



WARNING

CONTRACTOR IS TO CONTACT TEXAS ONE-CALL SYSTEM (1-800-245-4545) OR OTHER UTILITY LOCATING SERVICES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITIES. ICON CONSULTING ENGINEERS, INC. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES IN THE PROJECT AREA NOR FOR DEPICTING THE EXACT LOCATIONS OF UTILITIES ON THESE DRAWINGS.

BM #1 REF. ELEVATION = 547.84
 SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE,
 AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

BM #2 REF. ELEVATION = 559.47
 SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END
 NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

DRAINAGE AREA CALCULATIONS - PREDEVELOPMENT									
AREA NO.	ACRES	RUNOFF COEFF.	CA	Tc	I10	Q10	I100	Q100	COLLECTION POINT
A1	1.03	0.90	0.93	10.0	6.5	6.06	9.3	8.59	BROOKHAVEN CLUB DRIVE
A2	1.17	0.90	1.05	10.0	6.5	6.89	9.3	9.76	BROOKHAVEN CLUB DRIVE
A3	1.66	0.90	1.49	10.0	6.5	9.77	9.3	13.85	CURB INLET
A4	1.83	0.90	1.65	10.0	6.5	10.77	9.3	15.27	CURB INLET & BROOKHAVEN CLUB DR
A5	0.46	0.90	0.41	10.0	6.5	2.71	9.3	3.84	BROOKHAVEN CLUB DRIVE
A6	1.42	0.90	1.28	10.0	6.5	8.36	9.3	11.85	STORM DRAIN & BROOKHAVEN CLUB DR
A7	0.76	0.90	0.68	10.0	6.5	4.47	9.3	6.34	STORM DRAIN & BROOKHAVEN CLUB DR
A8	0.57	0.90	0.51	10.0	6.5	3.36	9.3	4.76	STORM DRAIN
	8.90					52.39		74.25	
B1	0.83	0.90	0.75	10.0	6.5	4.89	9.3	6.92	MARSH LANE
B2	4.22	0.90	3.80	10.0	6.5	24.84	9.3	35.21	MARSH LANE
	5.05					29.72		42.13	
	13.95					82.11		116.38	

LEGEND

DRAINAGE AREA DESIGNATION A1

DRAINAGE AREA BOUNDARY

DRAINAGE AREA SUB DIVIDE

DIRECTION OF FLOW

INLET NUMBER 1

NO.	REVISION	BY	DATE
icon Consulting Engineers, Inc. 2840 W. Southlake Blvd., Suite 110 Civil Engineers - Designers - Planners Southlake, TX 76092 (817) 552-6210 Engineering Firm Registration Number F-9007			
PAVING, DRAINAGE & UTILITY IMPROVEMENTS VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 200 TOWN OF ADDISON, TEXAS DRAINAGE AREA MAP & CALCULATIONS PREDEVELOPMENT			
DESIGN	DRAWN	DATE	SCALE
ICE	ICE	APR 17, 2019	AS NOTED
NOTES	Sheet No.		
	18		

VITRUVIAN PARK BLOCK 200 PUBLIC INFRASTRUCTURE - PROJECT NO. 5029-04