PK ENVIRONMENTAL *Planning & Engineering* PO Box 1066, 205 Main Street Chatham, New Jersey 07928

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November 9, 2020

206 Ampere Parkway, LLC 5014 16th Avenue, Suite 141 Brooklyn, NY 11204

Re: Wetlands Presence/Absence Assessment Block 1303 Lots 37 & 38 (167 North Ridgewood Road) Township of South Orange Village, Essex County, NJ

Dear Henry,

As requested, PK ENVIRONMENTAL (PK) conducted an August 7, 2020, on-site inspection to identify the presence or absence of NJDEPE regulated wetlands and State Open Waters (SOW) on the residentially developed 1.6-acre property. We did not observe any on-site wetlands, but did observe a narrow, well-defined intermittent SOW channel in the northern property area, roughly parallel with Redmond Road, that leads to a small drainage pipe under North Ridgewood Road. We also reviewed the NJDEP Landscape Project GIS GeoWeb data which does not indicate the presence of wetlands or SOW, and the "Minor Subdivision Development Plan" depicting existing and proposed site conditions, prepared by David E. Fantina, PE.

Our wetlands presence/absence analyses consist of visual observations for three wetlands indices, including wetlands hydrology, hand auger soil borings, and vegetation identification, and based upon these analyses we did not observe the presence of any regulated wetlands. Field observations of hand auger **soil** borings indicate moderately well-drained, non-hydric, silt loam soils, with no visible wetland **hydrology** at or near the surface. Native and landscaped on-site **vegetation** consists of mesic upland overstory species including white pine, catalpa, white ash, Norway spruce, multiflora rose, black locust and black walnut, and the expansive well-maintained lawn area within 50-feet of the narrow SOW.

In conclusion, there is an **absence** of NJDEP regulated wetlands on the property, and the proposed grading activities depicted on the Fantina plans avoids disturbance within 50-feet of the small SOW channel. As such, there are no activities proposed within the regulatory jurisdiction of the NJDEP Division of Land Resource Protection, as related to the Freshwater Wetlands Protection Act rules (NJAC 7:7A). I trust that this wetlands regulatory evaluation assists you in planning for the proposed site improvements, and if you have any additional questions regarding the information in this letter, please contact us at any time.

Sincerely,

PK ENVIRONMENTAL

John Peel, PP

STATEMENT OF QUALIFICATIONS

JOHN PEEL, P.P. Professional Planner/Environmental Scientist

Education:

- B.A. Earth Sciences/Geology (major degree), and English Communications (minor concentration), Fairleigh Dickinson University, Madison, New Jersey.
- Master of City and Regional Planning (MCRP) with Environmental Policy & Planning concentration, **Rutgers University, New Brunswick, New Jersey.**
- Cook College Office of Continuing Professional Education (Rutgers) including numerous courses in Wetlands Management, Environmental Management, Site Remediation, Hydrology, and Ecology.

Professional Registrations & Licenses:

- Society of Wetland Scientists, 1986
- Licensed Professional Planner (PP) #5211
- Member, American Planning Association (APA & NJAPA) & Member (Urban Ecology)

Experience:

Thirty (30) years of project design and technical experience in land use planning/design, regulatory compliance, environmental science and site evaluation, and wetlands analyses and management. Mr. Peel is a licensed Professional Planner with expertise in environmental land use associated with NJDEP permitting analyses and approvals (Freshwater Wetlands, Flood Hazard Areas, Waterfront Development, Highlands, CAFRA, Enforcement), Phase 1 Environmental Site Assessment, NJDEP Preliminary Assessments (PA), Phase 2 Site Investigations, Site Remediation, environmental impact assessments (EIS), habitat identification & restoration, development alternative analyses, and comprehensive wetlands analyses including delineation, restoration and mitigation/monitoring projects for USCOE and NJDEP permitting.

SANDRA E. KEHRLEY, P.E. Professional Engineer/Hydrologist

Education:

- A.S. in Engineering Science from SUNY @ Morrisville, New York
- B.S. in Forest Engineering, a dual forestry and civil engineering program, from SUNY-Environmental Science & Forestry @ Syracuse University.
- Cook College Office of Continuing Professional Education (Rutgers) including numerous courses in wetlands, geology and hydrogeology, nonpoint source pollution, environmental site assessments, underground storage tanks, and ecology.

Professional Registrations & Licenses:

- Professional Engineer, NJ PE License #38560
- Member, National Society of Professional Engineers
- NJDEP Underground Storage Tank License #18790

Experience

Twenty-six (26) years of professional experience in environmental engineering, regulatory compliance, and land use site evaluation/design. This experience includes preparation of Phase 1 Environmental Site Assessments (ESA), NJDEP Preliminary Assessments (PA), Phase 2 Site Investigation (SI), Phase 3 Site Remediation activities, HEC-RAS studies (hydrologic/hydraulic stream analyses, flood hazard area delineation), quantifying the effects of development on stormwater quantity and quality utilizing best management practices (BMP), watershed modeling studies for nonpoint source (NPS) pollution, environmental impact statements (EIS), identification of vegetation species, age, and growing characteristics for trees, shrubs, vines, and herbaceous growth, indices for determining suitability for wildlife habitat, land preservation, comprehensive wetlands analyses including delineation, restoration, evaluation, and preparation of NJDEP permit applications.