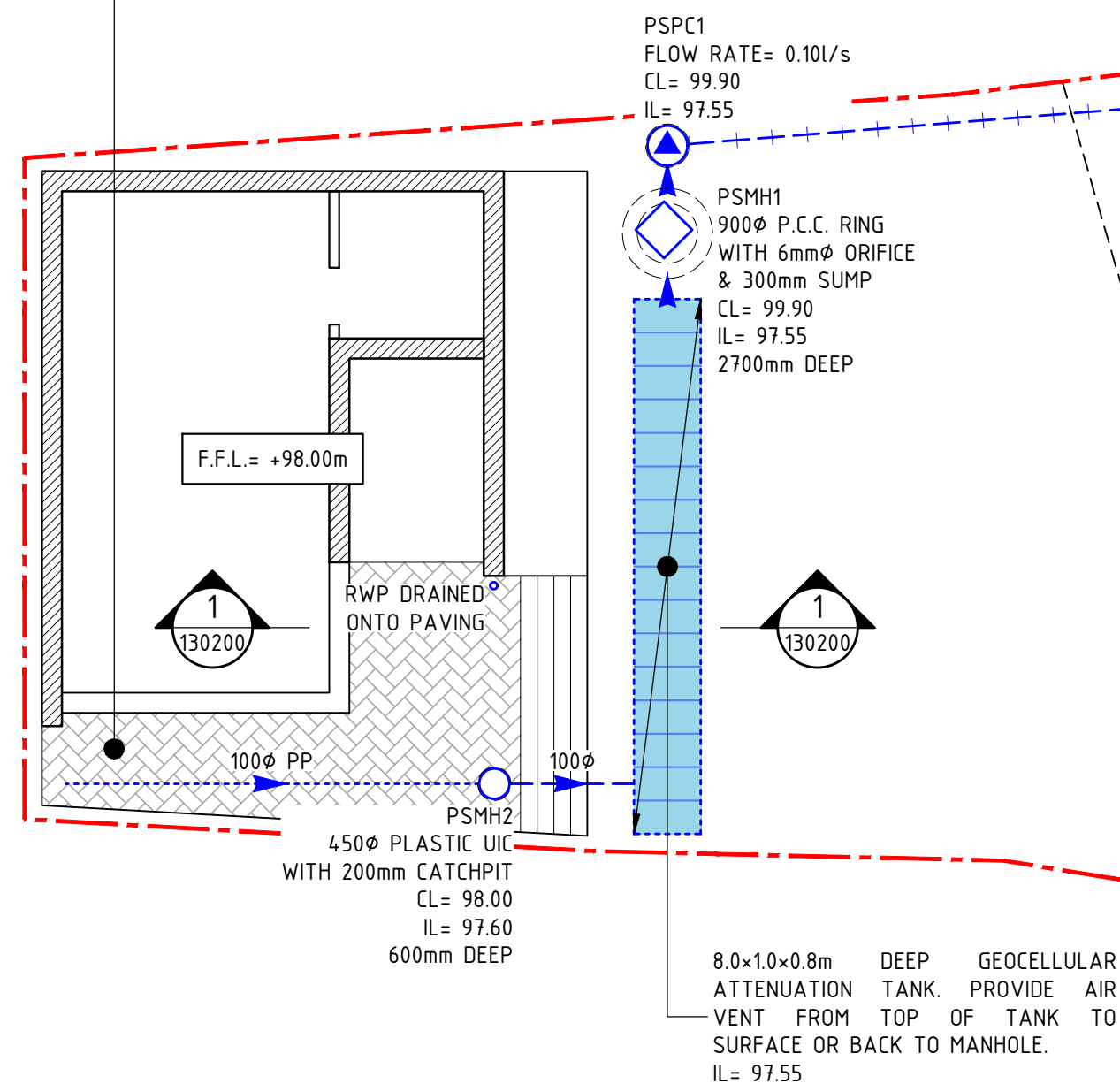


HATCH DENOTES PERMEABLE PAVING OVER STONE DRAINAGE BLANKET (REFER TO DRAWING 130200 FOR BUILD-UP).



