



August 16, 2012

Ms. Amy Kuras, Landscape Architect
City of Ann Arbor Parks and Recreation Services
301 E. Huron Street
Ann Arbor, Michigan 48104

**RE: Test Pit Exploration
Proposed Tennis Courts – Windemere Park
Ann Arbor, Michigan
CTI Project No. 3122040016**

Dear Ms. Kuras:

As requested, CTI and Associates, Inc. (CTI) has completed a test pit exploration within Windemere Park. The purpose of the test pit exploration was to determine the near-surface subgrade conditions at potential new locations for the proposed tennis courts.

INVESTIGATION PROCEDURES

Our field investigation consisted of excavating four test pits, designated as Test Pit TP-1 through TP-4. The test pit locations were selected by Ms. Amy Kuras, Landscape Architect with City of Ann Arbor Parks and Recreation Services and CTI. The approximate test pit locations are shown on the Test Pit Location Plan attached to this letter.

Excavation operations were performed by City of Ann Arbor Parks and Recreation Services personnel, utilizing a backhoe, under the direction of CTI on August 16 2012. During excavation, CTI observed the condition of the encountered soil and performed visual classification, and directed the test pits be extended into suitable native inorganic soils. After completion of the test pit excavations, the test pits were backfilled with the excavated soil, compacted with the backhoe, and topped with the pre-existing layer of topsoil and grass.

SUBSURFACE CONDITIONS

The table below presents the soil conditions encountered within the test pit excavations.

Table 1. Encountered Soil Conditions - Depth of Soil Strata Below Existing Grade				
Encountered Soil	TP-1	TP-2	TP-3	TP-4
Dark Brown Topsoil	0" – 8"	0" – 7"	0" – 7"	0" – 7"
Brown and Dark Gray Variegated Clay + FILL	8" – 38"	7" – 29"	7" – 27"	7" – 24"
Native Brown and Gray Variegated Clay - CL	38" – 43"	29" – 38"	27" – 38"	24" – 32"

CONCLUSIONS

The near-surface clay fill and the native clay soils observed within the test pit excavations appear consistent with the soil encountered during our geotechnical exploration (CTI Project Number 3122040016 dated May 11, 2012). Therefore, based on the results of the test pit excavations, it appears that suitable soils are present on which to support the new tennis courts, net posts and fence posts in the north-central and eastern portions of Windemere Park. All evaluations, recommendations and conclusions presented in the original geotechnical report dated May 11, 2012 should be followed.

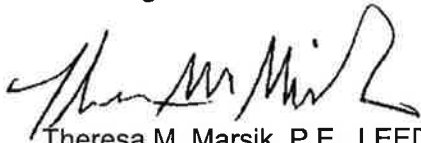
We appreciate the opportunity to provide continued service to you on this project. If you have any questions or require additional information, please contact our office.

Sincerely,

CTI and ASSOCIATES, INC.

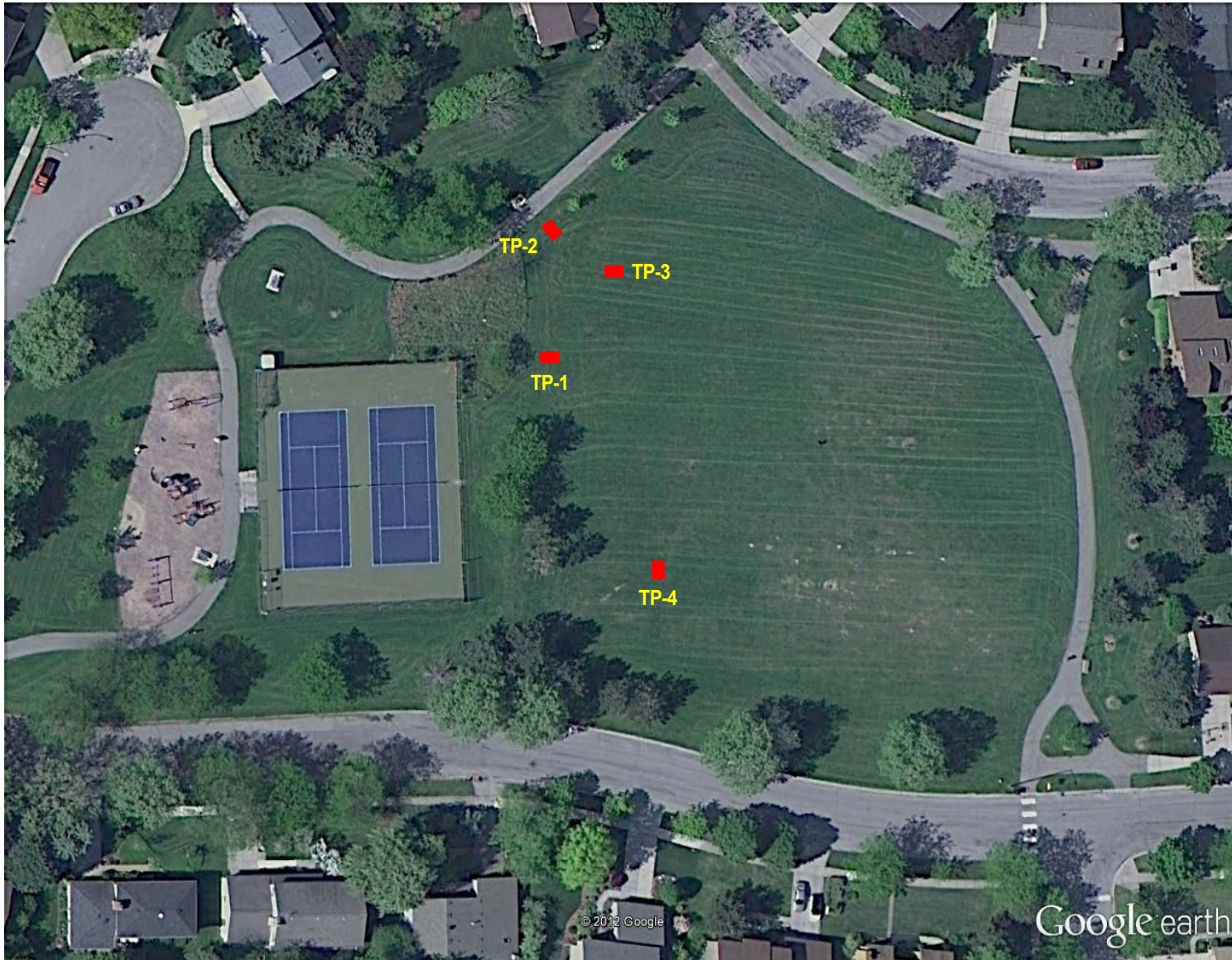


Kyle M. Kiesel
Staff Engineer



Theresa M. Marsik, P.E., LEED AP
Senior Project Engineer

Attachments - Test Pit Location Plan



NOTE: IMAGE REPRODUCED FROM GOOGLE EARTH.

LEGEND:
■ - APPROXIMATE TEST PIT LOCATION

SCALE:	As Shown
PROJECT NUMBER:	312040016
FILE NAME:	TESTPITPLAN.CAD
DATE:	8-16-12

TEST PIT LOCATION PLAN

PROPOSED TENNIS COURTS -
WINDEMERE PARK
ANN ARBOR, MICHIGAN

PLATE:
1

