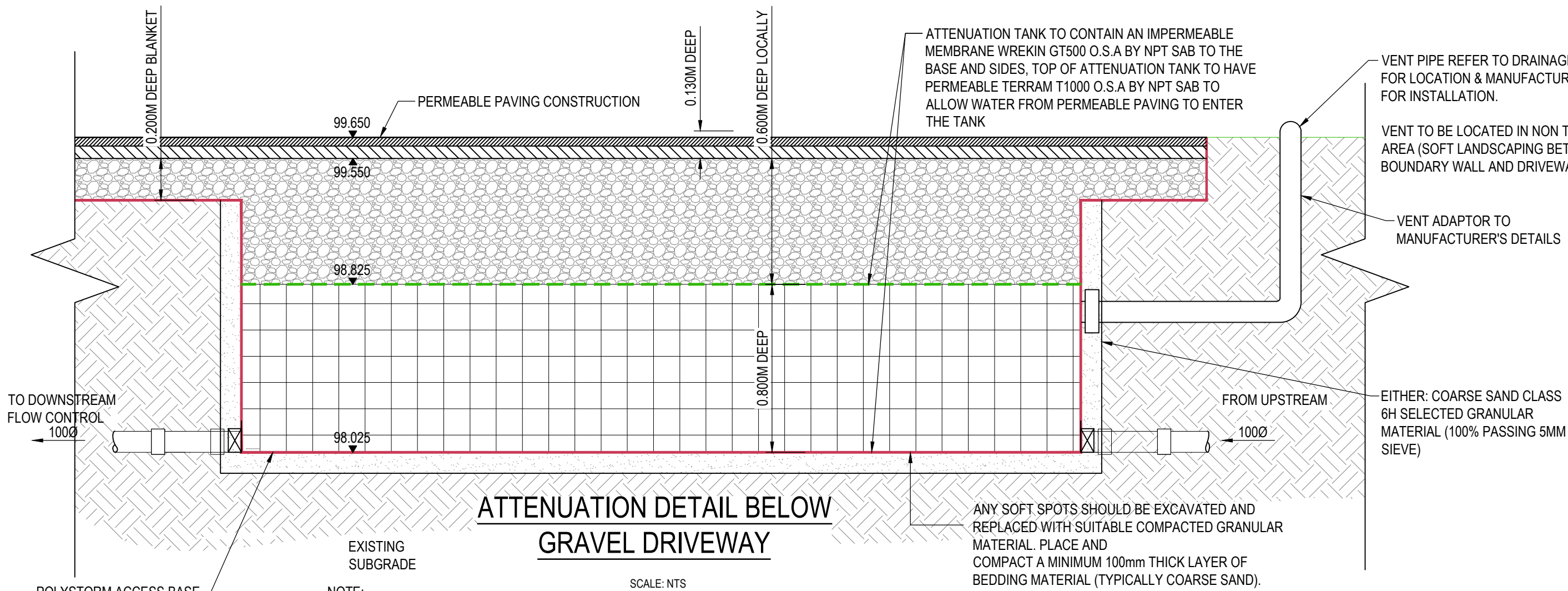
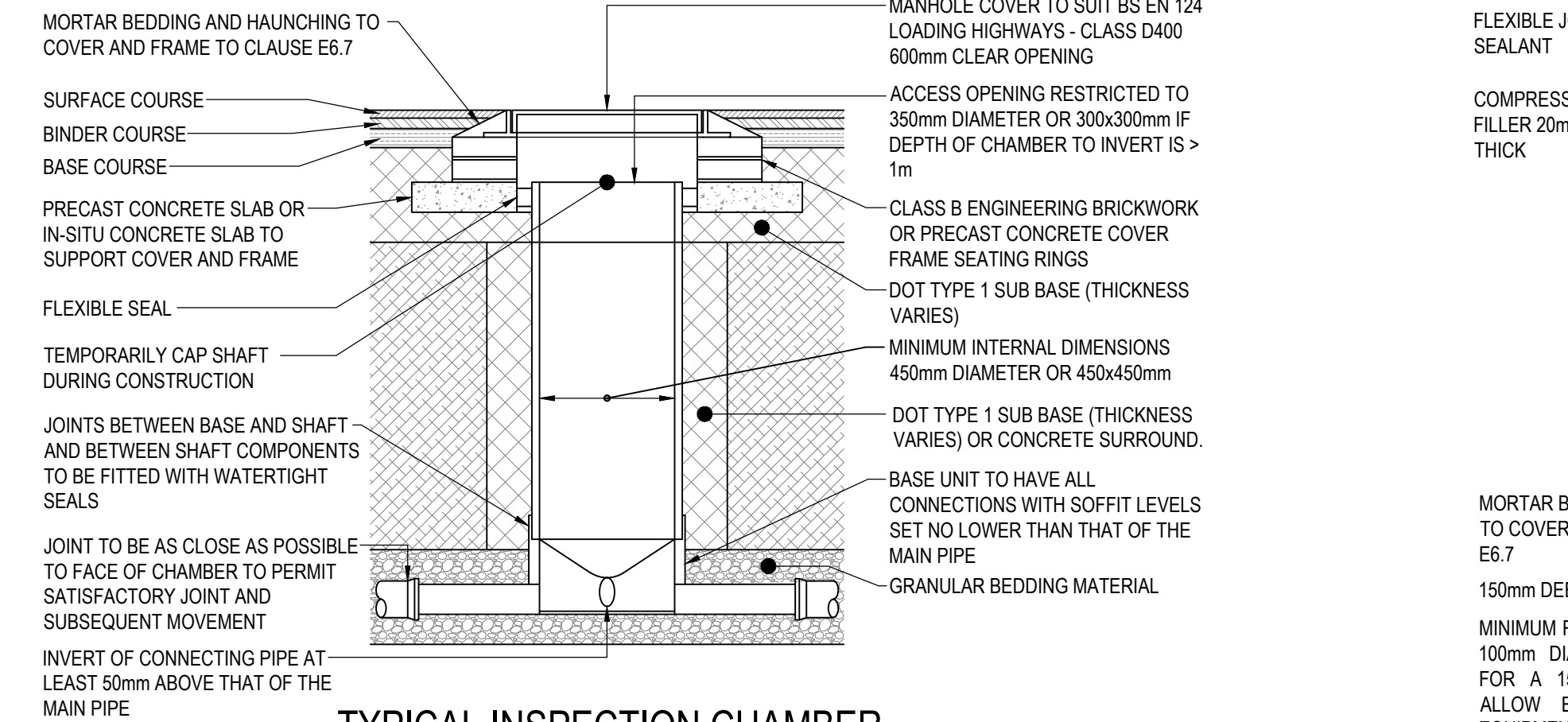
