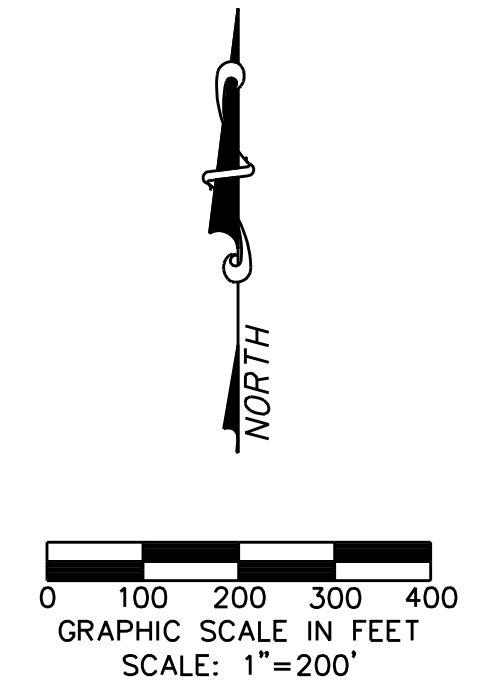


SANITARY SEWER DRAINAGE AREA CALCULATIONS

| Drainage Area | Area (Acres) | Residential Units | Design Flow (Gal/Day) | Infiltration (Gal/Day) | Total Q (Gal/Day) | Acum Q (MGD) | Notes |
|---------------|--------------|-------------------|-----------------------|------------------------|-------------------|--------------|-------------------------|
| A-10 | 1.40 | 84 | 37,800 | 910 | 38,710 | 0.0387 | Future SS Line 'B-3' |
| A-11 | 1.70 | 102 | 45,900 | 1,105 | 47,005 | 0.0857 | Future SS Line 'B-3' |
| A-12 | 0.80 | 48 | 21,600 | 520 | 22,120 | 0.1078 | Future SS Line 'B-3' |
| A-18 | 1.50 | 90 | 40,500 | 975 | 41,475 | 0.1493 | Future SS Line 'B-3' |
| A-19 | 1.50 | 90 | 40,500 | 975 | 41,475 | 0.1068 | Future SS Line 'B-3' |
| A-20 | 1.10 | 66 | 29,700 | 715 | 30,415 | 0.0304 | SS Line 'B' |
| A-21 | 0.90 | 54 | 24,300 | 585 | 24,885 | 0.0553 | SS Line 'B' |
| A-22 | 0.40 | 24 | 10,800 | 260 | 11,060 | 0.0664 | SS Line 'B' |
| A-23 | 0.50 | 30 | 13,500 | 325 | 13,825 | 0.0802 | SS Line 'B' |
| OS | 2.60 | 156 | 70,200 | 1,690 | 71,890 | 0.1521 | SS Line 'B' |
| A-24 | 1.10 | 66 | 29,700 | 715 | 30,415 | 0.1825 | SS Line 'B' |
| A-25 | 1.20 | 72 | 32,400 | 780 | 33,180 | 0.2157 | SS Line 'B' |
| A-26 | 0.50 | 30 | 13,500 | 325 | 13,825 | 0.2295 | SS Line 'B' |
| A-27 | 0.50 | 30 | 13,500 | 325 | 13,825 | 0.2433 | SS Line 'B' |
| A-28 | 0.20 | 12 | 5,400 | 130 | 5,530 | 0.2489 | SS Line 'B' |
| C-1 | 0.80 | 48 | 21,600 | 520 | 22,120 | 0.0221 | Future SS Line 'B-2' |
| C-2 | 0.50 | 30 | 13,500 | 325 | 13,825 | 0.0359 | Future SS Line 'B-2' |
| C-3 | 0.50 | 30 | 13,500 | 325 | 13,825 | 0.0498 | Future SS Line 'B-2' |
| C-4 | 0.40 | 24 | 10,800 | 260 | 11,060 | 0.0608 | Future SS Line 'B-2' |
| C-5 | 0.20 | 12 | 5,400 | 130 | 5,530 | 0.0664 | Future SS Line 'B-2' |
| C-6 | 0.50 | 30 | 13,500 | 325 | 13,825 | 0.0802 | Future SS Line 'B-2' |
| C-7 | 0.50 | 30 | 13,500 | 325 | 13,825 | 0.0940 | Future SS Line 'B-2' |
| C-8 | 1.10 | 66 | 29,700 | 715 | 30,415 | 0.1244 | Future SS Line 'B-2' |
| C-9 | 1.00 | 60 | 27,000 | 650 | 27,650 | 0.1521 | Future SS Line 'B-2' |
| C-10 | 0.60 | 36 | 16,200 | 390 | 16,590 | 0.1687 | Future SS Line 'B-2' |
| A-29 | 0.30 | 18 | 8,100 | 195 | 8,295 | 0.6166 | SS Line 'B' |
| A-30 | 0.80 | 48 | 21,600 | 520 | 22,120 | 0.6387 | SS Line 'B' |
| A-31 | 1.20 | 72 | 32,400 | 780 | 33,180 | 0.6719 | SS Line 'B' |
| A-32 | 1.30 | 78 | 35,100 | 845 | 35,945 | 0.7078 | SS Line 'B' |
| A-33 | 1.40 | 84 | 37,800 | 910 | 38,710 | 0.0387 | SS Line 'B-1' |
| A-34 | 0.50 | 30 | 13,500 | 325 | 13,825 | 0.0525 | SS Line 'B-1' |
| A-35 | 0.60 | 36 | 16,200 | 390 | 16,590 | 0.0691 | SS Line 'B-1' |
| A-36 | 1.10 | 66 | 29,700 | 715 | 30,415 | 0.0995 | SS Line 'B-1' |
| C-15 | 2.10 | 126 | 56,700 | 1,365 | 58,065 | 0.8654 | SS Line 'B' |
| B-25 | 0.50 | 30 | 13,500 | 325 | 13,825 | 0.8793 | SS Line 'B' |
| B-26 | 0.50 | 30 | 13,500 | 325 | 13,825 | 0.8931 | SS Line 'B' |
| B-27 | 0.50 | 30 | 13,500 | 325 | 13,825 | 0.9069 | SS Line 'B' |
| C-18 | 1.20 | 72 | 32,400 | 780 | 33,180 | 0.9401 | SS Line 'B' |
| C-30 | 2.30 | 138 | 62,100 | 1,495 | 63,595 | 1.0037 | SS Line 'B' |
| C-32 | 1.40 | 84 | 37,800 | 910 | 38,710 | 1.0424 | SS Line 'B' |
| Total | 37.70 | 2262 | 1,017,900 | 24,505 | 1,042,405 | 1.0424 | To Existing 10" SS Line |



