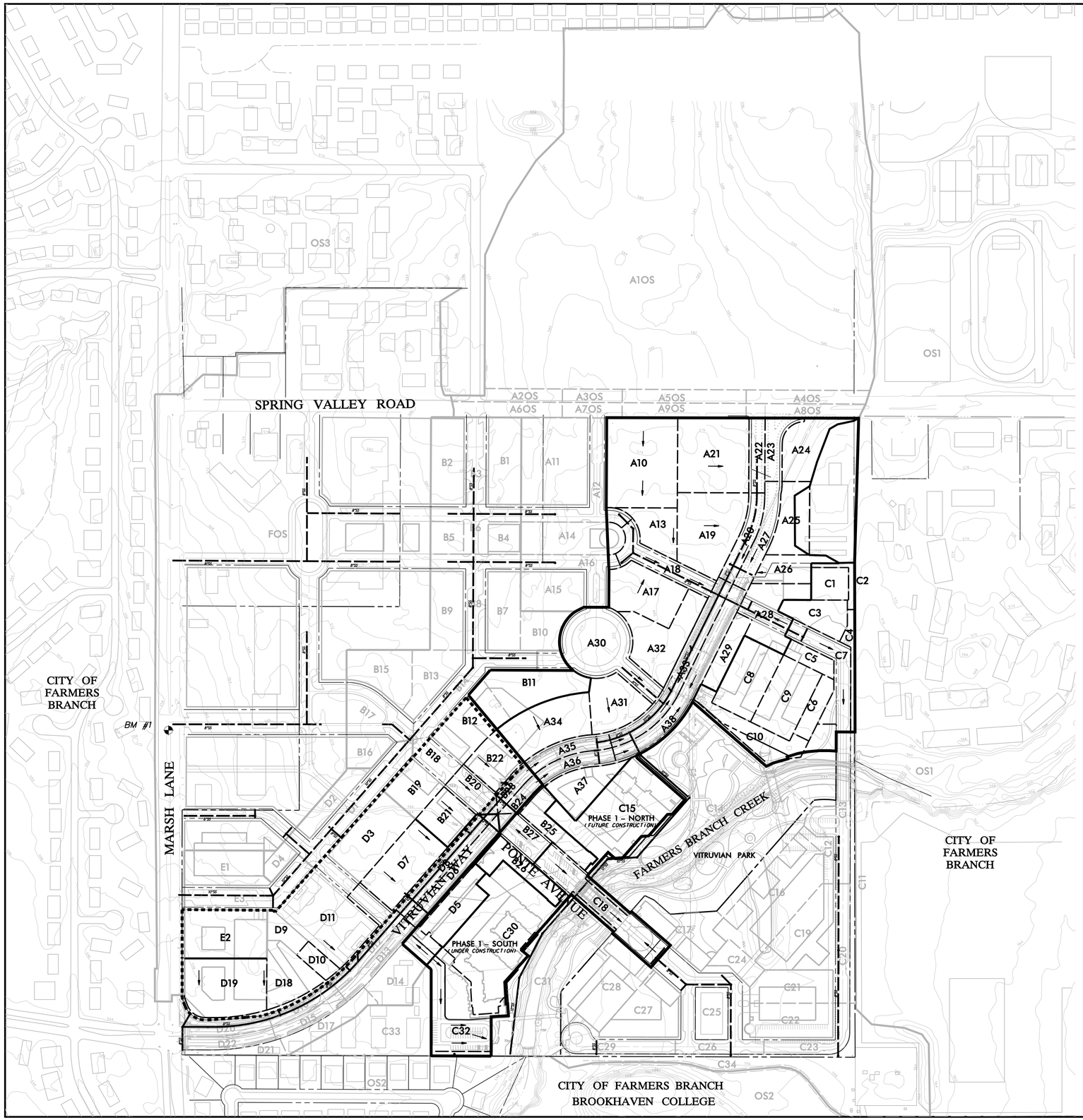

LINE A - SANITARY SEWER DRAINAGE AREA CALCULATIONS

Drainage Area	Area (Acres)	Residential Units	Design Flow (Gal/Day)	Infiltration (Gal/Day)	Total Q (Gal/Day)	Acum Q (MGD)	Notes
B-12	1.00	60	27,000	650	27,650	0.0277	to 8" SS Line "A"
B-22	0.60	36	16,200	390	16,590	0.0442	to 8" SS Line "A"
B-18	0.40	24	10,800	260	11,060	0.0111	to 8" SS Line "A"
B-20	0.50	30	13,500	325	13,825	0.0691	to 8" SS Line "A"
B-19	0.60	36	16,200	390	16,590	0.0166	to 8" SS Line "A"
B-21	0.60	36	16,200	390	16,590	0.1023	to 8" SS Line "A"
D-3	1.10	66	29,700	715	30,415	0.0304	to 8" SS Line "A"
D-7	1.10	66	29,700	715	30,415	0.1631	to 8" SS Line "A"
D-11	1.60	96	43,200	1,040	44,240	0.2074	to 8" SS Line "A"
D-9	0.30	18	8,100	195	8,295	0.0083	to 8" SS Line "A"
D-10	0.20	12	5,400	130	5,530	0.2212	to 8" SS Line "A"
D-18	0.80	48	21,600	520	22,120	0.2433	to 8" SS Line "A"
E-2	1.20	72	32,400	780	33,180	0.0332	to 8" SS Line "A"
D-19	1.40	84	37,800	910	38,710	0.3152	to 8" SS Line "A"
Total	11.40	684	307,800	7,410	315,210	0.3152	to Existing 10" SS Line

