



November 1, 2022

Revised Plan to 5 Willow Road Application to construct: Swimming Pool/spa with patio, fencing, and roofed over rear patio with outdoor kitchen.

Below are the variances which have been **reduced**:

1. Code §150-39. A Residence B: Max 15% or 3,567.32 SF.
 - a. **The revised proposed lot coverage will be 19.3% or 4,580.3 square feet.**
2. Code §150-47. B Swimming Pool fences shall not be located less than 25 ft from the rear lot line and not less than 25 ft from the side lot line.
 - a. **The revised proposed pool fencing will be 15.3 ft from the northeast side lot line and the other 3 sides will be code compliant.**

The **required** variances for pools and sports courts:

1. Code §150-47. B Swimming Pools, states no swimming pool shall be constructed or erected unless a permit for the same shall have been issued by the Board of Appeals of the Village of Woodburgh. An application for such permit shall be accompanied by plot, site and building plans of such pool showing dimensions, design, location and use of all structures, equipment, drainage, sanitary filtration, water supply and disposal facilities, fencing, covering of pool and such information as may be required by said Board.
 - a. **Proposed in-ground swimming pool and a raised spa.**



Christopher W. Robinson, PE President
Wayne A. Muller, PE Vice President

Matthew P. Scheiner, PE Partner
Matthew K. Aylward, PE Partner
Gino Tedesco, Associate

November 1, 2022

Zoning Board of Appeals
Incorporated Village of Woodsburgh
30 Piermont Avenue
Hewlett, NY 11557

RE: 5 Willow Road
Village of Woodsburgh,
Drainage review No.3
NCTM: 41-39-767
R&M No. 2022-065

To Whom it may Concern:

R&M Engineering has reviewed the revised Grading & Drainage Plan for the subject parcel as prepared by Northcoast Civil Land Surveying and Civil Engineering, dated 4/20/2022, last revised 8/25/2022 and find the drainage calculations have been revised to provide for a 5-inch rainfall which includes the 6,000-square foot tributary lawn area. The stormwater runoff generated from the proposed impervious and tributary pervious area is captured and conveyed to six (6)-10-foot diameter by 4-foot effective depth drywells with a storage capacity of 1,644 cubic feet with the bottom of structure more than 4 feet above groundwater. The proposed improvements also incorporate permeable pavers thereby decreasing the impervious coverage and to capture runoff from the patio. The area beneath the patio is capable of storing 848.2 cubic feet of stormwater in the 12-inch-deep stone void, the combined storage is equivalent to 2,492.2 c.f. and exceeds the required 2,459.0 c.f. of storage for the 5-inch rainfall event. We find the drainage as re-designed provides substantial storage for the new impervious areas more than the 5-inch rainfall as requested by the Village. Furthermore, in combination with the sandy underlying soils as determined by the Test Boring performed by Ace Boring Inc. and confirmed by the two additional borings performed by Slacke Test Boring Inc. on August 11, 2022, we find the sandy soils encountered shall naturally infiltrate the runoff at a high rate to the underlying soils that substantiates the proposed storage that is proposed.

In addition, the proposed grading incorporates drainage swales and a +/- 6-inch berm to convey, capture and store stormwater runoff and maintain it on-site without disturbance to adjoining properties. Based on the findings above, it is our professional opinion that the improvements are in compliance with the Village Code as set forth within § 150-47- Swimming Pools, Article IX- Erosion and Sediment Control and the Village of Woodsburgh Swimming Pool permit application requirements for less than 1-acre of disturbance. The proposed catch basins and drainage system will contain the stormwater on-site and rainfall runoff will not leave the property in the event of a 10 year, -24- hour storm occurrence and thereby will have no adverse effect on adjoining properties.

If you have any questions, or would like to discuss the above further, please do not hesitate to contact us.

Sincerely,
R&M Engineering

Gino Tedesco, Associate
For Christopher w. Robinson, P.E.



gt/md

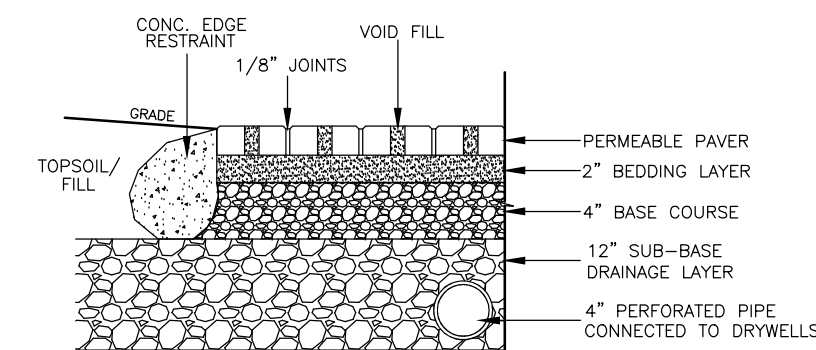
cc: John C. Armentano, Farrell Fritz, P.C.



