

T.G. MILLER, P.C.

ENGINEERS AND SURVEYORS

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December 2, 2020

C.J. Randall, Town Planning Consultant
Town of Lansing
29 Auburn Road
Lansing, NY 14882

Re: Britton Cluster Development, Storm Water Pollution Prevention Plan Review

Dear C.J.,

We received a Storm Water Pollution Prevention Plan (SWPPP) and drawings ST-1 to ST-11 dated August 5, 2020 prepared by Timothy C. Buhl, PE. and have summarized our comments below.

Stormwater Management

1. Provide signed Owner and SWPPP preparer certification forms.
2. Move the pond outlet control structure and spillway to pond 1 (north) now that N. Triphammer ditch is said to be flowing north.
3. Provide topographic survey with one-foot contours at the proposed road entrance and area of the proposed ponds to ensure proposed grades, ditch/pipe inverts and pipe cover can be achieved. Current grading shows N. Triphammer ditch flowing south.
4. Coordinate with Town highway superintendent for adequate access to maintain ponds. Consider increasing the width of the berms from 4'-6' to 8'-10' min.
5. Delete or revise note on sheet ST-9 for emergency overflow elevation 911.00
6. Pond appears to be spilling over the emergency spill 965.75 in the 100-yr storm but Hydrocad does not have the emergency overflow modeled. Revise model accordingly and verify flows rates are reduced for the 100-yr storm.
7. Show approximate limits of disturbance line on sheet ST-1 and revise "Total Disturbed Area" note on ST-1 and SWPPP to match. Provide waiver request if disturbance will be great than 5 acres at any one time or provide a note on the plan if disturbance is not to exceed 5 acres at any one time.
8. Continue to coordinate with Tompkins County Highway Department for drainage and entrance improvements within N. Triphammer Road ROW. Provide a copy of all permits required for the project.

David A. Herrick, P.E.
Frank L Santelli, P.E.
Andrew J. Sciarabba, P.E.

Dondi M. Harner, P.E.,
LEED A.P.

Lee Dresser, L.S.
Darrin A. Brock, L.S.

9. Include note on the plans requiring a pond volume certification to be completed prior to dedication to verify as-designed volumes and elevations are achieved.

Road Design

1. Provide road signage and striping plan and sign detail with breakaway base.
2. Update Typical Roadway Cross Section detail on sheet ST-2 to conform with Town's latest detail for asphalt concrete pavement surface. Oil and stone surface treatment is not permitted.

Water System

1. Provide Engineer's Report for municipal watermain extension to accompany DOH Form 348.
2. Provide boring detail with steel casing pipe, casing spacers, rubber end seals, etc. Label boring and receiving pits on the plan with dimensions. Add note to the plans that existing main is to be exposed prior to the boring to verify existing watermain elevations.
3. Revise watermain location and notes on sheet ST-5 to be consistent with proposed conditions.
4. Provide watermain sampling tap locations, sequencing, disinfection and testing notes.
5. Provide cut-in tee with three-way valve at the connection to the existing public watermain.
6. Provide topographic survey with one-foot contours at the proposed water main across N. Triphammer Road. Show all existing utilities including overhead and underground. Consider locating nearest fire hydrant and water vales.

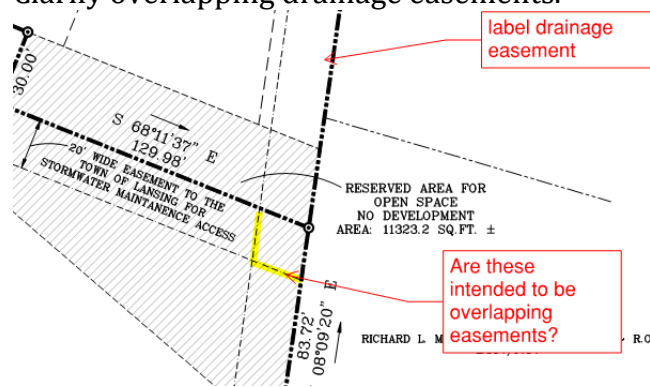
Drainage District Report

1. Report to be finalized after final plat approval.
2. Include reference to all tax parcel numbers once issued and include estimated district fee for each parcel.
3. Remove reference to individual lot stormwater practices from the drainage district. These practices are to be maintain by the land owner per separate agreement.
4. Revise district map to clearly show easements, permanent practices to be maintained, district boundary and tax parcel numbers.

Final Plat

1. Adjust lots lines on all plans to match the final plat.

2. Clarify overlapping drainage easements.



If you have any questions please feel free to contact me or we can arrange a time to meet to review in more detail.

Sincerely,

Donald Harner

Donald Harner, P.E.

Enclosure: Highway Specifications

Cc: G. Caward, Jr., Chair
E. LaVigne, Supervisor
L. Day, Code Enforcement
C. Purcell, Highway Superintendent
G. Krogh, Esq.
D. Herrick, Town Engineer