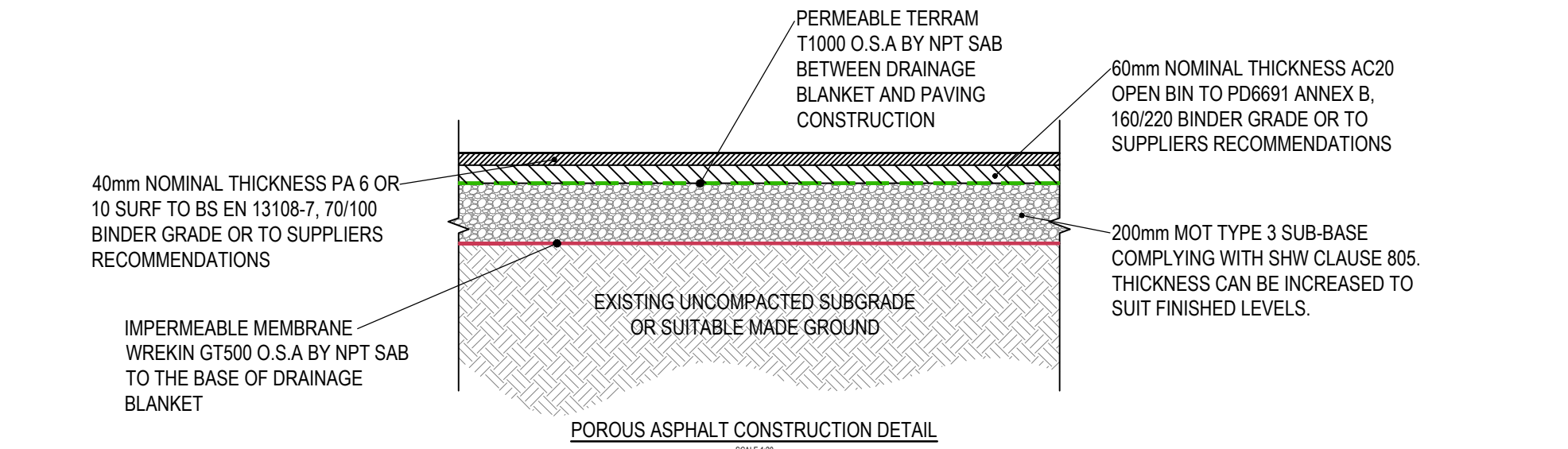
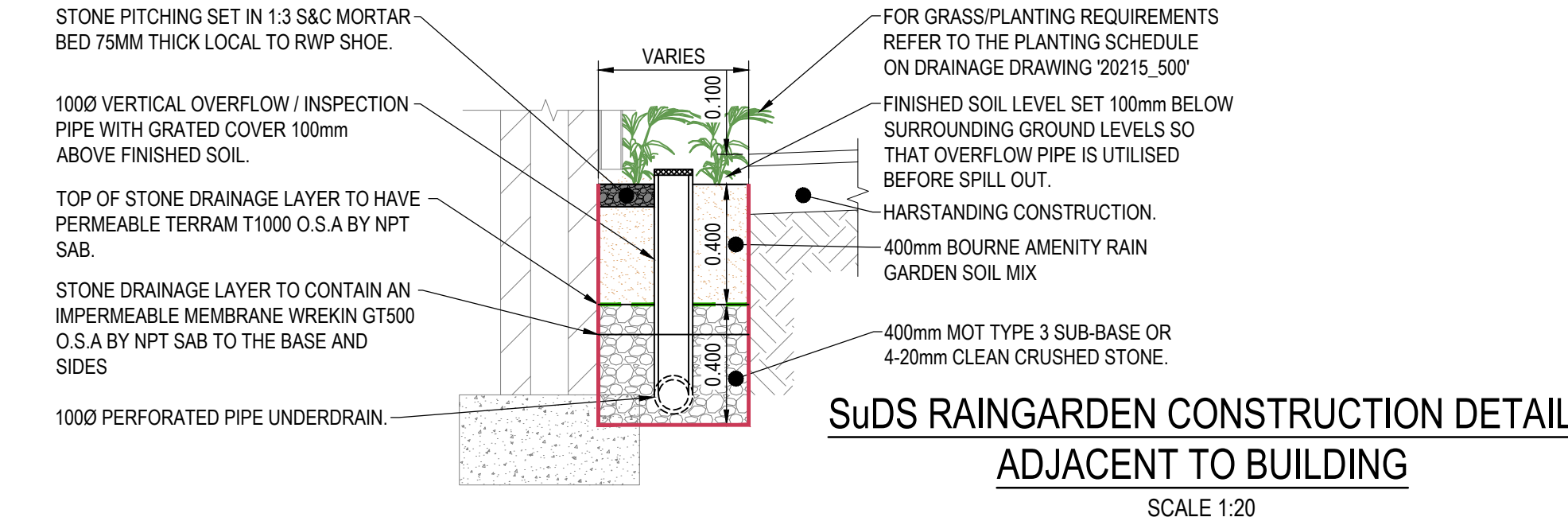