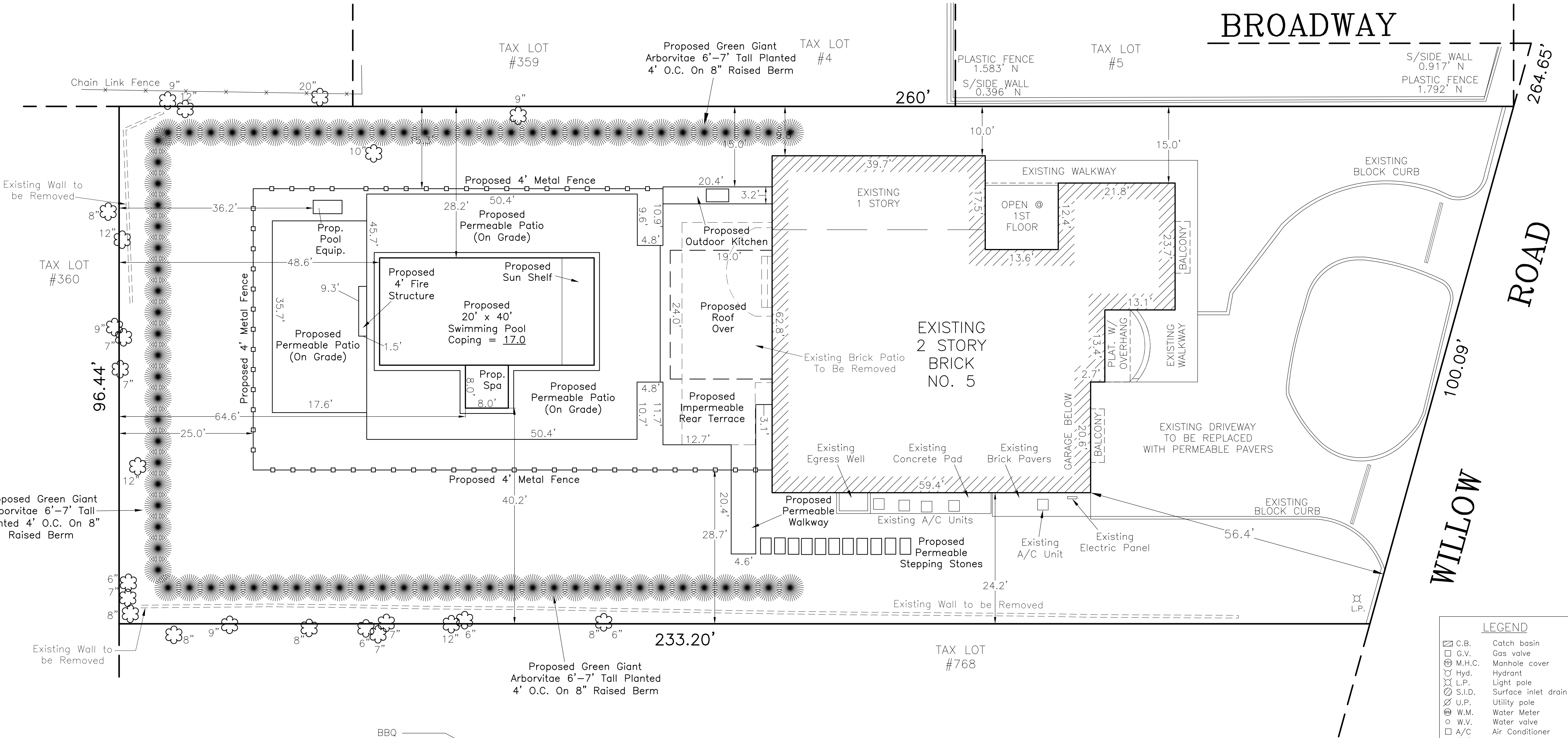
ATLAS LOCATION

Note: Doors leading into pool enclosure area to have door alarms—R326.4.2.8
 Note: All water either overflowing or emptying from the pool shall be disposed of on the owners property.
 Note: All lights used to illuminate the swimming pool or pool area shall be shielded so as to prevent the shining upon the property of any adjacent property owner.
 Note: No Loudspeaker device or equipment of any kind shall be installed or used in or about the swimming pool or pool area unless same shall be muted so as to prevent any noise from being heard beyond the property lines of the owner's land.
 Note: Swimming pool shall be equipped with an approved pool alarm device as per the Residential Code of New York State. The alarm shall be capable of detecting a child entering the water and giving an audible alarm when it detects a child entering the water. The alarm shall be classified by Underwriters Lab (or other approved independent testing lab) to reference standard ASTM F2208 and shall produce audible poolside and at another location on the premises where the swimming pool is located. All devices shall be installed, used and maintained in accordance with the manufacturer's specifications.

Note: Suction outlets shall be designed to produce circulation throughout the pool & spa, and shall be protected against user entrapment.
 Note: Provide suction fittings as per R326.6.2
 Note: Provide atmospheric vacuum relief system as per R326.6.3
 Note: Provide dual drain separation as per R326.6.4
 Note: Pool cleaner fittings to comply with R326.6.5
 Note: The proposed swimming pool shall be surrounded by a temporary barrier during installation or construction and shall remain in place until a permanent barrier in compliance with R326.5.2 of the NYS Supplement
 Note: The proposed swimming pool shall be surrounded by a permanent barrier
 Note: Once construction is complete in compliance with R326.5.3 of the NYS Supplement
 Note: All pool barrier gates shall comply with Village of Woodburgh Building Codes And New York State Building Codes
 Note: All existing and proposed fencing to be located or relocated, to be on or Within the property lines of the subject parcel



NOTES:
 SUB-BASE: OPEN-GRADED AGGREGATE COMPRISED OF 2" TO 3" FRACTURED ROCK.
 BASE: OPEN-GRADED AGGREGATE COMPRISED OF SMALL TO MEDIUM SIZED STONE (1/2" TO 1")
 BEDDING COURSE: OPEN-GRADED AGGREGATE BENEATH UNIT PAVERS COMPRISED OF SMALL STONE CHIPS (1/4" TO 3/8")



ZONING	REQUIRED	EXISTING	PROPOSED
Area	14500 SQ. FT.	23782.1 SQ. FT.	23782.1 SQ. FT.
Front Yard	35'	50.7'	50.7'
Side Yard	15'	9.8'	9.8'
Rear Yard	25'	121.7'	121.7'
Street Frontage	100'	100.1'	100.1'
Max. Building Coverage	15%	17.3%	19.3%
Max. Permitted Impervious Coverage	7467.5 SQ. FT.	8464.4 SQ. FT.	6539.2 SQ. FT.

ZONED: Residence District B

IMPERMEABLE LOT COVERAGE:

Existing Lot Coverage Calculation

Lot Area: 23782.10 Sq. Ft.

Existing Area:

Existing Dwelling	=	4000.0 Sq. Ft.
Existing Driveway	=	3100.0 Sq. Ft.
Existing Patio	=	650.0 Sq. Ft.
Existing Walkway	=	475.0 Sq. Ft.
Existing Concrete Utility Pad	=	239.4 Sq. Ft.

Total Coverage: 8464.4 Sq. Ft. > 7467.50 Sq. Ft.

Proposed Lot Coverage Calculation

Lot Area: 23782.10 Sq. Ft.

Existing Area:

Existing Dwelling	=	4000.0 Sq. Ft.
Existing Walkway	=	475.0 Sq. Ft.
Existing Concrete Utility Pad	=	239.4 Sq. Ft.

Proposed Area:

Proposed Pool	=	800.0 Sq. Ft.
Proposed Spa	=	100.0 Sq. Ft.
Proposed Outdoor Kitchen	=	65.3 Sq. Ft.
Proposed Pool Equipment	=	13.5 Sq. Ft.
Proposed Fire Structure	=	14.0 Sq. Ft.
Proposed Roof Over	=	384.0 Sq. Ft.
Proposed Impermeable Terrace	=	448.0 Sq. Ft.

Total Coverage: 6539.2 Sq. Ft. < 7467.50 Sq. Ft.

BUILDING COVERAGE:

Percent Coverage Calculation

Lot Area: 23782.1 Sq.Ft.

Existing Area:

Existing Dwelling	=	4000.0 Sq.Ft.
Existing Front Porch	=	117.0 Sq.Ft.

