

## RECOMMENDATIONS

Groundwater depths ranged from 3 to 6.5 feet below the ground surface at the boring locations. The 17 borings were drilled at the locations at various locations at the proposed Town Center. The boring number, depth to groundwater, and estimated seasonal high water table (SHWT) depth at each boring location is summarized in the table below.

**Table: Summary of Infiltration Test Results**

<b>Boring</b>	<b>Depth to Groundwater (ft.)</b>	<b>Estimated Depth to SHWT (ft.)</b>
B-1	4.0	4.0
B-2	6.0	5.0
B-3	6.5	6.0
B-4	6.5	6.0
B-5	3.0	3.0
B-6	6.5	4.0
B-7	4.0	4.0
B-8	4.0	4.0
B-9	4.0	4.0
B-10	5.0	5.0
B-11	5.5	5.0
B-12	5.0	5.0
B-13*	6.5	6.0
B-14*	6.5	6.0
B-15*	6.5	6.0
B-16*	6.5	6.0
B-17*	6.5	6.0

Note: \*Restrictive soils were noted between 0 to 4 feet below the ground surface.

We note that redoximorphic features can indicate seasonal high groundwater, "perched water", or a restrictive soil layer. Redoximorphic features were noted at boring locations B-3, B-6, B-7, B-8, and B-13. The presence of restrictive soils at locations B-13 to B-17 may cause perched water conditions after precipitation events. Based on our observations of the subsurface conditions at the site and in consideration of groundwater level data from DGS Well ID Pe54-51, we estimate that seasonal high groundwater is similar to the conditions encountered during our exploration as noted in the Table. We note that seasonal high groundwater may vary across the site.

## REMARKS

This report has been prepared solely and exclusively for Hillcrest Associates to provide preliminary soil and groundwater data for the proposed Bridgeville Town Center project in Bridgeville, Delaware. It has not been developed to meet the needs of others, and application of this report for other than its intended purpose could result in substantial difficulties. The Consulting Engineer cannot be held accountable for any problems which occur due to the application of this report to other than its intended purpose. This report in its entirety should be attached to the project specifications.



**HYNES  
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# LOG OF BORING B-1

(Page 1 of 1)

Hillcrest Associates  
1760 Flint Hill Road  
Landenberg, Pennsylvania 19350

Bridgeville Town Center  
Project No.: JDH-10/21/195

Date Completed: : April 8, 2021  
Logged By: : E. Cross  
Drilled By: : D. Csanda  
Drilling Method: : Hand Auger  
Total Depth: : 6 feet

Depth in Feet	DESCRIPTION	GRAPHIC	USCS	Sample	REMARKS
0	Brownish yellow, wet, fine to medium SAND, with some silt, trace clay (10 YR 6/6, Sandy loam)		SM	1	Scale 1" ~ 1.5 feet  Approximately 12 inches of organic bearing soil was encountered at the ground surface.  Groundwater was encountered at 4 feet during augering operations.
1				2	
2	Brownish yellow, wet, fine to medium SAND, with some to little silt, trace clay (10 YR 6/6, Sandy loam)		SM	3	
3				4	
4				5	
5				6	
6	Boring terminated at 6 feet.				
7					
8					
9					
10					



**HYNES  
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## LOG OF BORING B-2

(Page 1 of 1)

Hillcrest Associates  
1760 Flint Hill Road  
Landenberg, Pennsylvania 19350

Bridgeville Town Center  
Project No.: JDH-10/21/195

Date Completed: : April 8, 2021  
Logged By: : E. Cross  
Drilled By: : D. Csanda  
Drilling Method: : Hand Auger  
Total Depth: : 6 feet