NOTE: 1. GEOCELLULAR SYSTEM TO BE POLYPIPE POLYSTORM UNITS WITH POLYSTORM INSPECTION UNITS AND ACCESS UNITS O.S.A. BY NPT SAB DESIGN AND LAYOUT TO BE CONFIRMED BY POLYPIPE OR SIMILAR APPROVED BY NPT SAB.

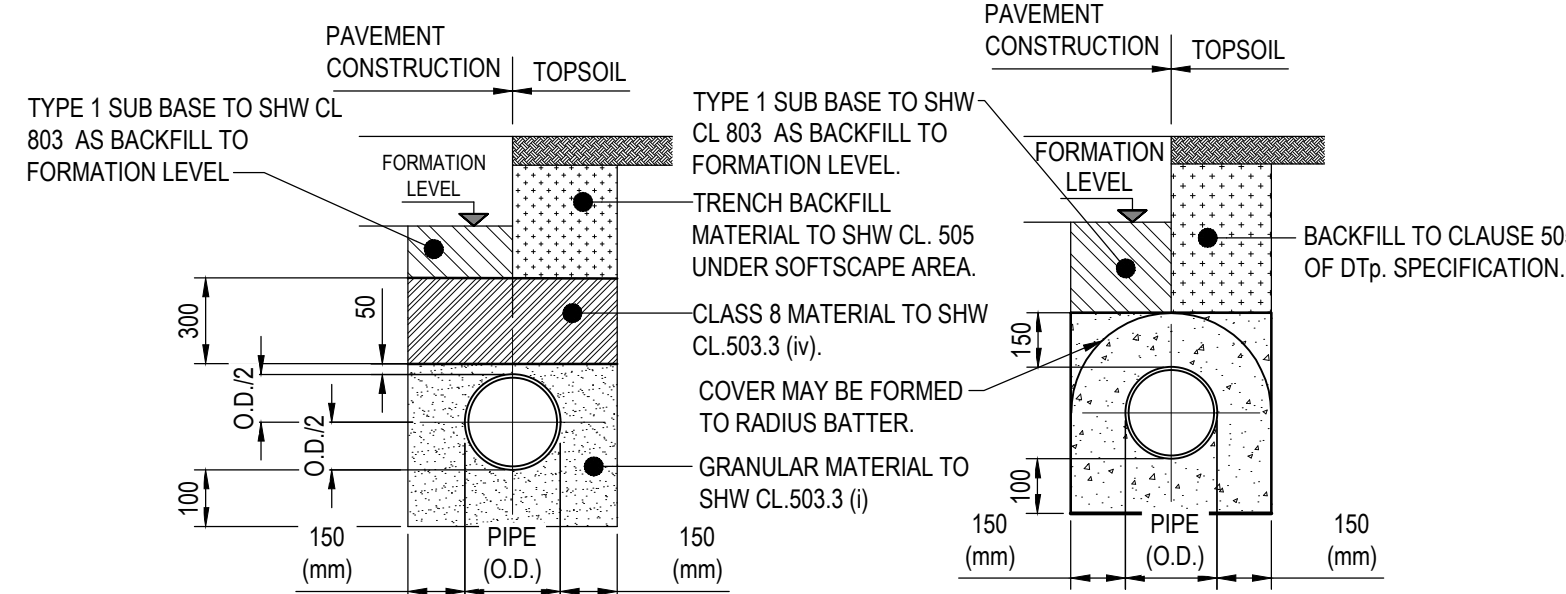
CONFIGURATION TO SUIT PLAN LAYOUT DRG. No 20215_500



