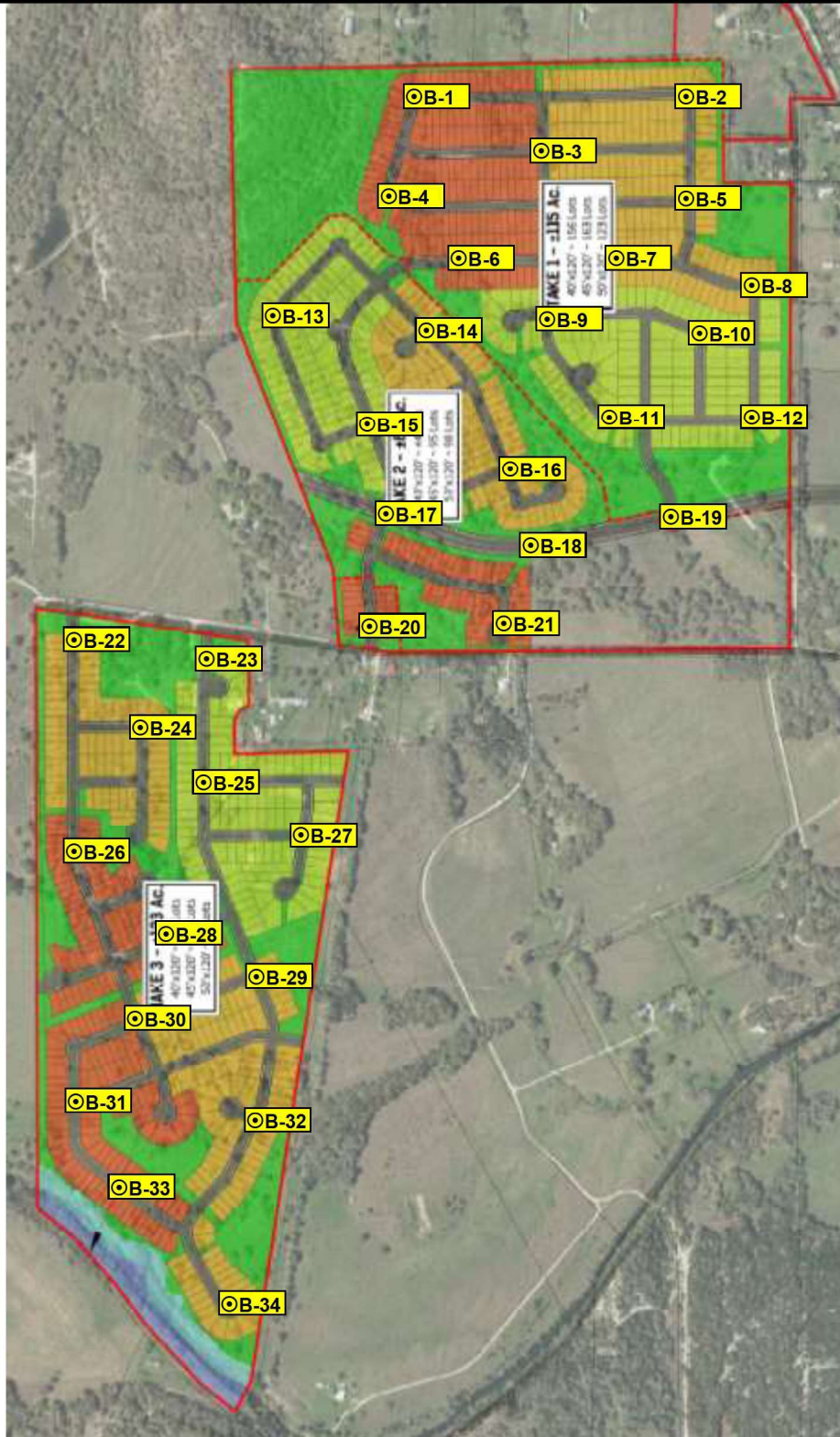




Subsurface Exploration and Pavement Analysis  
 Proposed New Streets  
 324 Acre Biedenharn Tract  
 Corley Road  
 Boerne, Texas

### Approximate Boring Locations

InTEC Project Number:  
**S201216-P**

Date:  
 09/15/2020

PROJECT: 324 Acre Biedenharn Tract - Corley Rd

PROJECT NO: S201216

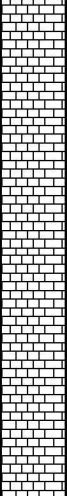
LOCATION: Boerne, Texas

DATE: 08-31-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-1

| DEPTH<br>(feet) | SYMBOL                                                                             | SAMPLES | SOIL DESCRIPTION                                    | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit   Liquid Limit<br>Moisture Content % - •<br>20 40 60 80 |  |  |  |  |  |  |
|-----------------|------------------------------------------------------------------------------------|---------|-----------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|-----------------------------------------------------------------------|--|--|--|--|--|--|
| 0               |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |  |
|                 |   | SS      | Hard Brown Clay<br>-with Gravel and Limestone Seams |                   |                    |             | 35             |                    |              |                  |                                                                       |  |  |  |  |  |  |
|                 |  | AU      | Hard Light Tan Marl to Limestone<br>-with Caliche   |                   |                    |             |                |                    | 28           | 12               |                                                                       |  |  |  |  |  |  |
| 5               |                                                                                    | SS      | -with Tan Calcareous Clay Seams to 4- ft            |                   |                    |             | 50/5"          |                    |              |                  |                                                                       |  |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |  |
| 10              |                                                                                    | SS      |                                                     |                   |                    |             | 50/4"          |                    |              |                  |                                                                       |  |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |  |
| 15              |                                                                                    | SS      |                                                     |                   |                    |             | 50/3"          |                    |              |                  |                                                                       |  |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |  |
| 20              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |  |
| 25              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |  |
| 30              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |  |
| 35              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |  |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenharn Tract - Corley Rd

PROJECT NO: S201216

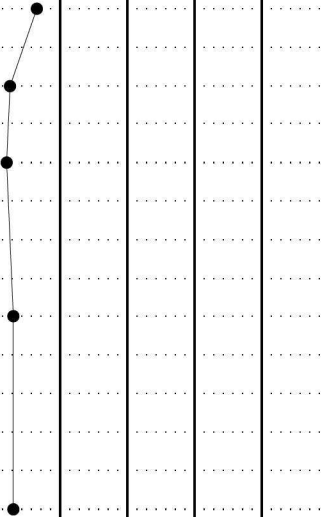
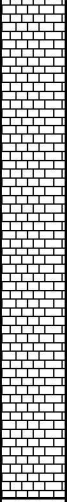
LOCATION: Boerne, Texas