LINE B - SANITARY SEWER DRAINAGE AREA CALCULATIONS

Drainage Area	Area (Acres)	Residential Units	Design Flow (Gal/Day)	Infiltration (Gal/Day)	Total Q (Gal/Day)	Acum Q (MGD)	Notes
A-19	1.50	90	40,500	975	41,475	0.0415	to Future 8" SS Line 'B'
A-20	0.50	30	13,500	325	13,825	0.0553	to Future 8" SS Line 'B'
A-21	1.60	96	43,200	1,040	44,240	0.0995	to Future 8" SS Line 'B'
A-22	0.40	24	10,800	260	11,060	0.1106	to Future 8" SS Line 'B'
A-23	0.40	24	10,800	260	11,060	0.1217	to Future 8" SS Line 'B'
A-24	0.80	48	21,600	520	22,120	0.1438	to Future 8" SS Line 'B'
A-25	0.70	42	18,900	455	19,355	0.1631	to Future 8" SS Line 'B'
A-26	0.50	30	13,500	325	13,825	0.1770	to Future 8" SS Line 'B'
A-27	0.60	36	16,200	390	16,590	0.1936	to Future 8" SS Line 'B'
A-10	2.00	120	54,000	1,300	55,300	0.0553	to Future 8" SS Line 'B-3'
A-13	0.60	36	16,200	390	16,590	0.0719	to Future 8" SS Line 'B-3'
A-17	1.00	60	27,000	650	27,650	0.0995	to Future 8" SS Line 'B-3'
A-18	0.70	42	18,900	455	19,355	0.1189	to Future 8" SS Line 'B-3'
A-28	0.90	54	24,300	585	24,885	0.0249	to Future 8" SS Line 'B-2'
A-29	0.40	24	10,800	260	11,060	0.0359	to Future 8" SS Line 'B-2'
C-1	0.40	24	10,800	260	11,060	0.0470	to Future 8" SS Line 'B-2'
C-2	0.10	6	2,700	65	2,765	0.0498	to Future 8" SS Line 'B-2'
C-3	0.60	36	16,200	390	16,590	0.0664	to Future 8" SS Line 'B-2'
C-4	0.30	18	8,100	195	8,295	0.0747	to Future 8" SS Line 'B-2'
C-5	0.30	18	8,100	195	8,295	0.0830	to Future 8" SS Line 'B-2'
C-6	0.30	18	8,100	195	8,295	0.0912	to Future 8" SS Line 'B-2'
C-7	0.80	48	21,600	520	22,120	0.1134	to Future 8" SS Line 'B-2'
C-8	1.00	60	27,000	650	27,650	0.1410	to Future 8" SS Line 'B-2'
C-9	1.00	60	27,000	650	27,650	0.1687	to Future 8" SS Line 'B-2'
C-10	0.80	48	21,600	520	22,120	0.1908	to Future 8" SS Line 'B-2'
A-32	1.10	66	29,700	715	30,415	0.5336	to 8" SS Line 'B'
A-33	1.00	60	27,000	650	27,650	0.5613	to 8" SS Line 'B'
A-30	1.80	108	48,600	1,170	49,770	0.0498	to 8" SS Line 'B'
A-31	0.80	48	21,600	520	22,120	0.0719	to 8" SS Line 'B'
A-38	1.10	66	29,700	715	30,415	0.0636	to 8" SS Line 'B'
B-11	1.00	60	27,000	650	27,650	0.0277	to 8" SS Line 'B'
A-34	1.20	72	32,400	780	33,180	0.0608	to 8" SS Line 'B'
A-35	0.40	24	10,800	260	11,060	0.0719	to 8" SS Line 'B'
A-36	0.40	24	10,800	260	11,060	0.0830	to 8" SS Line 'B'
A-37	0.70	42	18,900	455	19,355	0.1023	to 8" SS Line 'B'
C-15	2.20	132	59,400	1,430	60,830	0.8267	to 12" SS Line 'B'
B-25	0.60	36	16,200	390	16,590	0.8433	to 12" SS Line 'B'
B-26	0.60	36	16,200	390	16,590	0.8599	to 12" SS Line 'B'
B-27	0.50	30	13,500	325	13,825	0.8737	to 12" SS Line 'B'
C-18	1.20	72	32,400	780	33,180	0.9069	to 12" SS Line 'B'
C-30	2.60	156	70200	1690	71,890	0.9788	to 12" SS Line 'B'
C-32	1.40	84	37800	910	38,710	1.0175	to 12" SS Line 'B'
Total	36.80	2208	993,600	23,920	1,017,520	1.0175	To Existing 10" SS Line

LINE A - SANITARY SEWER DRAINAGE AREA

LINE B - SANITARY SEWER DRAINAGE AREA

NORTH

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

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.

STATE OF TEXAS
BRUCE F. DUNNE
62654
LICENSED PROFESSIONAL ENGINEER
08/25/10

NO.	REVISION	BY	DATE

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

PAVING, DRAINAGE & UTILITY IMPROVEMENTS
VITRUVIAN WAY & PONTE AVENUE

SANITARY SEWER DRAINAGE AREA MAP

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
5029-01	ICE	ICE	MAY 7 2009	PW# 2009-01	64

RECORD DRAWINGS 08/25/10

PAVING, DRAINAGE, & UTILITY IMPROVEMENTS - VITRUVIAN WAY & PONTE AVENUE