



STATE OF ALABAMA  
DEPARTMENT OF PUBLIC HEALTH  
SCOTT HARRIS, M.D. • ACTING STATE HEALTH OFFICER

---

SHELBY COUNTY HEALTH DEPARTMENT • ENVIRONMENTAL DIVISION  
NORTHEASTERN DISTRICT

August 31, 2018

Mr. David Brogdon  
Shelby County Rd 11  
Chelsea AL 35043

Dear Mr. Brogdon:

Enclosed is the Phase 3 Final Development assessment from the Shelby County Health Department for:

Name of Development: **The Highlands of Chelsea**

Needed to complete The Highlands of Chelsea Subdivision are the following items: A final plot plan showing lot dimensions. A final development fee (part 3) of 300.00 total. Please see the attached report regarding the lots and lot conditions, types of systems, permitting, and approvals.

If you have questions, please contact me the Shelby County Health Department at 205/620-1650.

Sincerely,

*RH Harry*  
Russell Harry  
Environmental Supervisor

**CEP-3**  
**PART A, PHASE 3**

Completed By The Shelby County Health Department

Name of Establishment/Development:

**The Highlands of Chelsea**

**LOCAL HEALTH DEPARTMENT:**

**Approval (With Conditions)**       **Disapproval (Withheld)**

**Our approval/disapproval of the SITE PREPARATION PLAN is based on the following conditions:**

***Soil Limitations:***

possibility of slopes greater than 25%, depth to rock, Heavy Clays

***Protection of EDF and REDF areas:***

EDF and REDF will be staked and flagged. Any other necessary measures shall be taken to protect the EDF and REDF areas during development and/or construction.

***Site Modifications:***

**Note:** Site / lot modifications not approved in the SPP within 25 feet of the proposed OSS or EDF replacement area will require a detailed professional evaluation as determined by the Health Department.

***Recommendations:***

Actual lot sizes (excluding easement, rights of ways, etc.)

*See Individual Lot Information on following pages*

Lot/Block: Lot Size System Type: Restrictive Layer Depth:

Lot Approval Conditions:

Perc rate range: Perc depth range: Type of Restriction: MVS:

11 /		*Shallow Conventional	29		Permitted for Conventional Shallow Placement-Add 7 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.
	70	24	Other	12	
10 /		*Conventional	36		PERMITTED for Conventional System.
	65	24	Other	12	
11 /		*Shallow Conventional	24		Permitted for Conventional Shallow Placement-Add 12 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.
	65	24	Other	12	
12 /		*Engineered - Other	20		NOT APPROVED due to soil conditions found during Health Dept. Site Visit. Reported data does not agree with field findings.
	75	24	Rock	18	
13 /		*Conventional	38		PERMITTED for Conventional System.
	55	24	Other	12	
14 /		*Shallow Conventional	38		Permitted for Conventional Shallow Placement-Add 4 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.
	55	24	Other	18	
15 /		*Engineered - Other	25		NOT APPROVED due to soil conditions found during Health Dept. Site Visit. Reported data does not agree with field findings.
	65	24	ASHES	18	
16 /		*Shallow Conventional	35		Permitted for Conventional Shallow Placement-Add 7 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.
	75	24	ASHES	18	
17 /		*Shallow Conventional	36		Permitted for Conventional Shallow Placement-Add 8 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.
	75	24	ASHES	18	

<b>Lot /Block:</b>	<b>Lot Size</b>	<b>System Type:</b>	<b>Restrictive Layer Depth:</b>
<b>Perc rate range:</b>	<b>Perc depth range:</b>	<b>Type of Restriction:</b>	<b>MVS:</b>

**Lot Approval Conditions:**

18 /		*Shallow Conventional	38
	80	24	ASHES 18

Permitted for Conventional Shallow Placement-Add 4 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

19 /		*Shallow Conventional	36
	80	24	ASHES 18

Permitted for Conventional Shallow Placement-Add 6 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

21 /		Shallow Conventional	27
	70	24	ASHES 18

Permitted for Conventional Shallow Placement-Add 11 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

20 /		*Shallow Conventional	36
	75	24	ASHES 18

Permitted for Conventional Shallow Placement-Add 6 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

21 /		*Shallow Conventional	32
	85	24	ASHES 18

Permitted for Conventional Shallow Placement-Add 10 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

22 /		*Shallow Conventional	28
	55	24	Other 12

Permitted for Conventional Shallow Placement-Add 8 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

23 /		*Engineered - Other	41
	65	24	Other 12

NOT APPROVED due to soil conditions found during Health Dept. Site Visit. Reported data does not agree with field findings.