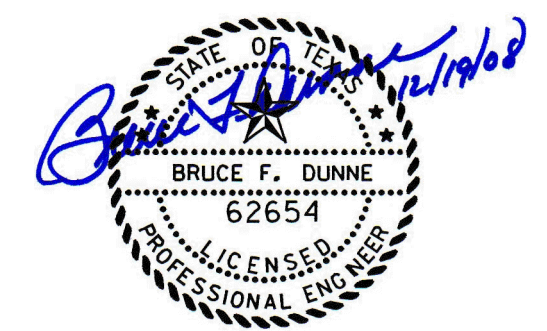
SANITARY SEWER DRAINAGE AREA

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.



| | | | |
|---|----------|---|--------------|
| NO. | REVISION | BY | DATE |
| TOWN OF ADDISON DALLAS COUNTY, TEXAS | | | |
| WATER, SANITARY SEWER & STORM DRAIN BROOKHAVEN CLUB DR, PONTE AVE & VITRUVIAN PARK | | | |
| 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 |
| 5029-01 | JAM | SAM | OCT 14, 2008 |
| FILE | SHEET | | |
| PW #2008-009 | 11 | | |

WATER, SANITARY SEWER, & STORM DRAIN IMPROVEMENTS - BROOKHAVEN CLUB DRIVE, PONTE AVENUE & VITRUVIAN PARK