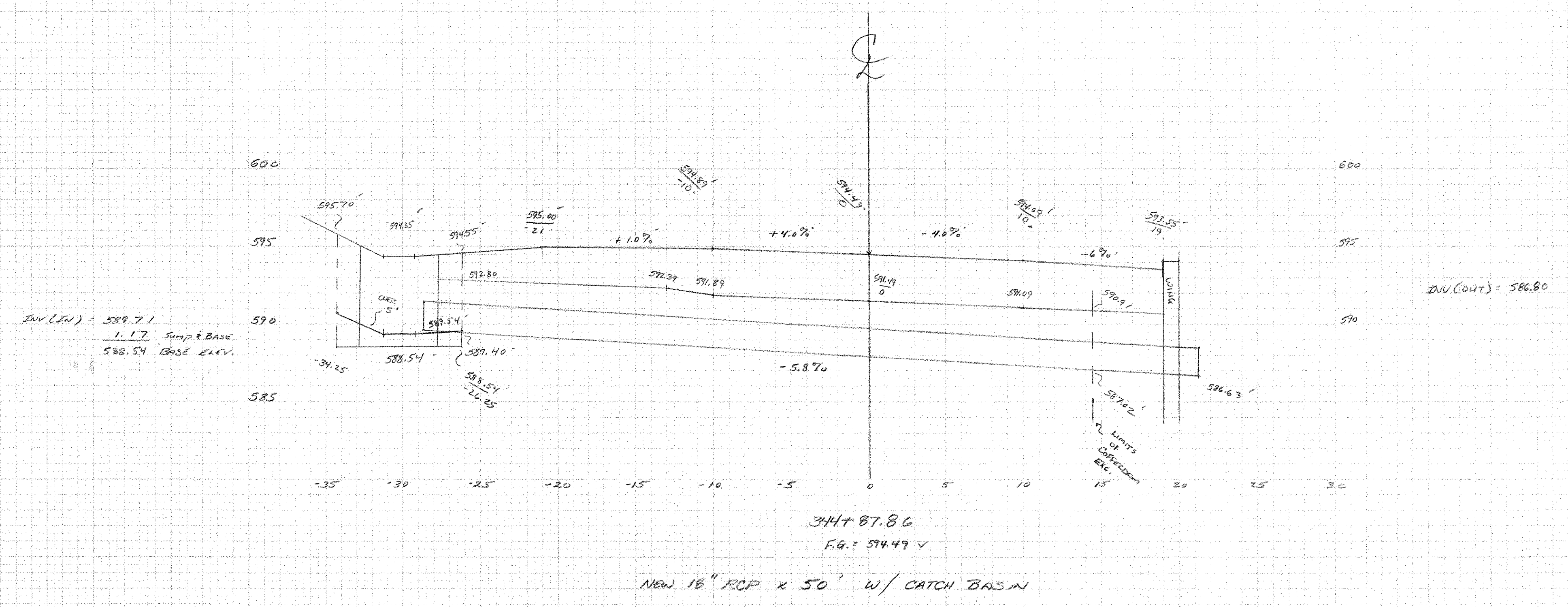


ORIGINAL SURVEY  
 DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 PROJECT: \_\_\_\_\_  
 SHEET NO.: \_\_\_\_\_

ORIGINAL SURVEY  
 DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 PROJECT: \_\_\_\_\_  
 SHEET NO.: \_\_\_\_\_

DRAINAGE SYSTEM # 7



204.20 TRENCH EXCAVATION OF EARTH

CATCH BASIN:		PIPE:	
ABOVE 5'	BELOW 5'		
-34.25' 595.70'	-34.25' 590.70'	-26.25' 589.40'	
-34.25' 590.70'	-34.25' 588.54'	14.5' 587.02'	
-31.25' 589.35'	-26.25' 588.54'	0' 590.91'	
-29.25' 589.35'	-26.25' 589.55'	-10' 591.59'	
-26.25' 589.55'	-24.25' 589.35'	-18' 592.39'	
-26.25' 594.55'	-31.25' 589.35'	-26.25' 592.80'	
-29.25' 594.35'	-34.25' 590.70'	-26.25' 589.40'	
-31.25' 594.35'			
-34.25' 595.70'			

$A_1 = 40.0 \text{ SF} \times 8 \text{ FT} = 320 \text{ CF}$   
 $A_2 = 8.81 \text{ SF} \times 8 \text{ FT} = 70.48 \text{ CF}$   
 $A_3 = 148.05 \text{ SF} \times 5.05 \text{ FT} = 747.65 \text{ CF}$

Total = 1138.13 CF + 27 = 1165.13 CF  
 Exc. = 42.2 cy

P.F.  
 1-18-06

601.0815 18" RCP CLASS III  
 50 FT

604.20 PRECAST CONCRETE CATCH BASIN  
 1 EA.

ROCKINGHAM TH 2-9103  
 DATE: JANUARY 5, 2006  
 DRAWN: C. GREENWOOD  
 CHECKED BY: P. PERRY

C.G.  
 1/5/06