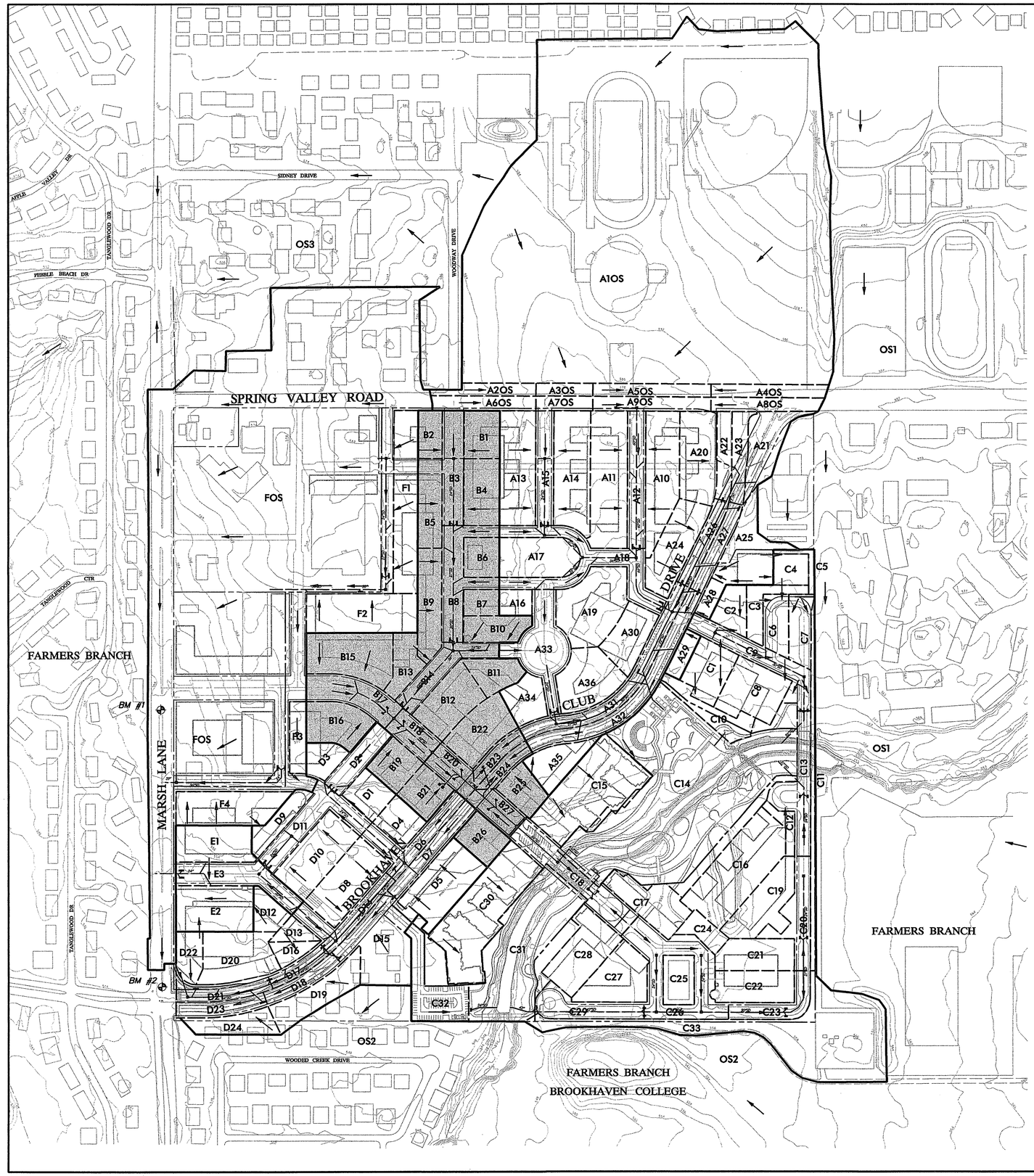

LEGEND

A17	DRAINAGE AREA DESIGNATION
———	MAJOR DRAINAGE AREA DIVIDE
— — — —	MINOR DRAINAGE AREA DIVIDE
←	DIRECTION OF FLOW

NORTH

0 100 200 300 400
GRAPHIC SCALE IN FEET
SCALE: 1"=200'

