

PROJECT \_\_\_\_\_ DESIGNER \_\_\_\_\_ DATE \_\_\_\_\_

		INLET LOCATION (DESIGN POINT)	1	DISCHARGE
SITE SPECIFIC SEE CHAPTER 6		RUNOFF COEFFICIENT C	2	
DRAINAGE AREA TO INLET	ACRES	DRAINAGE AREA A	3	
COLUMN 2 & COLUMN 3		CA	4	
SUMMATION OF COLUMN 4		CA	5	
TIME OF CONCENTRATION TO INLET SEE CHAPTER 6 OR COLUMN 14/COLUMN 20	MIN.	INLET OR CONDUIT TRAVEL TIME	6	
CURRENT INLETS INLET TIME COLUMN 6 OR PRECEDING INLET TIME - CONDUIT TRAVEL TIME COLUMN 6 WHICHEVER IS GREATER	MIN.	TIME OF CONCENTRATION Tc	7	
EXHIBIT V-1 OR V-2 WITH COLUMN 7	IN/HR	RAINFALL INTENSITY _____ YEAR FREQUENCY I	8	
COLUMN 5 & COLUMN 8	CFS	RUNOFF (CA)	9	
ANY OTHER RUNOFF ENTERING STORM SEWER PIPE	CFS	OTHER CONTROLLED RUNOFF	10	
COLUMN 9 & COLUMN 10	CFS	TOTAL RUNOFF, Q	11	
SITE SPECIFIC		PIPE LINE DESIGNATION	12	STORM SEWER SIZE
ASSUME	IN	PIPE DIAMETER	13	
SITE SPECIFIC	FT	LENGTH, L	14	
SITE SPECIFIC	FT/FT	SLOPE	15	
SEE STREET INLET CALCULATION		GUTTER AT INLET OR COVER ELEVATION	16	
SET FOR FIRST INLET THEN CALCULATE AS INLET ELEVATION - COLUMN 14 - COLUMN 15		INLET OR MANHOLE BOTTOM	17	
COLUMN 16 - COLUMN 17	FT	PIPE COVER	18	
		MEETS COVER DESIGN CRITERIA	19	
EXHIBIT IX-1 WITH COLUMNS 13, 15 & PIPE ROUGHNESS	CFS	JUST FULL CAPACITY	20	
EXHIBIT IX-1 WITH COLUMNS 11 AND 13 AND EXHIBIT X-6 WITH RATIO OF COLUMN 11 TO 20	FPS	VELOCITY	21	
		MEETS VELOCITY DESIGN CRITERIA	22	
EXHIBIT V-1 OR V-2 W/COL 7 FOR LAST DN STRN INL IS CONST TILL NO LONGER PRESS FLOW THEN START AGAIN WITH NEW COLUMN 7	IN/HR	RAINFALL INTENSITY _____ YEAR FREQUENCY I	23	HYDRAULIC GRADIENT
COLUMN 5 X COLUMN 23	CFS	TOTAL RUNOFF Q	24	
EXHIBIT IX-1 WITH COLUMN 13, 24 AND PIPE ROUGHNESS	FT/FT	SLOPE	25	
COLUMN 14 AND COLUMN 25	FT	HEADLOSS	26	
DOWNSTREAM HYDRAULIC GRADIENT PLUS COLUMN 26 IF NOT PRESSURE FLOW USE CROWN OF PIPE		ELEVATION OF HYDRAULIC GRADIENT	27	
COLUMN 13 AND COLUMN 17		CROWN PIPE	28	
		PRESSURE FLOW	29	