

NOVEMBER 2008
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
PLAN CHECK DEPOSIT BASED FEE WORKSHEET

Engineer _____ Case No./Name _____
 Address _____ Date _____
 Contact Person _____ Phone _____

ITEM	NOTES	UNIT	QUANTITY	UNIT COST (\$)	TOTAL
Unreinforced Conc.	b>8	CY		380.00	
Trap. Inv. -6"*	b≤8	CY		480.00	
Rect. Channel Conc.	L>150	CY		440.00	
(Reinforced)	L<150	CY		615.00	
R.C.B. Concrete	L>150	CY		590.00	
	L<150	CY		820.00	
Junction Structure No. 1		EA		3,550.00	
Junction Structure No. 2		EA		4,730.00	
Junction Structure No. 6		EA		5,910.00	
Transition Structure No. 1		EA		14,770.00	
Transition Structure No. 3		EA		4,725.00	
Slab Bridges	Rebar	LB		1.10	
(See Instructions)	Concrete	CY		540.00	
Channel Excavation	b>8	CY		9.00	
(Trap. Channel)	b≤8	CY		12.60	
Structural Excavation	b>12	CY		11.70	
(RCB & Rect. Channel)	b≤12	CY		16.20	
Compacted Fill	Exc.>Fill	CY		3.25	
	Exc.<Fill	CY		7.30	
A.C. Paving & Base		SF		4.50	
Rock Slope Protection**	1.9 tons/CY	CY		100.00	
Concreted Rock Slope Protect.***	1.9 tons/CY	CY		150.00	
Subdrain	6<b≤16	LF		12.50	
	b>16	LF		25.00	
Cutoff Wall (Std. 2')		LF		13.50	
Catch Basins		LF		560.00	
Inlet Type IX & X		EA		1,800.00	
Manhole No. 1		EA		5,600.00	
Manhole No. 2		EA		6,500.00	
Manhole No. 3		EA		2,100.00	
Manhole No. 4		EA		6,500.00	
Fencing (6' Typ.)		LF		16.00	
Storm Drain Cost Sheet Total					

	Subtotal	(A)
	20% Contingency	
	Subtotal	(B)
	3% of (B)	(C)
	No. of Lots/Units x \$50	(D)
	WQMP (if conditioned)	(E)
	Total (C)+(D)+(E)	
	(C)+(D)+(E) Total = DEPOSIT	

* If b>10 or v>15, Inv., =6"
 ** Use .75 of this for large installations
 *** Use 25% of riprap quantity to determine grouting concrete quantity

Please bill:
 Engineer _____
 Applicant _____ Address _____
 *Total less than \$5,000 = minimum
 **Total more than \$25,000 = maximum

*(\$5,000 min., \$25,000 max.)**
 (Special Study \$750 min. or \$5,000 max.)
 (WQMP \$5,000)

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STORM DRAIN COST SHEET

PLAN CHECK DEPOSIT BASED FEE WORKSHEET

Inside Dia. Inches	RCP \$/LF		Quantity	Total
	w/o AC	W/AC	LF	
18	113.00	132.00		
24	132.00	152.00		
30	153.00	175.00		
36	178.00	201.00		
42	204.00	228.00		
48	235.00	261.00		
54	266.00	293.00		
60	301.00	330.00		
66	338.00	375.00		
72	376.00	414.00		
78	419.00	459.00		
84	464.00	505.00		
90	514.00	557.00		
96	568.00	613.00		
102	626.00	671.00		
108	677.00	724.00		
114	736.00	785.00		
Storm Drain Cost Sheet Total				

In Place Cost Assumes:

- \$11.70 per CY Pipe Excavation
- \$10.40 per CY Pipe Backfill
- \$71.00 per CY Aggregate Base
- \$95.00 per TON Asphalt Concrete
- 5' Cover
- Trench Width = Pipe Diameter + 2'
- Pipe Cost Includes Transportation Costs

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INSTRUCTIONS

PLAN CHECK DEPOSIT BASED FEE WORKSHEET

1. Quantities are to be taken from the submitted improvement plans. Quantities for all flood control and drainage facilities shall be provided, including connector pipes and catch basins.
2. Unit costs shall be as provided on the worksheet.
3. Major items not listed on the worksheet shall be listed in the spaces provided at the bottom of the sheet. If more space is needed, attach a separate sheet and include the total on the worksheet.
4. Cost for items not listed on the worksheet shall be based on the consulting engineer's independent estimate of construction cost. If the District's unit costs are determined to be too low by the District engineer, then higher costs as appropriate shall be used. All costs shall include the complete construction of each item including all labor, equipment and materials.
5. All concrete pipe shall be estimated as Reinforced Concrete Pipe (RCP), not as Cast-in-Place Pipe (CIPP).
6. No quantity estimate is required for Junction Structure Nos. 3, 4 or 7. Their cost is considered to be included in the box, pipe and channel costs, respectively.
7. Bridges shall be estimated individually. Attach a separate sheet with the quantity and the unit cost for each item. Transfer the total cost to the worksheet.
8. Please indicate billing preference of either Engineer or Applicant along with current billing address. It is the consulting engineer's responsibility to notify District of any changes thereof.
9. If submittal is rejected, you will be notified within 10 working days.
10. At the time of billing a 2% County surcharge will be added to the bill per adopted Ordinance 749. A refund will be processed within 45 days of final District approval of a case when there is a balance greater than \$5.00.