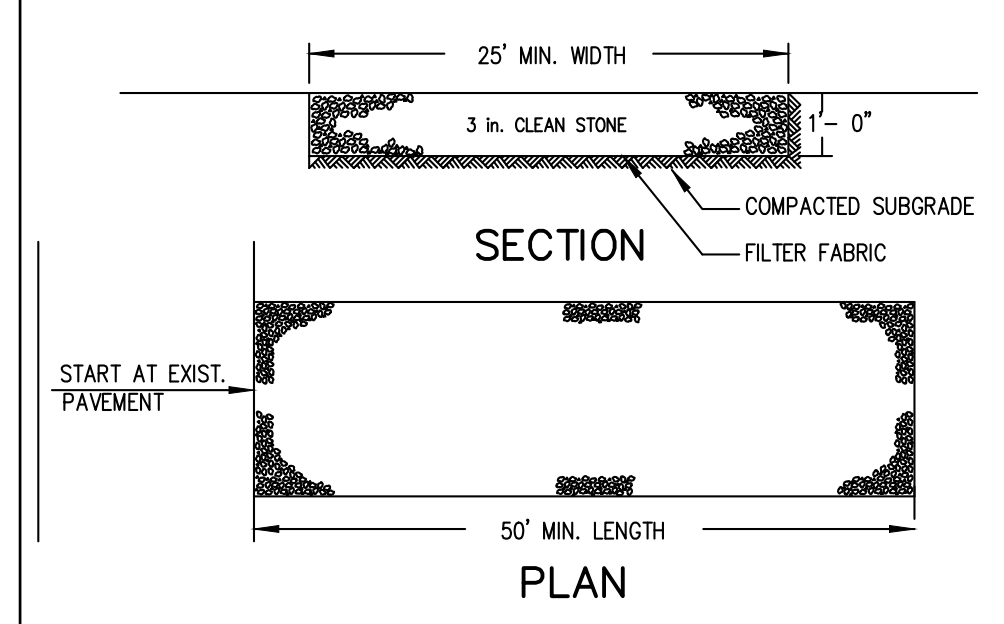


**STABILIZED CONSTRUCTION ENTRANCE**

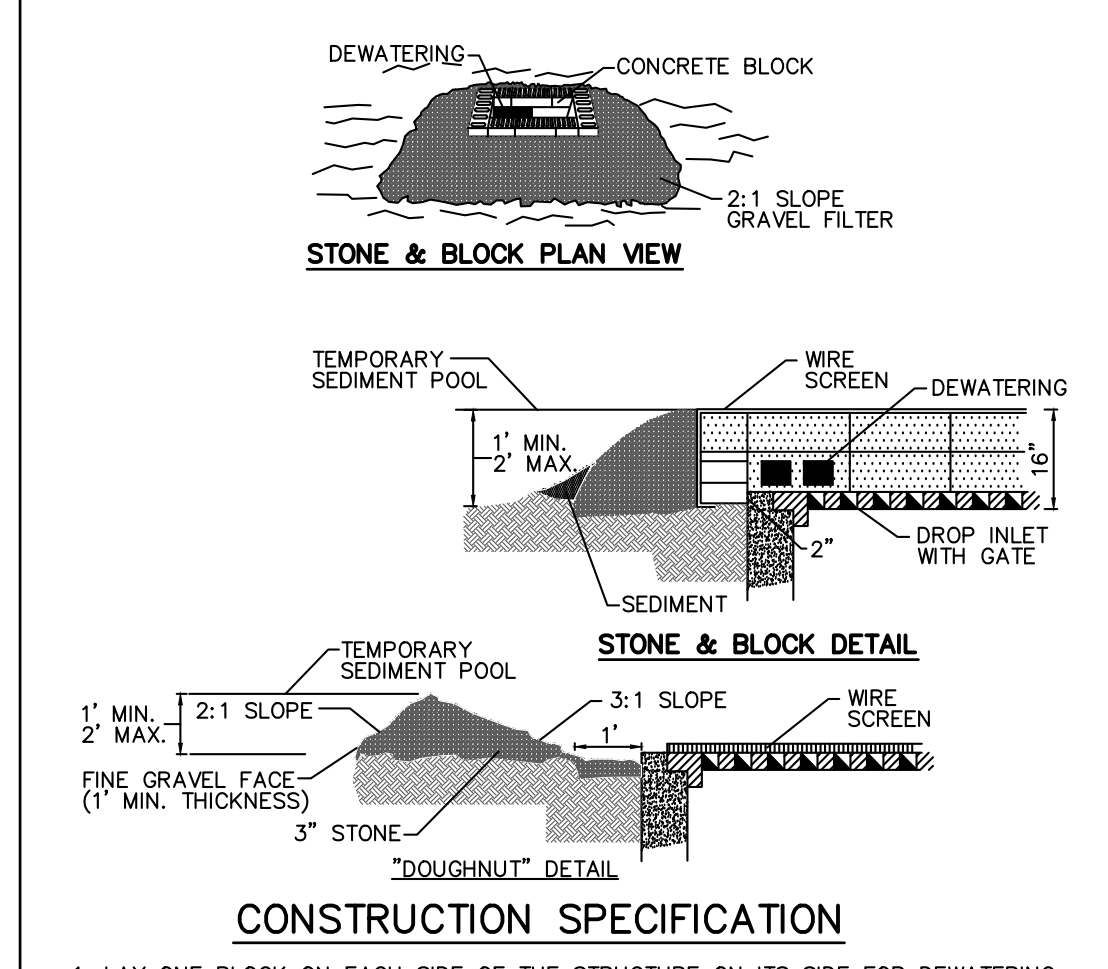


- INSTALLATION NOTES:**
1. STONE SIZE - USE 3" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
  2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
  3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
  4. WIDTH - 25 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR.
