

Mr. Louis Boestfleisch
 City of Brookhaven
 3360 Osborne Road
 Brookhaven, Georgia 30319

March 12, 2018

**Blackburn Park Tennis Court Surface & Subgrade Evaluation
 Brookhaven, Georgia
 Geo-Hydro Project Number 180217.10**

Dear Mr. Boestfleisch:

Geo-Hydro Engineers, Inc. has completed the authorized pavement exploration services for the Blackburn Park Tennis Courts, based on the request sent via email on February 21, 2018. The evaluation was performed on March 9, 2018, and consisted of analyzing the asphalt and subsurface materials at 27 core locations over six tennis courts. The results and recommendations of our exploration are summarized below.

TABLE 1: COURT SURFACE AND BASE MATERIAL SUMMARY

Court 1

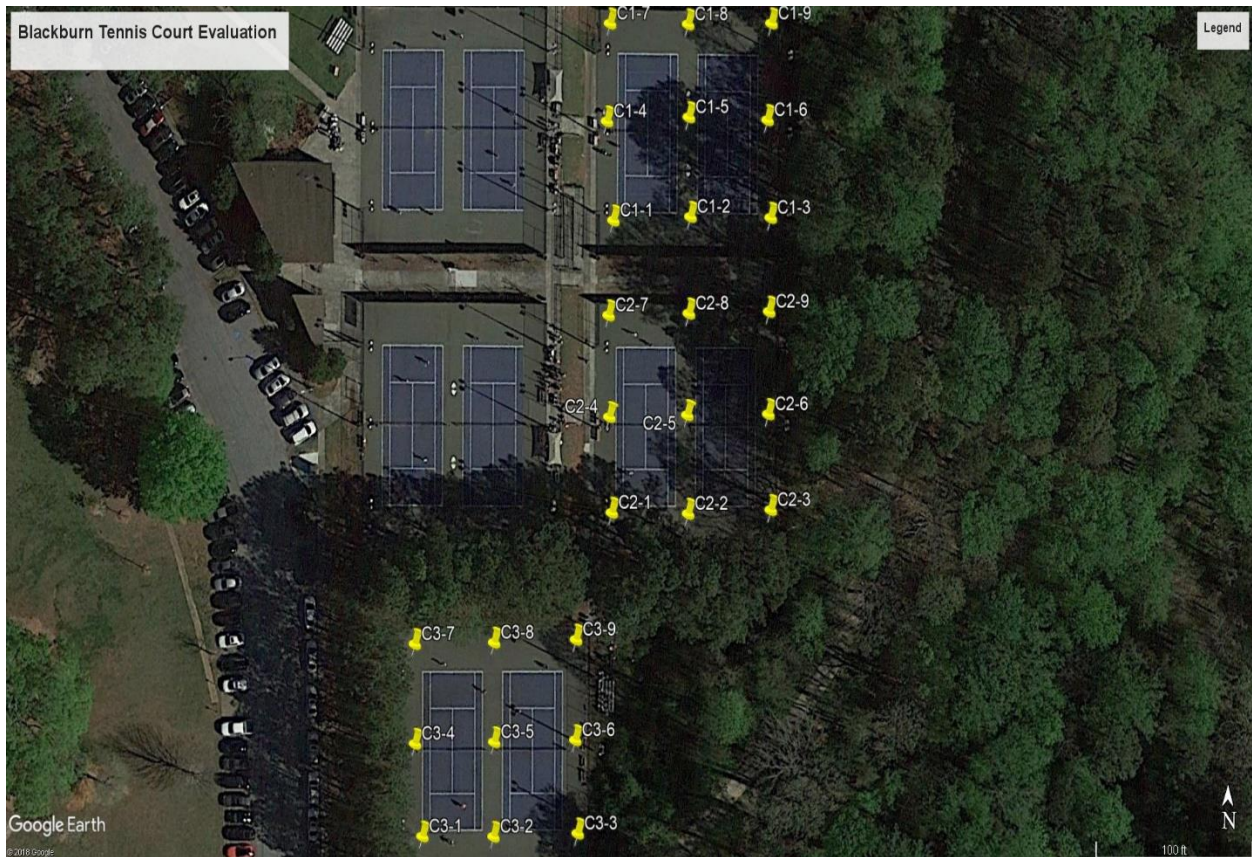
Core Number	Asphalt Thickness (inches)	Base Material & Thickness (inches)
C1-1	3.00"	5.50" GAB
3.00" Soft red/brown silty sand		
C1-2	3.50"	4.50" GAB
3.00" Soft red/brown silty sand		
C1-3	2.75"	6.25" GAB
5" Soft and saturated red/brown silty sand		
C1-4	3.00"	6.00" GAB
Medium red/brown silty sand		
C1-5	3.00"	5.50" GAB
5" Soft and saturated red/brown silty sand		
C1-6	2.75"	5.25" GAB
4" Soft and saturated red/brown silty sand		
C1-7	2.75"	5.25" GAB
Medium red/brown silty sand		
C1-8	2.875"	5.50" GAB
Medium red/brown silty sand		
C1-9	2.50"	5.00" GAB
Medium red/brown silty sand		

