Ma	9-11-06	14.2.3
RE: Stoney Pointe Subd. VARIANCE RE Johnson County town Department of	OUEST	9
Johnson County Iowa Department of I	Vatural Resources	
1. Date: 11/18/99 2. Review Engineer: Freel Evans	13. Decisi Di	on: Approved ate: 12(2)99
 Date Received: 10 7 199 County Number: 52 Program Area: CP (Wastewater) Facility Type: CO5 	14. App D	eal: ate:
8. Subject Area: 308 9. Rule Reference: 64.263α		
10.Design Stds Ref14,2.311.Consulting EngrMMS Lonsaltants12.Variance Rule:64.2(9)c		
15. Description of Variance Request A project 1	ias been subm	itted for a 13
residential subdivision in Johnson		
sewers are not available, individu	al septic tank	s will be provi
on each lot and the combined to	tal septie tan	Keffluent of 43
gpd will be conveyed to a mound	system for fir	ial disposal. Th
are 4 existing homes located with	Phin 1000 feet	of the propose
mound site with the neavest how	ne locatel 7	50 feet from
the site, Inasmuch as the req	wined minimu	um separation
distance of 1000 feet can not k from Chapter 14.2.3 of the a nequested. A plat of the :	be provided,	a variance
from Chapter 14.2.3 of the a	esign ztand	ands has bee
nequested. A plat of the :	ite quea is	s attacked.
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16. Consulting Engineer's Justifications 1. A mound system has no odor or surface discharge		
2. There are individual on-site wastewater systems on adj The community mound system works the same as the on-		re mound systems.
3. The intent of the 1000 feet minimum separation was to systems or systems that may have an odor concern from r		surface discharging
4. The regulation regarding hog lots was 750 feet and rec attached article). Unlike hog lots. Mound systems have n separation.		

5. The state requires a 10-foot separation from existing homes to on-site systems. This subdivision could have had individually managed single home sand filters on the 13 lots; each with surface discharge and would not have required the 1000-foot separation. Unlike individual sand filters that in the past have not been maintained or monitored, the community mound system will be managed and maintained on a regular bases. Therefore, the state should be encouraging the community systems where soils and landscape do not allow for conventional on-site systems. 750 6. The closet resident is 800 feet from the mound system. 17. Department's Justifications It is recommanded that a variance be granted based upon the engineer's justification and the Following additional reasons: 1. The proposed mound system is a buried non-discharge. system; therefore, any possible advense affects on the environment, water quality or aesthetics should be minimized. In this regard a mound system will provide improved effectiveness over a discharging about ground wastewater treatment facility located at least 1000 feet from inhabitable residences. 2. (see attached sheet) 18. Precedents Used Riverview Estates - Approved 11/10/86 Chillicothe - Approved 3/31/90 Meadow Lawn Nursing Center-Approved 9/28 4/25/94 Beachland Inn MHP-Approved

2/2 Westend Apartments - Approved Sidney Community Schools - Approved 14/301 Fred Estans Statt Reviewer: Old Estrans Date: Date: 14/2/29 Supervisor: Wayne Farrand Jon Jeren Date: 14/2/29 19. 20.

Departments Justification Continuel

2. Since the nearest home is located 750 feet from the site, any ____ private wells serving these homes will be located at ----greater distances than the required minimum 400 feet in our department vules and design standards. 3. We concur with the consulting engineer's comments under item #5 of the justifications that a single wastewater treatm facility located at a more remote site is préférable To individual on-site system. located on each lot. . . _____

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October 4, 1999

Mr. Wayne Farrand Wastewater Permits Section Iowa Department of Natural Resources Wallace State Office Building 900 East Grand Ave Des Moines, Iowa 50319-0034

Re: Project # S99-350-S Stoney Pointe Subdivision-Sewage

We are requesting a variance of 500 feet from the 1000 feet minimum separation distance from existing homes to the Community Mound System. The reasons for the variance request are:

1. A mound system has no odor or surface discharge

2. There are individual on-site wastewater systems on adjacent lots, some of them are mound systems. The community mound system works the same as the on-site systems, only larger.

3. The intent of the 1000 feet minimum separation was to separate lagoons or other surface discharging systems or systems that may have an odor concern from residence.

4. The regulation regarding hog lots was 750 feet and recently was increased to 1000 feet (see the attached article). Unlike hog lots, Mound systems have no odor therefore do not require the 1000-foot separation.

5. The state requires a 10-foot separation from existing homes to on-site systems. This subdivision could have had individually managed single home sand filters on the 13 lots; each with surface discharge and would **not** have required the 1000-foot separation. Unlike individual sand filters that in the past have not been maintained or monitored, the community mound system will be managed and maintained on a regular bases. Therefore, the state should be encouraging the community systems where soils and landscape do not allow for conventional on-site systems.

6. The closet resident is 800 feet from the mound system.

Currently, Stoney Pointe Subdivision does not have houses built on lots, however, there may be some houses constructed later this fall. If you have any questions, please contact us.

roly Krieg Sincerely,

Judy Krieg MMS Consultants

ENGINEERING