Proposed Area:

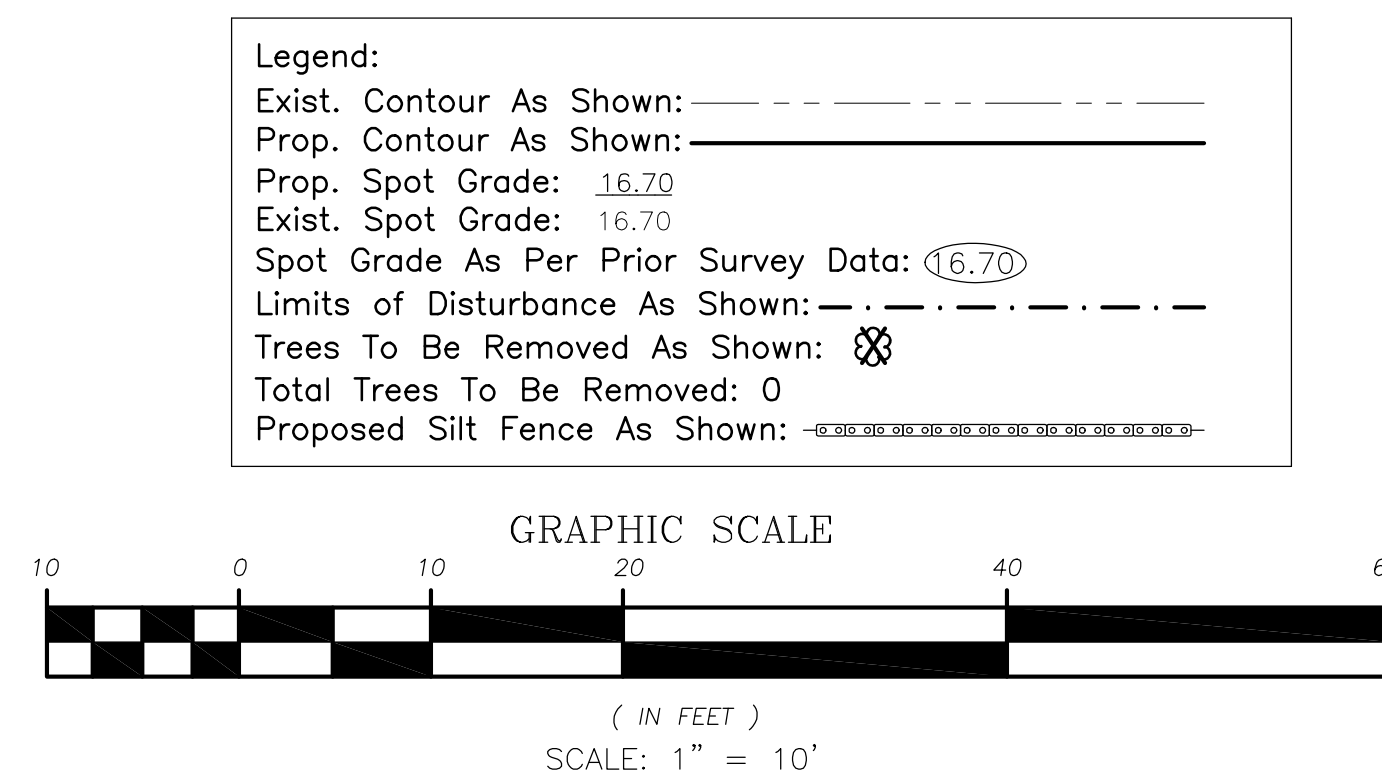
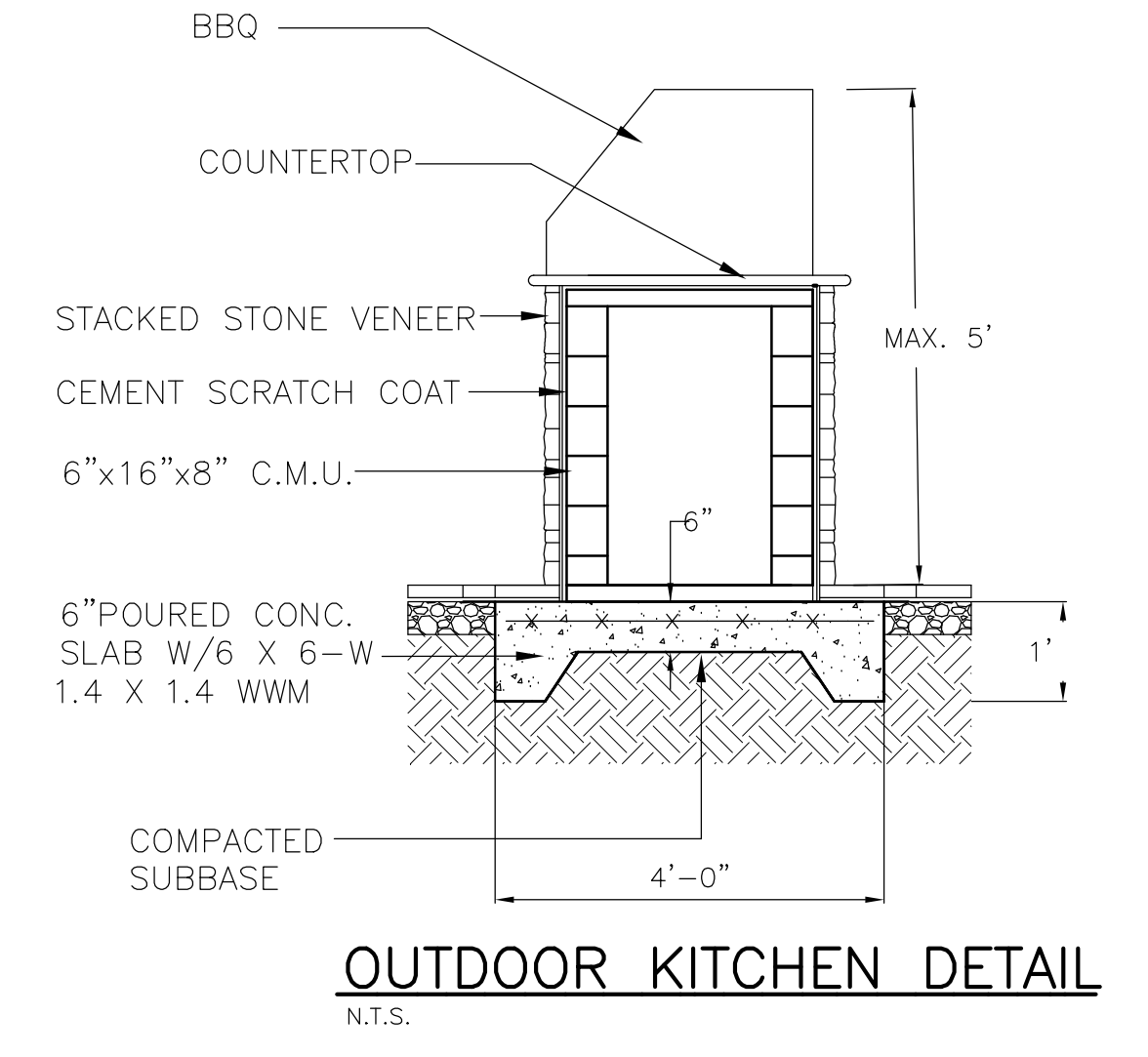
Proposed Outdoor Kitchen	=	65.3 Sq.Ft.
Proposed Roof Over	=	384.0 Sq.Ft.
Proposed Fire Structure	=	14.0 Sq.Ft.