Depth in Feet	DESCRIPTION	GRAPHIC	USCS	Sample	REMARKS
0	Brownish yellow, wet, fine to medium SAND, with some silt, trace clay (10 YR 6/6, Sandy loam)		SM	1	Scale 1" ~ 1.5 feet  Approximately 12 inches of organic bearing soil was encountered at the ground surface.  Groundwater was encountered at 6 feet during augering operations.  At completion, water was at 6 feet.
1				2	
2				3	
3	4				
4	5				
5	6				
6	Light yellowish brown, wet, fine to medium SAND, with some silt, trace clay (10 YR 7/6, Sandy loam)		SM		
4	Brownish yellow, wet, fine to medium SAND, with some silt, trace clay (10 YR 6/6, Sandy loam)		SM		
6	Boring terminated at 6 feet.				
7					
8					
9					
10					



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## LOG OF BORING B-3

(Page 1 of 1)

Hillcrest Associates  
1760 Flint Hill Road  
Landenberg, Pennsylvania 19350

Bridgeville Town Center  
Project No.: JDH-10/21/195

Date Completed: : April 8, 2021  
 Logged By: : E. Cross  
 Drilled By: : D. Csanda  
 Drilling Method: : Hand Auger  
 Total Depth: : 7 feet

Depth in Feet	DESCRIPTION	GRAPHIC	USCS	Sample	REMARKS
0	Brownish yellow, wet, fine to medium SAND, with some silt, trace clay (10 YR 6/6, Sandy loam)		SM	1	Scale 1" ~ 1.5 feet  Approximately 24 inches of organic bearing soil was encountered at the ground surface.  Groundwater was encountered at 6.5 feet during augering operations.
1				2	
2				3	
3				4	
4	Light yellowish brown, wet, fine to medium SAND, with some to little silt (10 YR 6/8, Sandy loam)		SM	5	
5				6	
6	Light yellowish brown, saturated, fine to medium SAND, with some silt, trace clay (10 YR 6/8, Sandy loam, mottling)		SM	7	
7				Boring terminated at 7 feet.	
8					
9					
10					



**HYNES  
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# LOG OF BORING B-4

(Page 1 of 1)

Hillcrest Associates  
1760 Flint Hill Road  
Landenberg, Pennsylvania 19350

Bridgeville Town Center  
Project No.: JDH-10/21/195

Date Completed: : April 8, 2021  
 Logged By: : E. Cross  
 Drilled By: : D. Csanda  
 Drilling Method: : Hand Auger  
 Total Depth: : 7 feet

Depth in Feet	DESCRIPTION	GRAPHIC	USCS	Sample	REMARKS
0	Brownish yellow, wet, fine to medium SAND, with some silt, trace clay (10 YR 6/6, Sandy loam)		SM	1	Scale 1" ~ 1.5 feet  Approximately 12 inches of organic bearing soil was encountered at the ground surface.  Groundwater was encountered at 6.5 feet during augering operations.
1				2	
2				3	
3				4	
4	Light yellowish brown, wet, fine to medium SAND, with trace silt (10 YR 6/8, Sand)	SP	5		
5	Light brownish yellow, wet, fine to medium SAND, with some silt, trace clay (10 YR 6/6, Sandy loam)	SM	6		
6			7		
7	Boring terminated at 7 feet.				
8					
9					
10					



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## LOG OF BORING B-5

(Page 1 of 1)

Hillcrest Associates  
1760 Flint Hill Road  
Landenberg, Pennsylvania 19350

Bridgeville Town Center  
Project No.: JDH-10/21/195

Date Completed: : April 8, 2021  
 Logged By: : E. Cross  
 Drilled By: : D. Csanda  
 Drilling Method: : Hand Auger  
 Total Depth: : 5 feet

Depth in Feet	DESCRIPTION	GRAPHIC	USCS	Sample	REMARKS
0	Light yellowish brown, wet, fine to medium SAND, with little silt, trace clay (10 YR 6/6, Sandy loam)		SM	1	Scale 1" ~ 1.5 feet  Approximately 12 inches of organic bearing soil was encountered at the ground surface.  Groundwater was encountered at 3 feet during augering operations.
1				2	
2				3	
3	Pale brown, wet, fine to medium SAND, with some silt, trace clay (10 YR 6/3, Sandy loam)		SM	4	
4				5	
5	Boring terminated at 5 feet.				
6					
7					
8					
9					
10					