PIPE DIA.	ROCKER PIPE LENGTH
150 - 600	0.60m
675 - 750	1.00m
OVER 750	1.25m

MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 2m, NON-ENTRY PLASTIC CHAMBERS AND RINGS SHALL COMPLY WITH BS EN 13598-1 AND BS EN 13598-2 OR HAVE EQUIVALENT INDEPENDENT APPROVAL

ROCKER PIPE DETAILS

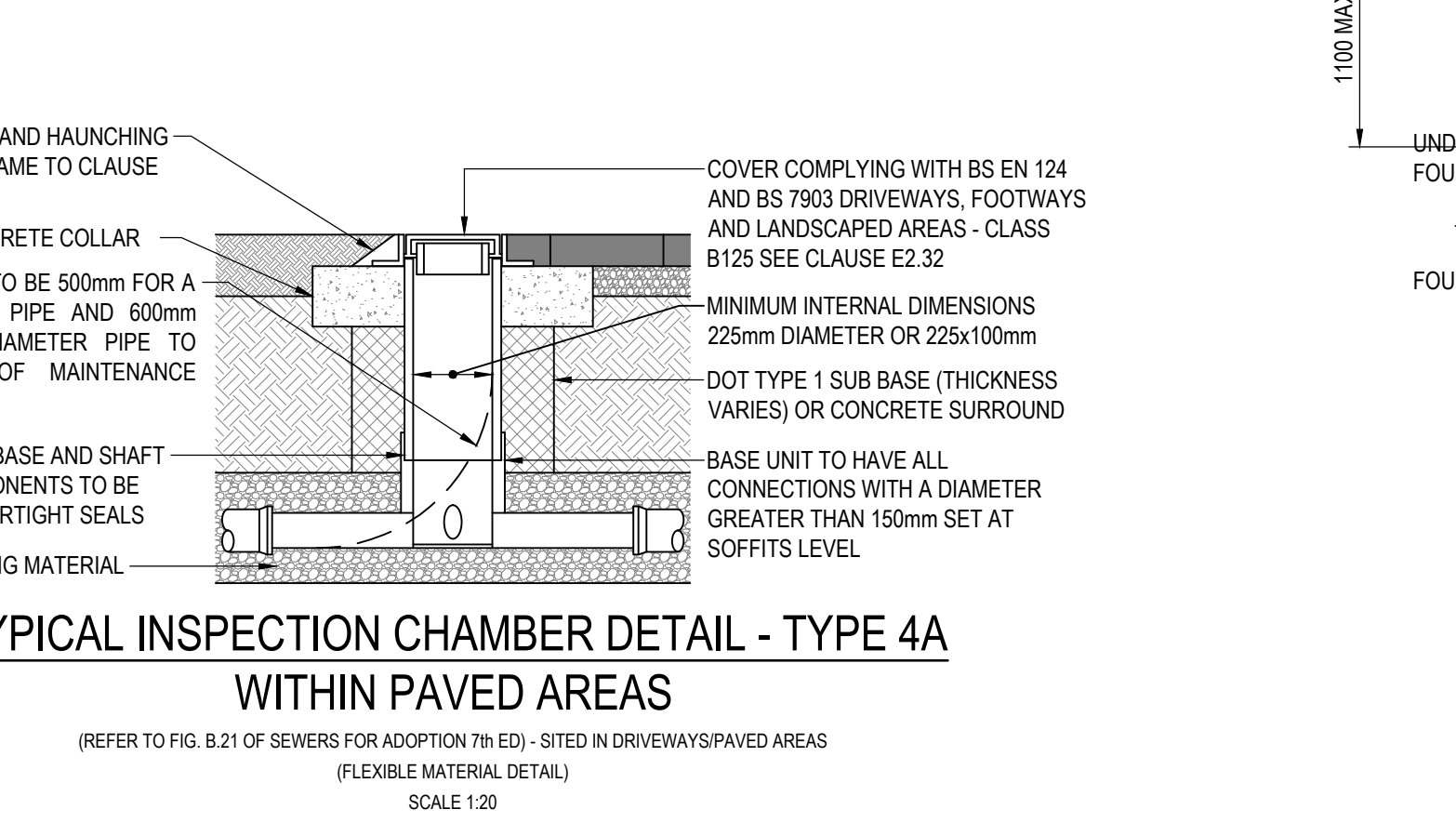
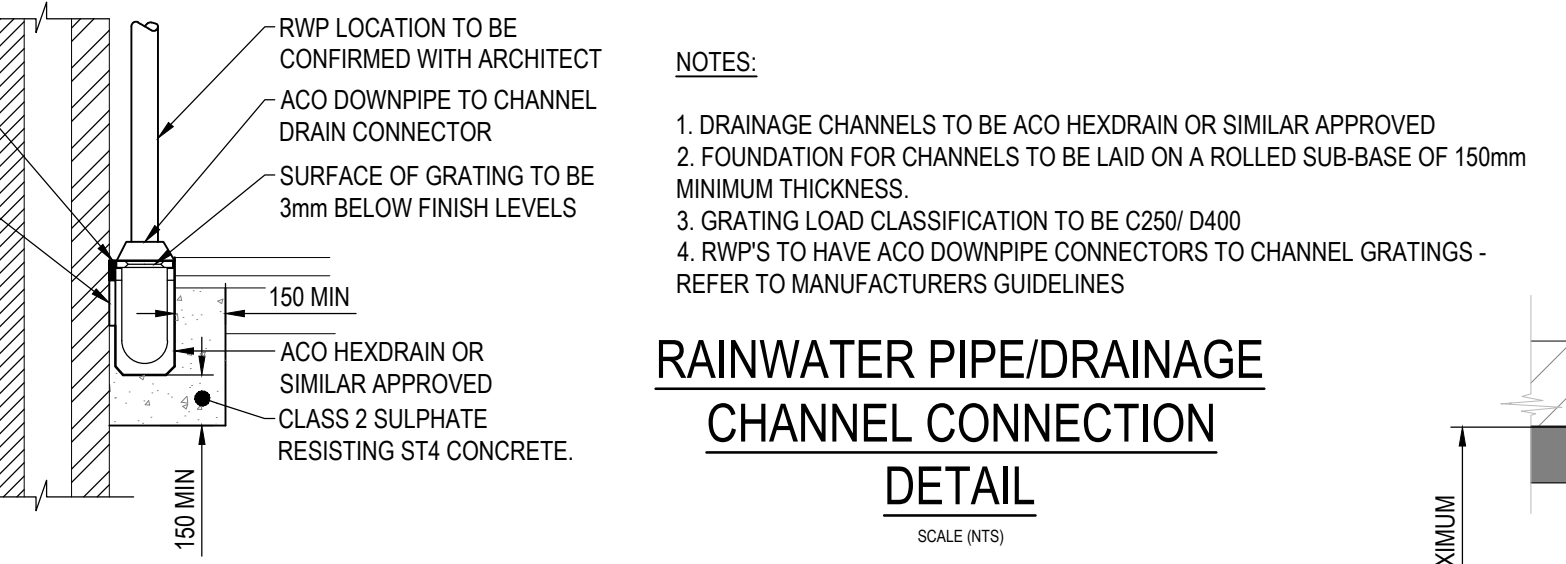


