

(IN FEET)
 1 inch = 30 ft.
 BASIS OF BEARINGS:
 PLAT OF "GLENMARE PLAT ONE"
 PLAT BOOK 33 PAGES 98-99
 ST. CHARLES COUNTY LAND RECORDS

CIVIL ENGINEERING,
 DESIGN CONSULTANTS, INC.
 11402 GRAVOIS ROAD SUITE 100
 SAINT LOUIS MISSOURI 63126
 314-269-1400 FAX 314-279-1404
 INFO@CECNET.COM WWW.CECNET.COM

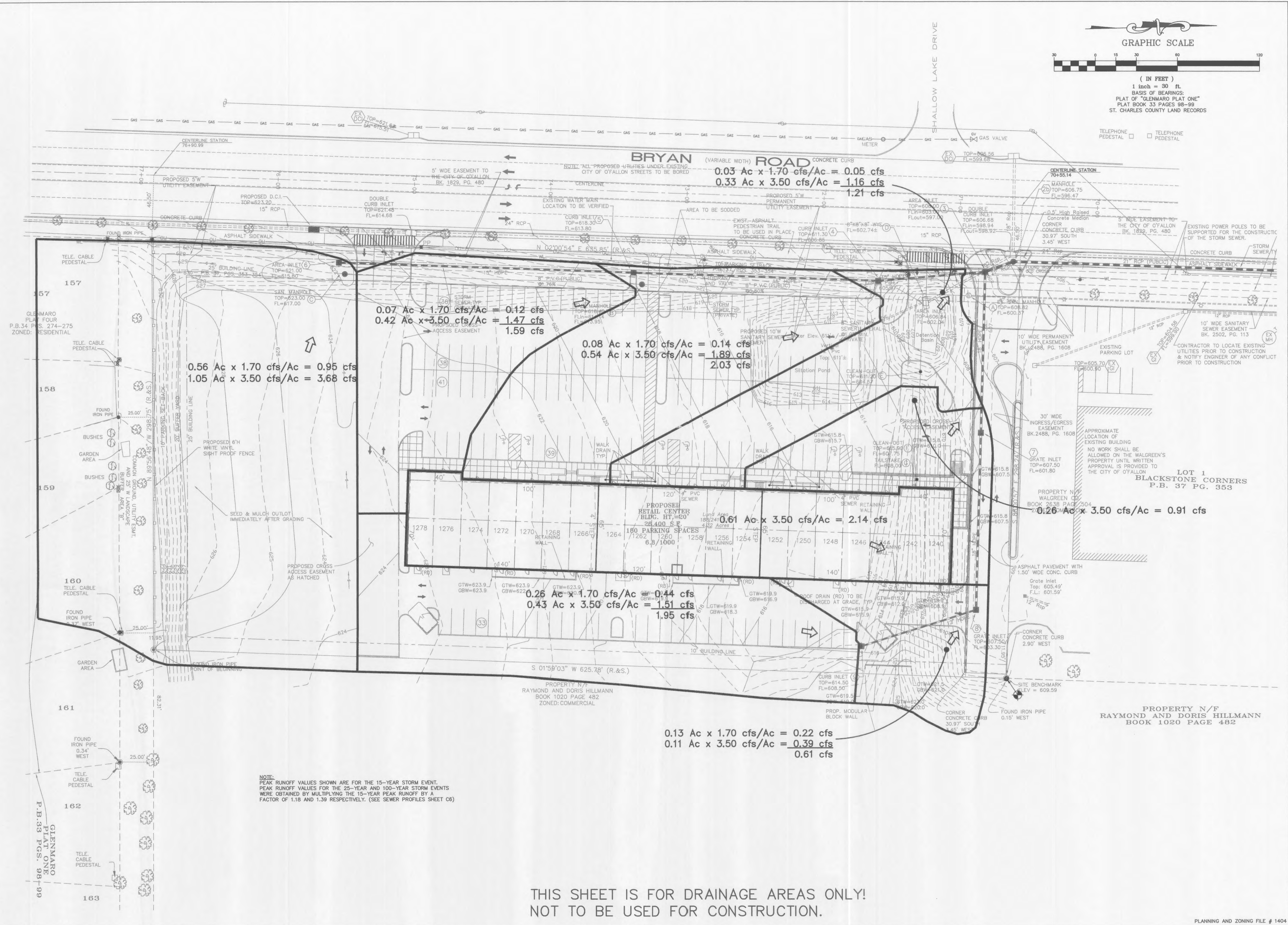
Improvement Plans
Hillmann Farm Plaza
 1260 Bryan Road
 O'Fallon, Missouri 63366

Proj. # 0266

No.	Description	Date
Owner Review	12.01.04	
Per Engineer	12.07.04	
Permit / Bidding	01.10.05	
Per City	03.17.05	
Per City	04.11.05	

**DRAINAGE
 AREA PLAN**

C9
 OF 9



BRYAN ROAD (VARIABLE WIDTH) CONCRETE CURB
 $0.03 \text{ Ac} \times 1.70 \text{ cfs/Ac} = 0.05 \text{ cfs}$
 $0.33 \text{ Ac} \times 3.50 \text{ cfs/Ac} = 1.16 \text{ cfs}$
1.21 cfs

$0.07 \text{ Ac} \times 1.70 \text{ cfs/Ac} = 0.12 \text{ cfs}$
 $0.42 \text{ Ac} \times 3.50 \text{ cfs/Ac} = 1.47 \text{ cfs}$
1.59 cfs

$0.08 \text{ Ac} \times 1.70 \text{ cfs/Ac} = 0.14 \text{ cfs}$
 $0.54 \text{ Ac} \times 3.50 \text{ cfs/Ac} = 1.89 \text{ cfs}$
2.03 cfs

$0.56 \text{ Ac} \times 1.70 \text{ cfs/Ac} = 0.95 \text{ cfs}$
 $1.05 \text{ Ac} \times 3.50 \text{ cfs/Ac} = 3.68 \text{ cfs}$

PROPOSED RETAIL CENTER
 BLDG. FT = 28,400
 160 PARKING SPACES
 6.8/1000 Acres
 $0.61 \text{ Ac} \times 3.50 \text{ cfs/Ac} = 2.14 \text{ cfs}$

$0.26 \text{ Ac} \times 1.70 \text{ cfs/Ac} = 0.44 \text{ cfs}$
 $0.43 \text{ Ac} \times 3.50 \text{ cfs/Ac} = 1.51 \text{ cfs}$
1.95 cfs

$0.13 \text{ Ac} \times 1.70 \text{ cfs/Ac} = 0.22 \text{ cfs}$
 $0.11 \text{ Ac} \times 3.50 \text{ cfs/Ac} = 0.39 \text{ cfs}$
0.61 cfs

NOTE:
 PEAK RUNOFF VALUES SHOWN ARE FOR THE 15-YEAR STORM EVENT.
 PEAK RUNOFF VALUES FOR THE 25-YEAR AND 100-YEAR STORM EVENTS
 WERE OBTAINED BY MULTIPLYING THE 15-YEAR PEAK RUNOFF BY A
 FACTOR OF 1.18 AND 1.39 RESPECTIVELY. (SEE SEWER PROFILES SHEET C6)

THIS SHEET IS FOR DRAINAGE AREAS ONLY!
 NOT TO BE USED FOR CONSTRUCTION.