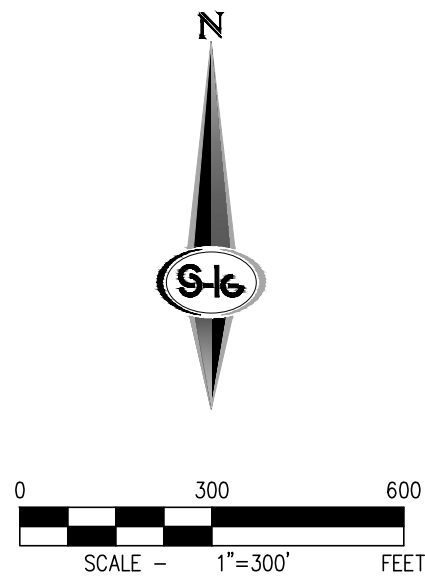




Interim Condition Flow Rate Summary				
Concentration Points				
Basin/Concentration Point ID	Area (m ²)	Q ₁₀₀ (cfs)	Q ₅ (cfs)	
CP1 Q = RD82 + E1STR1	1.1	217	114	
CP2a Q = CP1 + 5.01 + 3.37 + 12 STR1	1.2	271	133	
CP2b Q = CP2a + D83 STR1 + 2.32	1.2	350	182	
CP2c Q = 5.01 + 2.37 + 2.32	0.1	141	68	
CP2d Q = CP2b + CP2c + 10.2 + SVR1 + SVR2	1.5	709	340	
CP3a Q = CP1 + 2.09 + 2.09 + 2.31	0.2	243	92	
CP3b Q = CP3a + 2.04 + 2.08 + 0.1	0.2	317	118	
CP3c Q = E22 + STR1 + STR4 + E33a	1.1	176	69	
CP5 Q = STR8	<0.1	16	8	
CP6 Q = WVC20 + WYF4 + WYSH4-4	<0.1	106	49	
CP7 Q = RD81 + RCP6 + WY4 + RND1 + E27 + STR7 + E33b	1.1	331	179	
CP8 Q = CP7 + E27 + STR8	1.1	363	191	
CP9 Q = CPE + WYR9	1.1	393	203	
CP10 Q = CP9 + D1	1.1	420	217	
Down stream Concentration Point	1.6	761	355	
Down stream Concentration Point	0.1	148	70	
Down stream Concentration Point	1.3	731	358	
Reference Concentration Points				
WVC20	<0.1	86	40	
RD81	0.9	71	57	
RD82	1.0	85	64	

Interim Condition 100-Year Street Flow Summary					
Section ID	Q ₁₀₀ (cfs)	Slope (%)	Depth (ft)	Velocity (fps)	DxV
1 (Q = STR4)	16	2.00	0.41	3.8	1.4
2 (Q = STR3 + Facility P7 Bypass)	10	2.00	0.36	4.1	1.7
3a (Q = "WIRN1" + "WIRN2")	9	2.00	0.42	4.2	1.8
3b (Q = STR2)	13	1.00	0.43	3.0	1.3
(Q = 1/2STR1 + Facility P17 Bypass)	6.5	4.00	0.35	5.2	1.8
*5					
(Q = 1/2STR1 + Facility P20 Bypass + Basin 3.3ZT)	8	1.50	0.43	3.6	1.6
6 (Q = STR5)	10	2.00	0.36	3.8	1.4
7 (Q = 1/2STR6 + Facility P27 Bypass)	13	4.75	0.35	5.4	1.9
8 (Q = 1/2STR6 + Facility P30 Bypass)	14	1.5	0.41	3.57	1.5
*9 (Q = 1/2STR6 + 1/2STR7)	7	3.44	0.38	3.59	1.4

*1 denoted as a Half Street Section
 *Referenced from the "Master Drainage Study Update No.4".

Recommended Flood Control Drop Inlet Summary					
Facility ID	Facility Description	Total/Approaching Flow (cfs) Q ₁₀₀	Facility Flow (cfs) Q ₁₀₀	Surface/Bypass Flow (cfs) Q ₁₀₀	Notes
P7	20.0' Type CM2 D.I.	16	15	1	0.5 cfs bypass per inlet
P9 & P10	17.5' Type CM2 D.I.	10	10	0	
P14	17.5' Type CM2 D.I.	13	13	0	
P17	17.5' Type CM2 D.I.	9	8	1	1 cfs bypass per inlet
P20	17.5' Type CM2 D.I.	7	6	1	1 cfs bypass per inlet
P23	20.0' Type CM2 D.I.	8	8	0	
P27	10.0' Type CM2 D.I.	10	7	3	1.5 cfs bypass per inlet
P30	10.0' Type CM2 D.I.	13	8	5	2.5 cfs bypass per inlet
P32	17.5' Type CM2 D.I.	14	13	1	0.5 cfs bypass per inlet

*Note that in some areas one half of the roadway a/w it will not be bypassed. Therefore, the notes identify the quantity bypassed by each drop inlet.



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