TYPE S BEDDING
GRANULAR BED AND SURROUND UNDER ROAD
(BEDDING FACTION = 2.2)
SCALE 1:20

TYPE Z BEDDING
CONCRETE BED AND SURROUND
(BEDDING FACTION = 2.6)
SCALE 1:20

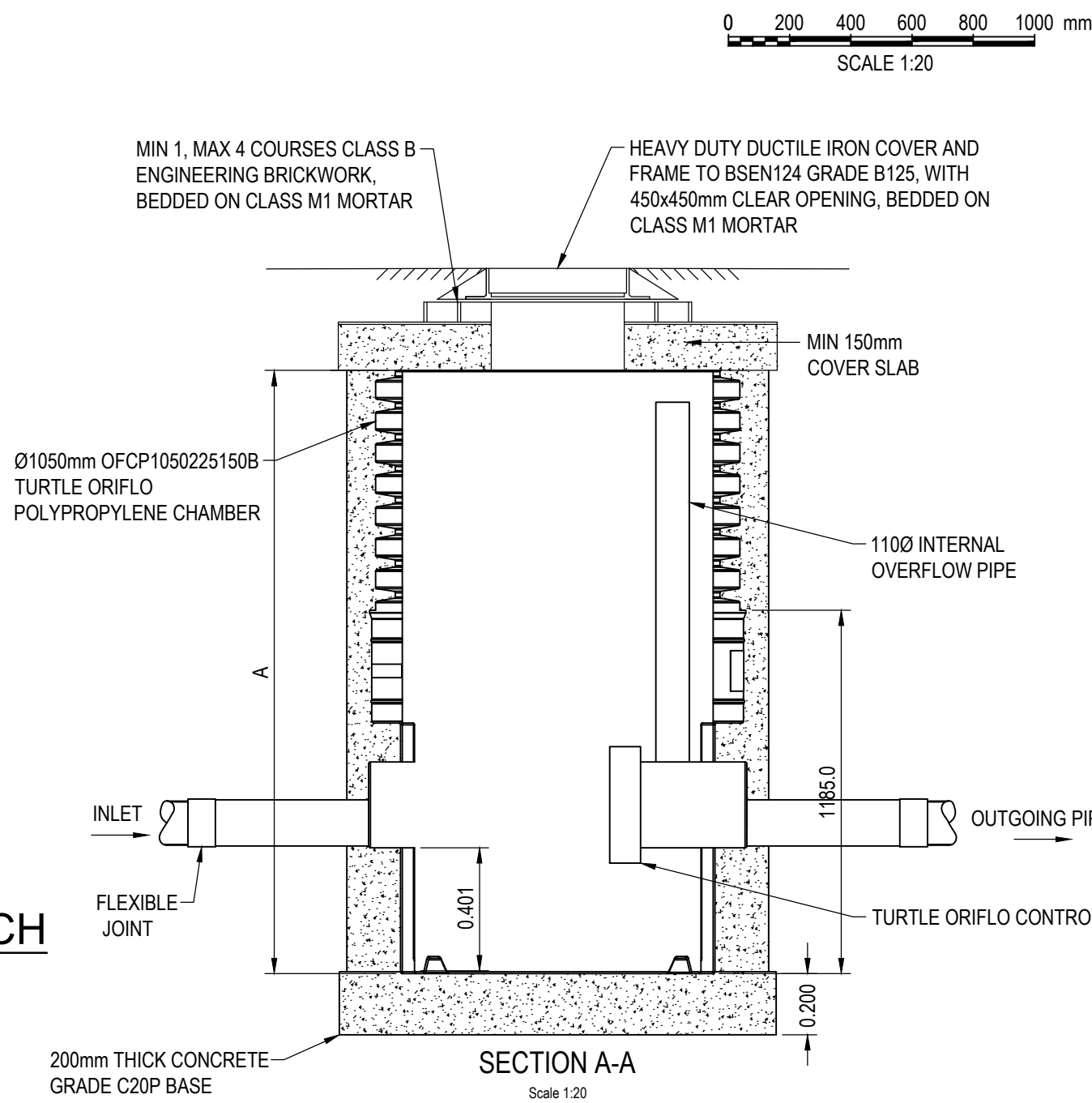
NOTES: (TYPE Z ONLY)
6. WHERE PIPES WITH FLEXIBLE JOINTS ARE USED, THE CONCRETE PROTECTION IS TO BE INTERRUPTED OVER ITS FULL CROSS SECTION AT INTERVALS NOT EXCEEDING 5 METRES (OR AS DIRECTED BY THE ENGINEER) BY A SHAPED FORMER OF BITUMEN IMPREGNATED COMPRESSIBLE FILLER. THESE INTERRUPTIONS SHALL COINCIDE WITH PIPE JOINTS. SEE DIMENSIONS FOR PIPE BEDDING TABLE FOR THICKNESS OF COMPRESSIBLE FILLER.
7. CONCRETE TO BE GRADE GEN 3. WHERE FLEXIBLE PIPES ARE USED, CARE MUST BE TAKEN
8. TO PREVENT THE PIPES FROM FLOATING.