DRAINAGE AREA CALCULATIONS - PROPOSED

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
B1	0.60	0.90	0.54	10.0	5.2	2.8	5.9	3.2	6.5	3.5	7.4	4.0	8.2	4.4	8.9	4.8	Future Storm Drain
B2	0.40	0.90	0.36	10.0	5.2	1.9	5.9	2.1	6.5	2.3	7.4	2.7	8.2	2.9	8.9	3.2	Future Storm Drain
B3	0.80	0.95	0.76	10.0	5.2	4.0	5.9	4.5	6.5	4.9	7.4	5.7	8.2	6.2	8.9	6.7	Future Curb Inlets
B4	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 Storm Drain
B5	0.70	0.90	0.63	10.0	5.2	3.3	5.9	3.7	6.5	4.1	7.4	4.7	8.2	5.1	8.9	5.6	Future Storm Drain
B6	0.50	0.40	0.20	10.0	5.2	1.0	5.9	1.2	6.5	1.3	7.4	1.5	8.2	1.6	8.9	1.8	Future Storm Drain
B7	0.30	0.90	0.27	10.0	5.2	1.4	5.9	1.6	6.5	1.8	7.4	2.0	8.2	2.2	8.9	2.4	Future Storm Drain
B8	1.20	0.95	1.14	10.0	5.2	6.0	5.9	6.7	6.5	7.4	7.4	8.5	8.2	9.3	8.9	10.1	Future Curb Inlets
B9	0.90	0.90	0.81	10.0	5.2	4.2	5.9	4.8	6.5	5.3	7.4	6.0	8.2	6.6	8.9	7.2	Future Storm Drain
B10	0.60	0.90	0.54	10.0	5.2	2.8	5.9	3.2	6.5	3.5	7.4	4.0	8.2	4.4	8.9	4.8	Future Storm Drain
B11	0.50	0.90	0.45	10.0	5.2	2.4	5.9	2.6	6.5	2.9	7.4	3.3	8.2	3.7	8.9	4.0	Future Storm Drain
B12	1.00	0.90	0.90	10.0	5.2	4.7	5.9	5.3	6.5	5.8	7.4	6.7	8.2	7.3	8.9	8.0	Future Storm Drain
B13	0.50	0.90	0.45	10.0	5.2	2.4	5.9	2.6	6.5	2.9	7.4	3.3	8.2	3.7	8.9	4.0	Future Storm Drain
B14	0.80	0.95	0.76	10.0	5.2	4.0	5.9	4.5	6.5	4.9	7.4	5.7	8.2	6.2	8.9	6.7	Future Curb Inlets
B15	1.30	0.90	1.17	10.0	5.2	6.1	5.9	6.9	6.5	7.6	7.4	8.7	8.2	9.5	8.9	10.4	Future Storm Drain
B16	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 Storm Drain
B17	0.90	0.95	0.86	10.0	5.2	4.5	5.9	5.0	6.5	5.5	7.4	6.4	8.2	7.0	8.9	7.6	Future Curb Inlets
B18	0.50	0.95	0.48	10.0	5.2	2.5	5.9	2.8	6.5	3.1	7.4	3.5	8.2	3.9	8.9	4.2	Future Curb Inlets
B19	0.60	0.90	0.54	10.0	5.2	2.8	5.9	3.2	6.5	3.5	7.4	4.0	8.2	4.4	8.9	4.8	Future Storm Drain
B20	0.50	0.95	0.48	10.0	5.2	2.5	5.9	2.8	6.5	3.1	7.4	3.5	8.2	3.9	8.9	4.2	Future Curb Inlets
B21	0.60	0.90	0.54	10.0	5.2	2.8	5.9	3.2	6.5	3.5	7.4	4.0	8.2	4.4	8.9	4.8	Future Storm Drain
B22	0.90	0.90	0.81	10.0	5.2	4.2	5.9	4.8	6.5	5.3	7.4	6.0	8.2	6.6	8.9	7.2	Future Storm Drain
B23	0.30	0.95	0.29	10.0	5.2	1.5	5.9	1.7	6.5	1.8	7.4	2.1	8.2	2.3	8.9	2.5	Future Curb Inlets
B24	0.30	0.95	0.29	10.0	5.2	1.5	5.9	1.7	6.5	1.8	7.4	2.1	8.2	2.3	8.9	2.5	Future Curb Inlets
B25	0.50	0.90	0.45	10.0	5.2	2.4	5.9	2.6	6.5	2.9	7.4	3.3	8.2	3.7	8.9	4.0	Future Storm Drain
B26	0.50	0.90	0.45	10.0	5.2	2.4	5.9	2.6	6.5	2.9	7.4	3.3	8.2	3.7	8.9	4.0	Future Storm Drain
B27	0.50	0.95	0.48	10.0	5.2	2.5	5.9	2.8	6.5	3.1	7.4	3.5	8.2	3.9	8.9	4.2	Future Curb Inlets
	17.8					84.0		94.4		104.2		119.5		131.0		142.6	

DENOTES AREA CONTRIBUTING TO PROPOSED STORM DRAIN RELOCATION

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 BROOKHAVEN CLUB DRIVE.

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

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED
PROFESSIONAL ENGINEER
5-08-08

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

STORM DRAIN RELOCATION
BROOKHAVEN CLUB DRIVE

DRAINAGE AREA MAP & DRAINAGE 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	FILE	SHEET
5019-01	JAM	SAM	MAY 8, 2008	PW # 2007-001	3

STORM DRAIN RELOCATION - BROOKHAVEN CLUB DRIVE