24 /		*Shallow Conventional	26
	80	24	ASHES 18

Permitted for Conventional Shallow Placement-Add 12 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

25 /		*Shallow Conventional	30
	80	24	ASHES 18

Permitted for Conventional Shallow Placement-Add 12 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

<b>Lot/Block:</b>	<b>Lot Size:</b>	<b>System Type:</b>	<b>Restrictive Layer Depth:</b>
<b>Perc rate range:</b>	<b>Perc depth range:</b>	<b>Type of Restriction:</b>	<b>MVS:</b>

**Lot Approval Conditions:**

26 /		*Shallow Conventional	36		Permitted for Conventional Shallow Placement-Add 6 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.
	60	24	ASHES	18	
27 /		*Conventional	36		PERMITTED for Conventional System.
	80	24	Other	12	
28 /		*Shallow Conventional	36		Permitted for Conventional Shallow Placement-Add 6 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.
	60	24	ASHES	18	
29 /		*Engineered - Other	25		NOT APPROVED due to soil conditions found during Health Dept. Site Visit. Reported data does not agree with field findings.
	55	12	Rock	18	
3 /		*Shallow Conventional	32		Permitted for Engineered Shallow Placement-Add 10 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.
	80	24	ASHES	18	
30 /		*Conventional	36		PERMITTED for Conventional System.
	80	24	Other	12	
31 /		*Engineered - Other	19		NOT APPROVED due to soil conditions found during Health Dept. Site Visit. Reported data does not agree with field findings.
	35	12	Other	18	
32 /		*Engineered - Other	22		NOT APPROVED due to soil conditions found during Health Dept. Site Visit. Reported data does not agree with field findings.
	80	24	Other	12	
33 /		*Conventional	42		PERMITTED for Conventional System.
	65	24	Other	18	

<b>Lot/Block:</b>	<b>Lot Size:</b>	<b>System Type:</b>	<b>Restrictive Layer Depth:</b>
<b>Perc rate range:</b>	<b>Perc depth range:</b>	<b>Type of Restriction:</b>	<b>MVS:</b>

**Lot Approval Conditions:**

<b>34 /</b>		*Shallow Conventional	32
	30	12	Other 12

Permitted for Conventional Shallow Placement-Add 4 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

<b>35 /</b>		*Shallow Conventional	26
	80	24	ASHES 18

Permitted for Conventional Shallow Placement-Add 12 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

<b>36 /</b>		*Shallow Conventional	26
	80	16	ASHES 18

Permitted for Conventional Shallow Placement-Add 12 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

<b>37 /</b>		*Shallow Conventional	28
	80	24	ASHES 18

Permitted for Conventional Shallow Placement-Add 12 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

<b>38 /</b>		*Shallow Conventional	26
	80	24	ASHES 18

Permitted for Conventional Shallow Placement-Add 12 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

<b>39 /</b>		*Shallow Conventional	26
	80	14	ASHES 18

Permitted for Conventional Shallow Placement-Add 12 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

<b>4 /</b>		*Shallow Conventional	26
	75	20	Other 12

Permitted for Conventional Shallow Placement-Add 10 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

<b>40 /</b>		*Shallow Conventional	36
	55	24	ASHES 18

Permitted for Conventional Shallow Placement-Add 6 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

<b>41 /</b>		*Shallow Conventional	36
	60	24	ASHES 18

Permitted for Conventional Shallow Placement-Add 6 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

<b>Lot /Block:</b>	<b>Lot Size</b>	<b>System Type:</b>	<b>Restrictive Layer Depth:</b>
<b>Perc rate range:</b>	<b>Perc depth range:</b>	<b>Type of Restriction:</b>	<b>MVS:</b>

