

September 19, 2019

Mr. Doug Finch, Town Manager
Town of Canandaigua
5440 Routes 5 & 20 West
Canandaigua, New York 14424

RE: SARAH FRANK – 2281 STATE ROUTE 332
SITE PLAN REVIEW
TAX MAP NO. 56.00-2-30.100
CPN NO. 19-042
MRB PROJECT NO.: 0300.12001.000 PHASE 170

Dear Mr. Finch:

MRB has completed a review of the submitted Site Plan regarding the above referenced project, dated May 28, 2019, last revised July 30, 2019, prepared by McCord Landscape Architecture, PLLC. We offer the following comments for the Planning Board's consideration. A brief written response to each comment should be provided by the design engineer.

1. Please note that according to the NYSDEC EAF Mapper, the site is located in an archeologically sensitive area. As such, coordination with SHPO and obtaining a "no impact" letter will be required.
2. All areas of steep slope (1:3 v:h or steeper) are to be noted on the plans. All steep slope areas are to be provided with erosion control blanket and steep slope seed mix. The extent of these treatment areas are to be shown on the plans.
3. The Town of Canandaigua Standard Notes (attached) should be added to the plans.
4. A temporary culvert should be provided for the temporary construction entrance and should be labeled with size, material, length, slope, and inverts.
5. Please note that silt fence should not cross into any areas of concentrated flow such as swales or spillways. The plans should be revised accordingly.
6. The silt fence along the east side of the site should be extended further to the south.
7. Erosion and sediment controls for swales should be in the form of check dams spaced every 2' of vertical elevation change, and/or in the form of a temporary sediment trap.

8. The plans currently show a temporary sediment trap ovetop an area labeled as bioretention. If both practices are proposed, please clarify this and also provide a bioretention area detail. Underdrains will be required unless soil testing is performed and demonstrates that the natural soils have an infiltration rate of 0.5"/hr or greater. Soil exploration will be required to ensure that the 2' minimum separation between groundwater and the bottom of the practice is achievable.
9. The depth of the temporary sediment trap should be included in the label.
10. The 8' wide broad-crested weir should have a stone cover unless hydrology calculations/modeling are provided which demonstrate that the currently proposed conditions would not achieve erosive velocities.
11. The acreage of disturbance should be noted on the plans.
12. Please note that if the acreage of disturbance meets or exceeds 1 acre, the project will be required to obtain coverage under the most current NYS SPDES General Permit for Stormwater Discharges from Construction Activities, GP-0-15-002. As the project does not result in the creation of new, permanent impervious surfaces, the project would only require an Erosion and Sediment Control SWPPP.
13. The seeding / ground cover notes should be revised to show fertilizer mixes without phosphorus as required by the Town of Canandaigua.
14. The construction sequence should include construction of the bioretention area. Construction of the bioretention area should only occur once all contributing drainage areas have been permanently stabilized.
15. The following notes regarding phosphorous use should be added to the plans:
 - No Phosphorous shall be used at planting time unless soil testing has been completed and tested by a Horticultural Testing Lab and the soil tests specifically indicate a phosphorous deficiency that is harmful, or will prevent new lawns and plantings from establishing properly.
 - If soil tests indicate a phosphorous deficiency that will impact plant and lawn establishment, phosphorous shall be applied at the minimum recommended level prescribed in the soil test following all NYS DEC requirements.

If you have any questions, comments or concerns regarding any of the above comments please call me at our office.

Sincerely,



Lance S. Brabant, CPESC
Director of Planning & Environmental Services

Town of Canandaigua

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Established 1789

APPENDIX: **G - 3.0**

DATE: 2018

SCALE: N.T.S.