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## LOG OF BORING B-6

(Page 1 of 1)

Hillcrest Associates  
1760 Flint Hill Road  
Landenberg, Pennsylvania 19350

Bridgeville Town Center

Project No.: JDH-10/21/195

Date Completed: : April 8, 2021  
 Logged By: : E. Cross  
 Drilled By: : D. Csanda  
 Drilling Method: : Hand Auger  
 Total Depth: : 7 feet

Depth in Feet	DESCRIPTION	GRAPHIC	USCS	Sample	REMARKS
0	Light brownish gray, wet, fine to medium SAND, with some silt, trace clay (10 YR 6/2, Sandy loam)		SM	1	Scale 1" ~ 1.5 feet  Approximately 12 inches of organic bearing soil was encountered at the ground surface.  Groundwater was encountered at 6.5 feet during augering operations.
1				2	
2				3	
3	Light gray wet, fine to medium SAND, with some silt, trace clay (10 YR 6/2, Sandy loam, mottling)		SM	4	
4	Light gray-brown, wet, fine to medium SAND, with some silt, little clay (10 YR 6/2, Sandy loam)				
5	6				
6	7				
7	Boring terminated at 7 feet.				
8					
9					
10					



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## LOG OF BORING B-7

(Page 1 of 1)

Hillcrest Associates  
1760 Flint Hill Road  
Landenberg, Pennsylvania 19350

Bridgeville Town Center

Project No.: JDH-10/21/195

Date Completed: : April 8, 2021  
 Logged By: : E. Cross  
 Drilled By: : D. Csanda  
 Drilling Method: : Hand Auger  
 Total Depth: : 6 feet

Depth in Feet	DESCRIPTION	GRAPHIC	USCS	Sample	REMARKS
0	Light yellowish brown, wet, fine to medium SAND, with some silt, little to trace clay (10 YR 6/4, Sandy loam)		SM	1	Scale 1" ~ 1.5 feet  Approximately 12 inches of organic bearing soil was encountered at the ground surface.  Groundwater was encountered at 4 feet during augering operations.
1				2	
2	Light yellowish brown, wet, fine to medium SAND, with little silt, trace clay (10 YR 6/4, Loamy sand)		SM	3	
3				4	
4	Light yellowish brown, wet to saturated, fine to medium SAND, with little silt (10 YR 6/4, Sandy loam, mottled)		SM	5	
5				6	
6	Boring terminated at 6 feet.				
7					
8					
9					
10					





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## LOG OF BORING B-8

(Page 1 of 1)

Hillcrest Associates  
1760 Flint Hill Road  
Landenberg, Pennsylvania 19350

Bridgeville Town Center  
Project No.: JDH-10/21/195

Date Completed: : April 8, 2021  
Logged By: : E. Cross  
Drilled By: : D. Csanda  
Drilling Method: : Hand Auger  
Total Depth: : 6 feet

Depth in Feet	DESCRIPTION	GRAPHIC	USCS	Sample	REMARKS
0	Light yellowish brown, wet, fine to medium SAND, with some silt, little clay (10 YR 6/4, Sandy loam)		SM	1	Scale 1" ~ 1.5 feet  Approximately 12 inches of organic bearing soil was encountered at the ground surface.  Groundwater was encountered at 4 feet during augering operations.
1				2	
2				3	
3	Light yellowish brown, wet, fine to medium SAND, with little silt, trace clay (10 YR 6/4, Loamy sand)		SM	4	
4				5	
5	Light yellowish brown, saturated, fine to medium SAND, with little silt, trace clay (10 YR 6/4, Sandy loam, mottled)		SM	6	
6				Boring terminated at 6 feet.	
7					
8					
9					
10					



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## LOG OF BORING B-9

(Page 1 of 1)

Hillcrest Associates  
1760 Flint Hill Road  
Landenberg, Pennsylvania 19350

Bridgeville Town Center  
Project No.: JDH-10/21/195

Date Completed: : April 8, 2021  
Logged By: : E. Cross  
Drilled By: : D. Csanda  
Drilling Method: : Hand Auger  
Total Depth: : 6 feet

