

STORMWATER POLLUTION PREVENTION PLAN

FOR

716 AND 722 GUION DRIVE AND 721 STUART AVE

VILLAGE OF MAMARONECK, NY

APRIL 9, 2019

RECEIVED
APR 12 2019
BUILDING DEPT.



ROBERT ROSELLI, PE

NY LIC. 078664

1.0 PROJECT BACKGROUND AND DESCRIPTION

The project involves three single family private residences, 716 and 722 Guion Drive and 721 Stuart Avenue. All proposed work will be located in the rear of these properties which are all directly adjacent to Guion Brook. The main purpose of the project is to alleviate flooding in the rear yards of the subject lots so as to minimize damage and allow the owners to better utilize their properties in terms of recreation and other benefits. There are three general aspects of the proposed project:

1. Raising portions of the rear yards by an average of around 1.5 feet (approximately 220 cubic yards of new fill and topsoil)
2. Repair of existing drainage at 716 Guion Drive and extension of a new drain pipe into Guion Creek
3. New landscaping on the exposed slopes above 716 Guion Drive

The proposed project area is approximately 6,000 square feet (0.14 acres). No trees are proposed to be removed for this project and no work is proposed in any wetland or waterway. A site map is presented as Figure 1. Site specific details including physical locations, existing and proposed topography, erosion control notes and measures, seeding requirements and construction details are included on the Proposed Grading and Drainage Plan that accompanies this document.

2.0 EXISTING SITE CONDITIONS

All three properties have single family homes served by asphalt driveways and lawns in generally good condition. A small wooded area with some exposed soil areas throughout is located just uphill (north) of the house on 716 Guion Drive. Slopes within the project area are mostly flat (around 2%) with the remainder, the area of woods and proposed landscaping above 716 Guion Drive, at approximately 15-20%. An area of reeds spans across the rear yards of 716 Guion Drive and 721 Stuart Avenue. According to the Westchester County Soil Survey the predominant soil type within the proposed project area is UIC, Urban Land Charlton-Chatfield Complex, hilly and very rocky. The soil profile is a sandy loam material with some rock and exposed bedrock throughout.

3.0 FINAL SITE CONDITION

The final site will be an improvement to the current site. First, the existing lawn will be replaced with new lawn after the grade is raised. Second, approximately 225 square feet of asphalt driveway for 722 Guion Drive will be removed and replaced with grass so the impervious area

will decrease as a result. Third, much of the exposed soil area above 716 Guion Drive will be stabilized with new landscaping. The overall effect of these changes will be a decrease in both runoff quantity and quality in terms of decreased sedimentation from the currently bare slope above 716 Guion Drive.

4.0 EROSION CONTROL MEASURES

The principal erosion control measure will be silt fence that will span the entire project length. It will be properly maintained as needed during the project. Any damaged silt fence will be repaired or replaced as needed for the duration of the project. There will be no soil removed from the site aside from the section of asphalt driveway to be eliminate. Any imported fill and topsoil will be graded out and compacted as it arrives on site. Afterwards it will be seeded in accordance with the NYS DEC seeding specifications included on the accompanying grading and drainage plan. So there will not be any exposed or loose soil for any significant amount of time.

Currently no additional erosion control measures are proposed since the surrounding site is already stabilized with grass, driveways and houses. However, this can be adjusted should any unforeseen conditions arise that require additional measures.

