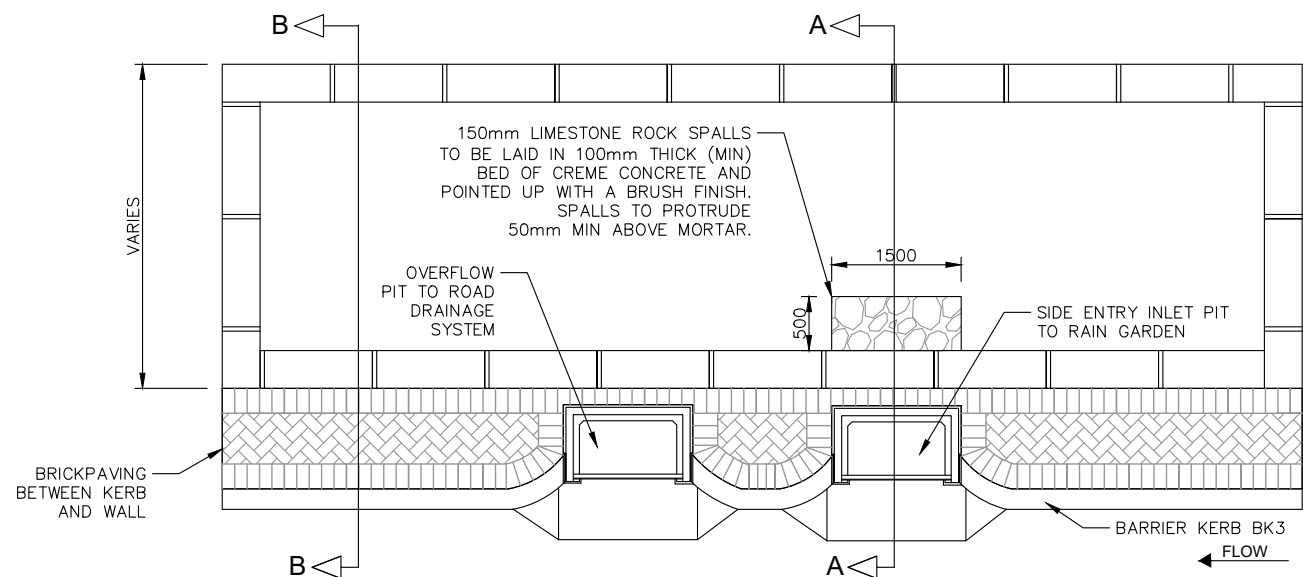


Table A

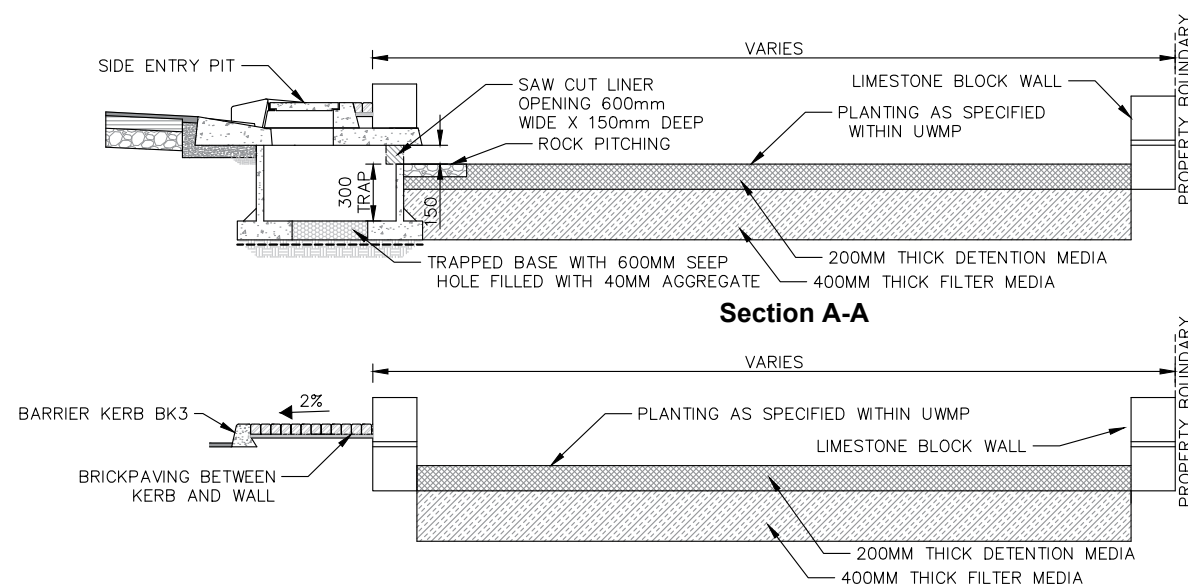
Pipe Size	Pipe Size with Subsoil	Liner Size	Dimension 'A' (SEP)
300-525		1050	830
600-750	300-525	1200	900
900	600-750	1500	900
1200	900	Brick & 1050	830
1350		Brick & 1050	830
1500		Brick & 1200	830

