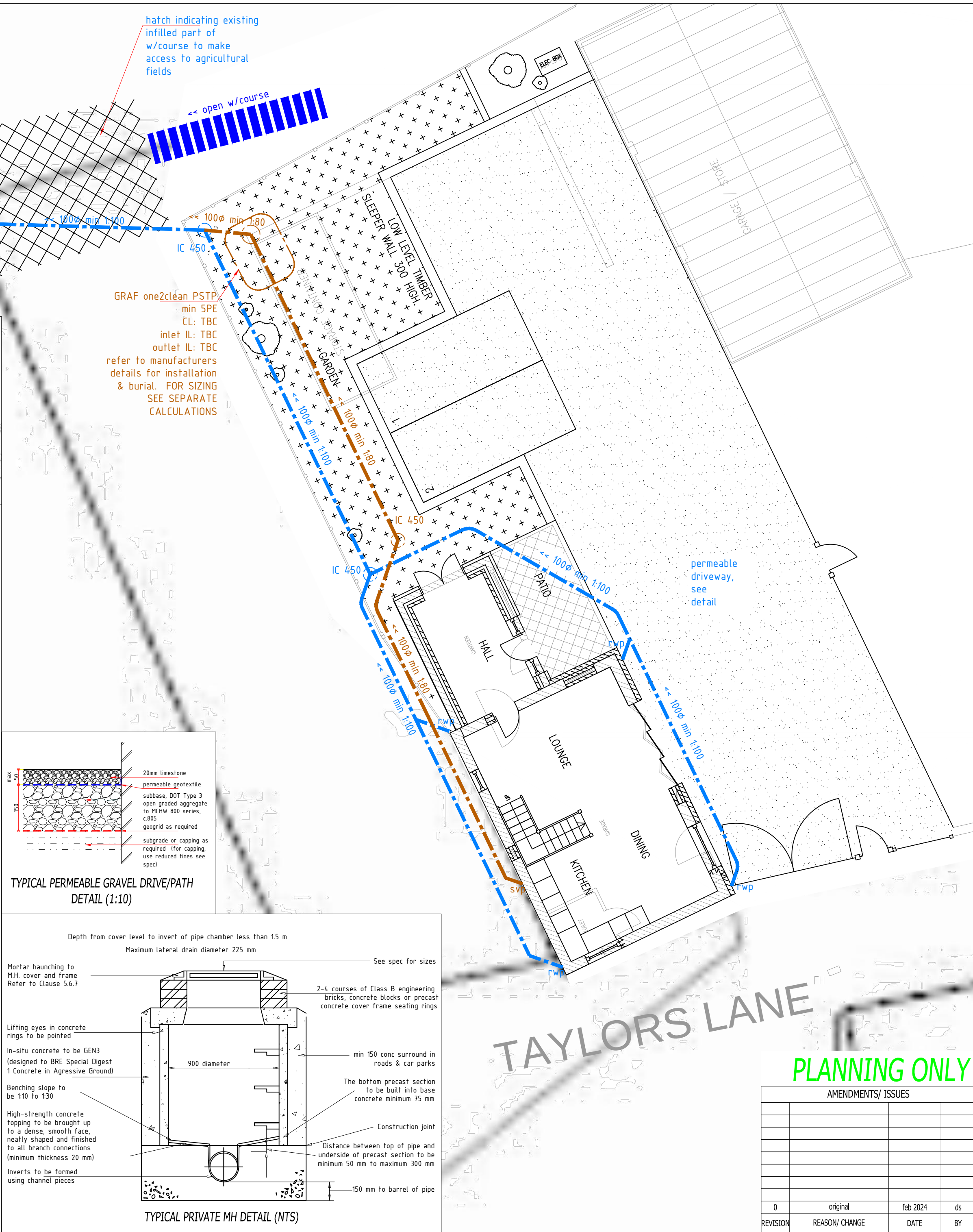
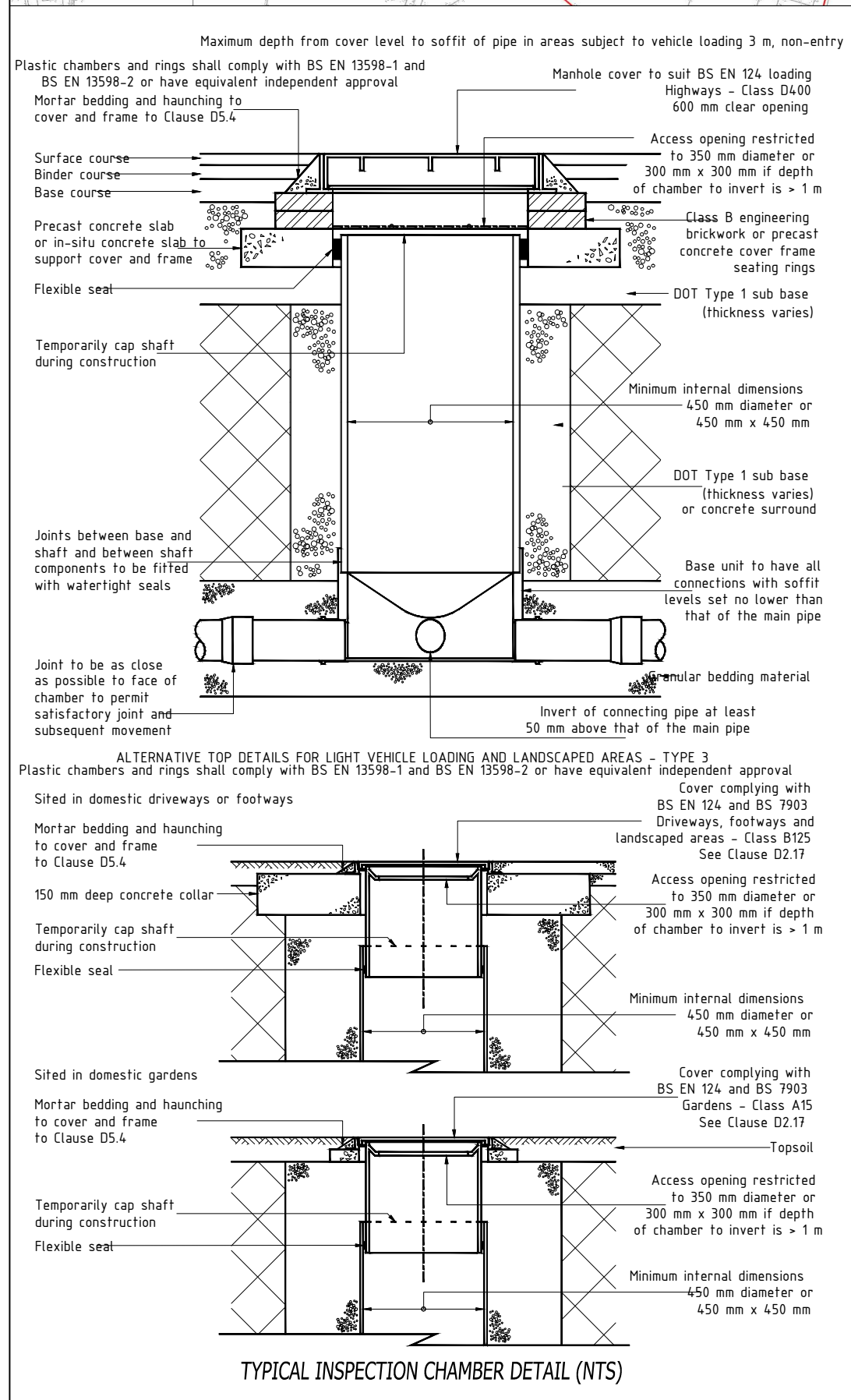




NPPF HIERARCHY OF SURFACE WATER DISCHARGE OPTIONS		
DISCHARGE TYPE	METHOD ADOPTED	REASONING
1. into the ground (infiltration)	NO	BGS maps & site investigations confirm the site is underlain by glacial clays, and infiltration via soakaways for roof areas etc is unsuitable. However, external areas such as driveways and patios may benefit from permeable materials such as gravel, to mimic the greenfield status of the Site.
2. to a surface water body	YES	Watercourse adjacent to northwest Site corner. It is proposed to discharge roof water to the minor watercourse, which is culverted to the east of the area and ultimately forms a tributary to the Blackshaw Brook.
3. to a SW sewer, highway drain, or another drainage system	NO	None noted in the local area.
4. to a combined sewer	NO	Noted to the east Site corner for FW only.

CIRIA C753 TABLE 20.15 OPERATION & MAINTENANCE REQUIREMENTS FOR PERVIOUS PAVEMENTS		
MAINTENANCE SCHEDULE	REQUIRED ACTION	TYPICAL FREQUENCY
Regular maintenance	Brushing and vacuuming (standard cosmetic sweep over whole surface)	Once a year, after autumn leaf fall, or reduced frequency as required, based on site-specific observations of clogging or manufacturer's recommendations – pay particular attention to areas where water runs onto pervious surface from adjacent impermeable areas as this area is most likely to collect the most sediment
Occasional maintenance	Stabilise and mow contributing and adjacent areas Removal of weeds or management using glyphosate applied directly into the weeds by an applicator rather than spraying	As required As required – once per year on less frequently used pavements
Remedial Actions	Remediate any landscaping which, through vegetation maintenance or soil slip, has been raised to within 50 mm of the level of the paving Remedial work to any depressions, rutting and cracked or broken blocks considered detrimental to the structural performance or a hazard to users, and replace lost jointing material Rehabilitation of surface and upper substructure by remedial sweeping	As required As required Every 10 to 15 years or as required (if infiltration performance is reduced due to significant clogging)
Monitoring	Initial inspection Inspect for evidence of poor operation and/or weed growth – if required, take remedial action Inspect silt accumulation rates and establish appropriate brushing frequencies Monitor inspection chambers	Monthly for three months after installation Three-monthly, 48 h after large storms in first six months Annually Annually

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DRAINAGE PLAN & DETAILS

FILE NAME: dwg-tjba-redford-2 taylors ln-290124

SCALE: 1 : 100 & as indicated @ A2