

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

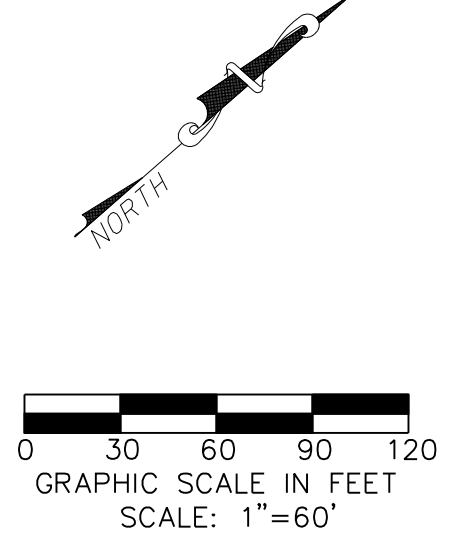
BM #2 REF. ELEVATION = 547.84
 SQUARE CUT IN TOP OF CURB, NORTH MEDIAN
 END NOSE, AT INTERSECTION OF
 VITRUVIAN WAY AND MARSH LANE.



DRAINAGE AREA CALCULATIONS - PROPOSED VITRUVIAN PARK

AREA NO.	AREA (acres)	RUNOFF COEFF.	CA	Tc (min)	I2 (in/hr)	Q2 (cfs)	I5 (in/hr)	Q5 (cfs)	I10 (in/hr)	Q10 (cfs)	I25 (in/hr)	Q25 (cfs)	I50 (in/hr)	Q50 (cfs)	I100 (in/hr)	Q100 (cfs)	COLLECTION POINT
C1	0.38	0.90	0.34	10.0	5.2	1.8	5.9	2.0	6.5	2.2	7.4	2.5	8.2	2.8	8.9	3.0	FUTURE ROOF DRAINS
C3	0.58	0.90	0.52	10.0	5.2	2.7	5.9	3.1	6.5	3.4	7.4	3.9	8.2	4.3	8.9	4.6	FUTURE ROOF DRAINS
C5	0.55	0.90	0.50	10.0	5.2	2.6	5.9	2.9	6.5	3.2	7.4	3.7	8.2	4.0	8.9	4.4	FUTURE ROOF DRAINS
C7	0.83	0.90	0.75	10.0	5.2	3.9	5.9	4.4	6.5	4.8	7.4	5.6	8.2	6.1	8.9	6.6	FUTURE CURB INLETS
C8	1.03	0.90	0.93	10.0	5.2	4.8	5.9	5.5	6.5	6.0	7.4	6.9	8.2	7.6	8.9	8.2	FUTURE ROOF DRAINS
C9	1.25	0.90	1.13	10.0	5.2	5.9	5.9	6.6	6.5	7.3	7.4	8.4	8.2	9.2	8.9	10.0	FUTURE ROOF DRAINS
C10A	0.34	0.90	0.31	10.0	5.2	1.6	5.9	1.8	6.5	2.0	7.4	2.3	8.2	2.5	8.9	2.7	FUTURE ROOF & AREA DRAINS
C10B	0.28	0.90	0.25	10.0	5.2	1.3	5.9	1.5	6.5	1.6	7.4	1.9	8.2	2.1	8.9	2.2	FUTURE ROOF & AREA DRAINS
C12	1.12	0.90	1.01	10.0	5.2	5.3	5.9	5.9	6.5	6.5	7.4	7.5	8.2	8.2	8.9	9.0	FUTURE ROOF DRAINS
C13	0.74	0.90	0.67	10.0	5.2	3.5	5.9	3.9	6.5	4.3	7.4	5.0	8.2	5.4	8.9	5.9	FUTURE CURB INLETS
C15A	1.32	0.90	1.19	10.0	5.2	6.2	5.9	7.0	6.5	7.7	7.4	8.8	8.2	9.7	8.9	10.5	FUTURE ROOF & AREA DRAINS
C15B	0.96	0.90	0.86	10.0	5.2	4.5	5.9	5.1	6.5	5.6	7.4	6.4	8.2	7.1	8.9	7.7	FUTURE ROOF & AREA DRAINS
C16	1.59	0.90	1.43	10.0	5.2	7.5	5.9	8.4	6.5	9.3	7.4	10.6	8.2	11.7	8.9	12.7	FUTURE ROOF & AREA DRAINS
C17	1.42	0.90	1.28	10.0	5.2	6.7	5.9	7.5	6.5	8.3	7.4	9.5	8.2	10.4	8.9	11.3	FUTURE ROOF & AREA DRAINS
C19	0.34	0.90	0.31	10.0	5.2	1.6	5.9	1.8	6.5	2.0	7.4	2.3	8.2	2.5	8.9	2.7	FUTURE CURB INLETS
C20	0.31	0.90	0.29	10.0	5.2	1.5	5.9	1.7	6.5	1.9	7.4	2.2	8.2	2.4	8.9	2.6	FUTURE CURB INLETS
C21	0.71	0.90	0.64	10.0	5.2	3.3	5.9	3.8	6.5	4.1	7.4	4.8	8.2	5.2	8.9	5.7	FUTURE ROOF & AREA DRAINS
C28	0.80	0.90	0.72	10.0	5.2	3.8	5.9	4.2	6.5	4.7	7.4	5.4	8.2	5.9	8.9	6.4	FUTURE ROOF & AREA DRAINS
TOTAL	12.7					59.8		67.3		74.2		85.1		93.3		101.6	

LEGEND
 DRAINAGE AREA DESIGNATION **B26**
 DRAINAGE AREA BOUNDARY
 DRAINAGE AREA SUB DIVIDE
 DIRECTION OF FLOW



NO.	REVISION	BY	DATE
Addison! TOWN OF ADDISON DALLAS COUNTY, TEXAS			
PARK AND STREETSCAPE IMPROVEMENTS VITRUVIAN PARK			
DRAINAGE AREA MAP & CALCULATIONS			
icon Consulting Engineers, Inc. Civil Engineers - Designers - Planners		250 W. Southlake Blvd., Suite 117 Southlake, TX 76092 (817) 552-6210	
PROJECT	DESIGN	DRAWN	DATE
5029-01	ICE	ICE	APR 26, 2010
			FILE
			PW# 2009-04
			SHEET
			C400