Depth in Feet	DESCRIPTION	GRAPHIC	USCS	Sample	REMARKS
0	Pale brown, wet, fine to medium SAND, with some silt, little clay (10 YR 6/3, Sandy loam)		SM	1	Scale 1" ~ 1.5 feet  Approximately 12 inches of organic bearing soil was encountered at the ground surface.  Groundwater was encountered at 4 feet during augering operations.
1				2	
2	Yellowish brown, wet to saturated, fine to medium SAND, with some silt, trace clay (10 YR 6/6, Sandy loam)		SM	3	
3				4	
4				5	
5				6	
6	Boring terminated at 6 feet.				
7					
8					
9					
10					



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## LOG OF BORING B-10

(Page 1 of 1)

Hillcrest Associates  
1760 Flint Hill Road  
Landenberg, Pennsylvania 19350

Bridgeville Town Center  
Project No.: JDH-10/21/195

Date Completed: : April 8, 2021  
 Logged By: : E. Cross  
 Drilled By: : D. Csanda  
 Drilling Method: : Hand Auger  
 Total Depth: : 6 feet

Depth in Feet	DESCRIPTION	GRAPHIC	USCS	Sample	REMARKS
0	Light brown, wet, fine to medium SAND, with some silt, little clay (10 YR 5/3, Sandy loam)		SM	1	Scale 1" ~ 1.5 feet  Approximately 12 inches of organic bearing soil was encountered at the ground surface.  Groundwater was encountered at 5 feet during augering operations.
1				2	
2	Light to dark brown, wet to saturated, fine to medium SAND, with little silt, trace clay (10 YR 6/6, Loamy sand)		SM	3	
3				4	
4				5	
5				6	
6	Boring terminated at 6 feet.				
7					
8					
9					
10					



**HYNES  
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# LOG OF BORING B-11

(Page 1 of 1)

Hillcrest Associates  
1760 Flint Hill Road  
Landenberg, Pennsylvania 19350

Bridgeville Town Center

Project No.: JDH-10/21/195

Date Completed: : April 8, 2021  
 Logged By: : E. Cross  
 Drilled By: : D. Csanda  
 Drilling Method: : Hand Auger  
 Total Depth: : 7 feet

Depth in Feet	DESCRIPTION	GRAPHIC	USCS	Sample	REMARKS
0	Yellowish brown, wet, fine to medium SAND, with some silt, trace to little clay (10 YR 6/6, Sandy loam)		SM	1	Scale 1" ~ 1.5 feet  Approximately 12 inches of organic bearing soil was encountered at the ground surface.  Groundwater was encountered at 5.5 feet during augering operations.
1				2	
2	Brown to light brown, wet to saturated, fine to medium SAND, with little silt, trace clay (10 YR 5/3, Loamy sand)		SM	3	
3				4	
4				5	
5				6	
6				7	
7	Boring terminated at 7 feet.				
8					
9					
10					



**HYNES  
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## LOG OF BORING B-12

(Page 1 of 1)

Hillcrest Associates  
1760 Flint Hill Road  
Landenberg, Pennsylvania 19350

Bridgeville Town Center  
Project No.: JDH-10/21/195

Date Completed: : April 8, 2021  
 Logged By: : E. Cross  
 Drilled By: : D. Csanda  
 Drilling Method: : Hand Auger  
 Total Depth: : 7 feet

Depth in Feet	DESCRIPTION	GRAPHIC	USCS	Sample	REMARKS
0	Light brown to yellowish brown, wet, fine to medium SAND, with some silt, little clay (10 YR 6/6, Sandy loam)		SM	1	Scale 1" ~ 1.5 feet  Approximately 12 inches of organic bearing soil was encountered at the ground surface.  Groundwater was encountered at 5 feet during augering operations.
1				2	
2	Yellowish brown, wet to saturated, fine to medium SAND, with little silt, trace clay (10 YR 6/6, Loamy sand)		SM	3	
3				4	
4				5	
5				6	
6				7	
7	Boring terminated at 7 feet.				
8					
9					
10					