Total Coverage: 4580.3 Sq.Ft.

Percent Coverage = $\frac{\text{Total Coverage}}{\text{Lot Area}} \times 100\% = \%$ Coverage

Percent Coverage = $\frac{4580.3 \text{ Sq.Ft.}}{23782.1 \text{ Sq.Ft.}} \times 100\% = \%$ Coverage

Percent Coverage = 19.3% > 15.0% M.C.



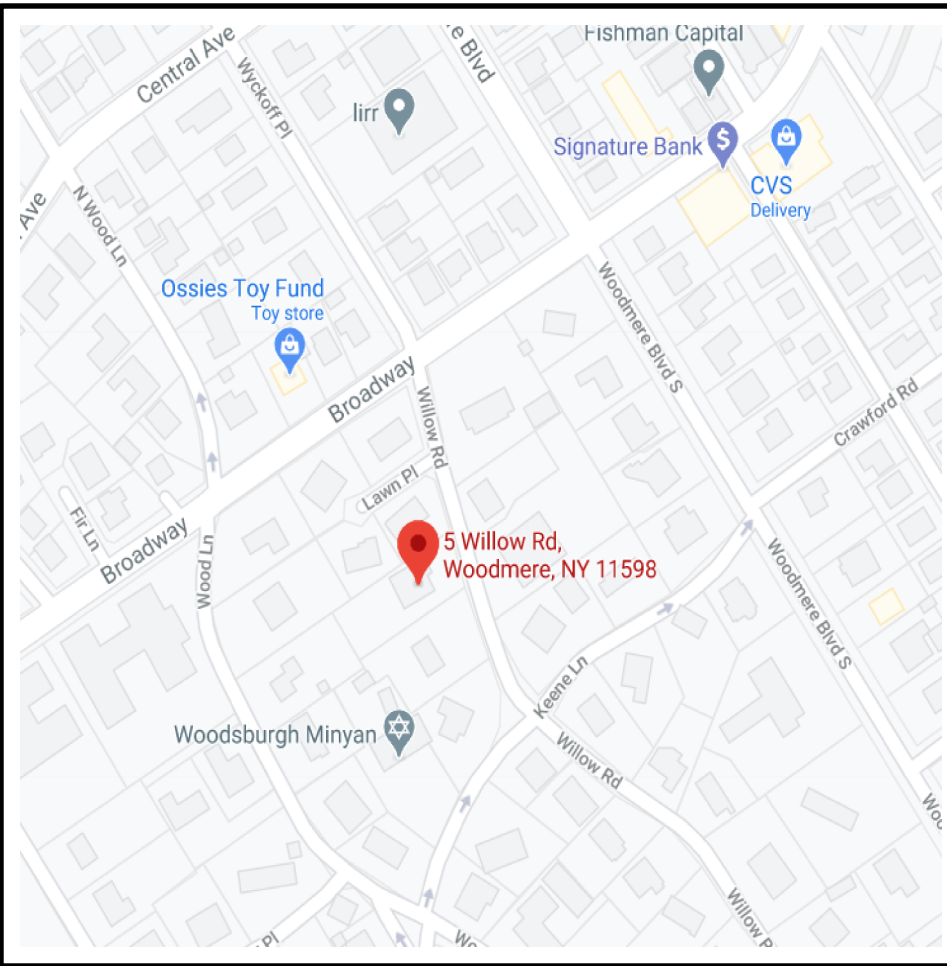
NOTE: THE PLANTINGS FOR THE SPORTS COURTS WILL SCREEN THE FENCE FROM VIEW.
 NOTE: RUNOFF FROM THE SITE IS TO BE CONTAINED ON THE PROPERTY AND SHALL NOT RUN ONTO ADJACENT PROPERTIES OR THE ADJOINING ROADWAYS.

<p>1/2</p>	PROJECT INFORMATION	PROJECT
	DATE: 3/15/2021	<p>ZONING SITE PLAN</p> <p>OF PROPERTY</p>
	DRAWN BY: LGA	
	CHECKED BY: MJR	
SCALE: 1"=10'		
AREA: 0.55 ACRES	SITUATED: INCORPORATED VILLAGE OF WOODSBURGH	
23782.10 SQ. FT.	NCTM: 41-39-767	
DATUM: NAVD'88	SEAL	

REVISED: 8/25/2022
 REVISED: 6/28/2022
 REVISED: 4/20/2022
 REVISED: 1/20/2022
 REVISED: 11/17/2021
 REVISED: 8/24/2021
 REVISED: 8/10/2021
 REVISED: 7/28/2021
 REVISED: 4/16/2021

Northcoast Civil LAND SURVEYING & CIVIL ENGINEERING

39 WEST MAIN STREET
 OYSTER BAY, NY 11771
 P:(516)922-3031 | F:(516)922-7475



ATLAS LOCATION

TEST BORING #1 - 08/11/2022
Performed By Slacke Test Boring Inc.

