

June 23, 2021

Town of Lloyd Planning Board
12 Church Street
Highland, NY 12528

Attn: Mr. Scott McCarthy, Chairman

**Re: Stewart's Shop 9W
SWPPP Review Comments
SBL 96.9-1-33.100, 96.9-1-32.200 & 96.9-1-32.100
CPL # 15106.00.06**

Dear Chairman McCarthy and Planning Board Members:

The materials listed at the end of this letter were provided by the applicant for discussion with the Planning Board at the June 17, 2021 workshop meeting. The project proposes the construction of a Stewart's Shop Gas Station on a combination of three (3) existing properties in the HBD zone. The following comments are offered based on our review of the SWPPP.

Comments

1. Section 1.0 paragraph 1 of the SWPPP states a different address than the project site.
2. Section 4.1 paragraph 3 of the SWPPP, the discharge point for DA2 is stated as DP1. Please revise.
3. MH3 invert pipe sizes on the plan do not match the HydroCAD model. This structure appears to be a splitter manhole. Please provide a construction detail.
4. MH4 is showing a 12" and 24" pipes on the plans but only a 24" pipe in the HydroCAD Model.
5. Bio retention pond in the HydroCAD Model has a top elevation of storage of 358.5' but the broad crested weir has a crest elevation of 358.3'. Please revise as appropriate.
6. Bio retention pond in the HydroCAD model is showing exfiltration. Exfiltration is not permitted in "hot spot" areas unless additional treatment requirements are satisfied. The SWPPP should be revised to indicate how the NYSDEC Stormwater Design requirements for "hot spot" areas will be satisfied.
7. Please provide a redevelopment map showing areas of existing



- impervious to remain impervious and new proposed impervious areas.
8. Pond P2 of the HydroCAD model has a 36.0' broad crested weir. Please verify the length indicated matches the design drawings.
 9. Please clarify if MH5 is a doghouse manhole. If so, label as such on the plans and provide a construction detail.
 10. OCS 2 is showing a 24" invert that is not in the HydroCAD model. Also, it is not clear where the 12" invert is coming from. Please clarify.
 11. The rim elevation of OCS 1 will result backwater effects in the stormwater collection system. This is likely to result in sedimentation and loss of capacity in the collection system. Adjustment of the rim elevation to avoid this condition should be considered.
 12. Building roof leaders must be added to the plan set and shown to tie-in to the drainage collection system.
 13. Site grading should be revised to direct all runoff from DA3 to the bioretention basin as indicated by the HydroCAD model.
 14. The existing well indicated in the bio retention area must be abandoned in accordance with UCHD requirements.
 15. The address provided on page 2 of the NOI does not match the project address provided on the cover of the SWPPP.
 16. Question 37 of the NOI does not match the figures provided in the SWPPP document. Please clarify.
 17. Please provide a standalone Erosion and Sediment Control plan.
 18. Please provide details of the Outlet Control Structures, each stormwater management practice, and all erosion controls proposed.

This concludes my review of the current submission. Additional comments may be generated based on future submissions. If there are any questions, please contact me at (518) 915-7448.

Very truly yours,
CPL

Andrew Learn, PE
Associate

Cc: D. Barton
P. VanCott
T. Fronte



Materials Reviewed from April 28, 2021 Submission

- SWPPP for Stewart's Shops prepared by Scott E. Kitchner, PE dated May 5, 2021
- Post Construction Maintenance Manual for Stewart's Shops prepared by Scott E. Kitchner, PE dated May 5, 2021
- Grading Plan and Stormwater Management Plan prepared by Stewart's Shops dated 9/4/19