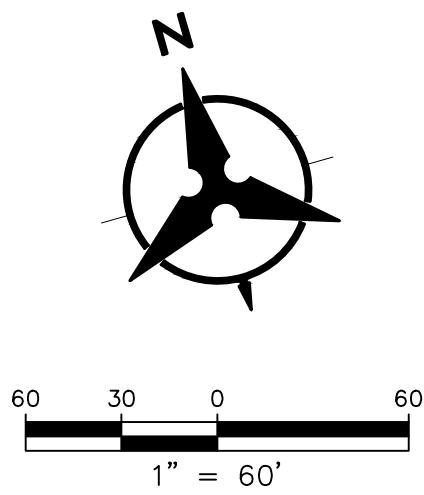


VALLE PRADO
UNITS 1 & 2
INLET AND STORM DRAIN NETWORK MAP



- LEGEND
- PROPOSED STORM DRAIN PIPE
 - PROPOSED STORM DRAIN MANHOLE
 - PROPOSED STORM DRAIN INLET

SUMMARY OF PIPE FLOWS				
ID	SIZE	SLOPE (%)	Q (cfs) ALLOWABLE	Q (cfs) ACTUAL
SDP3	24"	1.4%	27.0	30.2
SDP4	24"	3.1%	39.9	30.2
SDP5	24"	4.3%	46.8	30.2
SDP6	48"	3.5%	269.5	95.7
SDP7	36"	4.9%	148.1	64.5
SDP8	30"	4.5%	86.8	53.7
SDP9	24"	8.6%	66.2	12.4
SDP10	18"	4.8%	23.0	6.2
SDP11	24"	3.8%	44.1	25.2
SDP12	18"	3.7%	20.2	5.3
SDP15	24"	3.5%	42.5	14.6
SDP16	18"	4.4%	22.1	7.3
SDP17	18"	5.2%	23.9	3.1
SDP18	24"	3.3%	41.0	6.2
SDP19	24"	0.5%	16.0	6.2
SDP21	18"	2.2%	15.5	5.4
SDP22	18"	0.7%	8.8	5.4
SDP23	54"	0.5%	132.4	95.7
SDP24	36"	5.7%	159.0	55.4
SDP25	60"	0.4%	164.7	172.9
SDP26	18"	5.3%	24.1	7.5
SDP27	24"	13.1%	82.0	10.9
SDP28	18"	7.4%	78.6	7.5
SDP29	36"	5.7%	159.0	55.4
SDP30	18"	5.0%	23.6	5.5
SDP31	24"	5.1%	51.1	8.9
SDP32	24"	1.2%	24.7	17.8
SDP33	18"	6.4%	26.6	5.5

SUMMARY OF INLET FLOWS					
ID	STREET SLOPE	WATER DEPTH (ft)	STREET FLOW UPSTREAM OF INLET (cfs)	FLOW CAPTURED BY INLET (cfs)	STREET FLOW BYPASSING INLET (cfs)
IN1	4.30%	0.33	7.1	5.4	1.7
IN2	4.30%	0.33	7.1	5.4	1.7
IN3	3.50%	0.40	12.8	7.3	5.5
IN4	3.50%	0.40	12.8	7.3	5.5
IN5	2.50%	0.37	8.0	5.3	2.7
IN6	2.50%	0.37	8.0	5.3	2.7
IN7	6.70%	0.33	9.0	6.2	2.8
IN8	6.70%	0.33	9.0	6.2	2.8
IN9	0.80%	0.47	10.7	5.5	5.2
IN10	0.80%	0.47	10.7	5.5	5.2
IN11	0.80%	0.38	5.2	3.4	1.8
IN12	0.80%	0.38	5.2	3.4	1.8
IN13	1.80%	0.45	12.8	7.5	5.3
IN14	1.80%	0.45	12.8	7.5	5.3
IN15	2.80%	0.32	5.3	3.4	1.9
IN16	2.80%	0.32	5.3	3.4	1.9
IN17	5.00%	0.26	3.5	3.1	0.4
IN18	5.00%	0.26	3.5	3.1	0.4

SUMMARY OF MANHOLES FLOWS	
ID	STORM DRAIN FLOWRATE (cfs)
exSDMH1	95.7
MH2	55.4
MH3	30.2
MH4	30.2
MH5	30.5
MH6	95.7
MH8	62.0
MH10	64.5
MH11	162.0