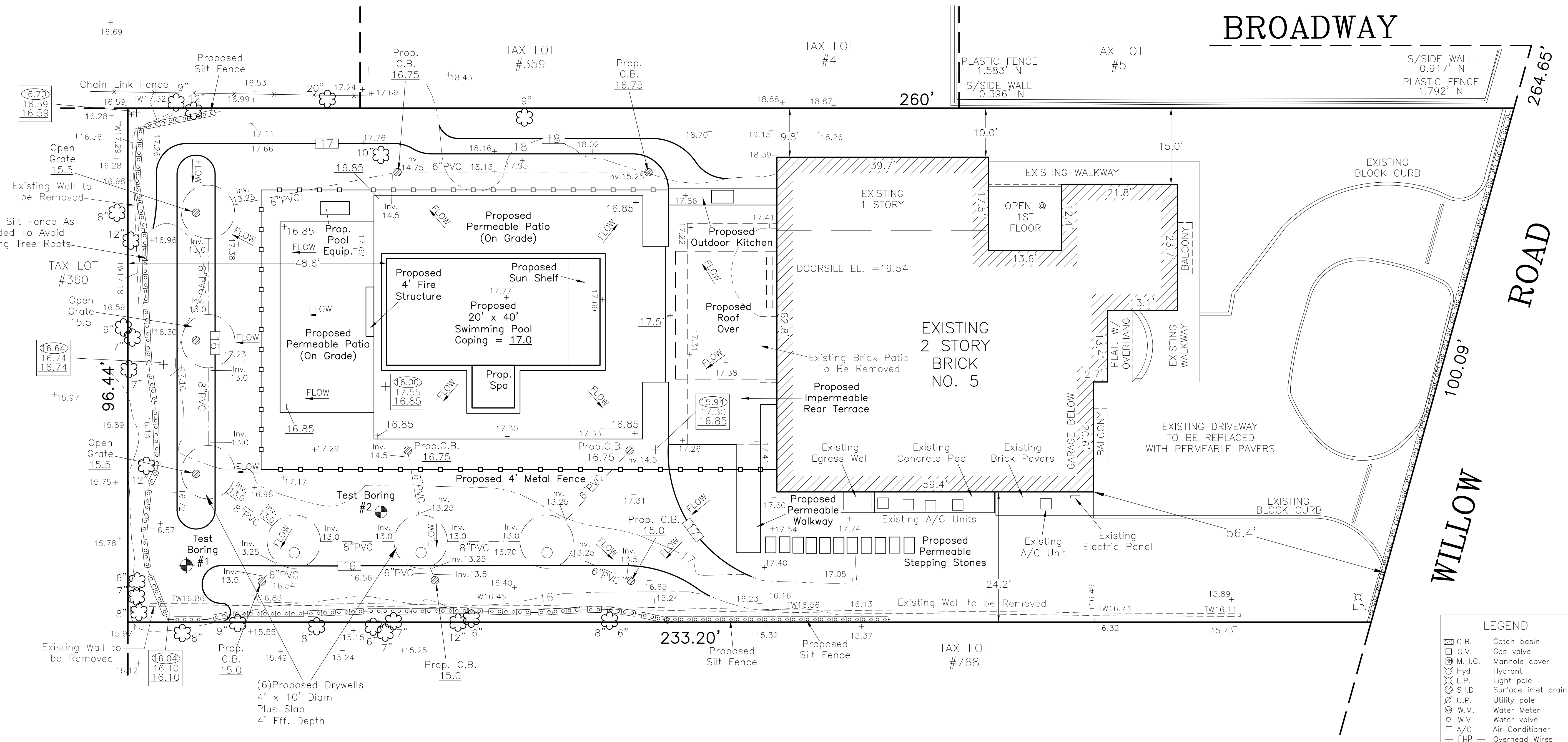
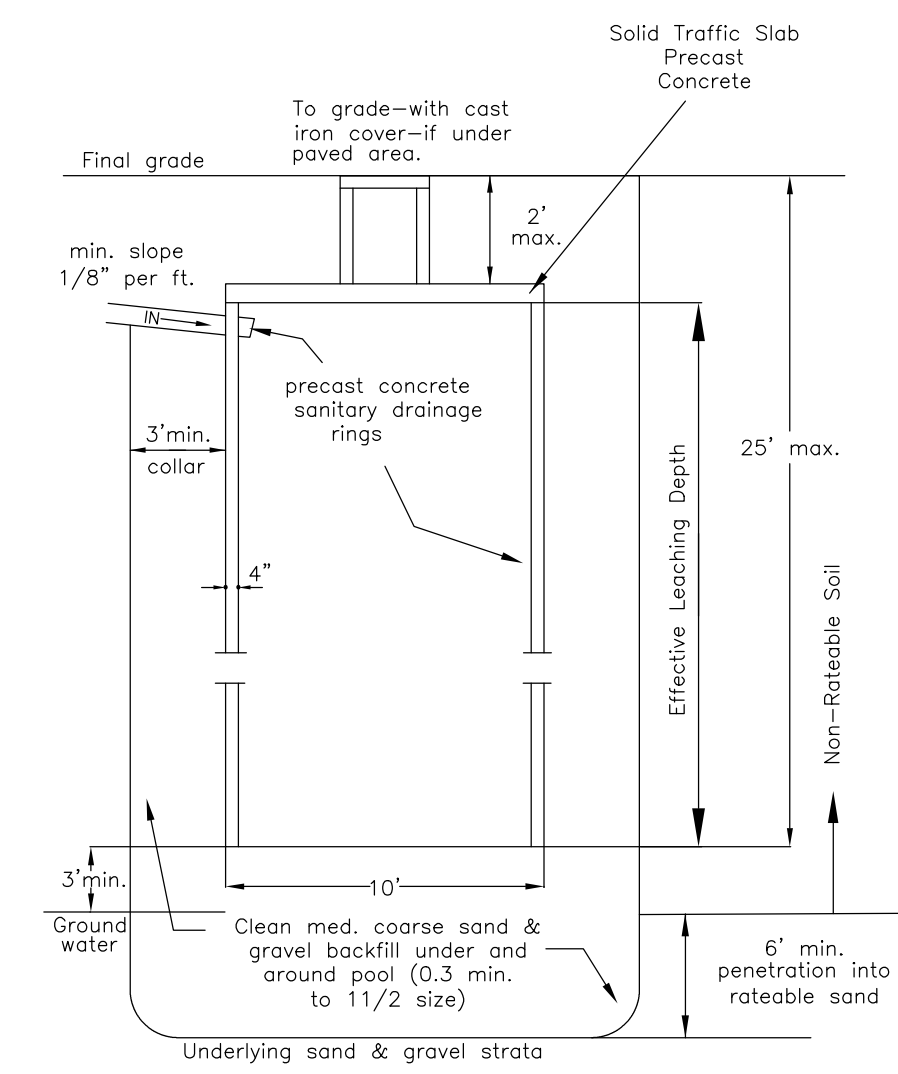
Depth	Classification Of Soil	
2.0'	Top Soils with Dark Brown and Pale Brown Fine Silty Sands with Trace Fine to Small Gravel and Some Mixed Organics. (SM)	
2.0'	4.0'	Brown Fine Silty Sands with Trace Fine Gravel. (SM)
4.0'	6.0'	Light Brown Fine Same Size Sands with Trace Fine Gravel. (SP)
6.0'	8.0'	Light Brown and Pale Brown Mix of Mix Size Fine and Medium Clean Sands with Trace Fine and Coarse Gravel into Mostly Same Size Clean Medium Sands with Trace Medium Gravel.
8.0'	10.0'	Light Brown and Rust Brown Mix of Mix Size Fine to Coarse Clean Dry Sands with Same Fine to Small Gravel into All Same Size Fine Sands with Trace Fine to Small Gravel. (SW/SP)
10.0'	12.0'	Pale Brown and Rust Brown Mix of Mostly Clean Fine Sands with Trace Fine Silts and No Gravel. (SP)
12.0'	17.0'	Light Brown and Rust Brown Mix of Mostly Clean Fine Sands with Some Silty Fines and No Gravel into Medium Sands with Some Silty Mix and Trace Fine to Coarse Gravel. (SP)
17.0'	22.0'	Light Brown Mix Size Fine to Coarse Sands with Some Fine to Small Gravel. All Clean. (SW)
22.0'	27.0'	Light Brown Mix Size Fine to Coarse Sand with Some Fine to Small Gravel. (SW)

End of Boring: 27' Below Grade
Ground Water Encountered 12.6' Below Grade @ Elev. 4.25

TEST BORING #2 - 08/11/2022
Performed By Slacke Test Boring Inc.