DATE: 08-31-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-2

| DEPTH<br>(feet) | SYMBOL                                                                             | SAMPLES | SOIL DESCRIPTION                                    | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit ——— Liquid Limit<br>Moisture Content % - •<br>20 40 60 80              |  |  |  |  |
|-----------------|------------------------------------------------------------------------------------|---------|-----------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------------------------------------|--|--|--|--|
| 0               |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |   | SS      | Hard Brown Clay<br>-with Gravel and Limestone Seams |                   |                    |             | 43             |                    |              |                  |  |  |  |  |  |
|                 |                                                                                    | AU      | Hard Light Tan Marl to Limestone<br>-with Caliche   |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
| 5               |                                                                                    | SS      | -with Tan Calcareous Clay Seams to 4- ft            |                   |                    |             | 50/5"          |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
| 10              |                                                                                    | AU      |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
| 15              |                                                                                    | SS      |                                                     |                   |                    |             | 50/4"          |                    |              |                  |                                                                                      |  |  |  |  |
|                 |  |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
| 20              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
| 25              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
| 30              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |
| 35              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenbarn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 08-31-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-3

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                    | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit ——— Liquid Limit<br>Moisture Content % - •<br>20 40 60 80 |       |  |  |  |    |    |   |   |  |  |  |  |
|-----------------|--------|---------|-----------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|-------------------------------------------------------------------------|-------|--|--|--|----|----|---|---|--|--|--|--|
| 0               |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
|                 |        | SS      | Hard Brown Clay<br>-with Gravel and Limestone Seams |                   |                    |             | 39             |                    |              |                  | •                                                                       |       |  |  |  |    |    |   |   |  |  |  |  |
|                 |        | AU      | Hard Light Tan Marl to Limestone<br>-with Caliche   |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    | •  |   |   |  |  |  |  |
|                 |        |         | -with Tan Calcareous Clay Seams to 4- ft            |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
| 5               |        | SS      |                                                     |                   |                    |             |                |                    |              |                  |                                                                         | 50/6" |  |  |  |    | •  |   |   |  |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
|                 |        | AU      |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  | 27 | 12 | • | — |  |  |  |  |
| 10              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
|                 |        | SS      |                                                     |                   |                    |             | 50/5"          |                    |              |                  | •                                                                       |       |  |  |  |    |    |   |   |  |  |  |  |
| 15              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
| 20              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
| 25              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
| 30              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |
| 35              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |       |  |  |  |    |    |   |   |  |  |  |  |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenbarn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 09-01-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-4

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit   Liquid Limit<br>Moisture Content % - •<br>20 40 60 80 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 0               |        |         |                  |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenharn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 09-01-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-5

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                    | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit — Liquid Limit<br>Moisture Content % - • |
|-----------------|--------|---------|-----------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------|
| 0               |        |         |                                                     |                   |                    |             |                |                    |              |                  | 20 40 60 80                                            |
|                 |        | SS      | Hard Brown Clay<br>-with Gravel and Limestone Seams |                   |                    |             | 43             |                    |              |                  | •                                                      |
|                 |        | AU      | Hard Light Tan Marl to Limestone<br>-with Caliche   |                   |                    |             |                |                    |              |                  | •                                                      |
| 5               |        | SS      | -with Tan Calcareous Clay Seams to 4- ft            |                   |                    |             | 50/5"          |                    |              |                  | •                                                      |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 10              |        | AU      |                                                     |                   |                    |             |                |                    |              |                  | •                                                      |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 15              |        | SS      |                                                     |                   |                    |             | 50/3"          |                    |              |                  | •                                                      |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 20              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 25              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 30              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 35              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenharn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 09-01-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-6

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                    | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit ——— Liquid Limit<br>Moisture Content % - •<br>20 40 60 80 |  |  |  |
|-----------------|--------|---------|-----------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|-------------------------------------------------------------------------|--|--|--|
| 0               |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |  |  |  |
|                 |        | SS      | Hard Brown Clay<br>-with Gravel and Limestone Seams |                   |                    |             | 38             |                    |              |                  | •                                                                       |  |  |  |
|                 |        | SS      | Hard Light Tan Marl to Limestone<br>-with Caliche   |                   |                    |             | 50/3"          |                    |              |                  | •                                                                       |  |  |  |
| 5               |        | AU      |                                                     |                   |                    |             |                |                    |              |                  | •                                                                       |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |  |  |  |
|                 |        | AU      |                                                     |                   |                    |             |                |                    |              |                  | •                                                                       |  |  |  |
| 10              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |  |  |  |
|                 |        | SS      |                                                     |                   |                    |             | 50/4"          |                    |              |                  | •                                                                       |  |  |  |
| 15              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |  |  |  |
| 20              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |  |  |  |
| 25              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |  |  |  |
| 30              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |  |  |  |
| 35              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                         |  |  |  |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenbarn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 09-01-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-7

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                    | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit   Liquid Limit<br>Moisture Content % - • |    |    |    |
|-----------------|--------|---------|-----------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------|----|----|----|
| 0               |        |         |                                                     |                   |                    |             |                |                    |              |                  | 20                                                     | 40 | 60 | 80 |
|                 |        | SS      | Hard Brown Clay<br>-with Gravel and Limestone Seams |                   |                    |             | 38             |                    | 86           | 64               |                                                        |    |    |    |
|                 |        | SS      | Hard Tan Calcareous Clay<br>-with Gravel            |                   |                    |             | 45             |                    |              |                  |                                                        |    |    |    |
| 5               |        | AU      | Hard Light Tan Marl to Limestone<br>-with Caliche   |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |        | SS      |                                                     |                   |                    |             | 50/4"          |                    |              |                  |                                                        |    |    |    |
| 10              |        |         | Auger Refusal                                       |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 15              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 20              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 25              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 30              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 35              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |

Notes:

Ground Water Observed: No

Completion Depth (ft): 12

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenbarn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 09-01-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-8

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                    | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit — Liquid Limit<br>Moisture Content % - • |
|-----------------|--------|---------|-----------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------|
| 0               |        |         |                                                     |                   |                    |             |                |                    |              |                  | 20 40 60 80                                            |
|                 |        | SS      | Hard Brown Clay<br>-with Gravel and Limestone Seams |                   |                    |             | 17             |                    |              |                  | •                                                      |
|                 |        | SS      | Hard Tan Calcareous Clay<br>-with Gravel            |                   |                    |             | 42             |                    |              |                  | •                                                      |
| 5               |        | SS      | Hard Light Tan Marl to Limestone<br>-with Caliche   |                   |                    |             | 50/4"          |                    | 35           | 21               | • — •                                                  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        | AU      |                                                     |                   |                    |             |                |                    |              |                  | •                                                      |
| 10              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        | SS      |                                                     |                   |                    |             | 50/4"          |                    |              |                  | •                                                      |
| 15              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 20              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 25              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 30              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 35              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenharn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 09-01-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-9