**Lot Approval Conditions:**

42 /		*Shallow Conventional	33	Permitted for Conventional Shallow Placement-Add 9 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.
	80	24	ASHES	18
43 /		*Engineered - Other	20	NOT APPROVED due to soil conditions found during Health Dept. Site Visit. Reported data does not agree with field findings.
	60	14	ASHES	18
44 /		*Shallow Conventional	24	Permitted for Conventional Shallow Placement-Add 12 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.
	65	21	Other	12
45 /		*Shallow Conventional	26	Permitted for Conventional Shallow Placement-Add 12 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.
	70	12	ASHES	18
46 /		*Shallow Conventional	26	Permitted for Conventional Shallow Placement-Add 12 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.
	75	24	ASHES	18
47 /		*Shallow Conventional	27	Permitted for Conventional Shallow Placement-Add 12 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.
	65	24	ASHES	18
48 /		*Shallow Conventional	32	Permitted for Conventional Shallow Placement-Add 10 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.
	70	14	ASHES	18
5 /		*Shallow Conventional	31	Permitted for Conventional Shallow Placement-Add 9 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.
	75	24	ASHES	18
6 /		*Conventional	43	PERMITTED for Conventional System.
	55	24	Other	18

**Lot/Block:**  **Lot Size:**  **System Type:**  **Restrictive Layer Depth:**

**Lot Approval Conditions:**

**Perc rate range:**  **Perc depth range:**  **Type of Restriction:**  **MVS:**

7 /   \*Shallow Conventional  38  
 75  21  ASHES  18

Permitted for Engineered Shallow Placement-Add 4 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

8 /   \*Shallow Conventional  36  
 75  24  ASHES  18

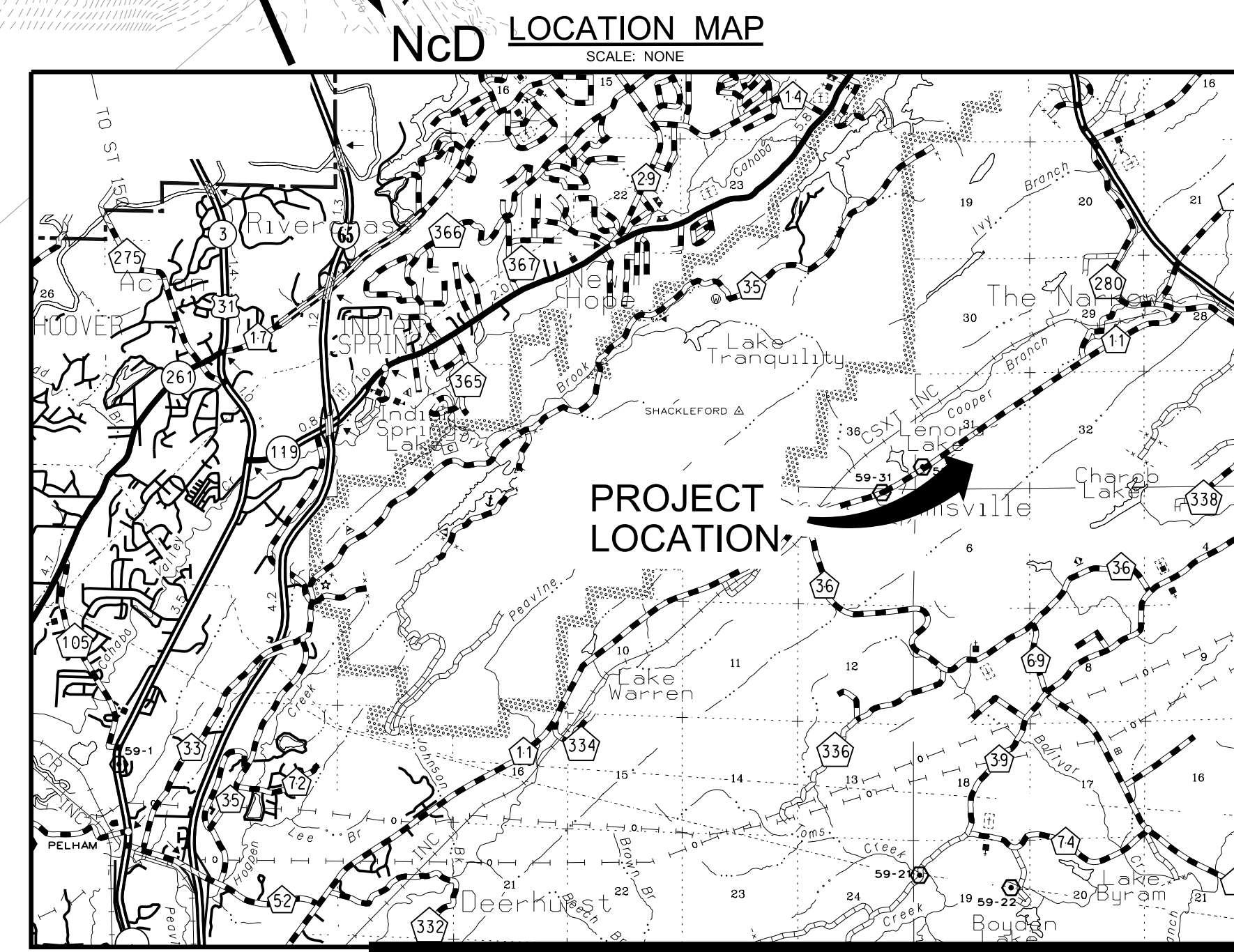
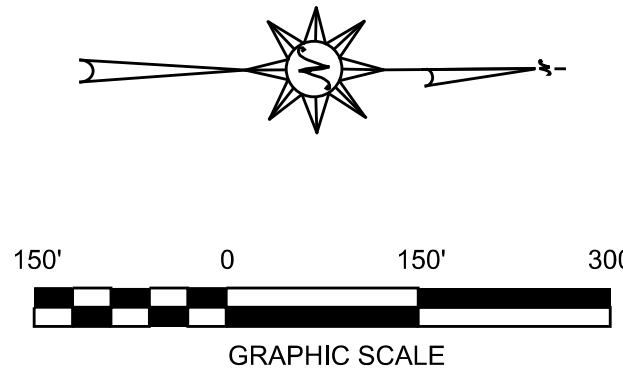
Permitted for Conventional Shallow Placement-Add 6 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

