

September 4, 2019

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

**RE: ROBYN RELPH – 4966 STATIONHOUSE DRIVE  
SITE PLAN REVIEW  
TAX MAP NO. 98.09-1-6.000  
CPN No. 19-063  
MRB PROJECT No.: 0300.12001.000 PHASE 174**

Dear Mr. Finch:

MRB has completed a review of the submitted Site Plan regarding the above referenced project, dated August 9, 2019, prepared by Venezia Associates. 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. The Planning Board will need to discuss how this application complies with the Town's Shoreline Development Guidelines. The design engineer provided written notice to the Town Planning Board describing how the proposed application complies.
2. The horizontal datum is to be noted on the plans.
3. The average water elevation, mean high water elevation, and flood zone boundaries are to be labeled on the plan with elevations.
4. A temporary easement/agreement may be required if fencing extends on to adjacent properties.
5. The liber and page, and grantee of the sanitary sewer easement should be noted on the plans.
6. All existing and proposed utilities, such as the existing watermain, should be clearly identified on the plans and labeled with size, material, thickness ratio (DR/SDR), and slope and inverts (if applicable).
7. The plans should show the connection of the existing water service to the new building. The Town of Canandaigua Water Service Detail should be added to the plans.
8. The proposed sanitary lateral and rain garden discharge pipe appear to cross within close vertical proximity. The plans should note the minimum separation

between these pipes and any special bedding/cover to support/protect these pipes.

9. Based on existing contours and the proposed end section elevation of the rain garden discharge pipe, the end section appears to be too low. The discharge point should be moved further east. Also end section protection (i.e. riprap) should be provided for all storm pipe end sections.
10. The construction sequence should be updated to identify when site demolition and utility removals/disconnects will occur. The sequence should also identify that the rain garden is to not be constructed until all contributing drainage areas have been permanently stabilized, and the area is to be delineated/protected by construction fencing to prevent possible compaction from vehicle traffic. Once constructed, inlet protection is to be maintained until the rain garden has achieved stabilization.
11. The stabilized construction entrance should be lengthened to 50'.
12. The silt fence on the south side of the site should be extended further west to ensure full coverage of the pavement demolition area.
13. All downspout locations are to be identified on the plans.
14. Sizing calculations should be provided for the proposed rain garden. Has any infiltration testing or soil exploration been performed? If so, a copy of the results should be provided to the Town Development Office and MRB Group. If not, soil exploration will need to occur prior to installation to ensure that the minimum 2' vertical separation from groundwater is met.
15. The plans show the rain garden underdrain at 689.2' whereas the invert of the discharge pipe is noted at 691.5'. The underdrain should not be below the invert of the discharge pipe. Please revise accordingly.
16. The following comments relate to the rain garden detail:
  - a. The mulch layer should be a shredded hardwood mulch.
  - b. The soil media layer should be either the NYSDOT bioretention and dry swale mix, or the rain garden mix described on page 5-75 of the NYS Stormwater Management Design Manual (SWMDM).
  - c. Per the SWMDM, the drainage layer should be thicker than 12" and should consist of clean washed gravel rather than crushed stone.
  - d. The peastone choker course should be removed.
  - e. A permeable geotextile should be provided on all sides of the drainage stone layer.

- f. A landscaping plan and schedule should be provided for the rain garden and should include species shown in Table 5.11 on page 5-78 of the SWMDM.

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

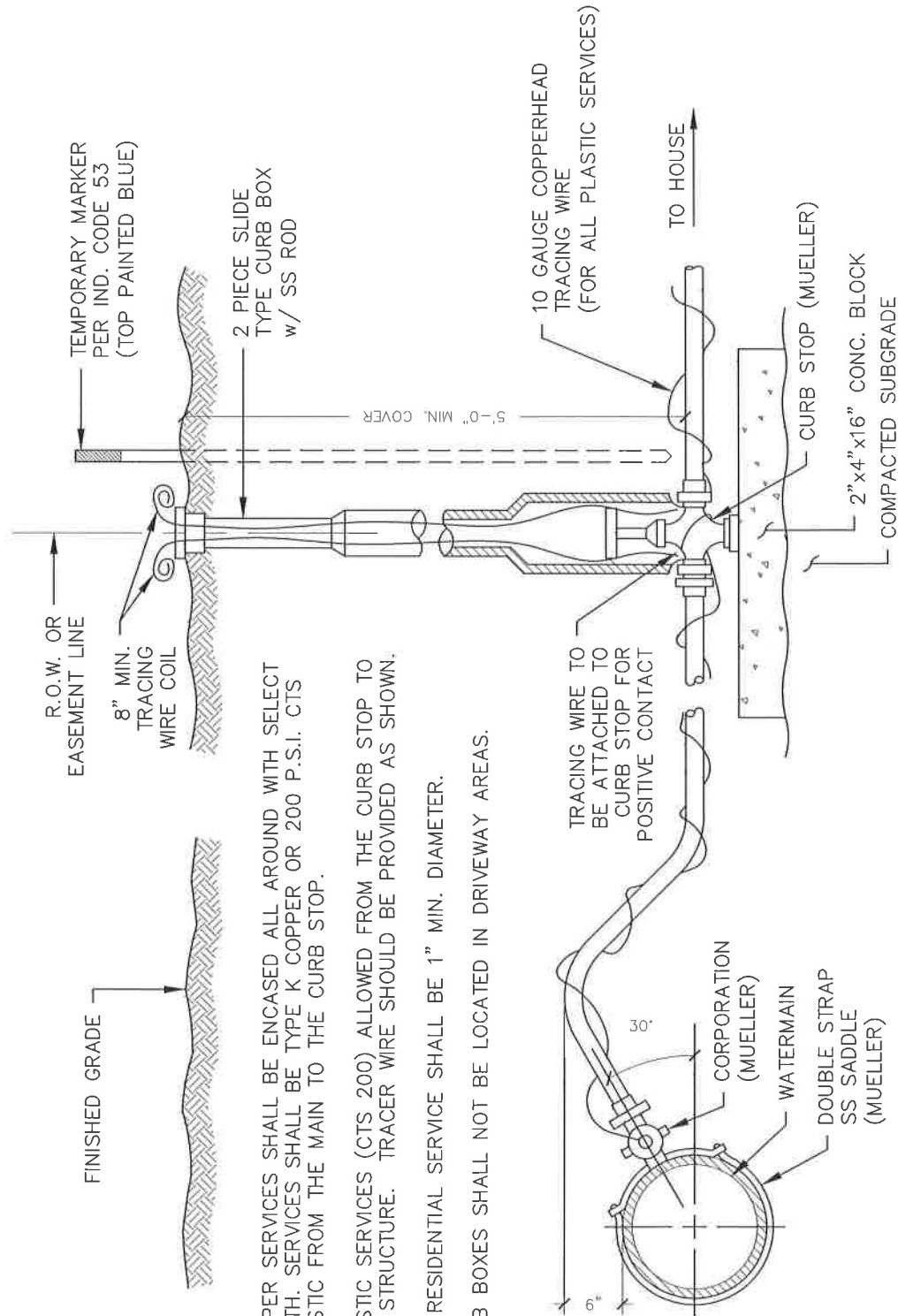
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*Established 1789*

APPENDIX: **W - 3.0**

DATE: 2018

SCALE: N.T.S.

**MRB** | group



## NOTES:

1. COPPER SERVICES SHALL BE ENCASED ALL AROUND WITH SELECT EARTH. SERVICES SHALL BE TYPE K COPPER OR 200 P.S.I. CTS PLASTIC FROM THE MAIN TO THE CURB STOP.
2. PLASTIC SERVICES (CTS 200) ALLOWED FROM THE CURB STOP TO THE STRUCTURE. TRACER WIRE SHOULD BE PROVIDED AS SHOWN.
3. ALL RESIDENTIAL SERVICE SHALL BE 1" MIN. DIAMETER.
4. CURB BOXES SHALL NOT BE LOCATED IN DRIVEWAY AREAS.

## TYPICAL WATER SERVICE