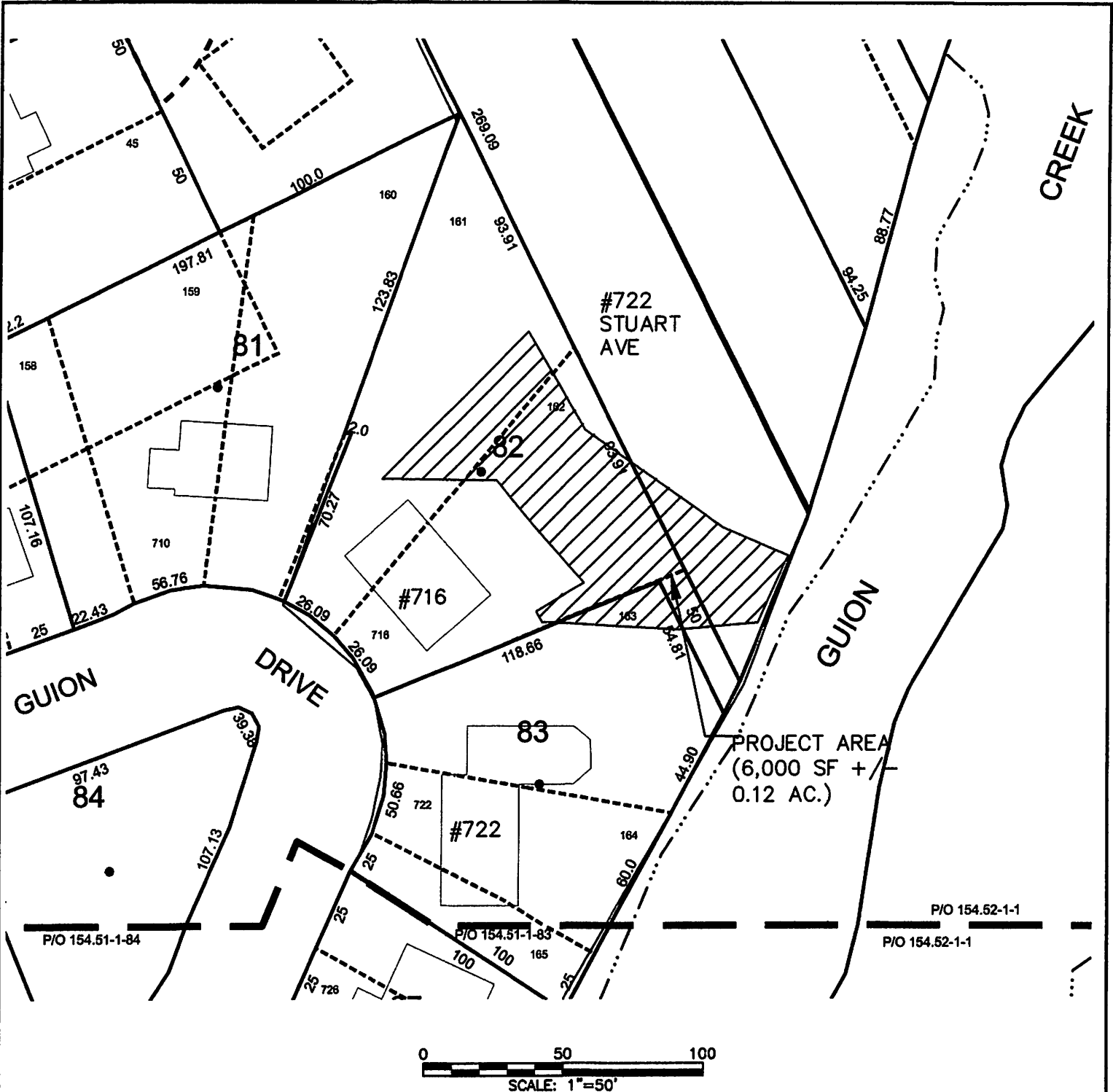
Proposed Construction Sequence

1. Obtain all permits and permissions
2. Install silt fence
3. Construct new drainage structures and repair sea wall as needed
4. Import fill and rough grade
5. During construction all erosion control measures to be inspected and properly maintained
6. Additional erosion control measures to be installed as needed during construction
7. Compaction and final grade
8. All disturbed areas to be seeded and mulched per the NYS DEC seeding specifications included on the Proposed Grading and Drainage Plan
9. Remove all erosion control measures after the entire work area is properly stabilized

5.0 POST CONSTRUCTION

The post construction site including the new lawn area and landscaped areas will maintained by the individual involved property owners. The sumps and plastic hoods for the two new catch basins will be inspected at least semi-annually and cleaned as needed to prevent clogging of the new drain pipes and sediment washout into Guion Creek.

C:\Users\p101\Documents\Projects\Guion Drive\Site Plan April 2019.dwg, 4/10/2019 3:17:11 AM, Brother MFC-J6545DW Printer



REVISION		DATE	APPROVED	DESIGNER: RR	RR	PROPOSED PROJECT AREA
				DRAWN BY: RR	RR	
				CHECK BY: RR	RR	
				DATE: 04.09.19	04.09.19	
				SCALE: 1"=50'	1"=50'	
				PROJECT NO.: ristine	ristine	GUION DRIVE MAMARONECK, NY
THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN IS AUTHORIZED FOR USE ONLY BY THE PARTY FOR WHOM THE WORK WAS CONTRACTED OR TO WHOM IT IS CERTIFIED.				ROBERT ROSELLI, P.E.		FIGURE NO: 1
THIS DRAWING MAY NOT BE COPIED, REUSED, DISCLOSED, DISTRIBUTED OR RELIED UPON FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT ROBERT ROSELLI, PE				PO BOX 837, MAHWAH, NJ 07430 213 ROUTE 100, KATONAH, NY 10536 TEL: (201) 993-0781 email: info@upstatedevelopment.com		
				ROBERT ROSELLI, P.E. NY LIC. NO. 078664		SHEET 1 OF 1