NOTES:

- STEP IRONS ARE REQUIRED IN DRAINAGE STRUCTURES DEEPER THAN 1000mm IN ACCORDANCE WITH AS 1657.
- STEP IRONS SHALL BE DESIRABLY LOCATED FACING ON-COMING TRAFFIC.
- AT LEAST 40% OF THE PIT WALL SHOULD REMAIN IN ANY HORIZONTAL PLANE.
- PIPE HOLES IN LINER SHOULD BE SEPARATED BY A MINIMUM SPACE OF 200mm.
- MORTAR TO BE 3:1 CLEAN YELLOW SAND: GP CEMENT MIXTURE.
- INSITU CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 20MPa AT 28 DAYS.
- BACKFILL SURROUNDING PIT AND PIPES TO BE COMPACTED TO 95% MMDD.
- PIPES TO BE SAW CUT AND PROTRUDE 100mm MAX INTO LINER AND SEALED WITH MORTAR.
- ALL PIPES SHALL BE INSPECTED BY COUNCIL OFFICERS PRIOR TO BACKFILLING.

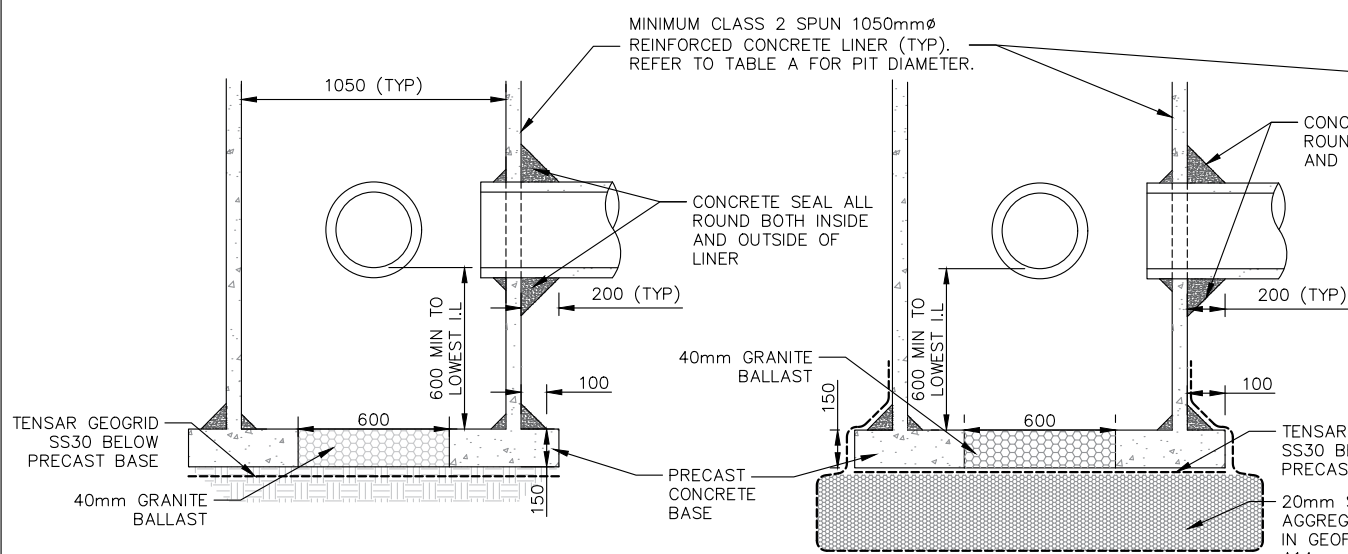


1 Typical Rain Garden - On Grade Detail

