

PRE-DEVELOPMENT DRAINAGE PLAN

AREA #2  
 TOTAL AREA  
 2.03 ACRES  
 15 YEAR, 20 MINUTE STORM  
 P.I.=1.87  
 Q=3.80 CFS

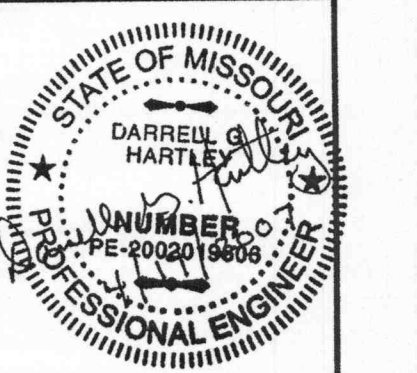
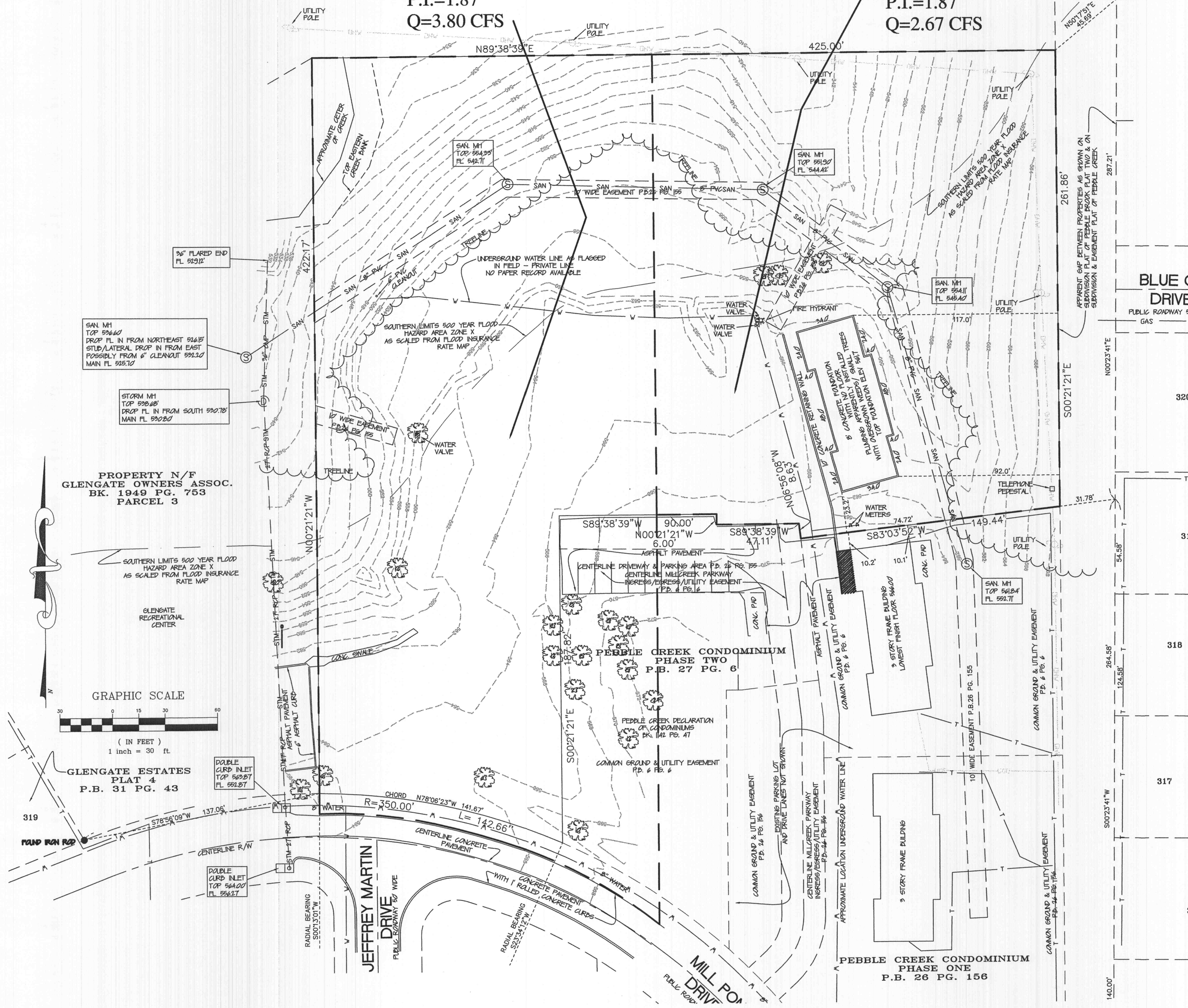
AREA #1  
 TOTAL AREA  
 1.43 ACRES  
 15 YEAR, 20 MINUTE STORM  
 P.I.=1.87  
 Q=2.67 CFS

Summary of Drainage Calculations (TR55):

Drainage Area: 3.54 Acres  
 Soil Type: Hydrologic Soil Group D  
 Pre-Development CN: 78  
 Post-Development CN: 86

Design Storm (year)	Pre-Development Discharge (cfs)	Post-Development Discharge (cfs)	Required Detention Basin Size (CF)
2	1.50	2.10	10,200
5	2.21	2.91	13,200
10	2.80	3.56	15,600
25	3.40	4.22	18,200
100	4.66	5.56	23,100

Total Basin Volume - 36,315 CF



MILL POND APARTMENTS  
 O'FALLON,  
 MISSOURI

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 1ST ISSUE  
 09 NOVEMBER 2005  
 REVISIONS  
 Δ 23 JANUARY 2006  
 Δ 09 FEBRUARY 2006  
 Δ 02 JUNE 2006  
 Δ 07 SEPT 2006 THHinc

SHEET NO.  
**C1.1**

JOB NO.  
 2324  
 SHEET  
 03 OF 17

30 MAR 2007 THHinc