



Scale 1" = 100'

OFFSITE DRAINAGE AREA = 20.97 ACRES  
 DRAINAGE AREA - OS1  
 TRAVEL DISTANCE = 2029 FEET  
 HIGH ELEVATION = 754  
 LOW ELEVATION = 733  
 AVERAGE SLOPE = 1.03%  
 C FACTOR CALCULATIONS  
 9 ACRES @ c=0.45  
 12 ACRES @ c=0.30  
 COMPOSITE C = 0.36

$$T_c = 1.8(1.1 - C)D^{0.5} / S^{1/3}$$

$$T_c = 1.8(1.1 - 0.36)2029^{0.5} / 1.03^{1/3}$$

$$T_c = 59.4 \text{ minutes}$$

OFFSITE DRAINAGE AREA MAP						
SONIC DRIVE-IN						
MERRIFIELD ESTATES FIRST SECTION						
TOWN OF PONDER, TEXAS						
WALTER NELSON AND ASSOCIATES FIRM No. 0062 1812 CARLA AVENUE ARLINGTON, TEXAS 76014 (817) 642-9119						
DESIGN	DRAWN	SCALE	DATE	NOTES	FILE	NO.
W.J.N.	W.J.N.	1"=100'	4-2022	COLEMAN		