**HYNES  
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# LOG OF BORING B-13

(Page 1 of 1)

Hillcrest Associates  
1760 Flint Hill Road  
Landenberg, Pennsylvania 19350

Bridgeville Town Center  
Project No.: JDH-10/21/195

Date Completed: : April 8, 2021  
 Logged By: : E. Cross  
 Drilled By: : D. Csanda  
 Drilling Method: : Hand Auger  
 Total Depth: : 7 feet

Depth in Feet	DESCRIPTION	GRAPHIC	USCS	Sample	REMARKS
0	Light brown to yellowish brown, wet, fine to medium SAND, with little to trace clay, little to trace silt (10 YR 6/6, Sandy clay loam)		SM-SC	1	Scale 1" ~ 1.5 feet
1				2	Approximately 12 inches of organic bearing soil was encountered at the ground surface. Groundwater was encountered at 6.5 feet during augering operations.
2	Light brown-yellowish brown, wet, fine to medium SAND, with little to trace clay, little to trace silt (10 YR 6/6, Sandy loam, mottling at 3 to 4 feet)		SC-SM	3	Laboratory Test Results Sample No. 4 From 3 to 4 feet
3				4	Sieve Analysis Sieve Passing Size % 3/8" 100 No. 4 99.5 No. 10 96.2 No. 20 89.8 No. 40 65.3 No. 60 43.2 No. 100 27.2 No. 200 16.1
4				5	
5	Light yellowish brown, wet, fine to medium SAND, with little to trace silt (10 YR 6/6, Loamy sand)		SM	6	Natural Moisture = 18.8%
6				7	
7	Boring terminated at 7 feet.				
8					
9					
10					



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# LOG OF BORING B-14

(Page 1 of 1)

Hillcrest Associates  
1760 Flint Hill Road  
Landenberg, Pennsylvania 19350

Bridgeville Town Center  
Project No.: JDH-10/21/195

Date Completed: : April 8, 2021  
 Logged By: : E. Cross  
 Drilled By: : D. Csanda  
 Drilling Method: : Hand Auger  
 Total Depth: : 7 feet

Depth in Feet	DESCRIPTION	GRAPHIC	USCS	Sample	REMARKS													
0	Light brown to brown, wet, fine to medium SAND, with little clay, trace to little silt (10 YR 5/3, Sandy clay)		SC	1	Scale 1" ~ 1.5 feet													
1				2	Approximately 12 inches of organic bearing soil was encountered at the ground surface. Groundwater was encountered at 6.5 feet during augering operations.													
2	Light brown, wet, fine to medium SAND, with little clay, trace to little silt (10 YR 7/4, Sandy clay)		SC	3	Laboratory Test Results Sample No. 5 From 4 to 5 feet													
3	Brown-dark yellowish brown, wet, fine to medium SAND, with little to trace silt, little to trace clay (10 YR 5/6, Loamy sand)		SM-SC	4	Sieve Analysis													
4				5	<table border="1"> <thead> <tr> <th>Sieve Size</th> <th>Passing %</th> </tr> </thead> <tbody> <tr><td>No. 4</td><td>100</td></tr> <tr><td>No. 10</td><td>96.7</td></tr> <tr><td>No. 20</td><td>87.2</td></tr> <tr><td>No. 40</td><td>60.5</td></tr> <tr><td>No. 60</td><td>40.1</td></tr> <tr><td>No. 100</td><td>26.7</td></tr> <tr><td>No. 200</td><td>18.2</td></tr> </tbody> </table>	Sieve Size	Passing %	No. 4	100	No. 10	96.7	No. 20	87.2	No. 40	60.5	No. 60	40.1	No. 100
Sieve Size	Passing %																	
No. 4	100																	
No. 10	96.7																	
No. 20	87.2																	
No. 40	60.5																	
No. 60	40.1																	
No. 100	26.7																	
No. 200	18.2																	
5	Light yellowish brown, wet, fine to medium SAND, with trace to little silt, trace clay (10 YR 6/4, Loamy sand)		SM	6	Natural Moisture = 16.1%													
6				7														
7	Boring terminated at 7 feet.																	
8																		
9																		
10																		