9 /   \*Shallow Conventional  32  
 55  12  Other  12

Permitted for Conventional Shallow Placement-Add 4 Inches of approved fill, then excavate trenches to 22"-24" in new ground surface. Landscape area for adequate drainage.

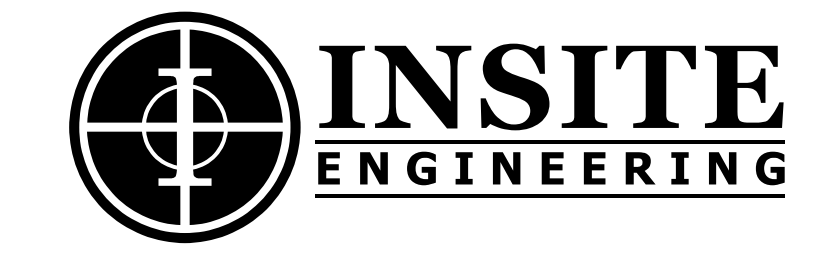


- PROPOSED BUILDING BOX
- ▨ PRIMARY FIELD LINE LOCATION (CLEARED)
- ▨ SECONDARY FIELD LINE LOCATION (UNCLEARED)
- NcE SOIL TYPE
- TEST PIT



THIS DRAWING AND THE DESIGN HEREON IS THE PROPERTY OF INSITE ENGINEERING, LLC. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF INSITE ENGINEERING, LLC.

# THE HIGHLANDS OF CHELSEA



5800 FELDSPAR WAY  
 HOOVER, ALABAMA 35244  
 OFFICE (205) 733-9696  
 FAX (205) 733-9697

CIVIL / GIS  
 INFRASTRUCTURE  
 ENVIRONMENTAL  
 PLANNING  
 COMMERCIAL  
 RESIDENTIAL