Depth	Classification Of Soil	
2.0'	Top Soils with Mixed Organics and Dark Brown and Brown Silty Fine and Medium Sands with Trace Fine to Small Gravel. Moist to Dry. (SM)	
2.0'	4.0'	Brown and Light Brown Mix of Silty Fine to Medium Sands with Trace Fine to Small Gravel. Some Clean Sands at End of Spoon.
4.0'	6.0'	Light Brown and Rust Brown Mix of All Clean Fine to Medium Mixed Sands with Trace Fine to Small Gravel. (SW)
6.0'	8.0'	Light Brown Mix Size Fine and Medium Clean Sands with Trace Gravel into All Same Size Fine Sands with Trace Fine to Coarse Gravel. (SW/SP)
8.0'	10.0'	Light Brown and Rust Brown Same Size Clean Fine Sands with Trace Fine Gravel into Fine to Medium Mix Size Sands with Some Fine Silts and No Gravel. (SW/SP)
10.0'	12.0'	Light Brown Mix Size Fine to Coarse Sands with Trace Gravel at Top of Spoon into All Same Size Mostly Clean Fine Sands with Some Fine Silts and No Gravel. (SW/SP)
12.0'	17.0'	Light Brown and Rust Brown All Same Size Clean Fine Sands with No Gravel into Fine to Coarse Mix Size Sands with Some Fine to Small Gravel. (SP/SW)
17.0'	22.0'	Rust Brown and Light Brown Fine to Coarse Mix Size Sands with Some Fine to Small Gravel. (SW)
22.0'	27.0'	Light Brown Fine to Coarse Mix Size Sands with Some Fine to Small Gravel. (SW)

End of Boring: 27' Below Grade
Ground Water Encountered 11.9' Below Grade @ Elev. 4.85



DRAINAGE CALCULATIONS:

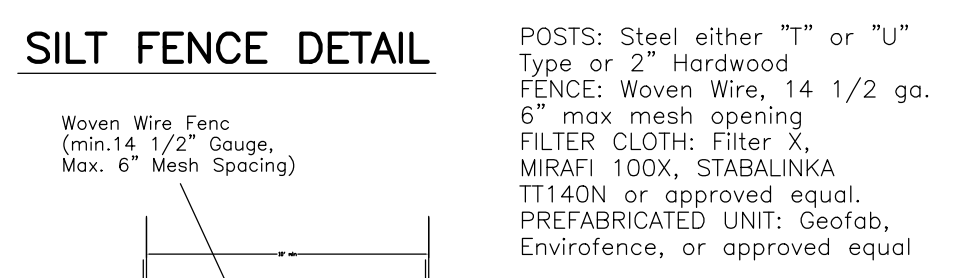
Proposed Permeable & Impermeable Patio Area = 3241.7 s.f.
Runoff = 3241.7 s.f. x 5"/12 = 1350.7 cu.f.

Proposed Pool & Spa = 860.0 s.f.
Runoff = 860.0 s.f. x 5"/12 = 358.3 cu.f.

Proposed Tributary Area = 6000.0 s.f.
Runoff = 6000.0 s.f. x 5"/12 x 0.3 = 750.0 cu.f.

Total Volume Required For 5" Rainfall = 2459.0 cu.f.
Total Storage Volume Provided = 2492.2 cu.f.

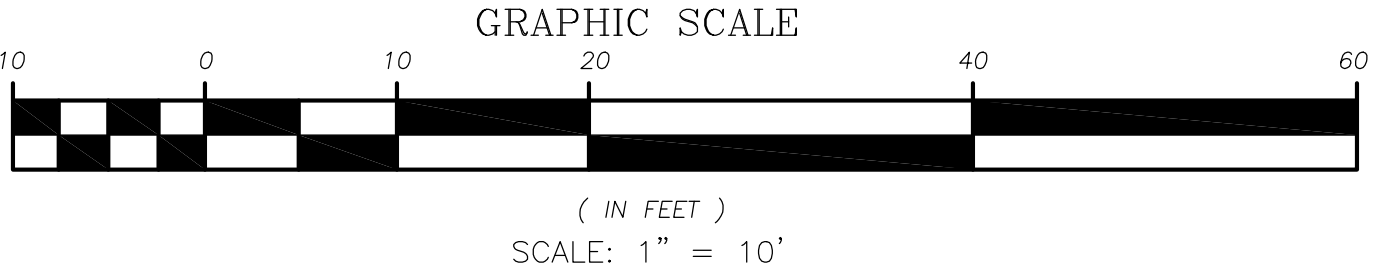
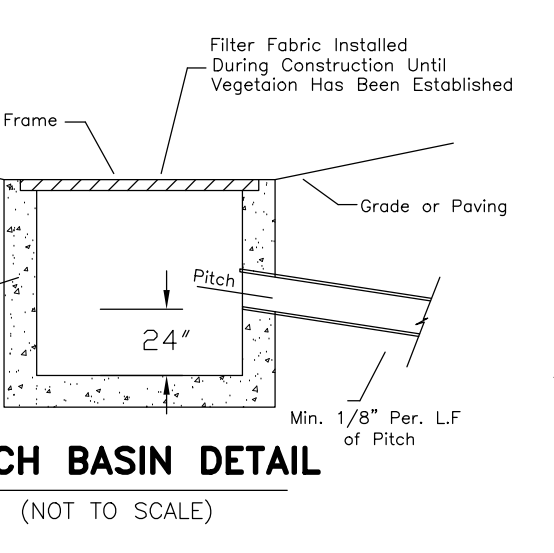
(6) 4' Deep x 10' Diameter Drywells = 1644.0 cu.f.
Permeable Pavement Gravel Storage Volume = 848.2 cu.f.



PERSPECTIVE VIEW

Woven Wire Fence (min. 14 1/2" Gauge, Max. 6" Mesh Spacing) w/ filter cloth over
36" min. Fence post
Undisturbed Ground
20" min. depth
Embed. Filter cloth min. 6" into ground
SECTION

1. Woven wire fence to be fastened securely to fence posts with wire ties or staples.
2. Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid. section.
3. When two sections of filter cloth adjoin each other they shall be overlapped by 6" and folded.
4. Maintenance shall be performed as needed and material removed when "bulges" develop in silt fence.



Legend:
Exist. Contour As Shown: - - - - -
Prop. Contour As Shown: _____
Prop. Spot Grade: 16.70
Exist. Spot Grade: 16.70
Spot Grade As Per Prior Survey Data: (16.70)
Limits of Disturbance As Shown: - - - - -
Trees To Be Removed As Shown: ☒
Total Trees To Be Removed: 0
Proposed Silt Fence As Shown: - - - - -

NOTE: THE PLANTINGS FOR THE SPORTS COURTS WILL SCREEN THE FENCE FROM VIEW.
NOTE: RUNOFF FROM THE SITE IS TO BE CONTAINED ON THE PROPERTY AND SHALL NOT RUN ONTO ADJACENT PROPERTIES OR THE ADJOINING ROADWAYS.

