



| DRAINAGE AREA CALCULATIONS - PREDEVELOPMENT | | | | | | | |
|---|--------------|---------------|------|------|------|---------------|----------------------------------|
| AREA NO. | ACRES | RUNOFF COEFF. | CA | Tc | I100 | Q100 | COLLECTION POINT |
| A1 | 1.03 | 0.90 | 0.93 | 10.0 | 9.27 | 8.59 | BROOKHAVEN CLUB DRIVE |
| A2 | 1.17 | 0.90 | 1.05 | 10.0 | 9.27 | 9.76 | BROOKHAVEN CLUB DRIVE |
| A3 | 1.66 | 0.90 | 1.49 | 10.0 | 9.27 | 13.85 | CURB INLET |
| A4 | 1.83 | 0.90 | 1.65 | 10.0 | 9.27 | 15.27 | CURB INLET & BROOKHAVEN CLUB DR |
| A5 | 0.46 | 0.90 | 0.41 | 10.0 | 9.27 | 3.84 | BROOKHAVEN CLUB DRIVE |
| A6 | 1.42 | 0.90 | 1.28 | 10.0 | 9.27 | 11.85 | STORM DRAIN & BROOKHAVEN CLUB DR |
| A7 | 0.76 | 0.90 | 0.68 | 10.0 | 9.27 | 6.34 | STORM DRAIN & BROOKHAVEN CLUB DR |
| A8 | 0.57 | 0.90 | 0.51 | 10.0 | 9.27 | 4.76 | STORM DRAIN |
| | 8.90 | | | | | 74.25 | |
| B1 | 0.83 | 0.90 | 0.75 | 10.0 | 9.27 | 6.92 | MARSH LANE |
| B2 | 4.22 | 0.90 | 3.80 | 10.0 | 9.27 | 35.21 | MARSH LANE |
| | 5.05 | | | | | 42.13 | |
| | 13.95 | | | | | 116.38 | |

NORTH

0 25 50 75 100
GRAPHIC SCALE IN FEET
SCALE: 1"=50'

LEGEND

DRAINAGE AREA DESIGNATION **A1**

DRAINAGE AREA BOUNDARY ————

DRAINAGE AREA SUB DIVIDE - - - - -

DIRECTION OF FLOW →

INLET NUMBER 1

| | | | |
|-----|----------|----|------|
| NO. | REVISION | BY | DATE |
| | | | |

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VITRUVIAN WEST 2
VITRUVIAN PARK - TOWN OF ADDISON, TEXAS
3725 VITRUVIAN WAY
DRAINAGE AREA MAP & CALCULATIONS
PREDEVELOPMENT

| DESIGN | DRAWN | DATE | SCALE | NOTES | Sheet No. |
|--------|-------|--------------|----------|-------|---------------|
| ICE | ICE | NOV 17, 2020 | AS NOTED | | C4.00E |

VITRUVIAN WEST 2 - PROJECT NO. 5019-18