

FILED<sup>3</sup>

NOV 21 2007

May 27, 1992

Missouri Public  
Service Commission  
AUG 04 1992

TO WHOM IT MAY CONCERN:

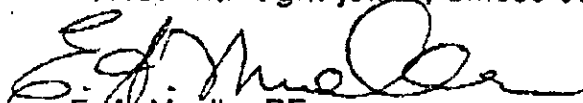
Following is the Design Criteria Summary for Quail Valley Subdivision located in Sections 29, 30, Township 44 North, Range 12 West of the 5th P.M., Cole County, Missouri, owned by Ed Storey who is an on site owner.

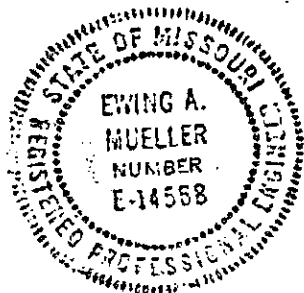
The owner will construct a mechanical treatment plant contained within concrete reinforced cells as per plans enclosed. This plant will have future expansion capability.

80 Homes with Garbage Grinders @ 3.7 persons = 296 persons @ 0.221 lb/day/per = 65.416 lbs B.O.D.5. All homes in this subdivision are or will be served by single family aeration plants, so all effluent will be partially treated and contain few solids. It is anticipated that 46 to 50 lbs B.O.D. 5 will arrive at plant to be treated. All service lines from the homes will be equipped with cleanouts and valves to insure of no backflow problems.

Due to the existing Quail Valley Lake, elevations are somewhat limited. (See Plans And Prior Engineering Report) Four low head in line pump stations are proposed to deliver the effluent to the treatment plant located near the lowest point in the subdivision, which is below the Quail Valley Dam at the toe of slope. (See Enclosed Partial Quadrangle Map)

Collection will be by 3" to 4" diameter pipe, following variable downhill grade unless otherwise noted on the plans. All pipe will be Schedule 40 P.V.C. with tight joints, unless otherwise noted. (See Plans)

  
E. A. Mueller PE.



Date Rec'd 8-6-92 File # 2453  
Date Rec'd 26-1746 Date Rec'd 11-3-92

Respondent Exhibit No. 25  
Case No(s). WC - 2007-0303  
Date 10-29-07 Rptr pas