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit ——— Liquid Limit<br>Moisture Content % - •<br>20 40 60 80 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenbarn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 09-02-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-10

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                                                | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit   Liquid Limit<br>Moisture Content % - • |
|-----------------|--------|---------|---------------------------------------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------|
| 0               |        |         |                                                                                 |                   |                    |             |                |                    |              |                  | 20 40 60 80                                            |
|                 |        | SS      | Very Stiff Brown Clay<br>-with Caliche and a Trace of Gravel                    |                   |                    |             | 18             |                    |              |                  | •                                                      |
|                 |        | SS      | Very Stiff Tan Clay to Tan Calcareous Clay<br>-with Caliche                     |                   |                    |             | 28             |                    |              |                  | •                                                      |
| 5               |        | SS      | Hard Light Tan Marl to Limestone<br>-with Caliche and Tan Calcareous Clay Seams |                   |                    |             | 39             |                    |              |                  | •                                                      |
| 10              |        | AU      |                                                                                 |                   |                    |             |                |                    | 33           | 18               | •                                                      |
| 15              |        | SS      |                                                                                 |                   |                    |             | 48             |                    |              |                  | •                                                      |
| 20              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 25              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 30              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 35              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenharn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 09-02-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-11

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                                                | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit   Liquid Limit<br>Moisture Content % - •<br>20 40 60 80 |  |  |  |  |
|-----------------|--------|---------|---------------------------------------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|-----------------------------------------------------------------------|--|--|--|--|
| 0               |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |
|                 |        | SS      | Very Stiff Brown Clay<br>-with Caliche and a Trace of Gravel                    |                   |                    |             | 27             |                    | 33           | 19               | •                                                                     |  |  |  |  |
|                 |        | SS      | Very Stiff Tan Clay to Tan Calcareous Clay<br>-with Caliche                     |                   |                    |             | 29             |                    |              |                  |                                                                       |  |  |  |  |
| 5               |        | SS      | Hard Light Tan Marl to Limestone<br>-with Caliche and Tan Calcareous Clay Seams |                   |                    |             | 50/5"          |                    |              |                  | •                                                                     |  |  |  |  |
|                 |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |
| 10              |        | AU      |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |
|                 |        | SS      |                                                                                 |                   |                    | 50/4"       | •              |                    |              |                  |                                                                       |  |  |  |  |
| 15              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |
|                 |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |
| 20              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |
|                 |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |
| 25              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |
|                 |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |
| 30              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |
|                 |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |
| 35              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

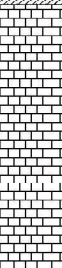
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**PROJECT:** 324 Acre Biedenbarn Tract - Corley Rd  
**LOCATION:** Boerne, Texas  
**CLIENT:** Pulte Homes of Texas, LP

**PROJECT NO:** S201216  
**DATE:** 09-02-2020



**BORING NO. B-12**

| DEPTH<br>(feet) | SYMBOL                                                                            | SAMPLES | SOIL DESCRIPTION                                                                | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit   Liquid Limit<br>Moisture Content % - • |    |    |    |
|-----------------|-----------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------|----|----|----|
| 0               |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  | 20                                                     | 40 | 60 | 80 |
|                 |  | SS      | Very Stiff Brown Clay<br>-with Caliche and a Trace of Gravel                    |                   |                    |             | 266            |                    |              |                  |                                                        |    |    |    |
|                 |  | SS      | Very Stiff Tan Clay to Tan Calcareous Clay<br>-with Caliche                     |                   |                    |             | 28             |                    | 30           | 14               |                                                        |    |    |    |
| 5               |  | AU      | Hard Light Tan Marl to Limestone<br>-with Caliche and Tan Calcareous Clay Seams |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                   | SS      |                                                                                 |                   |                    |             | 50/4"          |                    |              |                  |                                                        |    |    |    |
| 10              |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                   |         | Auger Refusal                                                                   |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 15              |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 20              |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 25              |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 30              |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 35              |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |

**Notes:**

**Ground Water Observed:** No

**Completion Depth (ft):** 11

S.S by P.P - Shear Strength in TSF  
by Hand Penetrometer

S.S. - Split Spoon Sample  
S.T. - Shelby Tube Sample

HA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenbarn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 09-02-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-13

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                                                              | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit   Liquid Limit<br>Moisture Content % - • |    |    |    |
|-----------------|--------|---------|-----------------------------------------------------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------|----|----|----|
| 0               |        |         |                                                                                               |                   |                    |             |                |                    |              |                  | 20                                                     | 40 | 60 | 80 |
|                 |        | SS      | Hard Brown Clay<br>-with Gravel and Limestone Seams                                           |                   |                    |             | 45             |                    | 23           | 10               |                                                        |    |    |    |
|                 |        | AU      | Hard Light Tan Marl to Limestone<br>-with Caliche<br>-with Tan Calcareous Clay Seams to 4- ft |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 5               |        | SS      |                                                                                               |                   |                    |             | 50/4"          |                    |              |                  |                                                        |    |    |    |
|                 |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 10              |        | AU      |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 15              |        | SS      |                                                                                               |                   |                    |             | 50/3"          |                    |              |                  |                                                        |    |    |    |
|                 |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 20              |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 25              |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 30              |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 35              |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenbarn Tract - Corley Rd

PROJECT NO: S201216

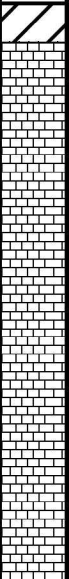
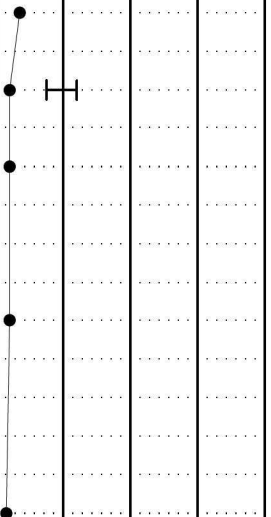
LOCATION: Boerne, Texas

