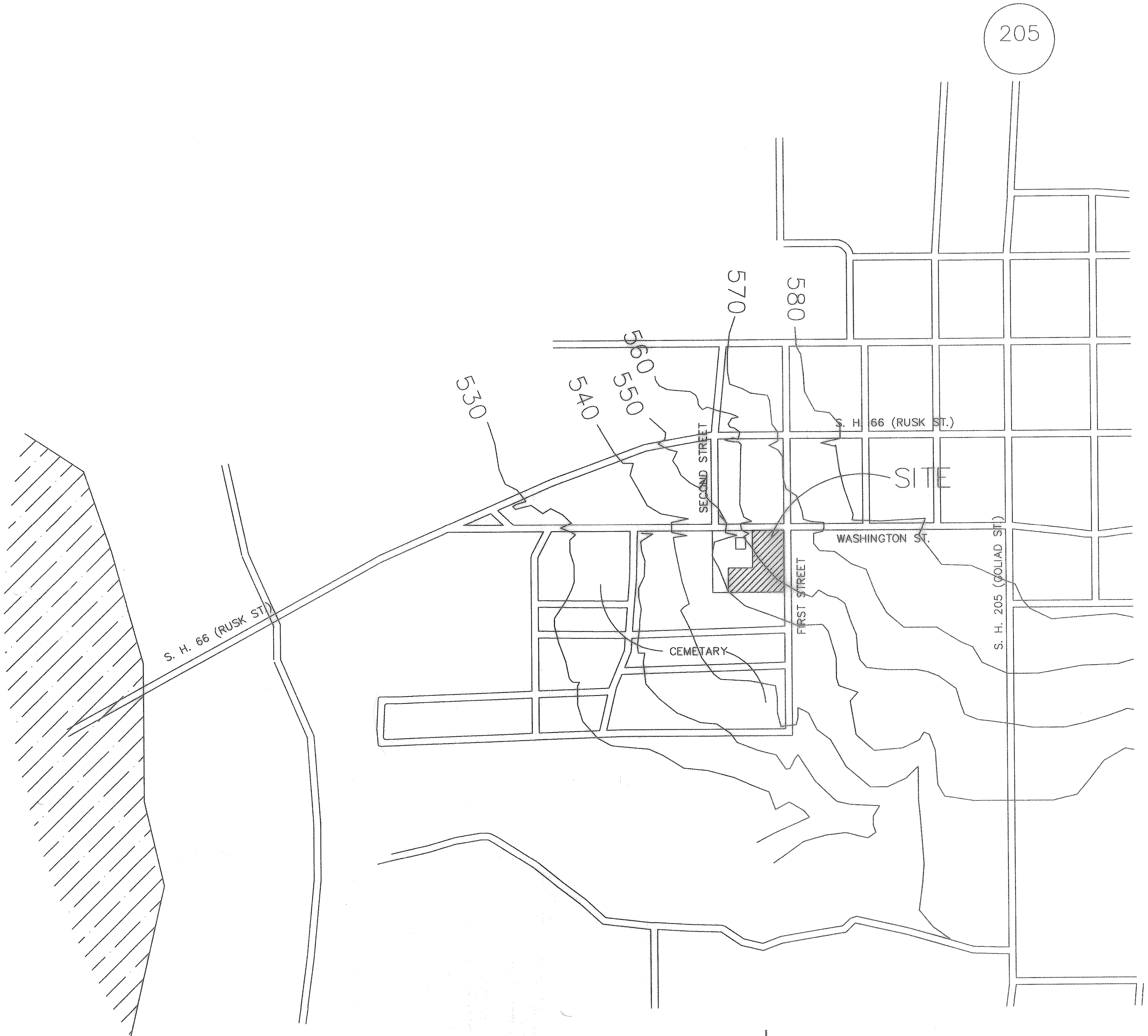


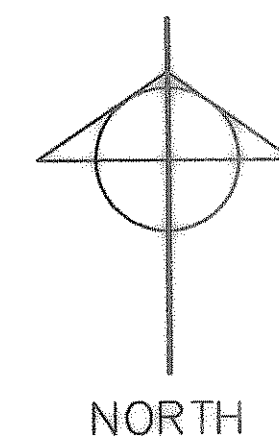
DETENTION BASIN REQUIREMENTS			
Drainage Area		0.39	ACRES
Residential C		0.65	
Residential $T_{cr}$		15	minutes
Developed $C_p$		0.9	
Developed $T_{cp}$		10	minutes
For a 100 year storm:			
$i_{RES}$	9.6	in/hr	
$i_p$	11.6	in/hr	
$Q_E = Q_D =$	2.4336	cfs	
$Q_P =$	4.0716	cfs	
$i_D = Q_D/C_P \cdot A$	6.9333	in/hr	
from TP #40, for $i_D=6.4$ in/hr			
$T_D =$	33	minutes	
$V = 60(Q_P/2)(T_P - T_{cp})$			
$V =$	1,679.18	cf	OF STORAGE

RUNOFF DESIGN CALCULATIONS												
Area No.	Inlet No.	Location	Design Storm Frequency (yrs)	AREA/RUNOFF				$Q_{in}$ (cfs.)	Total Q Runoff	SELECTED INLET		Carry Over to Downstream Inlet (cfs.)
				Time of Conc. (min)	Intensity In/hr	Runoff Coeff.	Area Ac.			Length "L" (feet)	Type	
				4	5	6	7	8	9	10	11	12
1	0	on property	100	10	10.65	0.9	0.39	3.71	3.71	n/a	n/a	n/a
Total Flow												

LAKE RAY HUBBARD

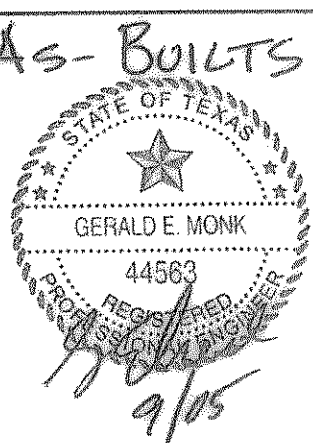


AREA DRAINAGE MAP  
SCALE 1" = 200'



GERALD E. MONK  
CONSULTING ENGINEER

HAIR MOTION SALON  
SH 66 & FIRST STREET  
ROCKWALL, TEXAS



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AREA DRAINAGE MAP

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C106  
Sequence of