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STANDARD NOTES

1. ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE TOWN OF CANANDAIGUA AND THE APPROPRIATE WATER/SEWER AGENCIES, UNLESS OTHERWISE NOTED.
2. A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO CONFORM WITH THE LATEST NYSDEC GENERAL PERMIT AND TO THE TOWN REQUIREMENTS REGARDING MAINTENANCE AND CONTROL OF STORM WATER QUALITY AND QUANTITY.
3. ALL SWPPP'S ARE REQUIRED TO BE REVIEWED AND APPROVED BY THE TOWN CEO AND TOWN ENGINEER. THE TOWN MS4 SWPPP ACCEPTANCE FORM IS TO BE SIGNED AND INSERTED INTO THE PROJECT SWPPP PRIOR TO CONSTRUCTION.
4. THE OWNER IS RESPONSIBLE FOR IMPLEMENTING THE REQUIRED SWPPP, INCLUDING FILING OF THE "NOTICE OF INTENT" (NOI). A COPY OF THE NYSDEC ACKNOWLEDGEMENT LETTER IS TO BE PROVIDED TO THE TOWN DEVELOPMENT OFFICE AND TOWN ENGINEER PRIOR TO CONSTRUCTION.
5. A COPY OF THE PROJECT SWPPP IS TO BE PROVIDED TO THE TOWN DEVELOPMENT OFFICE, TOWN ENGINEER, AND A COPY IS TO REMAIN ONSITE DURING CONSTRUCTION AT ALL TIMES IN A MARKED AND ACCESSIBLE LOCATION.
6. ANY MODIFICATIONS OR DEVIATIONS FROM THE APPROVED PLANS, CONSTRUCTION SEQUENCE, AND/OR SWPPP, INCLUDING IMPLEMENTATION OF EROSION CONTROL MEASURES AND STORM WATER MANAGEMENT AREAS, SHALL BE APPROVED BY THE TOWN OF CANANDAIGUA AND DOCUMENTED WITHIN THE PROJECT SWPPP.
7. THE OWNER IS REQUIRED TO PROVIDE DAILY ONSITE OBSERVATION BY A LICENSE PROFESSIONAL OR A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC). ALL SWPPP INSPECTIONS ARE TO BE IN A FORM ACCEPTABLE BY THE TOWN OF CANANDAIGUA AND FORWARDED TO OWNER, THE TOWN CEO, TOWN ENGINEER, AND A COPY PLACED WITHIN THE ONSITE PROJECT SWPPP.
8. THE OWNER IS RESPONSIBLE FOR PROVIDING ONSITE SWPPP INSPECTIONS BY A LICENSE PROFESSIONAL OR A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC) DURING CONSTRUCTION ONCE PER WEEK (EVERY 7 DAYS) IF UNDER 5-ACRES OF DISTURBANCE AND TWICE PER WEEK (EVERY 7 DAYS) IF 5-ACRES OR MORE WITH RECEIPT OF A 5-ACRE WAIVER FROM THE TOWN OF CANANDAIGUA (MS4).
9. DEVELOPMENT IN THE CANANDAIGUA LAKE WATERSHED DISTURBING MORE THAN 5-ACRES AT ONE TIME, IS REQUIRED TO COORDINATE THE REGULAR SWPPP OBSERVATIONS REQUIRED BY THE LATEST GENERAL PERMIT WITH THE CANANDAIGUA LAKE WATERSHED INSPECTOR, THE WATERSHED PROGRAM MANAGER AND THE TOWN CODE ENFORCEMENT OFFICER.
10. CONSTRUCTION SEQUENCE - ALL PLANS ARE TO BE PROVIDED WITH A DETAILED CONSTRUCTION SEQUENCE. THE CONTRACTOR SHALL COMPLETE CONSTRUCTION AND INSTALL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE APPROVED CONSTRUCTION SEQUENCE UNLESS SPECIFIED OTHERWISE ON THE APPROVED DESIGN PLANS OR AT THE PRE -CONSTRUCTION MEETING.
11. DUST SHALL BE CONTROLLED DURING CONSTRUCTION BY THE CONTRACTOR TO MINIMIZE EFFECT ON THE ADJACENT PROPERTIES. THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS NEEDED AND/OR AS DIRECTED BY THE TOWN OF CANANDAIGUA.
12. THE OWNER'S CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT, MAINTENANCE, CLEANING, REPAIR AND REPLACEMENT OF EROSION CONTROL MEASURES DURING SITE CONSTRUCTION AND UNTIL THE SITE IS FULLY STABILIZED, INSPECTED BY THE TOWN OF CANANDAIGUA, AND ISSUANCE OF THE NOTICE OF TERMINATION (NOT) HAS BEEN PROVIDED TO NYSDEC.
14. ROOF LEADERS SHOULD BE CONNECTED TO STORM SEWERS WHERE POSSIBLE, UNLESS OTHERWISE SPECIFIED ON THE APPROVED PLANS AND WITHIN THE PROJECT SWPPP.
15. NO SITE PREPARATION SHALL COMMENCE UNTIL A VISUAL INSPECTION BY THE TOWN OF CANANDAIGUA, CONFIRMS THE INSTALLATION OF PERIMETER SEDIMENT CONTROLS AND THE STABILIZED CONSTRUCTION ENTRANCE.
16. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF VEGETATION, THE STORM WATER MANAGEMENT FACILITIES SHALL BE CLEANED OF ACCUMULATED SILT.