BEDDING DETAILS
SCALE 1:20



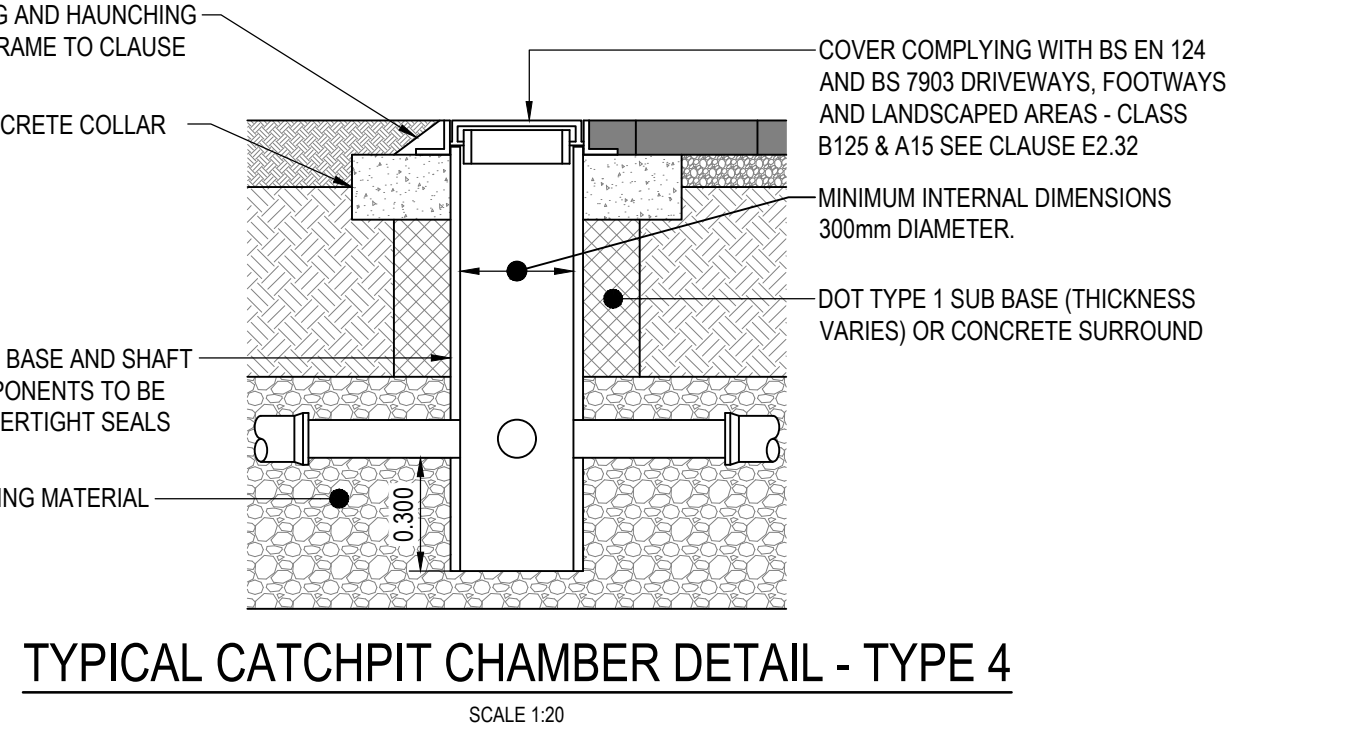
NOTES: 1. DRAINAGE CHANNELS TO BE ACO HEXDRAIN OR SIMILAR APPROVED
2. FOUNDATION FOR CHANNELS TO BE LAID ON A ROLLED SUB-BASE OF 150mm MINIMUM THICKNESS.
3. GRATING LOAD CLASSIFICATION TO BE C250/ D400
4. RWP'S TO HAVE ACO DOWNPIPE CONNECTORS TO CHANNEL GRATINGS - REFER TO MANUFACTURERS GUIDELINES