2/2	PROJECT INFORMATION	PROJECT
	DATE: 4/20/2022 DRAWN BY: LGA CHECKED BY: MJR SCALE: 1"=10' AREA: 0.55 ACRES DATUM: NAVD'88	GRADING & DRAINAGE PLAN OF PROPERTY INCORPORATED VILLAGE OF WOODSBURGH NCTM: 41-39-767
		Northcoast Civil LAND SURVEYING & CIVIL ENGINEERING 39 WEST MAIN STREET OYSTER BAY, NY 11771 P:(516)922-3031 F:(516)922-7475

REVIS: 8/25/2022
REVIS: 6/28/2022

Eco-Ridge 80MM

An oversized brick shape with a slightly textured riven surface. Slightly chamfered edges with a 13% open surface area. Joint opening which is compliant with the Americans with Disabilities Act. (ADA)



Environmental Pavers

- **OVERSIZED BRICK SHAPE**
- **SLIGHTLY CHAMFERED EDGES**
- **13% OPEN SURFACE AREA**
- **JOINT OPENING COMPLIANT WITH THE AMERICANS WITH DISABILITIES ACT (ADA)**



Granite City Blend



Eco-Ridge 80MM

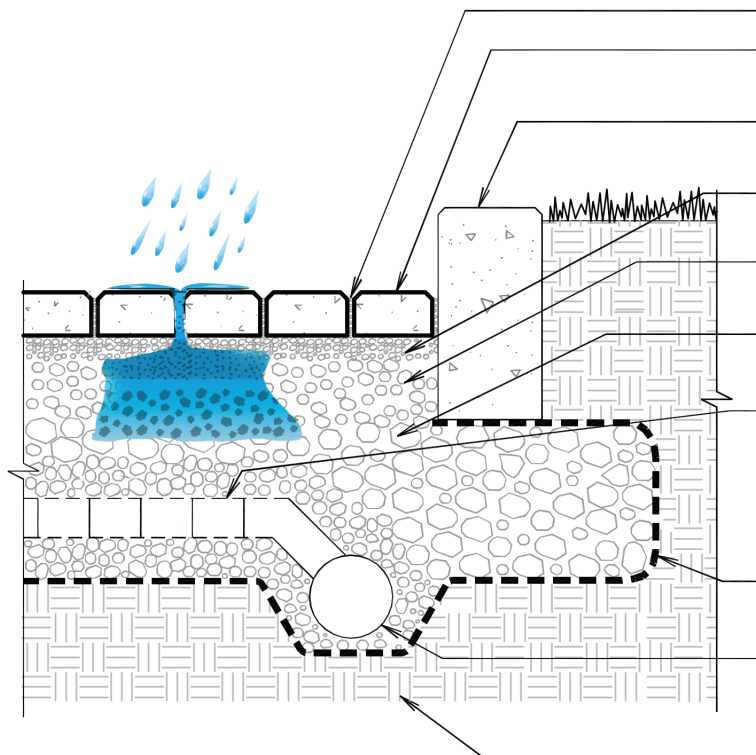
	WIDTH	LENGTH	THICKNESS	SF/PALLET	PCS/PALLET	LBS/PALLET
A	4¾"	9½"	3⅛"	100	320	3,389



GRANITE CITY BLEND



OYSTER BLEND*



- # 8,89 OR 9 AGGREGATE IN OPENINGS
- NICOLOCK'S ECO-TRE PAVERS 31/8" (80mm) THICK FOR VEHICULAR TRAFFIC
- CURB/EDGE RESTRAINT WITH CUT-OUTS FOR OVERFLOW DRAINAGE (CURB SHOW)
- BEDDING COURSE 1 1/2" TO 2" (40 TO 50 mm) THICK (# 8 AGGREGATE)
- 4" (100mm) THICK # 57 STONE OPEN-GRADED BASE
- MIN. 6" (150mm) THICK # 2 STONE SUBBASE
- PERFORATED PIPE SPACED AND SLOPED TO DRAIN STORED WATER. EMBED PIPE IN # 57 STONE
- NONWOVEN GEOTEXTILE WHEN REQUIRED BY DESIGN ENGINEER
- NON-PERFORATED OUTFALL PIPE(S) SLOPED TO STORM SEWER OR STREAM. EMBED PIPE IN # 57 STONE
- SOIL SUBGRADE SLOPED TO DRAIN

DISCLAIMER: These typical details are provided for general information purposes only. Anyone making use of these details does so at their own risk and assumes all liability for such use. Site specific design should be performed by a licensed professional engineer who is familiar with actual site conditions, soil, other materials and local practices.

NOTES:

1. Subgrade must have adequate bearing capacity and be suitable for infiltration practices. Do not compact unless specified by design engineer.
2. Pavers, aggregate base and subbase must be properly compacted.
3. # 2 stone may be replaced with # 3 or # 4 stone.
4. Pavers shall be installed with a surface tolerance of $\pm 3/8"$ over 10ft with no paver lippage greater than $1/8"$
5. Consult ICPI's current permeable pavement design manual for design and installation information.







SLACKE TEST BORING, INC.

Subsurface Soils & Foundation Explorations

P.O. Box 64, Kings Park, Long Island, New York 11754 • (631) 269-7930 • info@slacketestboring.com

Date _____ Job Number _____ Number of Borings _____

Job Location _____

- 1) WATER LEVELS SHOWN ARE THOSE MEASURED ON THE DATE INDICATED AND MAY OR MAY NOT BE REFLECTIVE OF DAILY OR SEASONAL VARIATIONS IN THE GROUNDWATER LEVEL.
- 2) THE BORING RESULTS REPRESENT SUB-SURFACE CONDITIONS AT THE BORING LOCATION ONLY AND ARE NOT NECESSARILY REPRESENTATIVE OF CONDITIONS AT OTHER LOCATIONS.