DATE: 09-02-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-14

| DEPTH<br>(feet) | SYMBOL                                                                             | SAMPLES | SOIL DESCRIPTION                                    | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit ——— Liquid Limit<br>Moisture Content % - •<br>20 40 60 80              |  |  |  |  |  |
|-----------------|------------------------------------------------------------------------------------|---------|-----------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------------------------------------|--|--|--|--|--|
| 0               |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
|                 |  | SS      | Hard Brown Clay<br>-with Gravel and Limestone Seams |                   |                    |             | 36             |                    | 24           | 19               |  |  |  |  |  |  |
|                 |                                                                                    | AU      | Hard Light Tan Marl to Limestone<br>-with Caliche   |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
|                 |                                                                                    | AU      | -with Tan Calcareous Clay Seams to 4- ft            |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
| 5               |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
|                 |                                                                                    | SS      |                                                     |                   |                    |             | 50/4"          |                    |              |                  |                                                                                      |  |  |  |  |  |
| 10              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
|                 |                                                                                    | SS      |                                                     |                   |                    |             | 50/3"          |                    |              |                  |                                                                                      |  |  |  |  |  |
| 15              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
| 20              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
| 25              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
| 30              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |
| 35              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                      |  |  |  |  |  |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenbarn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 09-02-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-15

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                                                | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit — Liquid Limit<br>Moisture Content % - • |
|-----------------|--------|---------|---------------------------------------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------|
| 0               |        |         |                                                                                 |                   |                    |             |                |                    |              |                  | 20 40 60 80                                            |
|                 |        | SS      | Very Stiff Brown Clay<br>-with Caliche and a Trace of Gravel                    |                   |                    |             | 23             |                    | 83           | 62               | •                                                      |
|                 |        | SS      | Very Stiff Tan Clay to Tan Calcareous Clay<br>-with Caliche                     |                   |                    |             | 26             |                    |              |                  | •                                                      |
| 5               |        | AU      | Hard Light Tan Marl to Limestone<br>-with Caliche and Tan Calcareous Clay Seams |                   |                    |             |                |                    |              |                  | •                                                      |
|                 |        | AU      |                                                                                 |                   |                    |             |                |                    |              |                  | •                                                      |
| 10              |        | AU      |                                                                                 |                   |                    |             |                |                    |              |                  | •                                                      |
|                 |        | SS      |                                                                                 |                   |                    |             | 50/5"          |                    |              |                  | •                                                      |
| 15              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 20              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 25              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 30              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 35              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenbarn Tract - Corley Rd

PROJECT NO: S201216

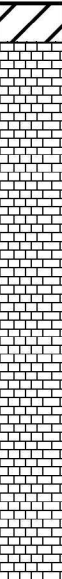
LOCATION: Boerne, Texas

DATE: 09-02-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-16

| DEPTH<br>(feet) | SYMBOL                                                                             | SAMPLES | SOIL DESCRIPTION                                    | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit   Liquid Limit<br>Moisture Content % - • |    |    |    |
|-----------------|------------------------------------------------------------------------------------|---------|-----------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------|----|----|----|
| 0               |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  | 20                                                     | 40 | 60 | 80 |
|                 |  | SS      | Hard Brown Clay<br>-with Gravel and Limestone Seams |                   |                    |             | 39             |                    |              |                  | •                                                      |    |    |    |
|                 |                                                                                    | SS      | Hard Light Tan Marl to Limestone<br>-with Caliche   |                   |                    |             | 50/4"          |                    |              |                  | •                                                      |    |    |    |
| 5               |                                                                                    | AU      | -with Tan Calcareous Clay Seams to 4- ft            |                   |                    |             |                |                    |              |                  | •                                                      |    |    |    |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                    | AU      |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 10              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  | •                                                      |    |    |    |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                    | SS      |                                                     |                   |                    |             | 50/4"          |                    |              |                  | •                                                      |    |    |    |
| 15              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 20              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 25              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 30              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 35              |                                                                                    |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenbarn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 09-02-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-17

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                                                | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit — Liquid Limit<br>Moisture Content % - • |
|-----------------|--------|---------|---------------------------------------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------|
| 0               |        |         |                                                                                 |                   |                    |             |                |                    |              |                  | 20 40 60 80                                            |
|                 |        | SS      | Very Stiff Brown Clay<br>-with Caliche and a Trace of Gravel                    |                   |                    |             | 16             |                    |              |                  | •                                                      |
|                 |        | SS      | Very Stiff Tan Clay to Tan Calcareous Clay<br>-with Caliche                     |                   |                    |             | 21             |                    |              |                  | •                                                      |
| 5               |        | SS      | Hard Light Tan Marl to Limestone<br>-with Caliche and Tan Calcareous Clay Seams |                   |                    |             | 39             |                    | 64           | 46               | •                                                      |
| 10              |        | SS      |                                                                                 |                   |                    |             | 50/6"          |                    |              |                  | •                                                      |
|                 |        |         | Auger Refusal                                                                   |                   |                    |             |                |                    |              |                  |                                                        |
| 15              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 20              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 25              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 30              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 35              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |

Notes:

Ground Water Observed: No

Completion Depth (ft): 11

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenbarn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 09-02-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-18

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                    | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit — Liquid Limit<br>Moisture Content % - • |
|-----------------|--------|---------|-----------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------|
| 0               |        |         |                                                     |                   |                    |             |                |                    |              |                  | 20 40 60 80                                            |
|                 |        | SS      | Hard Brown Clay<br>-with Gravel and Limestone Seams |                   |                    |             | 38             |                    |              |                  | •                                                      |
|                 |        | SS      | Hard Light Tan Marl to Limestone<br>-with Caliche   |                   |                    |             | 66             |                    |              |                  | •                                                      |
| 5               |        | AU      | -with Tan Calcareous Clay Seams to 4- ft            |                   |                    |             |                |                    |              |                  | •                                                      |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        | AU      |                                                     |                   |                    |             |                |                    |              |                  | •                                                      |
| 10              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        | SS      |                                                     |                   |                    |             | 50/4"          |                    |              |                  | •                                                      |
| 15              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 20              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 25              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 30              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 35              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenharn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 09-02-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-19

