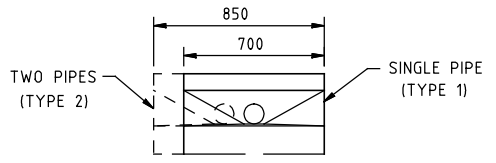
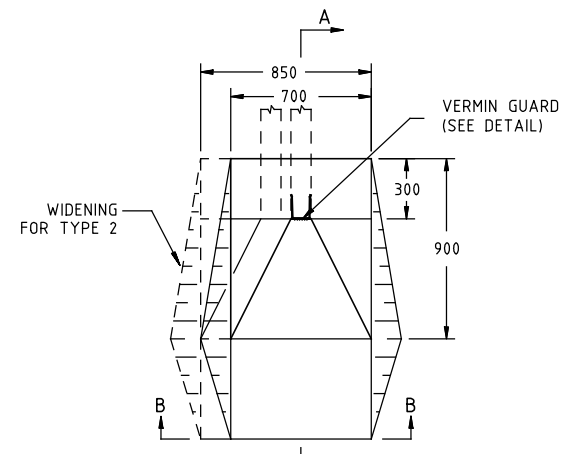


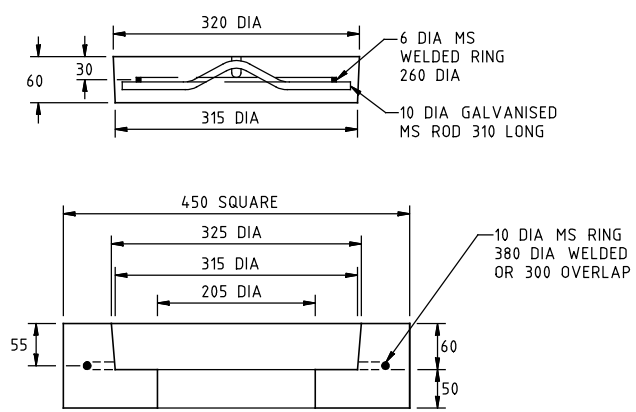
SECTION A-A



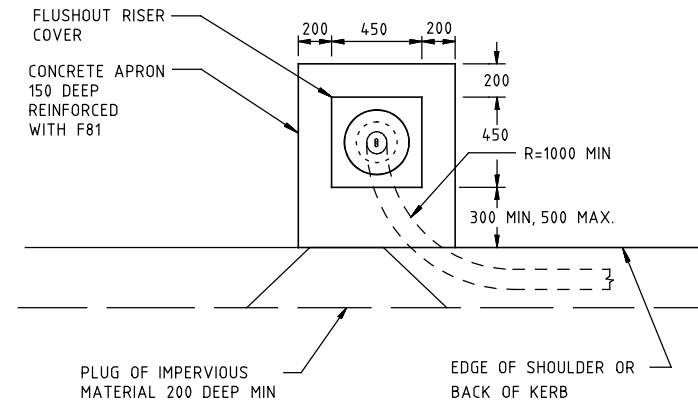
SECTION B-B



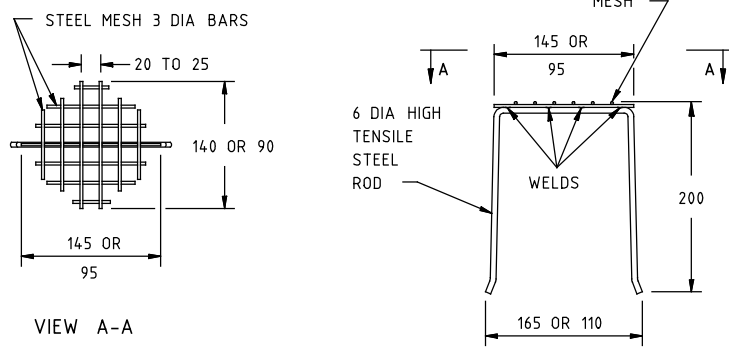
PLAN BATTER OUTLET



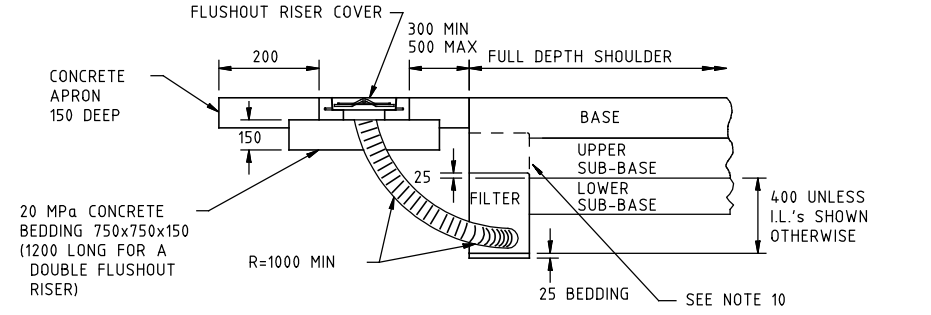
FLUSHOUT RISER COVER



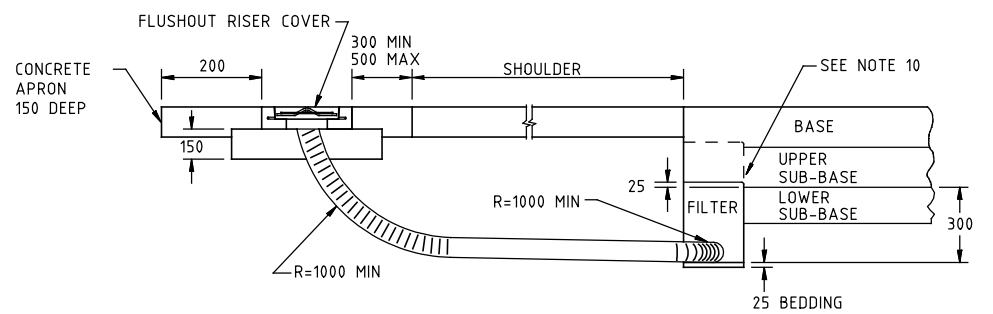
PLAN FLUSHOUT RISER



VERMIN GUARD



SINGLE FLUSHOUT RISER FULL DEPTH SHOULDER



SINGLE FLUSHOUT RISER REDUCED PAVEMENT DEPTH UNDER SHOULDER


NOTES:

- PAVEMENT DRAINS: 100 DIA 1000 KN/m/m CORRUGATED PERFORATED PLASTIC PIPE SHALL BE USED UNLESS SPECIFIED OTHERWISE.
- FORMATION DRAINS: 150 DIA SLOTTED FRC PIPES SHALL BE USED UNLESS SPECIFIED OTHERWISE.
- FLUSHOUT RISERS SHALL ONLY BE USED AT THE START OF RUNS.
- WHEREVER POSSIBLE DRAINS SHOULD DISCHARGE TO FILL BATTERS OR STORM WATER PITS. THE MAXIMUM RUN LENGTH IS 120 m. IF NO OUTLET IS AVAILABLE, INTERMEDIATE PITS MAY BE USED AT 120 m INTERVALS.
- IN FOOTPATHS CAST IRON INSPECTION OPENINGS SHALL BE USED.
- SUBSURFACE DRAIN OUTLETS SHALL BE 200 MIN ABOVE TABLE DRAIN INVERTS.
- ALL PIPES INCLUDING OUTLETS SHALL BE BEDDED ON MIN 25 mm OF BEDDING MATERIAL.
- TRENCHES FOR FLUSHOUT RISERS AND BATTER OUTLETS SHALL BE BACKFILLED WITH FILTER MATERIAL TO THE UNDERSIDE OF SHOULDER OR TOPSOIL LEVEL.
- ALL FILTER MATERIAL SHALL BE COMPACTED AS SPECIFIED.
