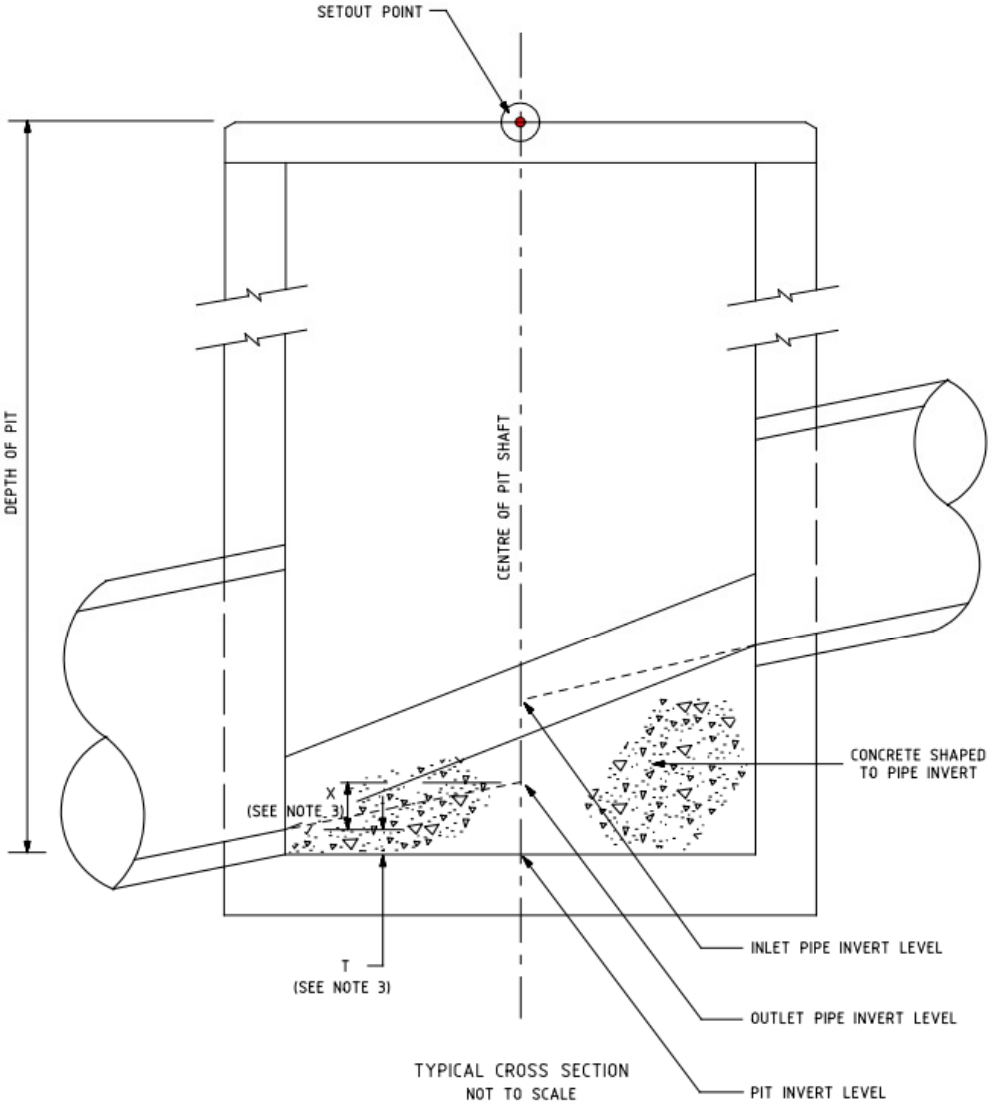

TYPICAL CROSS SECTION
NOT TO SCALE

NOTES:

1. THIS DRAWING IS INTENDED TO CLARIFY THE POSITIONS OF THE PIT AND PIPE INVERT LEVELS, AND THE DEPTH OF PIT SHOWN ON THE PIT SCHEDULES. THE PIPE INVERT LEVELS ARE THE PROJECTED LEVELS TO THE CENTRE OF THE PIT SHAFT AS SHOWN. THEY ARE NOT THE ACTUAL INVERT LEVELS AT THE PIT WALLS.
2. FOR STEEP SLOPES AND/OR WIDE HAUNCHED PITS, ACTUAL PIPE INVERT LEVELS SHOULD BE SHOWN AT THE PIT WALLS ON THE DRAINAGE LONGITUDINALS, UNLESS OTHERWISE AGREED WITH THE PROJECT MANAGER.
3. T = 60mm OR THICKNESS OF PIPE WHICHEVER IS THE GREATER.
   PIT INVERT LEVEL = OUTLET PIPE INVERT LEVEL - X - T.
   REFER TO ROAD DESIGN NOTE 9-6A FOR FURTHER EXPLANATION
4. CLASS 1 PIPES ARE FIBRE REINFORCED CONCRETE PIPES.

TABLE OF PIPE THICKNESSES

PIPE SZE Nominal Diameter (mm)	PIPE THICKNESS (mm)						
	Class 1	Class 2	Class 3	Class 4	Class 6	Class 8	Class 12
225	16.5	-	-	-	-	-	-
300	21	29	29	35	45	55	70
375	24.5	32	32	38	50	60	80
450	29.5	38	38	44	55	70	90
525	34	-	-	-	-	-	-
600	39	44.5	51	51	70	80	110
675	41	-	-	-	-	-	-
750	44.5	54	60	60	80	95	125
900	-	57	64	70	90	110	155
1050	-	64	73	83	100	130	175
1200	-	70	83	95	110	145	200
1350	-	76	92	105	120	160	225
1500	-	82.5	98	114	140	175	235
1800	-	95.5	114	133	170	215	300
2100	-	101	135	150	185	255	345

REFER TO NOTE 3

DISCLAIMER (APRIL '23): THIS DRAWING IS IN THE PROCESS OF BEING UPDATED. FOR ALL STRUCTURAL REQUIREMENTS REFER BRIDGE TECHNICAL NOTE (BTN) 033: STRUCTURAL REQUIREMENTS FOR REINFORCED CONCRETE DRAINAGE PITS. GEOMETRIC DIMENSIONS SHOWN ON THIS DRAWING MAY BE USED AS A GUIDE AND MODIFIED WHERE NECESSARY TO ACHIEVE COMPLIANCE.

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B	J.B.	1/8/02	CLASS 1 PIPE THICKNESS DETAILS & NOTE 4 ADDED
A	A.W.	1/2/98	CLASSES 6 & 8 REPLACE CLASSES 5 & 6 IN TABLE

GENERAL NOTES / CROSS REFERENCES

1. PIT DIMENSIONING AND SETTING OUT DETAILS	SD 1001
2. UNHAUNCHED PITS	SD 1011
3. HAUNCHED PITS	SD 1021
4. PIT COVERS	SD 1051

5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE

DESIGNED PRINCIPAL ROAD DESIGN ENGINEER
APPROVED 1.2.98
CATALOG:PRED
PROJECT:sddgnnew

vicroads design
ENGINEERING & TECHNOLOGY CONSULTANTS

COMPUTER FILE sd-1002b.dgn
SCALE OF METRES HOR NOT TO SCALE VER

STANDARD DRAWING

PIT AND PIPE INVERT LEVELS

FILE No.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
			SD 1002	B