



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.

LEGEND

- DRAINAGE AREA DESIGNATION A1
- DRAINAGE AREA BOUNDARY ———
- DRAINAGE AREA SUB DIVIDE - - - - -
- DIRECTION OF FLOW →
- INLET NUMBER 1



DRAINAGE AREA CALCULATIONS - POSTDEVELOPMENT									
AREA NO.	ACRES	RUNOFF COEFF.	CA	Tc	I10	Q10	I100	Q100	COLLECTION POINT
A1	0.09	0.90	0.08	10.0	6.5	0.53	9.3	0.75	FUTURE STORM DRAIN
A2	0.07	0.90	0.06	10.0	6.5	0.41	9.3	0.58	STORM DRAIN
A3	0.24	0.90	0.22	10.0	6.5	1.41	9.3	2.00	CURB INLET
A4	0.21	0.90	0.19	10.0	6.5	1.24	9.3	1.75	CURB INLET
A5	0.15	0.90	0.14	10.0	6.5	0.88	9.3	1.25	FUTURE STORM DRAIN
A6	0.31	0.90	0.28	10.0	6.5	1.82	9.3	2.59	STORM DRAIN
A7	0.20	0.90	0.18	10.0	6.5	1.18	9.3	1.67	CURB INLET
A8	0.20	0.90	0.18	10.0	6.5	1.18	9.3	1.67	CURB INLET
A9	0.15	0.90	0.14	10.0	6.5	0.88	9.3	1.25	FUTURE STORM DRAIN
A10	0.36	0.90	0.32	10.0	6.5	2.12	9.3	3.00	STORM DRAIN
A11	0.09	0.90	0.08	10.0	6.5	0.53	9.3	0.75	FUTURE STORM DRAIN
A12	0.10	0.90	0.09	10.0	6.5	0.59	9.3	0.83	FUTURE CURB INLET
A13	0.09	0.90	0.08	10.0	6.5	0.52	9.3	0.74	FUTURE CURB INLET
A14	0.28	0.90	0.25	10.0	6.5	1.65	9.3	2.34	FUTURE STORM DRAIN
A15	0.29	0.90	0.26	10.0	6.5	1.71	9.3	2.42	FUTURE STORM DRAIN
A16	0.34	0.90	0.31	10.0	6.5	2.00	9.3	2.84	CURB INLET
A17	0.33	0.90	0.30	10.0	6.5	1.94	9.3	2.75	CURB INLET
						20.60		29.19	
B1	0.20	0.90	0.18	10.0	6.5	1.18	9.3	1.67	AREA DRAINS
B2	0.11	0.90	0.10	10.0	6.5	0.65	9.3	0.92	STORM DRAIN
B3	0.37	0.90	0.33	10.0	6.5	2.18	9.3	3.09	STORM DRAIN
B4	0.48	0.90	0.43	10.0	6.5	2.83	9.3	4.00	FUTURE STORM DRAIN
B5	0.11	0.90	0.10	10.0	6.5	0.65	9.3	0.92	STORM DRAIN
B6	0.22	0.90	0.20	10.0	6.5	1.29	9.3	1.84	AREA DRAINS
B7	0.25	0.90	0.23	10.0	6.5	1.47	9.3	2.09	STORM DRAIN
B8	0.64	0.90	0.58	10.0	6.5	3.77	9.3	5.34	STORM DRAIN
B9	0.02	0.90	0.02	10.0	6.5	0.12	9.3	0.17	AREA DRAIN
						14.13		20.02	
C1	0.05	0.90	0.05	10.0	6.5	0.29	9.3	0.42	STORM DRAIN
C2	0.18	0.90	0.16	10.0	6.5	1.06	9.3	1.50	STORM DRAIN
C3	0.20	0.90	0.18	10.0	6.5	1.18	9.3	1.67	STORM DRAIN
C4	0.19	0.90	0.17	10.0	6.5	1.12	9.3	1.59	STORM DRAIN
C5	0.05	0.90	0.05	10.0	6.5	0.29	9.3	0.42	STORM DRAIN
C6	0.20	0.90	0.18	10.0	6.5	1.18	9.3	1.67	STORM DRAIN
						5.12		7.26	
D1	0.24	0.90	0.22	10.0	6.5	1.41	9.3	2.00	FUTURE STORM DRAIN
D2	0.25	0.90	0.23	10.0	6.5	1.47	9.3	2.09	AREA DRAINS
D3	0.30	0.90	0.27	10.0	6.5	1.77	9.3	2.50	FUTURE STORM DRAIN
