

DOWNSPOUT DRAINAGE DESIGN
 TO (from roof and canopy) = 0.31 c.f.s. + 0.14 c.f.s. = 0.45 c.f.s.
 6" PVC to be used for all storm lines from downspout to structure at 1.0% minimum slope.
 $Q = 1.486/N \times R^{2/3} \times A \times S^{1/2}$ (mannings)
 Q (6" PVC) = 7.281 x 0.01 = 0.73 c.f.s. (capacity) > 0.45 c.f.s. (OK)

aedis
 INCORPORATED
 ARCHITECTS + PLANNERS + ENGINEERS
 6317 CLAYTON ROAD
 CLAYTON, MISSOURI 63117
 PH: 314-862-1101 FAX: 314-862-8001
 BAAK: AEDISBAAK.COM

STRUCTURAL ENGINEER
 IBRAHIM ENGINEERING CORP.
 11502 OLIVE BOULEVARD
 ST. LOUIS, MISSOURI 63141
 PH: 314-567-0106 FAX: 314-567-0158
 EMAIL: MOHAMMED@IBRAHIM-ENGG.COM

MECHANICAL ENGINEER
 G & W ENGINEERING, INC.
 38 WASHINGTON ACCESS DR.
 ST. LOUIS, MO 63043
 PH: (314) 459-3737 FAX: (314) 489-5420

CIVIL ENGINEER
 BAY ENGINEERING, INC.
 1052 SOUTH CLONDALE DR.
 SAINT PETERS, MO 63376
 PH: (636) 928-5532 FAX: (636) 928-1718

NATIONAL CITY BANK
 1642 BRYAN ROAD
 O'FALLON, MISSOURI 63366

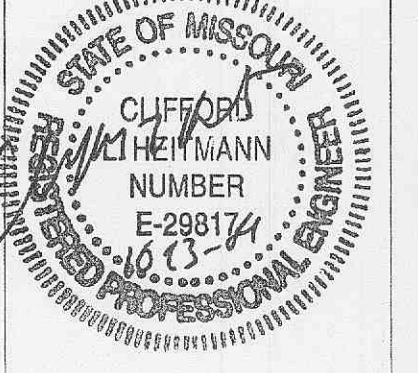
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ISSUE / REVISIONS	
NO.	DATE / DESCRIPTION
1	08-01-04 CONSTRUCTION PLANS
2	09-03-04 CITY COMMENTS
3	10-13-04 CLIENT CHANGES

DRAWN BY: K/W
 SHEET TITLE:

GRADING PLAN

SEAL



SHEET NO.

C3

N/C/B
 DARDENNE PRAIRIE, MO.

BAX-03-124534

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE LOCATED PRIOR TO ANY GRADING OR CONSTRUCTION OF THE IMPROVEMENTS.