

**Thomas J. Boyce**  
**P.O. Box 81**  
**Pittsboro, NC 27312**  
**919-868-8135**  
**NC Licensed Soil Scientist # 1241**  
**NC Registered Sanitarian # 1353**

Atkins Place, LLC  
Keith Bullock and Adam Raynor

Rc:Dexterfield Subdivision, Lots 14, 15, 26, and 27

Dear Mr. Bullock and Mr. Raynor,

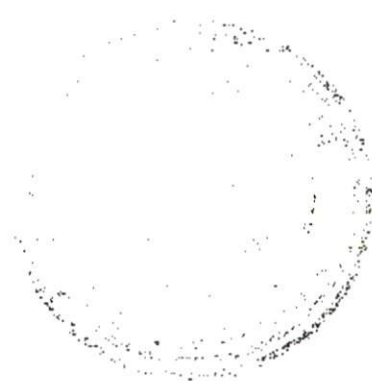
A final soils evaluation was completed on the above referenced property in January, 2008. The purpose of the evaluation was to determine the ability of the soils to support a subsurface waste disposal system for initial and/or repair for a three bedroom house. All ratings and determinations were made in accordance with "Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A .1900".

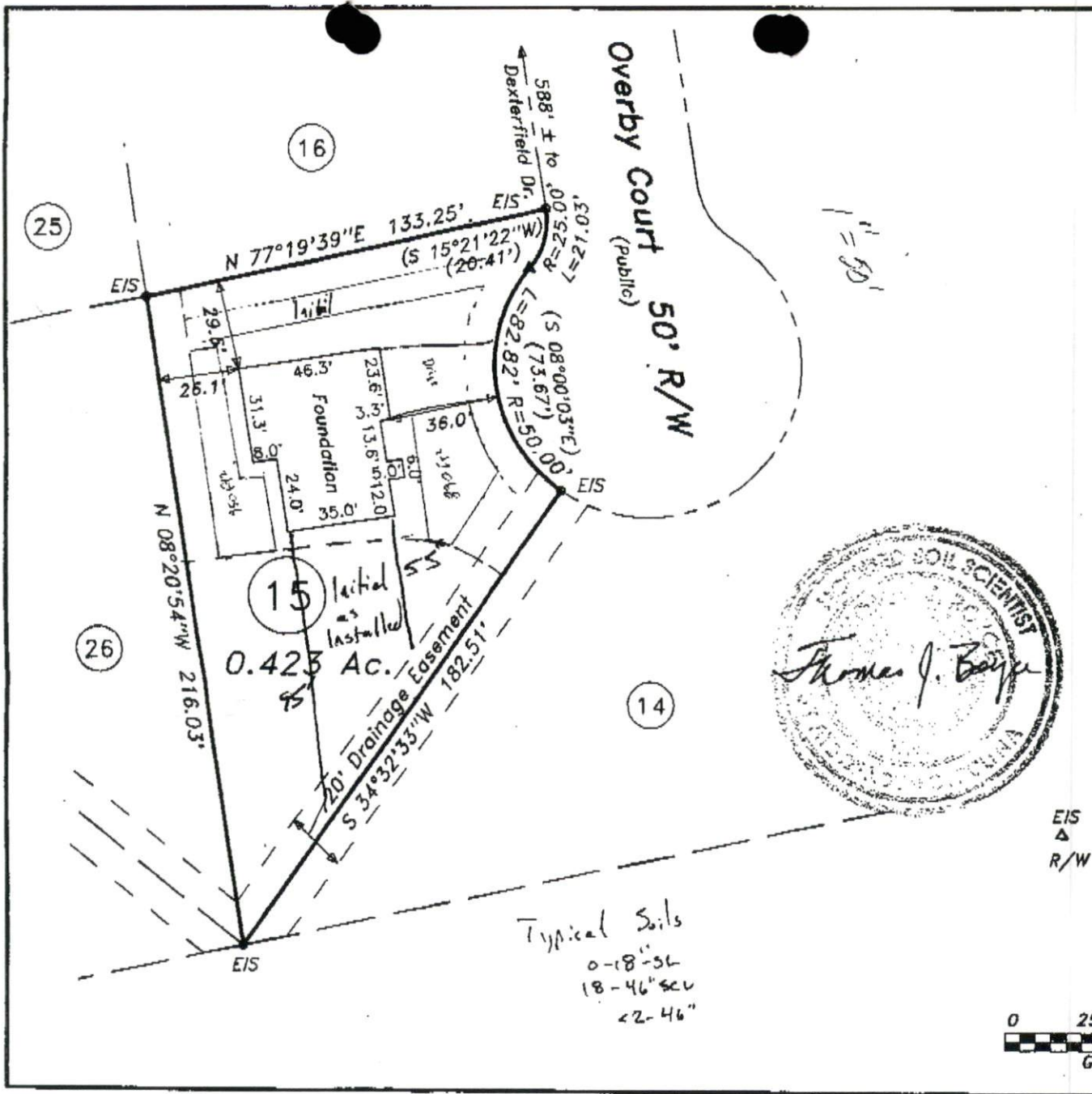
Typical soils over the lots were 18-24 inches of sandy loam over a sandy clay loam to 46 inches. The soil limiting factor was soil wetness at 46 inches. Loading rates varied from .375-.6 gpd/sqft. Systems were designed for these lots at these loading rates and site plans were drawn. The purpose for the designs was the encroachment of a permanent sediment basin that affected each of these lots. Site plans are to scale showing house placement with system layout and design for each lot.

This report does not guarantee or represent approval or issuance of permits as needed by the local health department. This report only represents my opinion as a licensed soil scientist. I trust this is the information that you require at this time. If you have any questions, please call.

Sincerely,

*Thomas J. Boyce*  
Thomas J. Boyce



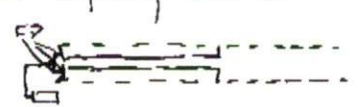


Typical Soils  
 0-18" SL  
 18-46" SL  
 <2-46"

| LEGE |              |
|------|--------------|
| EIS  | Existing     |
| Δ    | Calculated   |
| R/W  | Right of Way |



Existing septic tank to be used  
 Drainfield to be abandoned  
 New initial drainfield at .375 LTAR equals 160' PPBPS  
 distributed by flow divider and two more flow dividers to split line length  
 Drainlines to be tied at beginning and at center



Repair area - Drip without Pre-treatment at .2-.3 LTAR - 1800-1200 ft<sup>2</sup> required  
 1840ft<sup>2</sup> available

# T & J Panel, Inc.

269 Marble Road

Statesville, N. C. 28625

Ph. 704-924-8600 Fax 704-924-8611

*from J.C.*

September 22, 2006

John D. Gray  
123 Cub Creek Ext.  
Chapel Hill, NC 27517

Dear John,

Answering your question of minimum soil depth when using a T & J Panel. You have two numbers to look for, 40 inches and 34 inches of suitable soil. With 40 inches of suitable soil the panel may be placed in its normal soil profile position with the top of the panel 6 inches below the top of the ground. With 34 inches of suitable soil the panel may be placed with the top of the panel at ground level with 6 inches of area fill using a suitable soil and extending a minimum of 6 feet beyond all borders of the drain field may be used. When using a shallow placement drain field all shallow placement criteria must be addressed.

If you have further questions please call our office at 704 924 8600.

Sincerely

Timothy H. Johnson  
T & J Panel, Inc.