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                                                | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit — Liquid Limit<br>Moisture Content % - • |
|-----------------|--------|---------|---------------------------------------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------|
| 0               |        |         |                                                                                 |                   |                    |             |                |                    |              |                  | 20 40 60 80                                            |
|                 |        | SS      | Very Stiff Brown Clay<br>-with Caliche and a Trace of Gravel                    |                   |                    |             | 26             |                    | 66           | 47               | •                                                      |
|                 |        | SS      | Very Stiff Tan Clay to Tan Calcareous Clay<br>-with Caliche                     |                   |                    |             | 29             |                    |              |                  | •                                                      |
| 5               |        | AU      | Hard Light Tan Marl to Limestone<br>-with Caliche and Tan Calcareous Clay Seams |                   |                    |             |                |                    |              |                  | •                                                      |
|                 |        | SS      |                                                                                 |                   |                    |             | 50/5"          |                    |              |                  | •                                                      |
| 10              |        |         | Auger Refusal                                                                   |                   |                    |             |                |                    |              |                  |                                                        |
| 15              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 20              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 25              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 30              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 35              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |

Notes:

Ground Water Observed: No

Completion Depth (ft): 11

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenbarn Tract - Corley Rd

PROJECT NO: S201216

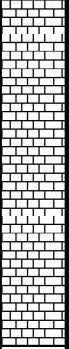
LOCATION: Boerne, Texas

DATE: 09-02-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-20

| DEPTH<br>(feet) | SYMBOL                                                                            | SAMPLES | SOIL DESCRIPTION                                                                | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit — Liquid Limit<br>Moisture Content % - •<br>20 40 60 80 |  |  |  |  |  |
|-----------------|-----------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|-----------------------------------------------------------------------|--|--|--|--|--|
| 0               |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |  | SS      | Very Stiff Brown Clay<br>-with Caliche and a Trace of Gravel                    |                   |                    |             | 24             |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |  | SS      | Very Stiff Tan Clay to Tan Calcareous Clay<br>-with Caliche                     |                   |                    |             | 28             |                    |              |                  |                                                                       |  |  |  |  |  |
| 5               |  | AU      | Hard Light Tan Marl to Limestone<br>-with Caliche and Tan Calcareous Clay Seams |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
| 10              |                                                                                   | SS      |                                                                                 |                   |                    |             | 50/4"          |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |                                                                                   |         | Auger Refusal                                                                   |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
| 15              |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
| 20              |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
| 25              |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
| 30              |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
| 35              |                                                                                   |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |

Notes:

Ground Water Observed: No

Completion Depth (ft): 12

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenbarn Tract - Corley Rd

PROJECT NO: S201216

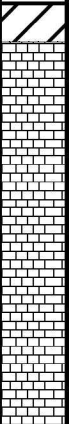
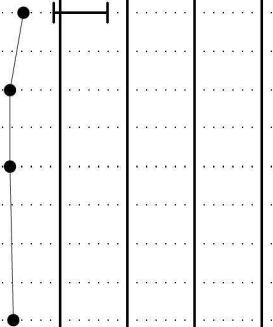
LOCATION: Boerne, Texas

DATE: 09-02-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-21

| DEPTH<br>(feet) | SYMBOL                                                                            | SAMPLES | SOIL DESCRIPTION                                    | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit   Liquid Limit<br>Moisture Content % - •                              |    |    |    |
|-----------------|-----------------------------------------------------------------------------------|---------|-----------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|-------------------------------------------------------------------------------------|----|----|----|
| 0               |                                                                                   |         |                                                     |                   |                    |             |                |                    |              |                  | 20                                                                                  | 40 | 60 | 80 |
|                 |  | SS      | Hard Brown Clay<br>-with Gravel and Limestone Seams |                   |                    |             | 38             |                    | 34           | 19               |  |    |    |    |
|                 |                                                                                   | SS      | Hard Light Tan Marl to Limestone<br>-with Caliche   |                   |                    |             | 50/6"          |                    |              |                  |                                                                                     |    |    |    |
| 5               |                                                                                   | AU      | -with Tan Calcareous Clay Seams to 4- ft            |                   |                    |             |                |                    |              |                  |                                                                                     |    |    |    |
|                 |                                                                                   |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                     |    |    |    |
|                 |                                                                                   | SS      |                                                     |                   |                    |             | 50/5"          |                    |              |                  |                                                                                     |    |    |    |
| 10              |                                                                                   |         | Auger Refusal                                       |                   |                    |             |                |                    |              |                  |                                                                                     |    |    |    |
|                 |                                                                                   |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                     |    |    |    |
| 15              |                                                                                   |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                     |    |    |    |
|                 |                                                                                   |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                     |    |    |    |
| 20              |                                                                                   |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                     |    |    |    |
|                 |                                                                                   |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                     |    |    |    |
| 25              |                                                                                   |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                     |    |    |    |
|                 |                                                                                   |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                     |    |    |    |
| 30              |                                                                                   |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                     |    |    |    |
|                 |                                                                                   |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                     |    |    |    |
| 35              |                                                                                   |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                                     |    |    |    |

Notes:

Ground Water Observed: No

Completion Depth (ft): 11

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenbarn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 09-02-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-22

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit — Liquid Limit<br>Moisture Content % - •<br>20 40 60 80 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenharn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 08-31-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-23

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                                                | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit   Liquid Limit<br>Moisture Content % - • |
|-----------------|--------|---------|---------------------------------------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------|
| 0               |        |         |                                                                                 |                   |                    |             |                |                    |              |                  | 20 40 60 80                                            |
|                 |        | SS      | Very Stiff Brown Clay<br>-with Caliche and a Trace of Gravel                    |                   |                    |             | 29             |                    | 97           | 77               | •                                                      |
|                 |        | SS      | Hard Tan Calcareous Clay                                                        |                   |                    |             | 35             |                    |              |                  | •                                                      |
| 5               |        | SS      | Hard Light Tan Marl to Limestone<br>-with Caliche and Tan Calcareous Clay Seams |                   |                    |             | 50/5"          |                    |              |                  | •                                                      |
| 10              |        | AU      |                                                                                 |                   |                    |             |                |                    |              |                  | •                                                      |
| 15              |        | SS      |                                                                                 |                   |                    |             | 50/4"          |                    |              |                  | •                                                      |
| 20              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 25              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 30              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 35              |        |         |                                                                                 |                   |                    |             |                |                    |              |                  |                                                        |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenharn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 08-31-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-24

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                    | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit — Liquid Limit<br>Moisture Content % - • |
|-----------------|--------|---------|-----------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------|
| 0               |        |         |                                                     |                   |                    |             |                |                    |              |                  | 20 40 60 80                                            |
|                 |        | SS      | Brown Clay                                          |                   |                    |             | 21             |                    |              |                  |                                                        |
|                 |        | SS      | Hard Tan Clay to Tan Gravelly Clay<br>-with Caliche |                   |                    |             | 58             |                    |              |                  |                                                        |
| 5               |        | SS      | Hard Light Tan Marl to Limestone                    |                   |                    |             | 50/3"          |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        | AU      |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 10              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        | SS      |                                                     |                   |                    |             | 50/3"          |                    |              |                  |                                                        |
| 15              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 20              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 25              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 30              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 35              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenbarn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 08-31-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-25