Court 2

Core Number	Pavement Thickness (inches)	Base Material & Thickness (inches)
C2-1	3.00"	5.50" GAB
Medium to dense red/brown silty sand		
C2-2	2.50"	6.00" GAB
Medium to dense red/brown silty sand		
C2-3	3.25"	3.00" GAB
Medium to dense red/brown silty sand		
C2-4	3.00"	5.00" GAB
Medium red/brown silty sand		
C2-5	2.00"	4.50" GAB
Medium red/brown silty sand		
C2-6	2.25"	4.00" GAB
12"-16" soft and saturated red/brown silty sand		
C2-7	2.75"	5.25" GAB
Medium to dense red/brown silty sand		
C2-8	2.50"	5.00" GAB
Medium to dense red/brown silty sand		
C2-9	2.25"	5.50" GAB
Medium to dense red/brown silty sand		

Court 3

Core Number	Pavement Thickness (inches)	Base Material & Thickness (inches)
C3-1	2.75"	5.00" GAB
Geofabric above medium red/brown silty sand		
C3-2	2.75"	5.00" GAB
Geofabric above medium red/brown silty sand		
C3-3	2.25"	5.00" GAB
Geofabric above 6" soft and saturated red/brown silty sand		
C3-4	2.75"	6.00" GAB
Geofabric above medium red/brown silty sand		
C3-5	3.00"	5.00" GAB
Geofabric above 6" soft and saturated red/brown silty sand		
C3-6	2.25"	5.00" GAB
Geofabric above 6" soft and saturated red/brown silty sand		
C3-7	2.25"	6.00" GAB
Geofabric above medium red/brown silty sand		
C3-8	2.675"	7.00" GAB
Geofabric above medium red/brown silty sand		
C3-9	3.00"	6.00" GAB
Geofabric above 6" soft and saturated red/brown silty sand		



Based on the thickness and visual observations of the existing asphalt and the consistency of the underlying graded aggregate base the following should be anticipated.

- We recommend that a proofroll be performed within each court after the demolition and clearing of the existing courts. Some localized spots of undercutting should be anticipated in courts 1 and 2.
- After removal of court three and the underlying geofabric, some undercutting should be anticipated due to the presence of soft and saturated subgrade materials. After undercutting to firm material and passing a proofroll, fill material can be placed to reach subgrade elevation.

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If you have any questions concerning this report, please feel free to contact us.

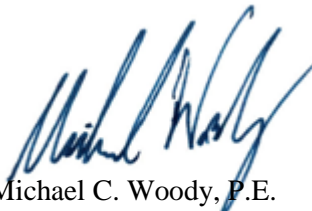
Sincerely,

GEO-HYDRO ENGINEERS, INC.



William K. Donaldson
CMET Project Manager

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WKD/MCW/180217.10 Blackburn Park Tennis Court Surface & Subgrade Evaluation