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## LOG OF BORING B-15

(Page 1 of 1)

Hillcrest Associates  
1760 Flint Hill Road  
Landenberg, Pennsylvania 19350

Bridgeville Town Center  
Project No.: JDH-10/21/195

Date Completed: : April 8, 2021  
 Logged By: : E. Cross  
 Drilled By: : D. Csanda  
 Drilling Method: : Hand Auger  
 Total Depth: : 7 feet

Depth in Feet	DESCRIPTION	GRAPHIC	USCS	Sample	REMARKS																		
0	Light brown to brown, wet, fine to medium SAND, with little clay, trace silt (10 YR 5/3, Sandy clay)		SC	1	Scale 1" ~ 1.5 feet  Approximately 12 inches of organic bearing soil was encountered at the ground surface.  Groundwater was encountered at 6.5 feet during augering operations.  Laboratory Test Results  Sample No. 5 From 4 to 5 feet  Sieve Analysis  <table style="font-size: small; margin-left: 20px;"> <thead> <tr> <th>Sieve Size</th> <th>Passing %</th> </tr> </thead> <tbody> <tr> <td>3/8"</td> <td>100</td> </tr> <tr> <td>No. 4</td> <td>96.1</td> </tr> <tr> <td>No. 10</td> <td>88.7</td> </tr> <tr> <td>No. 20</td> <td>79.9</td> </tr> <tr> <td>No. 40</td> <td>50.9</td> </tr> <tr> <td>No. 60</td> <td>24.5</td> </tr> <tr> <td>No. 100</td> <td>12.3</td> </tr> <tr> <td>No. 200</td> <td>4.6</td> </tr> </tbody> </table>	Sieve Size	Passing %	3/8"	100	No. 4	96.1	No. 10	88.7	No. 20	79.9	No. 40	50.9	No. 60	24.5	No. 100	12.3	No. 200	4.6
Sieve Size				Passing %																			
3/8"				100																			
No. 4				96.1																			
No. 10	88.7																						
No. 20	79.9																						
No. 40	50.9																						
No. 60	24.5																						
No. 100	12.3																						
No. 200	4.6																						
1	Brownish yellow, wet, fine to medium SAND, with trace silt, trace gravel (10 YR 6/6, Sand)		SP	2																			
2				3																			
3	Yellowish brown, wet, fine to medium SAND, with some silt, trace clay (10 YR 6/4, Sandy loam)		SM	4	Natural Moisture = 19.9%																		
4				5																			
5	Boring terminated at 7 feet.		SM	6																			
6				7																			
7																							
8																							
9																							
10																							





**HYNES  
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# LOG OF BORING B-16

(Page 1 of 1)

Hillcrest Associates  
1760 Flint Hill Road  
Landenberg, Pennsylvania 19350  
Bridgeville Town Center  
Project No.: JDH-10/21/195

Date Completed: : April 8, 2021  
Logged By: : E. Cross  
Drilled By: : D. Csanda  
Drilling Method: : Hand Auger  
Total Depth: : 7 feet