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit — Liquid Limit<br>Moisture Content % - • |
|-----------------|--------|---------|-------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------|
| 0               |        |         |                                                 |                   |                    |             |                |                    |              |                  | 20 40 60 80                                            |
|                 |        | SS      | Very Stiff Brown Clay<br>-with Gravel           |                   |                    |             | 30             |                    |              |                  | •                                                      |
|                 |        | SS      | Hard Light Tan Calcareous Clay<br>-with Caliche |                   |                    |             | 42             |                    |              |                  | •                                                      |
| 5               |        | SS      | Hard Light Tan Marl to Limestone                |                   |                    |             | 50/5"          |                    |              |                  | •                                                      |
|                 |        |         |                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 10              |        | AU      |                                                 |                   |                    |             |                |                    | 29           | 14               | •                                                      |
|                 |        |         |                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 15              |        | SS      |                                                 |                   |                    |             | 50/4"          |                    |              |                  | •                                                      |
|                 |        |         |                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 20              |        |         |                                                 |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 25              |        |         |                                                 |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 30              |        |         |                                                 |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                 |                   |                    |             |                |                    |              |                  |                                                        |
| 35              |        |         |                                                 |                   |                    |             |                |                    |              |                  |                                                        |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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**PROJECT:** 324 Acre Biedenbarn Tract - Corley Rd  
**LOCATION:** Boerne, Texas  
**CLIENT:** Pulte Homes of Texas, LP

**PROJECT NO:** S201216  
**DATE:** 08-31-2020



**BORING NO. B-26**

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                                                              | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit   Liquid Limit<br>Moisture Content % - • |    |    |    |
|-----------------|--------|---------|-----------------------------------------------------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------|----|----|----|
| 0               |        |         |                                                                                               |                   |                    |             |                |                    |              |                  | 20                                                     | 40 | 60 | 80 |
|                 |        | SS      | Hard Brown Clay<br>-with Gravel and Limestone Seams                                           |                   |                    |             | 37             |                    |              |                  |                                                        |    |    |    |
|                 |        | SS      | Hard Light Tan Marl to Limestone<br>-with Caliche<br>-with Tan Calcareous Clay Seams to 4- ft |                   |                    |             | 50/6"          |                    |              |                  |                                                        |    |    |    |
| 5               |        | AU      |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 10              |        | AU      |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 15              |        | SS      |                                                                                               |                   |                    |             | 50/5"          |                    |              |                  |                                                        |    |    |    |
|                 |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 20              |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 25              |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 30              |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
|                 |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |
| 35              |        |         |                                                                                               |                   |                    |             |                |                    |              |                  |                                                        |    |    |    |

**Notes:**

**Ground Water Observed:** No

**Completion Depth (ft):** 15

S.S by P.P - Shear Strength in TSF  
by Hand Penetrometer

S.S. - Split Spoon Sample  
S.T. - Shelby Tube Sample

HA - Hand Auger  
AU - Auger Sample

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**PROJECT:** 324 Acre Biedenharn Tract - Corley Rd  
**LOCATION:** Boerne, Texas  
**CLIENT:** Pulte Homes of Texas, LP

**PROJECT NO:** S201216  
**DATE:** 08-31-2020



**BORING NO. B-27**

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                    | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit   Liquid Limit<br>Moisture Content % - • |
|-----------------|--------|---------|-----------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------|
| 0               |        |         |                                                     |                   |                    |             |                |                    |              |                  | 20 40 60 80                                            |
|                 |        | SS      | Hard Brown Clay<br>-with Gravel and Limestone Seams |                   |                    |             | 38             |                    |              |                  | •                                                      |
|                 |        | SS      | Hard Light Tan Marl to Limestone<br>-with Caliche   |                   |                    |             | 66             |                    | 34           | 21               | •                                                      |
| 5               |        | AU      | -with Tan Calcareous Clay Seams to 4- ft            |                   |                    |             |                |                    |              |                  | •                                                      |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  | •                                                      |
|                 |        | AU      |                                                     |                   |                    |             |                |                    |              |                  | •                                                      |
| 10              |        |         |                                                     |                   |                    |             |                |                    |              |                  | •                                                      |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  | •                                                      |
|                 |        | SS      |                                                     |                   |                    |             | 50/5"          |                    |              |                  | •                                                      |
| 15              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 20              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 25              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 30              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |
| 35              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                        |

**Notes:**

**Ground Water Observed:** No

**Completion Depth (ft):** 15

S.S by P.P - Shear Strength in TSF  
by Hand Penetrometer

S.S. - Split Spoon Sample  
S.T. - Shelby Tube Sample

HA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenharn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 08-31-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-28

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                  | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit — Liquid Limit<br>Moisture Content % - • |
|-----------------|--------|---------|---------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------|
| 0               |        |         |                                                   |                   |                    |             |                |                    |              |                  | 20 40 60 80                                            |
|                 |        | SS      | Very Stiff Brown Clay<br>-with Gravel             |                   |                    |             | 28             |                    |              |                  | •                                                      |
|                 |        | SS      | Hard Tan Gravelly Clay                            |                   |                    |             | 43             |                    |              |                  | •                                                      |
| 5               |        | SS      | Hard Light Tan Marl to Limestone<br>-with Caliche |                   |                    |             | 50/5"          |                    |              |                  | •                                                      |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
| 10              |        | AU      |                                                   |                   |                    |             |                |                    |              |                  | •                                                      |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
| 15              |        | SS      |                                                   |                   |                    |             | 50/4"          |                    |              |                  | •                                                      |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
| 20              |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
| 25              |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
| 30              |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
| 35              |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenharn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 08-31-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-29

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                  | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit — Liquid Limit<br>Moisture Content % - • |
|-----------------|--------|---------|---------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------|
| 0               |        |         |                                                   |                   |                    |             |                |                    |              |                  | 20 40 60 80                                            |
|                 |        | SS      | Very Stiff Brown Clay<br>-with Gravel             |                   |                    |             | 27             |                    | 84           | 65               | •                                                      |
|                 |        |         | Hard Tan Gravelly Clay                            |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        | SS      | Hard Light Tan Marl to Limestone<br>-with Caliche |                   |                    |             | 41             |                    |              |                  | •                                                      |
| 5               |        | SS      |                                                   |                   |                    |             | 50/4"          |                    |              |                  | •                                                      |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
| 10              |        | AU      |                                                   |                   |                    |             |                |                    |              |                  | •                                                      |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
| 15              |        | SS      |                                                   |                   |                    |             | 50/3"          |                    |              |                  | •                                                      |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
| 20              |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
| 25              |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
| 30              |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
|                 |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |
| 35              |        |         |                                                   |                   |                    |             |                |                    |              |                  |                                                        |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenharn Tract - Corley Rd

