

$Q_{10} = 0.07 \times 3.85 \text{ CFS/AC}$
 $+ 0.09 \times 1.87 \text{ CFS/AC}$
 $= 0.44 \text{ CFS}$
 RUNOFF TO SOUTHERN DRIVE

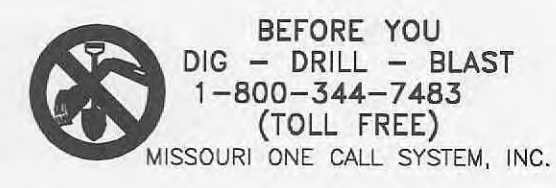
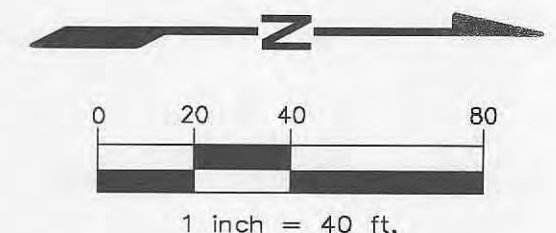
$Q_{10} = 2.21 \times 3.85 \text{ CFS/AC} = 8.51 \text{ CFS}$
 RUNOFF TO PROPOSED DOUBLE AI

$Q_{10} = 2.84 \times 1.87 \text{ CFS/AC} = 5.31 \text{ CFS}$
 RUNOFF TO OFFSITE STORMWATER DETENTION

STORM STRUCTURE 3
INLET CAPACITY

Given:	Coefficient	0.61
	Area	3.5 ft ²
	Headwater	0.75 ft
Results:	Flowrate	14.83 cfs

NOTES:
 TOTAL FUTURE DEVELOPMENT = A+B+C
 $Q_{10} = 5.21 \times 3.85 \text{ CFS/AC} = 20.06 \text{ CFS}$
 ADDITIONAL INLETS TO BE ADDED DURING PHASE 2
 TOTAL Q PROVIDED FOR PIPE HYDRAULICS ONLY



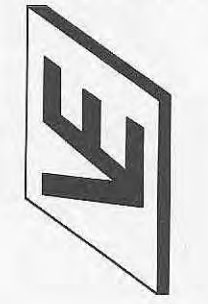
NOTICE TO CONTRACTOR

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THEREFORE, THE LOCATIONS OF ANY UNDERGROUND FACILITIES SHOWN HEREON MUST BE CONSIDERED APPROXIMATE. PRIOR TO BEGINNING WORK ON THE SITE, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF THESE FACILITIES, ALONG WITH ANY IN EXISTENCE THAT ARE NOT SHOWN; TO VERIFY THEIR LOCATION BOTH HORIZONTALLY AND VERTICALLY (IN ACCORDANCE WITH THE REQUIREMENTS OF THE RESPECTIVE UTILITY/FACILITY OWNER); AND TO VERIFY THAT MINIMUM CLEARANCES AND COVER REQUIREMENTS BETWEEN THE EXISTING FACILITIES AND THE PROPOSED WORK WILL BE MET.

THIS SHEET IS FOR DRAINAGE AREA PURPOSES ONLY. DO NOT USE FOR CONSTRUCTION

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DRAINAGE AREA MAP

REVISED
 5-8-07 CITY COMMT'S
 4-20-07 OWNER REV
 3-9-07 CITY COMMT'S

06071

BASEMAP NO.
 MSD P -
 11/16/06
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