Depth in Feet	DESCRIPTION	GRAPHIC	USCS	Sample	REMARKS																				
0	Light brown, wet, fine to medium SAND, with little silt, trace clay, trace gravel (10 YR 5/3, Loamy sand)		SM	1	Scale 1" ~ 1.5 feet																				
1				2	Approximately 12 inches of organic bearing soil was encountered at the ground surface. Groundwater was encountered at 6.5 feet during augering operations.																				
2				3	Laboratory Test Results Sample No. 3 From 2 to 3 feet																				
3	Light brown, wet, silty CLAY and fine to medium SAND (10 YR 5/3, Clay loam)		CL	4	Sieve Analysis																				
4				5	<table border="1"> <thead> <tr> <th>Sieve Size</th> <th>Passing %</th> </tr> </thead> <tbody> <tr> <td>3/8"</td> <td>100</td> </tr> <tr> <td>No. 4</td> <td>93.3</td> </tr> <tr> <td>No. 10</td> <td>74.1</td> </tr> <tr> <td>No. 20</td> <td>57.8</td> </tr> <tr> <td>No. 40</td> <td>43.2</td> </tr> <tr> <td>No. 60</td> <td>29.0</td> </tr> <tr> <td>No. 100</td> <td>19.7</td> </tr> <tr> <td>No. 200</td> <td>12.1</td> </tr> </tbody> </table>	Sieve Size	Passing %	3/8"	100	No. 4	93.3	No. 10	74.1	No. 20	57.8	No. 40	43.2	No. 60	29.0	No. 100	19.7	No. 200	12.1		
Sieve Size	Passing %																								
3/8"	100																								
No. 4	93.3																								
No. 10	74.1																								
No. 20	57.8																								
No. 40	43.2																								
No. 60	29.0																								
No. 100	19.7																								
No. 200	12.1																								
5	Light brown, wet, fine to medium SAND, with little to some silt, trace clay (10 YR 5/3, Sandy loam)		SM	6	Natural Moisture = 14.8%																				
6				7	Sample No. 4 From 3 to 4 feet Sieve Analysis																				
7	Boring terminated at 7 feet.				<table border="1"> <thead> <tr> <th>Sieve Size</th> <th>Passing %</th> </tr> </thead> <tbody> <tr> <td>1/2"</td> <td>100</td> </tr> <tr> <td>3/8"</td> <td>97.8</td> </tr> <tr> <td>No. 4</td> <td>89.5</td> </tr> <tr> <td>No. 10</td> <td>85.5</td> </tr> <tr> <td>No. 20</td> <td>82.7</td> </tr> <tr> <td>No. 40</td> <td>78.2</td> </tr> <tr> <td>No. 60</td> <td>71.5</td> </tr> <tr> <td>No. 100</td> <td>65.8</td> </tr> <tr> <td>No. 200</td> <td>60.4</td> </tr> </tbody> </table>	Sieve Size	Passing %	1/2"	100	3/8"	97.8	No. 4	89.5	No. 10	85.5	No. 20	82.7	No. 40	78.2	No. 60	71.5	No. 100	65.8	No. 200	60.4
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9																									
10																									



**HYNES  
&  
ASSOCIATES**

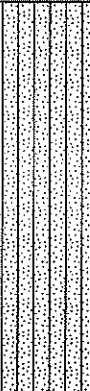
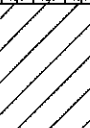
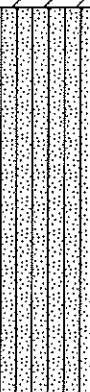
# LOG OF BORING B-17

(Page 1 of 1)

Hillcrest Associates  
1760 Flint Hill Road  
Landenberg, Pennsylvania 19350

Bridgeville Town Center  
Project No.: JDH-10/21/195

Date Completed: : April 8, 2021  
Logged By: : E. Cross  
Drilled By: : D. Csanda  
Drilling Method: : Hand Auger  
Total Depth: : 7 feet

Depth in Feet	DESCRIPTION	GRAPHIC	USCS	Sample	REMARKS
0	Light brown, wet, fine to medium SAND, with some silt, little clay (10 YR 5/3, Sandy loam)		SM	1	Scale 1" ~ 1.5 feet  Approximately 12 inches of organic bearing soil was encountered at the ground surface.  Groundwater was encountered at 6.5 feet during augering operations.
1				2	
2				3	
3	Yellowish brown, wet, silty CLAY, trace fine to medium sand (10 YR 6/6, Silty clay)		CL	4	
4	Light brown, wet, fine to medium SAND, with some silt, trace clay (10 YR 5/3, Sandy loam)		SM	5	
5				6	
6				7	
7	Boring terminated at 7 feet.				
8					
9					
10					