Note: The quantities shown hereon are approximate and are subject to field adjustments.

TABULATION OF DRAINAGE QUANTITIES

STATE	PROJECT	SHEET NUMBER
ID	PFH 82-1(1)	H.1

STATION	EST MAX COVER (m)	STR EXC (m3)	Removal of Pipe Culvert (each)	Pipe Culvert (meter)						Pipe Arch Culvert (meter)			Energy Dissipator Type	Concrete Headwall	End Sections (each)			Elbow (each)	Inlet Type 5A	Spillway Assembly (each)		Pipe Anchor Assembly (each)			Allow. Pipe Material	BEVELS		FOOTNOTES
DIAMETER or SPAN x RISE (mm)				450	600	750	900	1050	1200	2840 x 1920	3470 x 2220		(See Sht. H.3)	(each)	600	750	900	600	(each)	600	750	600	750		(See key below)			See below for numbered footnotes
ITEM NUMBER			20301A	60201A	60201B	60201C	60201D	60201E	60201F	60202A	60202B			60104	60206A	60206B	60206C	60209	60403	60601A	60601B	60602A	60602B			Lt	Rt	
10+036	0.3	29			17										1			1									1:3	
10+768 Rt	1.4	49			43								2								1		9		X/C	1:1		
10+980	0.7	15			25								1								1		6					
11+520	0.8	7		5									1						1	1		3					1:3	
12+718	1.8	44			30								1								1		5					
12+780	1.4	31			17																					1:3	1:1.5	
13+190	0.8	6		10									1						1	1		5						
13+216	1	27			30								1								1		7			1:3		
13+560	0.6	29			42								1								1		10		A,AS,GS	1:3		
13+860	0.9	17			45								1								1		12		A,AS,GS	1:3		
14+030	0.8	3			18																					1:3	1:3	
14+410	0.8	5		10									1						1	1		5						
14+500	0.6	15			32								1								1		9			1:3		
14+900	0.8	6		12									1						1	1		5						
14+920	0.7	23			31								1								1		7			1:3		
15+680	1.3	44			18								1								1		3			1:3		
15+810	0.8	4		7									1						1	1		4						
16+279	1	36			26								1								1		5			1:3		
17+360	1	25			30								1								1		8			1:3		
17+520	0.8	24			28								1								1		7			1:3		
17+745	0.8	5		11									1						1	1		5						
17+800 Lt	0.5	22		20									2													1:3	1:3	1
PROJECT TOTAL		466		75	432										1			1	6	6	12	27	88					

Dissipator type shown here. Tabulation is located on another sheet. If space permits, dissipator quantities may be shown in column.

This is an example of an Excel spreadsheet. MicroStation format is similar. Normal text size is Arial 8 (TX=2, FT=2).

NOTES

1. Metal pipe culvert minimum wall thickness is the larger of 2.01 mm or the thickness required by the Std. M602-1 fill height table.
2. Aluminized steel pipe culvert minimum wall thickness is the larger of 1.63 mm or the thickness required by the Std. M602-1 fill height table (steel).
3. Plastic pipe is not allowed when final installation is exposed. Furnish metal end sections for all plastic pipe including those specified with bevels. See Detail WM602-5 for acceptable cell class.
4. See Std. M602-7 for acceptable concrete cell class.

Input appropriate wall thickness. Info may also be placed in column if complicated.

Notes apply throughout summary.

FOOTNOTES

1. Approach road culvert

Footnotes apply to specific locations.

SAMPLE

Blank template is called Drainage_Tab.xlt

Allowable pipe culvert material

A	Aluminum
AS	Aluminized steel
C	Concrete
GS	Galvanized steel
P	Plastic
(blank)	Any appropriate material
X/__	Any appropriate material except __

11/2001 D. Checker Checked by: 10/2001 A. Designer Designed by: 28-Nov-2001 11:08 F:\StanDraw\SampleSheets\td8211ds.xls]Sheet