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Subsurface Soils & Foundation Explorations

P.O. Box 64, Kings Park, Long Island, New York 11754 • (631) 269-7930 • info@slacketestboring.com

Date: August 11, 2022

Client: Michael Berry

Job Number: 22-291 Boring Number: 1

Job Location: 5 Willow Road, Woodsburgh NY 11598

Water Level: 12.6 Feet Below Ground Surface at 10:30AM

Recorded High Tide: 8:22AM Low Tide: 2:51PM

Drilling Method: Geoprobe

Depth		Classification of Soil	30" Blows Sample Spoon	Penetration of Spoon in Inches
To	From			
Ground Surface	2'	Top Soils with Dark Brown and Pale Brown Fine Silty Sands with Trace Fine to Small Gravel and Some Mixed Organics. (SM) Sample #1 @ 0' to 2'	3-4-6-8	24"
2'	4'	Brown Fine Silty Sands with Trace Fine Gravel. (SM) Sample #2 @ 2' to 4'	6-4-3-6	24"
4'	6'	Light Brown Fine Same Size Sands with Trace Fine Gravel. (SP) Sample #3 @ 4' to 6'	5-6-8-8	24"
6'	8'	Light Brown and Pale Brown Mix of Mix Size Fine and Medium Clean Sands with Trace Fine and Coarse Gravel into Mostly Same Size Clean Medium Sands with Trace Medium Gravel. (SW/SP) Sample #4 @ 6' to 8'	9-10-11-14	24"
8'	10'	Light Brown and Pale Brown Mix of Mix Size Fine to Coarse Clean Dry Sands with Some Fine to Small Gravel into All Same Size Fine Sands with Trace Fine to Small Gravel. (SW/SP) Sample #5 @ 8' to 10'	12-9-9-8	24"
10'	12'	Pale Brown and Rust Brown Mix of Medium Size Clean Sands with Trace Fine and Coarse Gravel into All Same Size Fine Sands with Trace Fine Silts and No Gravel. (SP) Sample #6 @ 10' to 12'	10-10-11-10	24"
12'	17'	Light Brown and Rust Brown Mix of Mostly Clean Fine Sands with Some Silty Fines and No Gravel into Medium Sands with	2-5-4-6	24"



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		Some Silty Mix and Trace Fine to Coarse Gravel. (SP) Sample #7 @ 15' to 17'		
17'	22'	Light Brown Mix Size Fine to Coarse Sands with Some Fine to Small Gravel. All Clean. (SW) Sample #8 @ 20' to 22'	6-12-18-17	24"
22'	27'	Light Brown Mix Size Fine to Coarse Sand with Some Fine to Small Gravel. (SW) Sample #9 @ 25' to 27'	22-25-27-30	24"
		END OF BORING 27'0"		



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Subsurface Soils & Foundation Explorations

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Date: August 11, 2022

Client: Michael Berry

Job Number: 22-291 Boring Number: 1

Job Location: 5 Willow Road, Woodsburgh NY 11598

Water Level: 11.9 Feet Below Ground Surface at 11:35AM

Recorded High Tide: 8:22AM Low Tide: 2:51PM

Drilling Method: Geoprobe

Depth		Classification of Soil	30" Blows Sample Spoon	Penetration of Spoon in Inches
To	From			
Ground Surface	2'	Top Soils with Mixed Organics and Dark Brown and Brown Silty Fine and Medium Sands with Trace Fine to Small Gravel. Moist to Dry. (SM) Sample #1 @ 0' to 2'	4-3-3-5	24"
2'	4'	Brown and Light Brown Mix of Silty Fine to Medium Sands with Trace Fine to Small Gravel. Some Clean Sands at End of Spoon. (SM) Sample #2 @ 2' to 4'	5-5-6-4	24"
4'	6'	Light Brown and Rust Brown Mix of All Clean Fine to Medium Mixed Sands with Trace Fine to Small Gravel. (SW) Sample #3 @ 4' to 6'	3-4-4-5	24"
6'	8'	Light Brown Mix Size Fine and Medium Clean Sands with Trace Gravel into All Same Size Fine Sands with Trace Fine to Coarse Gravel. (SW/SP) Sample #4 @ 6' to 8'	8-9-10-10	24"
8'	10'	Light Brown and Rust Brown Same Size Clean Fine Sands with Trace Fine Gravel into Fine to Medium Mix Size Sands with Some Fine to Small Gravel. Trace Moist. (SP/SW) Sample #5 @ 8' to 10'	15-14-12-12	24"
10'	12'	Light Brown Mix Size Fine to Coarse Sands with Trace Gravel at Top of Spoon into All Same Size Mostly Clean Fine Sands with Some Fine Silts and No Gravel. (SW/SP) Sample #6 @ 10' to 12'	11-12-11-12	24"



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12'	17'	Light Brown and Rust Brown All Same Size Clean Fine Sands with No Gravel into Fine to Coarse Mix Size Sands with Some Fine to Small Gravel. (SP/SW) Sample #7 @ 15' to 17'	12-9-8-6	24"
17'	22'	Rust Brown and Light Brown Fine to Coarse Mix Size Sands with Some Fine to Small Gravel. (SW) Sample #8 @ 20' to 22'	23-23-20-18	24"
22'	27'	Light Brown Fine to Coarse Mix Size Sands with Some Fine to Small Gravel. (SW) Sample #9 @ 25' to 27'	15-19-19-20	24"
		END OF BORING 27'0"		



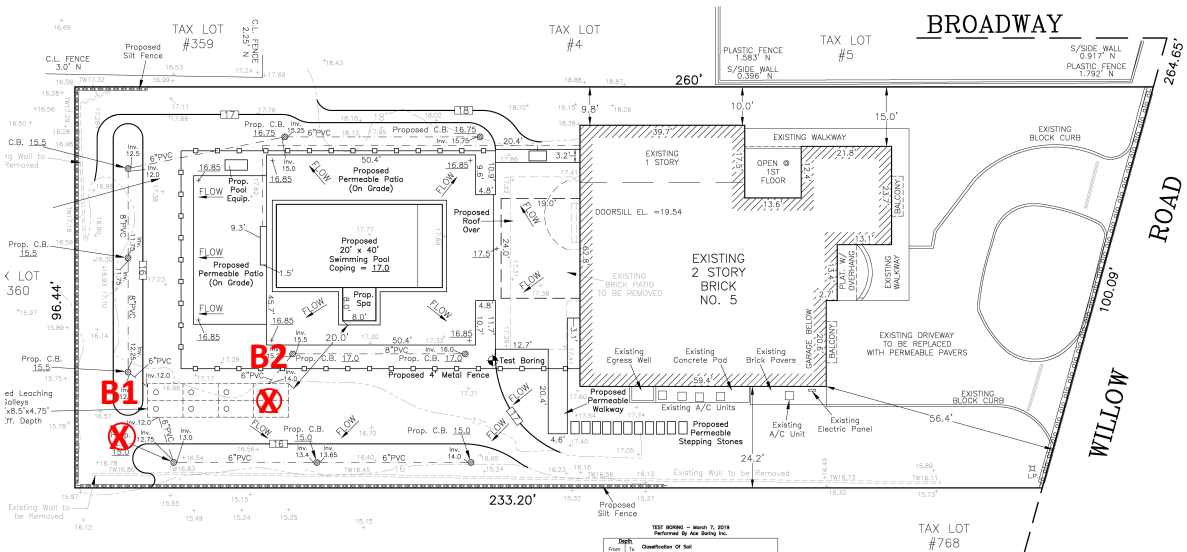
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Subsurface Soils & Foundation Explorations

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Date _____ Job Number _____ Drawing _____ of _____

Job Location _____



[please note drawing is not to scale]