STANDARD NOTES (CONTINUED)

17. ALL SITE STABILIZATION IS TO BE IN ACCORDANCE WITH THE LATEST VERSIONS OF THE NYSDEC STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL AND THE NYSDEC GENERAL PERMIT REQUIREMENTS (WHERE APPLICABLE).

18. ADDITIONAL TEMPORARY AND PERMANENT SEEDING AND SITE STABILIZATION REQUIREMENTS:

A. ALL DISTURBED AREAS INCLUDING TOPSOIL STOCKPILES AND STORMWATER MANAGEMENT FACILITIES ARE TO BE STABILIZED WITHIN SEVEN (7) DAYS AFTER COMPLETION.

B. TEMPORARY SEEDING OF DISTURBED AREAS SHALL BE PROVIDED AS FOLLOWS:

- THE SURFACE TWO INCHES OF SOIL SHOULD BE LOOSENEED BY DISKING, RAKING, OR BACK-BLADING WITH A BULLDOZER.
- FERTILIZE WITH 300 POUNDS PER ACRE (OR 7 POUNDS PER 1,000 SQUARE FEET).
- NO PHOSPHORUS SHALL BE USED UNLESS SOIL TESTING HAS BEEN COMPLETED AND TESTED BY HORTICULTURAL TESTING LAB AND THE SOIL TESTS SPECIFICALLY INDICATE A PHOSPHORUS DEFICIENCY THAT IS HARMFUL, OR WILL PREVENT NEW LAWNS AND PLANTINGS FROM ESTABLISHING PROPERLY.
- IF SOIL TESTS INDICATE A PHOSPHORUS DEFICIENCY THAT WILL IMPACT PLANT AND LAWN ESTABLISHMENT, PHOSPHORUS SHALL BE APPLIED AT THE MINIMUM RECOMMENDED LEVEL PRESCRIBED IN THE SOIL TEST FOLLOWING ALL NYSDEC REGULATIONS.
- THE FOLLOWING SEED MIX SHALL BE USED:

| <u>SPRING/SUMMER/EARLY FALL</u> | <u>LBS/ACRE</u> | <u>LBS/1,000 SQ. ACRE</u> |
|---------------------------------|-----------------|---------------------------|
| ANNUAL RYE GRASS | 30 | 0.7 |
| PERENNIAL RYEGRASS | 30 | 0.7 |
| <u>LATE FALL/EARLY WINTER</u> | | |
| CEREAL RYE | 100 | 2.5 |

- SEED SHOULD HAVE A GERMINATION RATE OF AT LEAST 85 PERCENT AND MINIMAL INERT MATERIAL.

C. DISTURBED AREAS SHALL BE STABILIZED USING PERMANENT LAWN SEEDING MIX UPON COMPLETION OF GRADING AND CONSTRUCTION:

| | <u>LBS/ACRE</u> | <u>LBS/1,000 SQ. ACRE</u> |
|--|-----------------|---------------------------|
| BIRDSFOOT TREFOIL OR COMMON WHITE CLOVER | 8 OR 8 | 0.20 OR 0.20 |
| TALL FESCUE | 20 | 0.45 |
| REDFEET OR RYEGRASS (PERENNIAL) | 2 OR 5 | 0.05 OR 0.10 |

- SEEDING RATE: 6.0 POUNDS PER 1,000 SQUARE FEET
- MULCH: STRAW OR WOOD FIBER MULCH USED WITH HYRDO SEEDING METHOD AT TWO TONS PER ACRE WITH TACKIFIER.
- FOR FALL OR EARLY WINTER, SEED WITH CERTIFIED "AROOSTOCK" WINTER RYE (CEREAL RYE) AT 100 POUNDS PER ACRE.
- PERMANENT STABILIZATION FOR STEEP SLOPES GREATER THAN 3:1 SHALL INCLUDE JUTE MESH BLANKET AND CROWN VETCH SEED WITH PERENNIAL RYEGRASS.

19. THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND RIGHT-OF-WAY MONUMENTS IN THE AREAS OF CONSTRUCTION.

20. EXISTING UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM FIELD LOCATIONS AND/OR UTILITY COMPANY RECORD PLANS. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL CALL THE DIG SAFELY NEW YORK (UFPO) HOTLINE AT 1-800-962-7962 FOR STAKEOUT OF EXISTING UTILITIES. THE CONTRACTOR SHALL DETERMINE EXACT LOCATION AND ELEVATION OF UNDERGROUND UTILITIES BEFORE COMMENCING CONSTRUCTION. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS TO LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS AS REQUIRED TO MEET THE EXISTING CONDITIONS.

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STANDARD NOTES (CONTINUED)

21. THE HOMEBUILDER WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING INDIVIDUAL LOT EROSION & SEDIMENT CONTROL MEASURES, DURING HOUSE CONSTRUCTION. MEASURES TO BE MAINTAINED UNTIL FINAL LOT LAWN GRADING AND SITE IS FULLY STABILIZED AND INSPECTED BY THE TOWN OF CANANDAIGUA.
22. ANY ADDITIONAL EROSION OR SEDIMENT CONTROL MEASURES DEEMED NECESSARY BY THE TOWN OF CANANDAIGUA OR A REPRESENTATIVE THEREOF SHALL BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.
23. SEDIMENT CONTROL MEASURES ARE TO BE ESTABLISHED PRIOR TO COMMENCING EARTHWORK. SEDIMENT CONTROL MEASURES ARE TO BE MAINTAINED BY THE CONTRACTOR UNTIL UPSTREAM GROUND COVER HAS BEEN ESTABLISHED AND REMOVAL IS APPROVED BY THE TOWN OF CANANDAIGUA.
24. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, REPLACING AND SUBSEQUENTLY REMOVING TEMPORARY EROSION & SEDIMENT CONTROL DEVICES.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ADJOINING PROPERTIES, ROADWAYS, DRAINAGE WAYS AND SINKS OF SILT ACCUMULATION AS NEEDED AND AS DETERMINED/REQUESTED BY THE TOWN OF CANANDAIGUA.
26. ANY FINAL GRADE DEVIATIONS OF HOUSE PAD ELEVATIONS MORE THAN 12 INCHES SHALL BE APPROVED BY THE PLANNING BOARD.

EXAMPLE CONSTRUCTION SEQUENCE

ALL PLANS ARE TO BE PROVIDED WITH A DETAILED CONSTRUCTION SEQUENCE. THE CONTRACTOR SHALL COMPLETE CONSTRUCTION AND INSTALL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE APPROVED CONSTRUCTION SEQUENCE UNLESS SPECIFIED OTHERWISE ON THE APPROVED DESIGN PLANS OR AT THE PRE -CONSTRUCTION MEETING. AN EXAMPLE OF A CONSTRUCTION SEQUENCE IS THE FOLLOWING:

- INSTALL PERIMETER SEDIMENT CONTROLS, (I.E. EROSION FENCING).
- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- PROTECT VEGETATION TO REMAIN.
- CLEAR GRUB AND CONSTRUCT DIVERSIONARY SWALES AND SEDIMENT BASINS.
- COMPLETE CLEARING AND GRUBBING OPERATION.
- PLACE EROSION CONTROL MEASURES AROUND TOPSOIL STOCKPILES AND STRIP TOPSOIL LOCATIONS.
- CONSTRUCT SWALES AND SILTATION DEVICES AS EARTHWORK OPERATIONS PROGRESS.
- MAINTAIN EROSION CONTROL MEASURES AND PLACE ADDITIONAL MEASURES AS EARTHWORK AND UNDERGROUND UTILITIES ARE CONSTRUCTED.
- RESTORE AREAS AS DEFINED BY CONTRACT DOCUMENTS.
- REMOVE EROSION CONTROL MEASURES AS AREAS ARE REESTABLISHED WITH GROUND COVER.
- IF SITE PREPARATIONS OCCUR BETWEEN SEPTEMBER 1 AND MARCH 31, ADDITIONAL EROSION CONTROLS MUST BE TAKEN INCLUDING REDUCING THE SIZE OF DISTURBED AREAS AND PLACING HEAVY STRAW MULCH WHERE PRACTICAL.