- DIAGRAMS APPLY WHERE SUB-BASE IS AT LEAST TEN TIMES MORE PERMEABLE THAN THE BASE. WHERE THIS REQUIREMENT IS NOT MET, FILTER MATERIAL SHALL BE EXTENDED TO THE TOP OF SUB-BASE AS SHOWN ON THE DETAILED SECTIONS ABOVE. REFER SD 1601 AND TECHNICAL BULLETIN NO 32.
- CAST-IN-SITU CONCRETE SHALL BE NORMAL-CLASS N25 STANDARD STRENGTH GRADE OR HIGHER COMPLYING WITH THE REQUIREMENTS OF AS 1379.
- FOR PAVEMENT DRAIN ALTERNATIVE ARRANGEMENTS REFER DRAWING SD1641

E	J.K.	1/7/05	DRAWING FORMAT AMENDED
D	J.B.	1/8/02	SUBSURFACE DRAIN TRENCH HAS BEEN AMENDED TO EXTEND TO THE UNDERSIDE OF THE BASE LAYER
C	J.B.	OCT99	CONCRETE APRON SIZE REDUCED
B	J.C.	1.2.98	AMENDMENT TO NOTE 11, CONCRETE STRENGTH GRADES
A	J.C.	1.7.95	GEN NOTES 1 TO 5, NOTES 1 & 11 CONCRETE GRADE FOR BEDDING, VERMIN GUARD, PLAN OF CONCRETE APRON.
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES	
1. ALL DIMENSIONS ARE IN MILLIMETRES	
2. SUBSURFACE DRAIN - TYPES	SD 1601
3. SUBSURFACE DRAIN - PITS	SD 1611
4. SUBSURFACE DRAIN - LOCATION	SD 1621
5. PAVEMENT DRAIN - LEGEND OF ALTERNATIVES	SD 1641

DESIGNED PRINCIPAL ROAD DESIGN ENGINEER
APPROVED <i>[Signature]</i>
CATALOG: PRED PROJECT: sddgnnew


 ENGINEERING & TECHNOLOGY CONSULTANTS

STANDARD DRAWING PAVEMENT DRAIN TERMINALS				
CATALOG: PRED	COMPUTER FILE sd-1631d.dgn	SCALE OF METRES	HOR NOT TO SCALE	VER
FILE NO.	CONTRACT NO.	SHEET NO. 702	DRAWING NO. SD 1631	ISSUE E