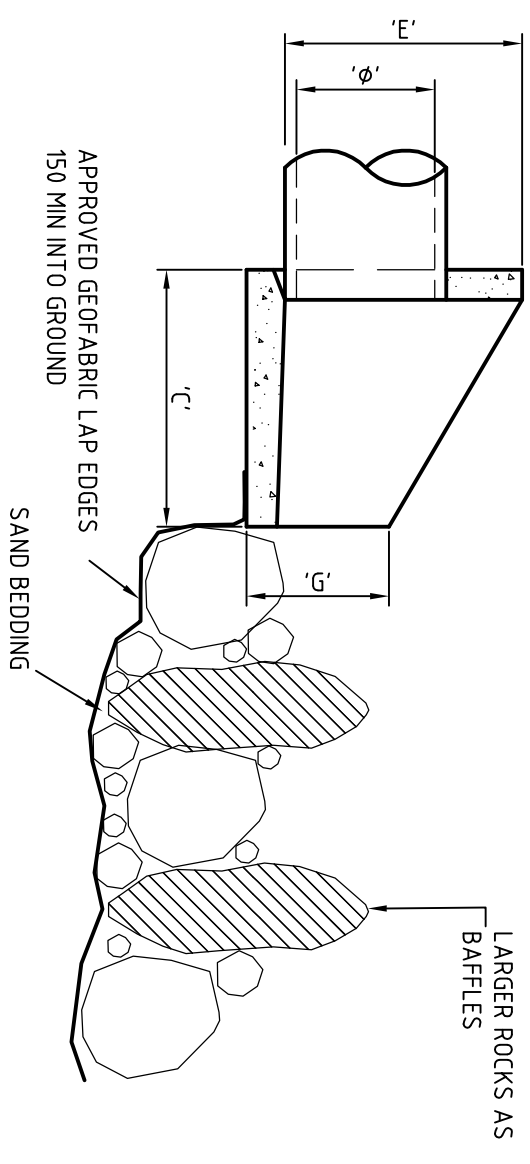


ROCKS SHALL BE HAND PLACED WHERE POSSIBLE AND SHALL BE OF A TIGHT FIT WITH COMPACTED SAND BEDDING.




NOM. PIPE SIZE $\phi$	MASS KGS	NOMINAL DIMENSIONS								AV. ROCK SIZE
		B	C	D	E	G	H	K		
300	600	1680	690	780	880	780	300	750	300-600	
375	640	1680	690	780	1080	780	375	940	375-750	
450	640	1680	690	780	1080	780	450	1120	450-900	
525	620	1680	690	780	1080	780	525	1310	525-1050	
600	620	1680	690	780	1080	780	600	1500	600-200	
750	590	1680	690	780	1080	780	750	1870	750-1500	

**NOTES:**

1. HEADWALL THICKNESS 100mm TYPICAL
2. ROCKS SHALL BE HAND PLACED WHERE POSSIBLE AND SHALL BE OF A TIGHT FIT WITH COMPACTED SAND BEDDING.
3. ROCK BAFLES SHALL HAVE 2/3 EMBEDDED WITH 1/3 ABOVE HEADWALL BASE.
4. 50% OF ROCK WEIGHT MUST BE WITHIN AVERAGE ROCK SIZE RANGE.
5. DO NOT USE THIS STANDARD FOR PIPES LARGER THAN 900mm OR VELOCITIES GREATER THAN 2m/s.
6. ROCK SPILLWAY BASED ON 'GUIDELINES FOR STABILISING WATERWAYS' 1993 BY THE STANDING COMMITTEE ON RIVERS AND CATCHMENTS FIG 4 P11, FIG 6 P13, FIG 11 P19

TITLE:

**HEADWALL DESIGN**



**Shire of Kalamunda**  
DEPARTMENT OF ENGINEERING SERVICES

DRN: **M WILLIAMS**

APPROVED:

DATE: **31/07/2006**

SCALE: **NOT TO SCALE**

DWG NO: **SHEET 6/30**