQL LTD

Project
**EAST COURT, EAST GRINSTEAD
RH19 3LT**

Drawing Title
**PRIVATE DRAINAGE
CONSTRUCTION DETAILS SHEET 2**

Designed by OCS	Drawn by LA	Checked by JR
Scale @ A1 AS SHOWN	Contact Office NORWICH	Date JANUARY 2025

Status	Revision	Job Ref
TENDER ISSUE	T01	10056

Drawing No
10056-BHP-XX-XX-DR-C-0102
Cad file
P:10056/Civils/BHP Drawings/10056-BHP-XX-XX-DR-C-0102