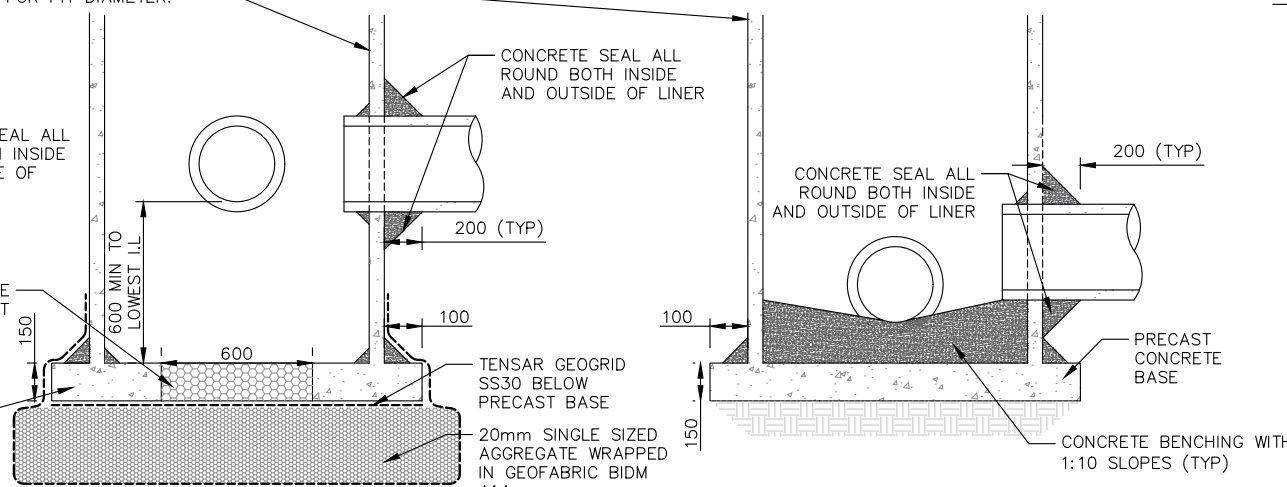


Section A-A

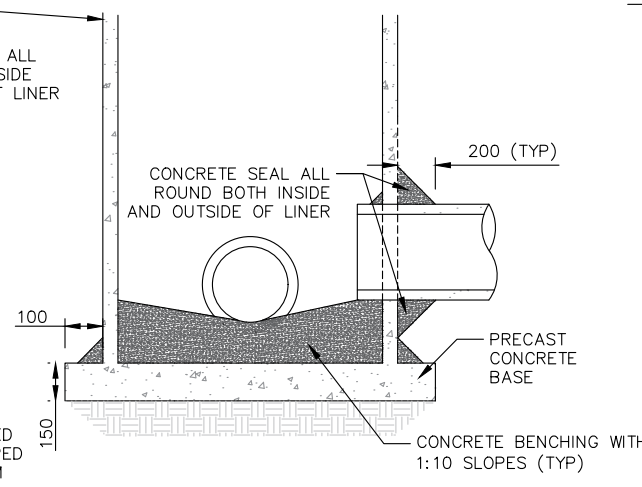
Section B-B



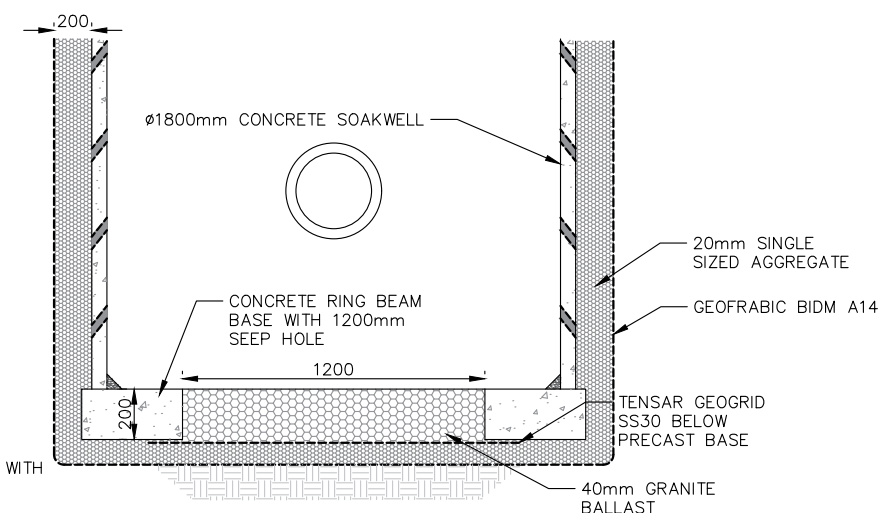
2 Standard Liner and Base Dry Bedding 1 - Trapped



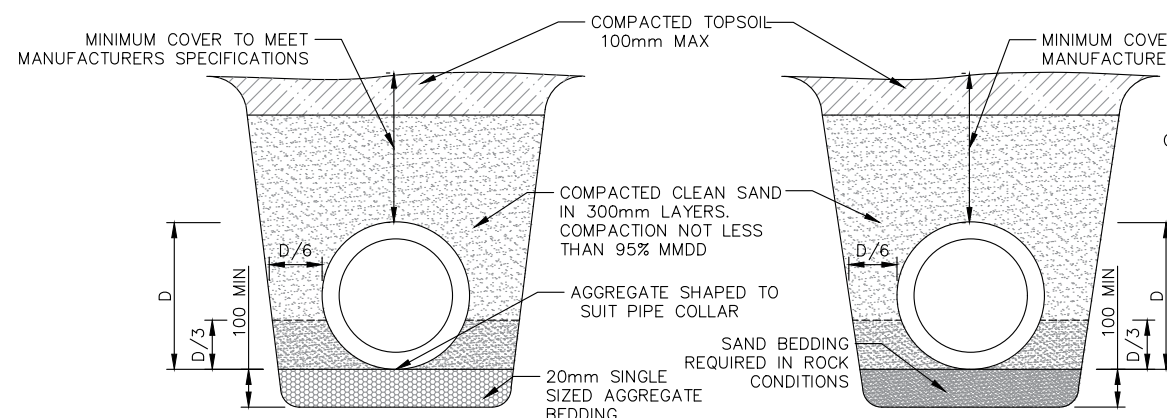
3 Standard Liner and Base Dry Bedding 2 - Trapped



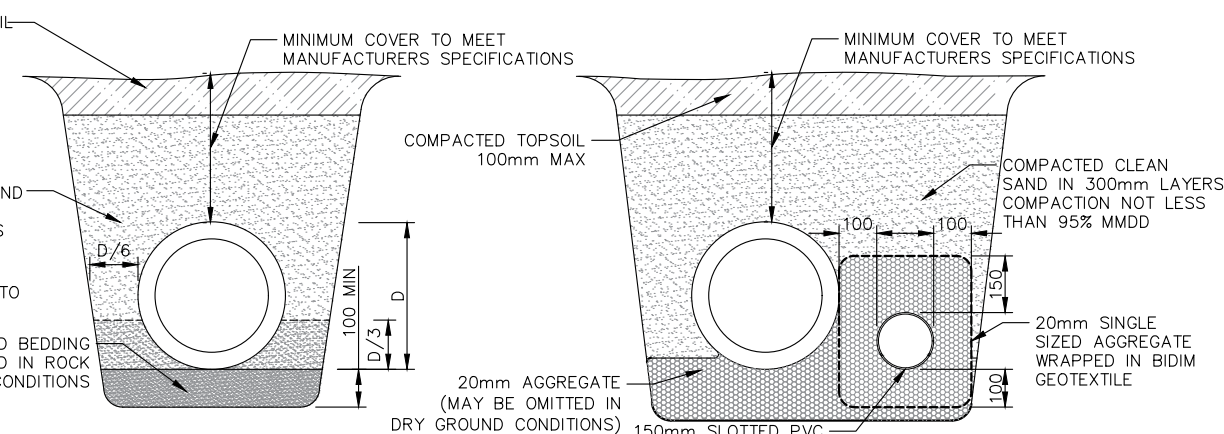
4 Standard Liner and Base Wet Bedding - Benched