PROJECT NO: S201216

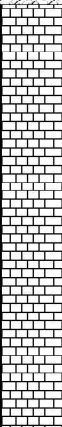
LOCATION: Boerne, Texas

DATE: 08-31-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-30

| DEPTH<br>(feet) | SYMBOL                                                                             | SAMPLES | SOIL DESCRIPTION                      | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit   Liquid Limit<br>Moisture Content % - •                               |    |    |    |
|-----------------|------------------------------------------------------------------------------------|---------|---------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------------------------------------|----|----|----|
| 0               |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  | 20                                                                                   | 40 | 60 | 80 |
|                 |   | SS      | Very Stiff Brown Clay<br>-with Gravel |                   |                    |             | 22             |                    | 56           | 37               |  |    |    |    |
|                 |                                                                                    | SS      | Hard Tan Gravelly Clay                |                   |                    |             | 37             |                    |              |                  |                                                                                      |    |    |    |
| 5               |                                                                                    | SS      | Hard Light Tan Marl to Limestone      |                   |                    |             | 50/5"          |                    |              |                  |                                                                                      |    |    |    |
|                 |  |         |                                       |                   |                    |             | 50/4"          |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    | AU      |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
| 10              |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    | SS      |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
| 15              |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
| 20              |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
| 25              |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
| 30              |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
| 35              |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenharn Tract - Corley Rd

PROJECT NO: S201216

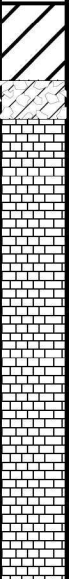
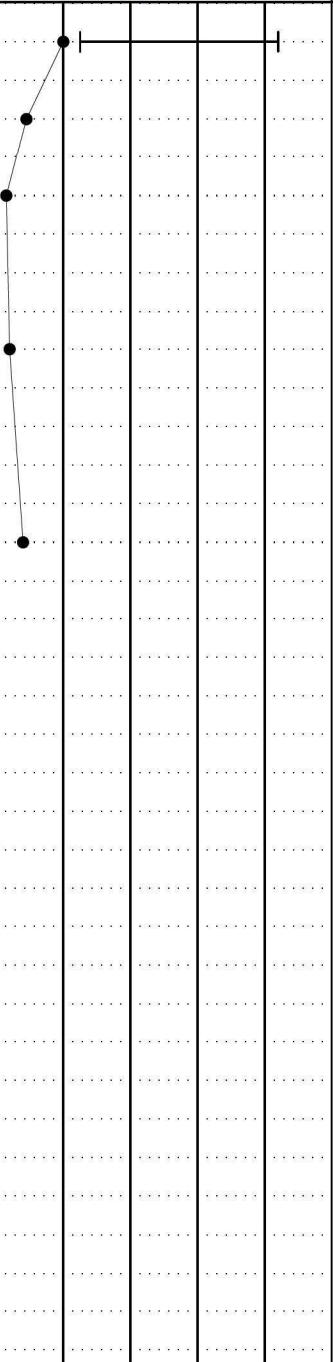
LOCATION: Boerne, Texas

DATE: 08-31-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-31

| DEPTH<br>(feet) | SYMBOL                                                                             | SAMPLES | SOIL DESCRIPTION                      | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit   Liquid Limit<br>Moisture Content % - •                               |    |    |    |
|-----------------|------------------------------------------------------------------------------------|---------|---------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|--------------------------------------------------------------------------------------|----|----|----|
| 0               |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  | 20                                                                                   | 40 | 60 | 80 |
|                 |  | SS      | Very Stiff Brown Clay<br>-with Gravel |                   |                    |             | 26             |                    | 84           | 59               |  |    |    |    |
|                 |                                                                                    | SS      | Hard Tan Gravelly Clay                |                   |                    |             | 41             |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    | SS      | Hard Light Tan Marl to Limestone      |                   |                    |             | 50/4"          |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
| 5               |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
| 10              |                                                                                    | AU      |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
| 15              |                                                                                    | SS      |                                       |                   |                    |             | 50/3"          |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
| 20              |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
| 25              |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
| 30              |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
|                 |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |
| 35              |                                                                                    |         |                                       |                   |                    |             |                |                    |              |                  |                                                                                      |    |    |    |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenharn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 08-28-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-32

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                      | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit — Liquid Limit<br>Moisture Content % - •<br>20 40 60 80 |
|-----------------|--------|---------|---------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|-----------------------------------------------------------------------|
| 0               |        |         |                                       |                   |                    |             |                |                    |              |                  |                                                                       |
|                 |        | SS      | Very Stiff Brown Clay<br>-with Gravel |                   |                    |             | 29             |                    |              |                  | •                                                                     |
|                 |        |         | Hard Tan Gravelly Clay                |                   |                    |             |                |                    |              |                  |                                                                       |
|                 |        | SS      | Hard Light Tan Marl to Limestone      |                   |                    |             | 36             |                    |              |                  | •                                                                     |
| 5               |        | SS      |                                       |                   |                    |             | 50/4"          |                    |              |                  | •                                                                     |
|                 |        |         |                                       |                   |                    |             |                |                    |              |                  |                                                                       |
|                 |        | AU      |                                       |                   |                    |             |                |                    |              |                  | •                                                                     |
| 10              |        |         |                                       |                   |                    |             |                |                    |              |                  |                                                                       |
|                 |        |         |                                       |                   |                    |             |                |                    |              |                  |                                                                       |
|                 |        | SS      |                                       |                   |                    |             | 50/3"          |                    |              |                  | •                                                                     |
| 15              |        |         |                                       |                   |                    |             |                |                    |              |                  |                                                                       |
|                 |        |         |                                       |                   |                    |             |                |                    |              |                  |                                                                       |
| 20              |        |         |                                       |                   |                    |             |                |                    |              |                  |                                                                       |
|                 |        |         |                                       |                   |                    |             |                |                    |              |                  |                                                                       |
| 25              |        |         |                                       |                   |                    |             |                |                    |              |                  |                                                                       |
|                 |        |         |                                       |                   |                    |             |                |                    |              |                  |                                                                       |
| 30              |        |         |                                       |                   |                    |             |                |                    |              |                  |                                                                       |
|                 |        |         |                                       |                   |                    |             |                |                    |              |                  |                                                                       |
| 35              |        |         |                                       |                   |                    |             |                |                    |              |                  |                                                                       |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

