RALPH G. MASTROMONACO, P.E., P.C.

Consulting Engineers 13 Dove Court, Croton-on-Hudson, New York 10520 Tel: (914) 271-4762 Fax: (914) 271-2820 Civil / Site / Environmental www.rgmpepc.com

Received

Project:

Hudson National Golf Club

Croton-on-Hudson, NY

FEB Ga (C)

Engineers Office

Scope:

Analysis for the Amended Site Plan / Special Permit at the Maintenance Area

Original Approval 3/2/1999 at Prickley Pear Hill Road

Date:

January 29, 2021

Summary:

The Village of Croton-on-Hudson requested that the modifications made to the Maintenance Area be submitted as a Site Plan and Special Permit amendment to formalize the expansion of the storage bins that have taken place in this area over the past 7 years. The Maintenance Area is for the storage of equipment, soil and other earthen products for use on the Course.

As can be seen in the following exhibits, the only increase in use has been the expansion of the front-open, roofed shed by extending it 70 feet, and the addition of concrete storage bins.

The modifications since the 1999 approval include; (1) the demolition and elimination of the Main Building that was approved as a caddy shack, and (2) the elimination of the septic system that was approved for the area.

History:

Activities at the Maintenance Area can be traced to a time before the Golf Club was built.

Figure: 1976 Aerial Photograph showing the pre-existing Maintenance Building



The Maintenance Area was in use through 1986, 1990 and early 1995, all <u>prior</u> to the Golf Club construction as can be seen below.

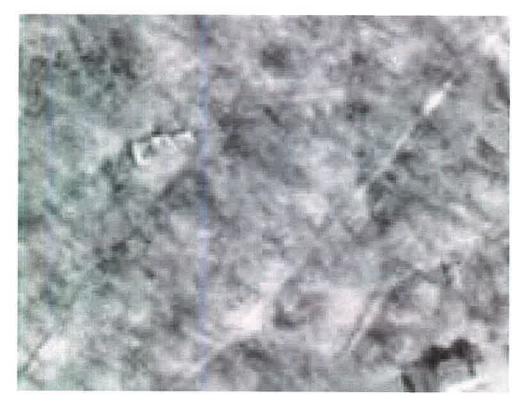
Figure: 1986 Aerial Photograph showing the Main Building and Driveway



Figure: 1990 Aerial Photograph showing Main Building and driveway

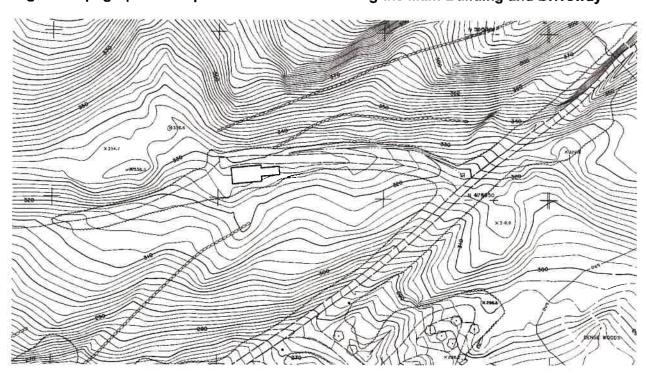


Figure: 1995 Aerial Photograph showing Main Building and driveway.



The building in the Maintenance Area is also noted on the December 1995 Aerial Topographical Mapping provided by the Golf Club.

Figure: Topographical Map December 1995 showing the Main Building and Driveway



In 1999 The Club obtained Amended <u>Site Plan Approval</u> to convert the Main Building into a 1,782 square foot caddy shack with a septic system, wood storage areas and storage building. The water service was to come from an easement at the west edge of the parcel (not shown).

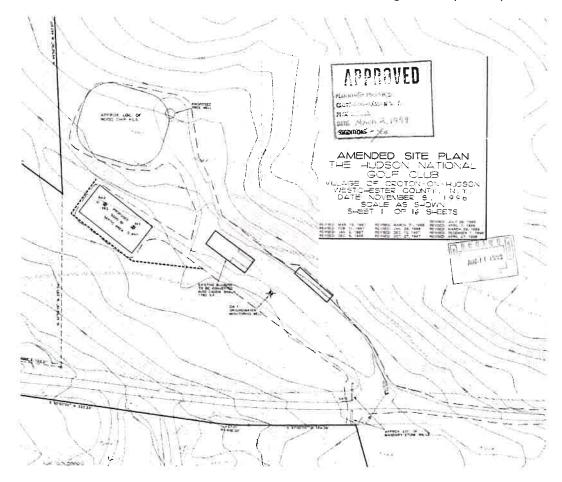


Figure: The original, covered bins and material storage - April 2004 Photograph



Ralph G. Mastromonaco, PE PC Consulting Engineers

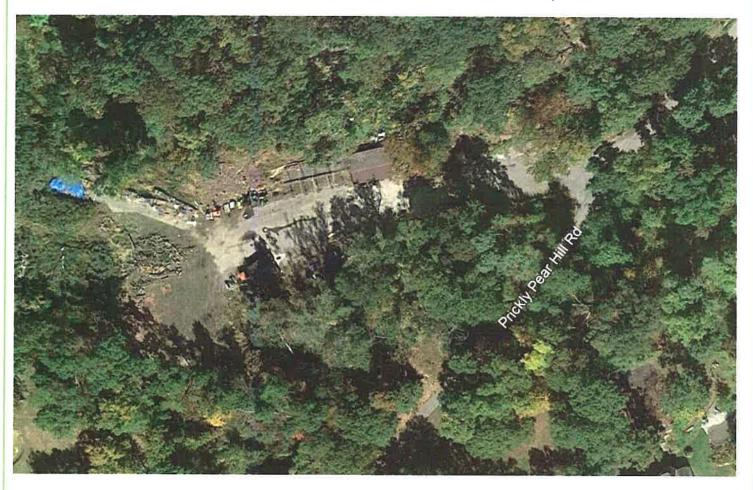
By 2007 the Main Building had been demolished and the approved storage bins remained.

Figure: 2007 Pictometry View showing the original covered bins



In 2014 the Maintenance Area bin storage was expanded as noted in the Figure below.

Figure: April 2014 Aerial Photograph showing construction of the expanded bins.



Ralph G Mastromonaco, PE PC Consulting Engineers

HIGH C.L. SEDIMEN SELF-GATE (TYP.) TERIAL STORAGE APPROVED SEPTIC SYSTEM - NOT BUILT FORMER BUILDING PRE-1995 - REMOVED ORIGINAL BINS PICKET SCREEN FENCE MATERIAL STORAGE PART OF HUDSON OFISTING 25. INVEL NATIONAL GOLF CLUB E QUII LOT 2 137,645 s.f. (3.15 ac.) HAN SUBJECT TO ACCESS PAD 55'50'00" L EASEMENT OVER DRIVEWAY IN FAVOR OF LOT 1 PROPOSED DIVIDING LINE HAYBALLS 9 47'40'00" W 19.73" RD HILL PRICKLEY PEAR LIE 0" W 333.55" S 47'40'00" W 159.29 APPROX. LOC. OF MASONRY STONE W L=57.01' R=400.00'

Figure: Proposed Site Plan with the Expanded Storage Building and New Material Bins:

Conclusion:

The proposed Site Plan, with the expanded storage shed, and concrete material storage bins, represent generally, a reduction in the intensity of use due to the elimination of the 1,782 square foot caddy shack building with its attendant septic system.

Submitted by:

