

May 10, 2011

Mr. David Corrigan
NYSDOT – Permits
11 Quarry Street
Kingston, New York 12401

**SUBJECT: SOUTH PEAK SUBDIVISION, ROUTE 212, TOWN OF SAUGERTIES
DRAINAGE UPSTREAM OF NYS ROUTE 212, EAST OF OSNAS ROAD**

Dear Mr. Corrigan:

Thank you for your recent time on the telephone discussing the South Peak Subdivision. As discussed, this letter provides a summary of the South Peak Subdivision work located upstream of NYS Route 212, east of Osnas Road.

The South Peak Subdivision is 77.79 acres and includes 22 individual single family residential lots. An internal road is proposed with access connection to NYS State 212 and Cottontail Road (a Town Road).

As part of the South Peak Subdivision Project, the Town of Saugerties has required off-site drainage improvements. The Developer has agreed to install drainage improvements on Osnas Road and also on Cottontail Road (both Town Roads). The existing drainage facilities on Osnas Road and Cottontail Road are undersized, so both areas experience localized ponding. For Osnas Road, the Town selected the Closed Drainage System Alternative.

The drainage improvements for Osnas Road will include installation of two 29 inch by 42 inch Hanson “Ultra-Flo” coated arch pipes through drainage easement from west of the Osnas Road residential lots to and across Osnas Road to a point adjacent to the Red Onion parking lot; then two 36 inch coated polyethylene storm sewer pipe along the back (east) of the residential lots adjacent to the Red Onion parking lot. As part of the storm sewer, an improved rip rap apron will be provided at the upstream end of the new pipe, four new drainage structures will be provided, and existing storm pipe in front of the Red Onion and beneath Route 212 will be cleaned. The existing drainage structures are in poor condition.

The Town will obtain the required storm sewer easements. The Developer will install the new storm sewer and drainage structures. The Town will clean the existing storm sewer pipe in front of the Red Onion and beneath Route 212.

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A full Stormwater Pollution Prevention Plan Report and design (SWPPP) has been prepared. Back in 2007, the SWPPP received signoff from the Saugerties Town Engineer Joseph Mihm, P.E. from Brinnier and Larios. Those prior SWPPP documents were also submitted to NYSDOT, back in 2007. The project received sign off from NYSDOT in a letter dated August 16, 2007.

The design documents from 2007 included a separate Drainage Analysis report for the Osnas Road and Cottontail Road off-site drainage improvements dated August 2007. The report concludes that the existing Route 212 culvert can handle the 25 year, 24 hour storm with the Osnas Road drainage improvements.

It is not certain when the Developer will begin construction, as it depends on real estate market conditions. However, we understand that before construction proceeds in the State Road, the Contractor will be required to obtain a Highway Work Permit from NYSDOT.

The South Peak Subdivision received Conditional Final Approval from the Town of Saugerties Planning Board in 2007, and the approval has been subsequently extended several times. The Developer is currently working diligently to resolve outstanding conditions of the approval, is making good progress, and will likely complete resolving the conditions soon.

In 2010, the stormwater management design, internal to the South Peak site, was revised to incorporate green practices, pursuant to the 2010 updates in the NYSDEC Stormwater Design Manual. The proposed off-site drainage improvements, which had previously been signed off on by the Town Engineer, remain unchanged. The revised SWPPP has also received sign off from the Town Engineer. (Copy attached.)

The Town Engineer and the Town Highway Superintendent have recently requested that a letter be obtained from NYSDOT acknowledging the Osnas Road proposed drainage improvements. Although this request is not a specifically stated Condition of the Planning Board Approval, we would like to receive written acknowledgement from NYSDOT as requested by the Town.

As stated in the SWPPP Report, Design Point #3 is located on the northeasterly side of the South Peak Subdivision parcel, and includes runoff from an unnamed tributary of the Washburn Creek. Runoff flows generally southeasterly toward the unnamed stream and then into a small wetland area near the Route 212 entrance to the site. The South Peak Subdivision includes a series of ponds which will attenuate flow from the developed site. At Design Point #3, the post-development peak runoff is less than the pre-development peak runoff for the 1 year, the 10 year, and the 100 year design storms.

The majority of the watershed which contributes to the Osnas Lane drainage problem is not part of the South Peak Subdivision property. The proposed watershed flow will not be increased, but the time to peak will be reduced as the proposed drainage improvements will improve the efficiency of drainage to the existing 36 inch diameter storm culvert under NYS Route 212 in front of the Red Onion Restaurant. The proposed drainage improvements will replace existing drainage structures which are in poor condition, and will clean drainage pipes which are greatly silted in.

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As requested, I am sending you current, project documents for your use and file. The enclosures include:

- Sign off letter from NYSDOT dated August 16, 2008.
- Sign off letter from DCDPW Highway dated September 8, 2010.
- New sign off letter from Town of Saugerties Engineer Brinnier and Larios dated March 24, 2011 which was preceded by email sign off on November 16, 2010.
- The SWPPP Report, revision dated August 2, 2010.
- The Drainage Analysis for Osnas and Cottontail, dated August 2007. The Town has chosen the Closed Drainage Alternative.
- 19 Sheet plan set revision dated 10/22/10. Sheet GD-3 (5 of 19) shows the layout for the proposed Osnas Road improvements which discharge to NYS Route 212.

Thank you again for your time on the telephone, and your time reviewing the submitted materials. We look forward to receiving NYSDOT acknowledgement of the Osnas Road proposed drainage improvements, as requested by the Town of Saugerties. As documented in the enclosures, this project has previously been significantly reviewed with successful result; therefore, we request that it not be subject to a new round of comments.

Questions related to this project may be directed to me.

Sincerely,



Nancy A. Clark, P.E.
Senior Project Engineer
clarkn@erdmananthony.com

ERDMAN ANTHONY

NAC

enc: a/s

c: William Kugelman, Developer Representative – w/o encl except copy of
Drainage Analysis for Osnas and Cottontail, dated August 2007
Joseph Mihm, P.E., Brinnier and Larios, P.C., Town Engineer – w/o encl