MAINTENANCE SCHEDULE

SuDS ELEMENT	ACTIVITY	FREQUENCY	NOTES
GULLIES & DRAINAGE CHANNELS	INSPECT TO CHECK FOR SEDIMENT AND EMPTY IF FULL	ANNUALLY OR AS REQUIRED	ROUTINE/OCCASIONAL. MATERIAL REMOVED SHOULD BE DISPOSED OF AS CONTAMINATED
UNDERGROUND DRAINS	PIPES TO BE CLEANED IF BLOCKED	AS REQUIRED	OCCASIONAL
ORIFICE PLATE	INSPECT FOR BLOCKED ORIFICE IN SPRING AND AUTUMN. UNBLOCK IF NECESSARY	WHEN BLOCKED	ROUTINE/REMEDIAL
PACKAGE PUMP UNIT	MAINTENANCE	ANNUALLY	ROUTINE BY SPECIALIST CONTRACTOR
PACKAGE PUMP UNIT	ATTENDANCE ON PUMP FAILURE	IF PUMP ALARM SOUNDS/LIGHTS UP	OCCASIONAL BY SPECIALIST CONTRACTOR
PERMEABLE PAVING	SWEEP CLEAN OF LEAVES AND DEBRIS	MONTHLY OR MORE OFTEN AS REQUIRED	REGULAR MAINTENANCE
PERMEABLE PAVING	VACUUM CLEANING THE SURFACE	5 YEARLY	REGULAR MAINTENANCE
PERMEABLE PAVING	LIFT AND RELAY	INTERVALS OF APPROXIMATELY 20 YEARS	REMEDIAL MAINTENANCE
STONE DRAINAGE BLANKET	LIFTED, CLEANED OF SILT AND RE-LAID	AFTER 20 TO 40 YEARS ANTICIPATED	REMEDIAL MAINTENANCE. TRIAL AREA TO BE EXPOSED AND CHECKED BEFORE PAVING RE-LAID. MATERIAL REMOVED SHOULD BE DISPOSED OF AS CONTAMINATED

DRAINAGE SPECIFICATION

- FOUL DRAINS ARE TO BE 100mm NOMINAL DIAMETER LAID AT A GRADIENT NOT FLATTER THAN 1:70 U.N.O.
- DRAINS ARE TO BE CONSTRUCTED USING FLEXIBLE UPVC PIPES TO BS4660 OR VITRIFIED CLAY PIPES TO BS 65 WITH FLEXIBLE JOINTS BEDDED AND BACKFILLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND BS 8301.
- 100mm RIGID PIPES WITH LESS THAN 300mm COVER OR PIPES OF 150mm OR GREATER DIAMETER WITH LESS THAN 600mm COVER ARE TO BE SURROUNDED BY 150mm OF CONCRETE WITH MOVEMENT JOINTS PROVIDED AT EVERY PIPE JOINT.
- FLEXIBLE PIPES WITH LESS THAN 600mm COVER ARE TO BE SURROUNDED WITH CONCRETE OR TO HAVE CONCRETE PAVING SLABS LAID AS BRIDGING ABOVE THE PIPE. PIPES UNDER BUILDINGS ARE TO BE SURROUNDED WITH 100mm MIN. OF GRANULAR MATERIAL.
- ACCESS TO DRAINS MAY PROVIDED BY VITRIFIED CLAY, GRP OR POLYPROPYLENE INSPECTION CHAMBERS TO BS 7158, OR MANHOLES CONSTRUCTED USING CLASS B ENGINEERING BRICKS TO BS 3921, OR PRECAST CONCRETE SECTIONS TO BS 5911, SURROUNDED WITH 150mm OF CONCRETE MINIMUM DIMENSIONS TO CONFORM TO TABLE 8 OF BS 8301. COVERS AND FRAMES FOR MANHOLES/INSPECTION CHAMBERS MUST COMPLY WITH THE APPROPRIATE LOADING GRADE OF BS 497 OR BS 5911.
- PROVIDE GULLIES AND RWP'S WITH RODDABLE ACCESS.
- ALL PIPES THAT CONNECT TO MAIN RUN DRAINAGE MANHOLES TO BE FIXED 'CROWNS ADJACENT'
- CONCRETE BEDDING & SURROUND TO BE MIX TYPE GEN 1 TO TABLE 6 OF BS 5328-PART 2 U.N.O. IF A DIFFERENT 'GEN' MIX IS SPECIFIED IT WILL BE TO THE ABOVE TABLE.
- ALL RWP'S TO CONNECT INTO RODDABLE GULLIES.

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DRAINAGE NOTES

NOTATION KEY

- FOUL WATER PIPE RUN
- FOUL WATER RISING MAIN
- FOUL WATER MANHOLE OR INSPECTION CHAMBER
- FOUL WATER PUMPING CHAMBER

- SURFACE WATER PIPE RUN
- SURFACE WATER RISING MAIN
- SURFACE WATER MANHOLE OR INSPECTION CHAMBER
- SURFACE WATER PUMPING CHAMBER
- SOIL AND VENT PIPE
- RAIN WATER PIPE
- STUB STACK

- LD: LINEAR DRAIN (ACO OR EQUIVALENT)
- RE: RODDING EYE
- VBD: VERTICAL BACKDROP
- PP: PERFORATED PIPE
- TG: TRAPPED GULLY
- PSMH: PROPOSED SURFACE WATER MANHOLE
- PFMH: PROPOSED FOUL WATER MANHOLE
- PSPC: PROPOSED SURFACE WATER PUMP CHAMBER
- PPFC: PROPOSED FOUL WATER PUMP CHAMBER

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