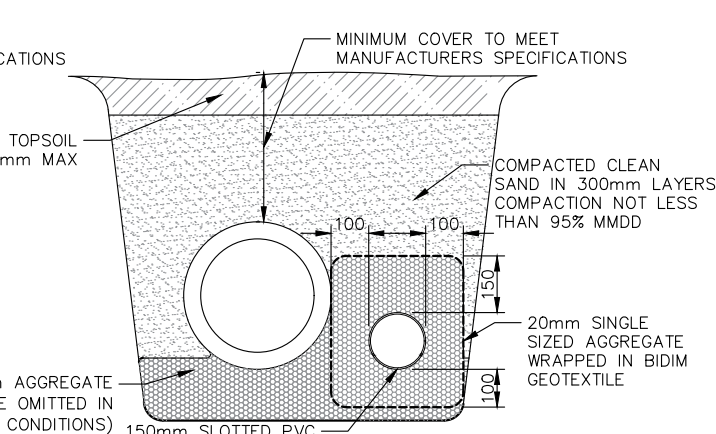
5 Standard Liner and Base Soakwell



6 Wet Bedding Detail



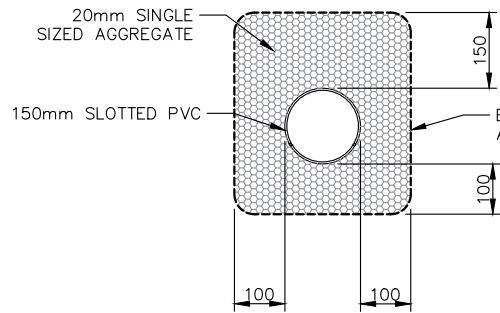
7 Dry Bedding Detail



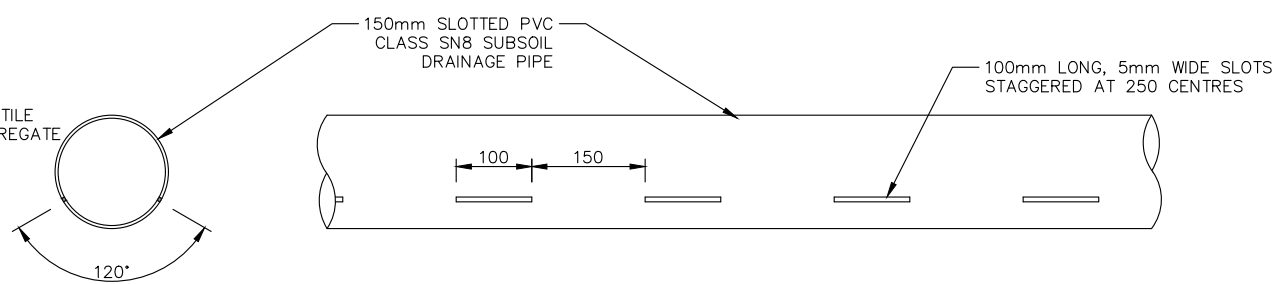
8 Drainage With Subsoil Bedding Detail

NOTES:

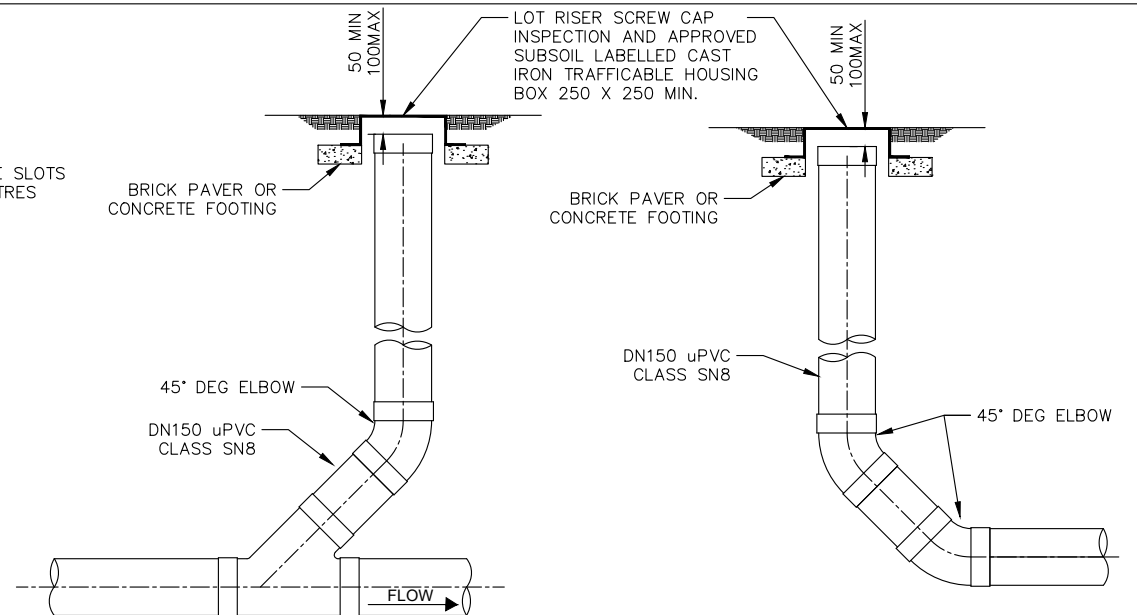
1. STEP IRONS ARE REQUIRED IN DRAINAGE STRUCTURES DEEPER THAN 1000mm IN ACCORDANCE WITH AS1657 AND SHALL BE DESIRABLY LOCATED FACING ON-COMING TRAFFIC.
2. AT LEAST 40% OF THE PIT WALL SHOULD REMAIN IN ANY HORIZONTAL PLANE.
3. HOLES SHOULD BE SEPARATED BY A MINIMUM SPACE OF 200mm
4. ALL PIPES TO BE HAUNCH ONE THIRDS PIPE HEIGHT & COMPACTED USING JUMPING JACK
5. MORTAR TO BE 3:1 CLEAN YELLOW SAND: GP CEMENT MIXTURE.
6. INSITU CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 20MPa AT 28 DAYS.
7. BACKFILL SURROUNDING PIT AND PIPES TO BE COMPACTED TO 95% MMDD.
8. PIPES TO BE SAW CUT AND PROTRUDE 100mm MAX INTO LINER AND SEALED WITH MORTAR.
9. ALL PIPES SHALL BE INSPECTED BY COUNCIL OFFICERS PRIOR TO BACKFILLING.
10. ALL CONCRETE FOR STONE PICHING TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25 MPA AT 28 DAYS WITH 14MM AGGREGATE AND A MAXIMUM SLUMP OF 80MM AT DELIVERY.