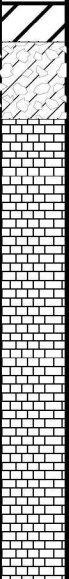
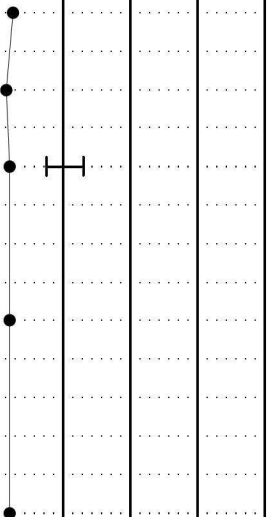
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**PROJECT:** 324 Acre Biedenharn Tract - Corley Rd  
**LOCATION:** Boerne, Texas  
**CLIENT:** Pulte Homes of Texas, LP

**PROJECT NO:** S201216  
**DATE:** 08-28-2020



**BORING NO. B-33**

| DEPTH<br>(feet) | SYMBOL                                                                             | SAMPLES | SOIL DESCRIPTION                      | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT                   | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit — Liquid Limit<br>Moisture Content % - •<br>20 40 60 80                |  |  |  |  |       |
|-----------------|------------------------------------------------------------------------------------|---------|---------------------------------------|-------------------|--------------------|-------------|----------------------------------|--------------------|--------------|------------------|--------------------------------------------------------------------------------------|--|--|--|--|-------|
| 0               |                                                                                    |         |                                       |                   |                    |             |                                  |                    |              |                  |                                                                                      |  |  |  |  |       |
|                 |  | SS      | Very Stiff Brown Clay<br>-with Gravel |                   |                    |             | 36                               |                    | 26           | 11               |  |  |  |  |  |       |
|                 |                                                                                    |         | SS                                    |                   |                    |             | Hard Tan Gravelly Clay           |                    |              |                  |                                                                                      |  |  |  |  | 47    |
|                 |                                                                                    |         | SS                                    |                   |                    |             | Hard Light Tan Marl to Limestone |                    |              |                  |                                                                                      |  |  |  |  | 50/5" |
| 5               |                                                                                    |         |                                       |                   |                    |             |                                  |                    |              |                  |                                                                                      |  |  |  |  |       |
|                 |                                                                                    |         | AU                                    |                   |                    |             |                                  |                    |              |                  |                                                                                      |  |  |  |  |       |
| 10              |                                                                                    |         |                                       |                   |                    |             |                                  |                    |              |                  |                                                                                      |  |  |  |  |       |
|                 |                                                                                    | SS      |                                       |                   |                    |             | 50/4"                            |                    |              |                  |                                                                                      |  |  |  |  |       |
| 15              |                                                                                    |         |                                       |                   |                    |             |                                  |                    |              |                  |                                                                                      |  |  |  |  |       |
|                 |                                                                                    |         |                                       |                   |                    |             |                                  |                    |              |                  |                                                                                      |  |  |  |  |       |
| 20              |                                                                                    |         |                                       |                   |                    |             |                                  |                    |              |                  |                                                                                      |  |  |  |  |       |
|                 |                                                                                    |         |                                       |                   |                    |             |                                  |                    |              |                  |                                                                                      |  |  |  |  |       |
| 25              |                                                                                    |         |                                       |                   |                    |             |                                  |                    |              |                  |                                                                                      |  |  |  |  |       |
|                 |                                                                                    |         |                                       |                   |                    |             |                                  |                    |              |                  |                                                                                      |  |  |  |  |       |
| 30              |                                                                                    |         |                                       |                   |                    |             |                                  |                    |              |                  |                                                                                      |  |  |  |  |       |
|                 |                                                                                    |         |                                       |                   |                    |             |                                  |                    |              |                  |                                                                                      |  |  |  |  |       |
| 35              |                                                                                    |         |                                       |                   |                    |             |                                  |                    |              |                  |                                                                                      |  |  |  |  |       |

**Notes:**

**Ground Water Observed:** No

**Completion Depth (ft):** 15

S.S by P.P - Shear Strength in TSF  
by Hand Penetrometer

S.S. - Split Spoon Sample  
S.T. - Shelby Tube Sample

HA - Hand Auger  
AU - Auger Sample

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PROJECT: 324 Acre Biedenbarn Tract - Corley Rd

PROJECT NO: S201216

LOCATION: Boerne, Texas

DATE: 08-28-2020

CLIENT: Pulte Homes of Texas, LP



BORING NO. B-34

| DEPTH<br>(feet) | SYMBOL | SAMPLES | SOIL DESCRIPTION                                    | % MINUS 200 SIEVE | UNIT DRY WT IN PCF | S.S. BY P.P | BLOWS PER FOOT | SHEAR STRENGTH TSF | LIQUID LIMIT | PLASTICITY INDEX | Plastic Limit — Liquid Limit<br>Moisture Content % - •<br>20 40 60 80 |  |  |  |  |  |
|-----------------|--------|---------|-----------------------------------------------------|-------------------|--------------------|-------------|----------------|--------------------|--------------|------------------|-----------------------------------------------------------------------|--|--|--|--|--|
| 0               |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |        | SS      | Hard Brown Clay<br>-with Gravel and Limestone Seams |                   |                    |             | 46             |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |        | SS      | Hard Light Tan Marl to Limestone<br>-with Caliche   |                   |                    |             | 50/3"          |                    |              |                  |                                                                       |  |  |  |  |  |
| 5               |        | AU      | -with Tan Calcareous Clay Seams to 4- ft            |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |        | AU      |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
| 10              |        | SS      |                                                     |                   |                    |             | 50/4"          |                    |              |                  |                                                                       |  |  |  |  |  |
| 15              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
| 20              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
| 25              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
| 30              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
|                 |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |
| 35              |        |         |                                                     |                   |                    |             |                |                    |              |                  |                                                                       |  |  |  |  |  |

Notes:

Ground Water Observed: No

Completion Depth (ft): 15

S.S by P.P - Shear Strength in TSF  
by Hand PenetrometerS.S. - Split Spoon Sample  
S.T. - Shelby Tube SampleHA - Hand Auger  
AU - Auger Sample

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