D4	0.27	0.90	0.24	10.0	6.5	1.59	9.3	2.25	CURB INLET
D5	0.10	0.90	0.09	10.0	6.5	0.59	9.3	0.83	CURB INLET
D6	0.12	0.90	0.11	10.0	6.5	0.71	9.3	1.00	AREA DRAINS
D7	0.06	0.90	0.05	10.0	6.5	0.35	9.3	0.50	AREA DRAINS
D8	0.19	0.90	0.17	10.0	6.5	1.12	9.3	1.59	FUTURE STORM DRAIN
D9	0.22	0.90	0.20	10.0	6.5	1.29	9.3	1.84	FUTURE STORM DRAIN
D10	0.26	0.90	0.23	10.0	6.5	1.53	9.3	2.17	STORM DRAIN
						11.83		16.77	
E1	0.11	0.90	0.10	10.0	6.5	0.65	9.3	0.92	FUTURE STORM DRAIN
E2	0.10	0.90	0.09	10.0	6.5	0.59	9.3	0.83	FUTURE STORM DRAIN
E3	0.63	0.90	0.57	10.0	6.5	3.71	9.3	5.26	FUTURE STORM DRAIN
E4	0.11	0.90	0.10	10.0	6.5	0.65	9.3	0.92	FUTURE STORM DRAIN
E5	0.11	0.90	0.10	10.0	6.5	0.65	9.3	0.92	FUTURE STORM DRAIN
E6	0.31	0.90	0.28	10.0	6.5	1.82	9.3	2.59	FUTURE STORM DRAIN
E7	0.26	0.90	0.23	10.0	6.5	1.53	9.3	2.17	CURB INLET
E8	0.29	0.90	0.26	10.0	6.5	1.71	9.3	2.42	FUTURE STORM DRAIN
E9	0.28	0.90	0.25	10.0	6.5	1.65	9.3	2.34	FUTURE STORM DRAIN
E10	0.23	0.90	0.21	10.0	6.5	1.35	9.3	1.92	CURB INLET
E11	0.14	0.90	0.13	10.0	6.5	0.82	9.3	1.17	FUTURE STORM DRAIN
E12	0.13	0.90	0.12	10.0	6.5	0.77	9.3	1.08	FUTURE STORM DRAIN
E13	0.17	0.90	0.15	10.0	6.5	1.00	9.3	1.42	STORM DRAIN
						16.89		23.94	
F1	0.05	0.90	0.05	10.0	6.5	0.29	9.3	0.42	FUTURE STORM DRAIN
F2	0.56	0.90	0.50	10.0	6.5	3.30	9.3	4.67	FUTURE STORM DRAIN
F3	0.38	0.90	0.32	10.0	6.5	2.12	9.3	3.00	FUTURE STORM DRAIN
F4	0.07	0.90	0.06	10.0	6.5	0.41	9.3	0.58	FUTURE STORM DRAIN
F5	0.08	0.90	0.07	10.0	6.5	0.47	9.3	0.67	FUTURE STORM DRAIN
F6	0.23	0.90	0.21	10.0	6.5	1.35	9.3	1.92	FUTURE STORM DRAIN
						7.95		11.26	
G1	0.37	0.90	0.33	10.0	6.5	2.18	9.3	3.09	MARSH LANE
						2.18		3.09	
H1	0.20	0.90	0.18	10.0	6.5	1.18	9.3	1.67	VITRUVIAN WAY
H2	0.38	0.90	0.34	10.0	6.5	2.24	9.3	3.17	VITRUVIAN WAY
						3.41		4.84	
						82.10		116.38	

NO.		REVISION		BY		DATE	
<p align="center">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</p> <p align="center">PAVING, DRAINAGE & UTILITY IMPROVEMENTS</p> <p align="center">VITRUVIAN PARK PUBLIC INFRASTRUCTURE BLOCK 200</p> <p align="center">TOWN OF ADDISON, TEXAS</p> <p align="center">DRAINAGE AREA MAP & CALCULATIONS</p> <p align="center">POSTDEVELOPMENT</p>							
DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.		
ICE	ICE	APR 17, 2019	AS NOTED		19		

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