



- LEGEND:**
- MAJOR DRAINAGE BASIN BOUNDARY
 - - - MINOR DRAINAGE BASIN BOUNDARY (SUBBASIN)
 - OVERLAND FLOW PATH
 - 3.62 AC DRAINAGE BASIN AREA
 - 10 RATIONAL METHOD NODE NUMBER
 - EXISTING CATCH BASIN OR INLET
 - - - EXISTING DRAINAGE DITCH OR SWALE
 - - - MINOR EXISTING STORM DRAIN PIPE OR LATERAL
 - AS-BUILT PLANS SHOWING 10-YEAR OR HIGHER FLOW CONTAINED IN EXISTING PIPE
 - NORMAL DEPTH ANALYSIS SHOWING 10-YEAR FLOW CONTAINED IN EXISTING PIPE
 - NORMAL DEPTH ANALYSIS SHOWING EXISTING PIPE INCREASED BY ONE PIPE SIZE (6") TO CONTAIN 10-YEAR FLOW (SEE TABLE FOR DETAILS)
 - NORMAL DEPTH ANALYSIS SHOWING EXISTING PIPE INCREASED BY MORE THAN ONE PIPE SIZE TO CONTAIN 10-YEAR FLOW (SEE TABLE FOR DETAILS)
 - STORM DRAIN DISCHARGES INTO NATURAL CHANNEL SO PROPOSED DEVELOPMENT WITHIN DRAINAGE AREA MUST PROVIDE PROJECT-SPECIFIC ASSESSMENT TO DETERMINE IF AN EXEMPTION IS POSSIBLE.
 - OUTLET INTO LAGOON
 - Ⓐ PIPE SEGMENT IDENTIFIER (SEE TABLE FOR DETAILS)

PIPE SEGMENT	AS-BUILT DRAWING NO.	EXISTING FACILITY AND MINIMUM SLOPE	10-YEAR FLOW, CFS	10-YEAR FLOW CONTAINED IN PIPE UNDER PRESSURE	EXCESS 10-YEAR FLOW CONTAINED IN STREET	EXCESS 10-YEAR FLOW ENTERS ADJACENT LAGOON
A	287-2	18" RCP AT 0.5%	13			
B	220-8	18" RCP (UNKNOWN SLOPE)	37			
C	462-5	18" RCP AT 0.5%	13	Y		
D	137-3A	12" RCP AT 0.24%	18			
E	133-3	36" RCP AT 0.70%	51			
F	145-8	24" RCP AT 0.43%	57			
G	CALTRANS CONTRACT 11-039724	30" RCP (UNKNOWN SLOPE)	32			
H	182-10-304-2	66" RCP AT 0.28%	293	Y		
I	166-8-309-5, 206-2	36" RCP AT 1.03% TO 40" RCP AT 2.27%	116 TO 205	Y		
J	141-3	24" RCP AT 1.03% TO 27" RCP AT 2.30%	56 TO 104	Y		
K	146-3	18" RCP AT 1.52%	19	Y		
L	125-4	18" RCP AT 1.23%	16	Y		
M	158-6	18" RCP AT 1.00%	34			
N	158-6	24" RCP AT 1.00%	39			
O	167-4	24" RCP AT 2.00%	39	Y		
P	167-4	21" RCP AT 10.00% TO 24" RCP AT 2.00%	36	Y		
Q	167-5	42" RCP AT 1.00%	117	Y		
R	152-3	60" RCP AT 0.4%	293			Y

NOTES:
 THE STORM DRAIN SEGMENTS IN THIS TABLE ARE ONES IN WHICH THE HYDRAULIC ANALYSES SHOW INSUFFICIENT NORMAL DEPTH CAPACITY TO CONVEY THE 10-YEAR FLOW (YELLOW AND RED LINES ON THE LEGEND). THIS TABLE INDICATES IF THE SEGMENTS HAVE CAPACITY TO CONVEY THE 10-YEAR FLOW UNDER PRESSURE. FOR SYSTEMS THAT CANNOT CONVEY THE 10-YEAR FLOW UNDER PRESSURE, THE TABLE INDICATES IF THE EXCESS FLOW CAN BE CONVEYED IN THE STREET OR WILL DIRECTLY ENTER AN ADJACENT LAGOON. ALL OF THE SEGMENTS MEET ONE OF THESE CRITERIA AND, HENCE, SATISFIES THE HYDROMODIFICATION EXEMPTION REQUIREMENT FOR CONVEYING THE 10-YEAR FLOW.

THE DRAINAGE AREAS ENCOMPASSING SEGMENTS A THROUGH L ARE ON STUDY AREA EXHIBIT SHEET 2. THE DRAINAGE AREAS ENCOMPASSING SEGMENTS M THROUGH R ARE ON STUDY AREA EXHIBIT SHEET 1.

STUDY AREA EXHIBIT HYDROMODIFICATION EXEMPTION

AGUA HEDIONDA CREEK
DRAINAGE AREAS