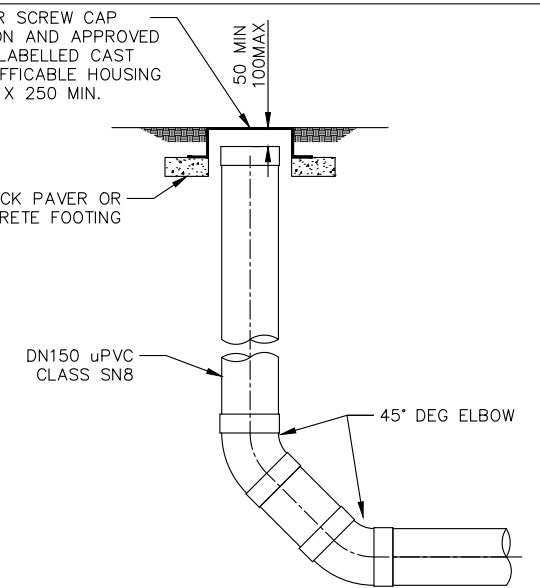
1 Subsoil Detail



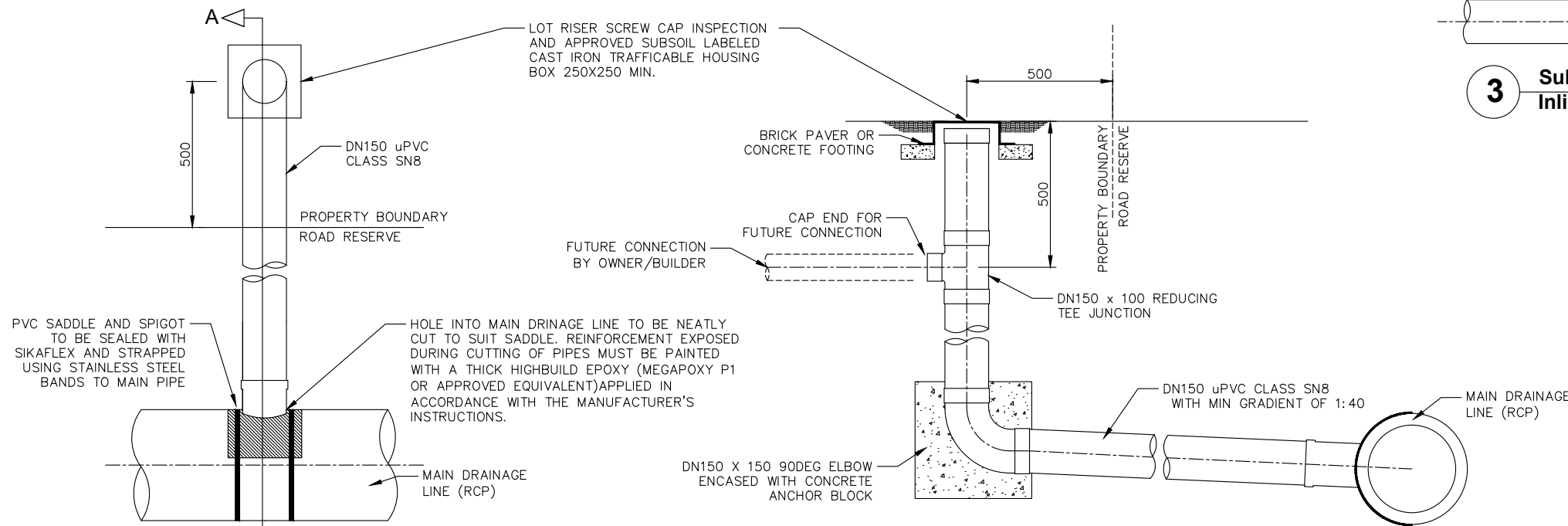
2 Typical Subsoil Slot Layout



3 Subsoil Maintenance Riser Inline

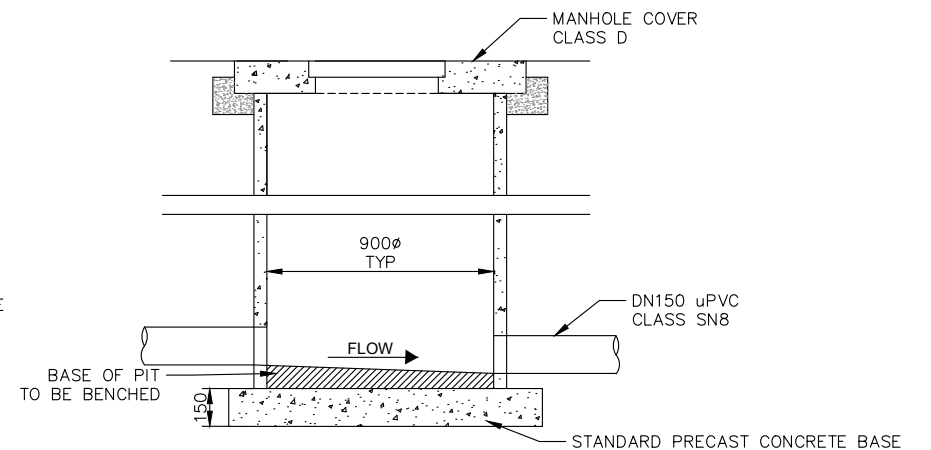


4 Subsoil Maintenance Riser End

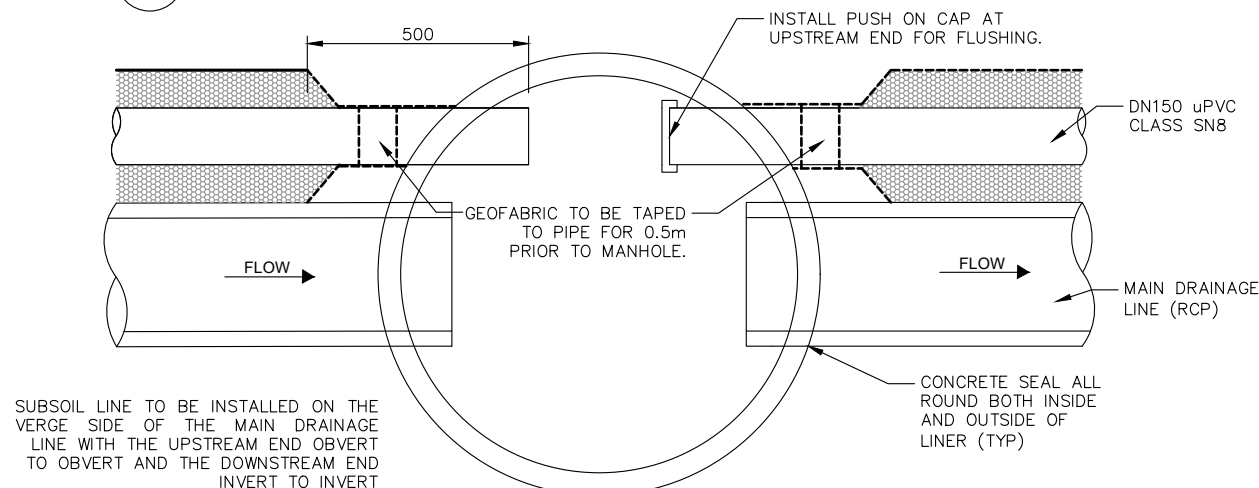


5 Lot Connection Detail

6 Lot Connection Section A-A



7 Subsoil Maintenance Chamber



8 Subsoil Drainage Detail

NOTES:

1. MAINTENANCE RISER TO BE LOCATED AT 60m MAX SPACING AND UPSTREAM EXTREMITIES.
2. MAINTENANCE CHAMBERS ARE TO BE USED EVERY 120m AND AT THE JUNCTION OF TWO OR MORE INLET PIPES AND THE CHANGE OF PIPE SIZE.
3. SUBSOIL PIPE TO BE SLOTTED UPVC CLASS SN8.
4. RCP OR UNSLOTTED UPVC CLASS SN8 TO BE USED DIRECTLY UNDER ROAD PAVEMENTS.
5. STEP IRONS ARE REQUIRED IN DRAINAGE STRUCTURES DEEPER THAN 1000MM IN ACCORDANCE WITH AS1657.
6. MORTAR TO BE 3:1 CLEAN YELLOW SAND: GP CEMENT MIXTURE.
7. INSITU CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 20MPa AT 28 DAYS.
8. BACKFILL SURROUNDING PIT AND PIPES TO BE COMPACTED TO 95% MMDD.
9. PIPES TO BE SAW CUT AND PROTRUDE 100mm MAX INTO LINER AND SEALED WITH MORTAR.
10. AT LEAST 40% OF THE PIT WALL SHOULD REMAIN IN ANY HORIZONTAL PLANE.
11. HOLES SHOULD BE SEPARATED BY A MINIMUM SPACE OF 200mm
12. ALL PIPES TO BE HAUNCH ONE THIRDS PIPE HEIGHT & COMPACTED USING JUMPING JACK.
13. ALL PIPES SHALL BE INSPECTED BY COUNCIL OFFICERS PRIOR BACKFILLING.