SECTION A-A THROUGH DRAINAGE DITCH
SCALE 1:20

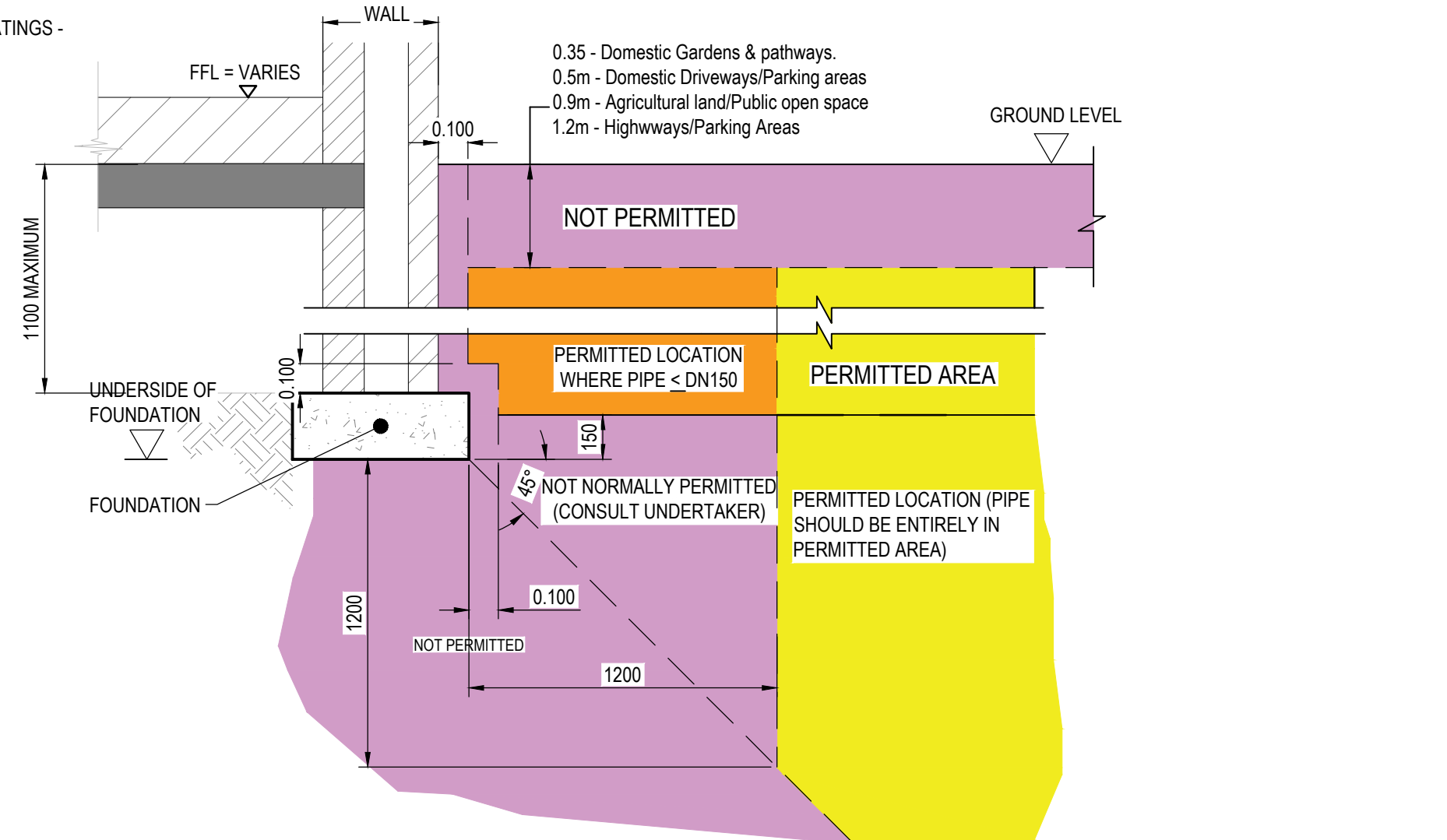


FLOW CONTROL REF	COVER LEVEL (m)	INVERT LEVEL (m)	ORIFICE SIZE (mm)	FLOW RATE (l/s)
S4	99.650	98.000	20	1.0

Ø1050MM TURTLE ORIFLO CATCHPIT
INSPECTION CHAMBER INCORPORATING
FLOW CONTROL DEVICE
SCALE 1:20



TYPICAL CATCHPIT CHAMBER DETAIL - TYPE 4
SCALE 1:20



TYPICAL DRAINAGE DETAIL IN CLOSE PROXIMITY OF FOUNDATIONS
(DETAIL IN ACCORDANCE WITH SFA FIGURE B1)

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE SHOWN IN METRES UNLESS NOTED OTHERWISE.
 - DO NOT SCALE FROM THE DRAWING. USE FIGURED DIMENSIONS ONLY.
 - ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO THE ENGINEER.
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS, SUBCONTRACTORS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.
 - EXISTING SERVICES HAVE NOT BEEN SHOWN BUT ARE PRESENT - THE CONTRACTOR IS TO LIAISE WITH ALL STATUTORY AUTHORITIES PRIOR TO THE COMMENCEMENT OF ANY WORKS.

APPROVAL

03	CC	SU	MJ	15.11.24	POROUS ASPHALT DETAIL ADDED
02	CC	FP	MJ	14.10.24	APPROVAL ISSUE
01	CC	FP	MJ	08.10.24	PRELIMINARY ISSUE
rev.	drawn	chkd	appvd	date	description
Client ABI JONES					
Project LAND OFF GRAIG ROAD, PONTARDAWE, NEATH PORT TALBOT.					
Title PROPOSED DRAINAGE DETAILS					
 Vale Consultancy CONSULTING CIVIL & STRUCTURAL ENGINEERS 29 Bocam Park, Old Field Road, Pencoed, Bridgend CF35 5LJ. Phone: 01656 863794 Email: enquiries@vale-consultancy.co.uk					
date	drawn	checked	approved		
09.10.24	CC	FP	09.10.24	MJ	09.10.24
scale @ A1		project no.			
AS STATED		20215			
status	drg. no.				rev.
A	20215_501				03