  5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
  6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
  7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
  8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
  9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



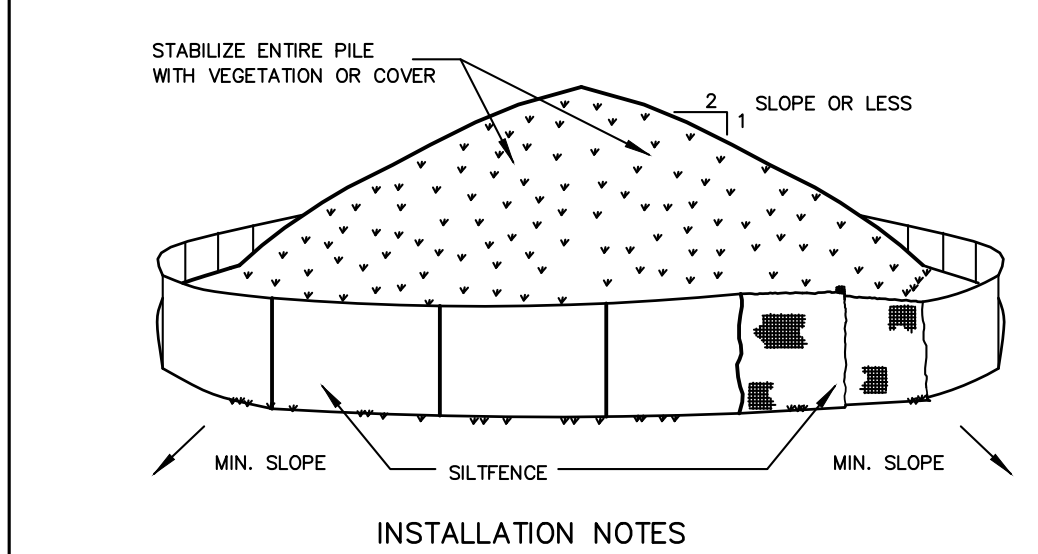
**LOCATION MAP**  
SCALE: 1"=500'

**STONE & BLOCK DROP INLET PROTECTION**



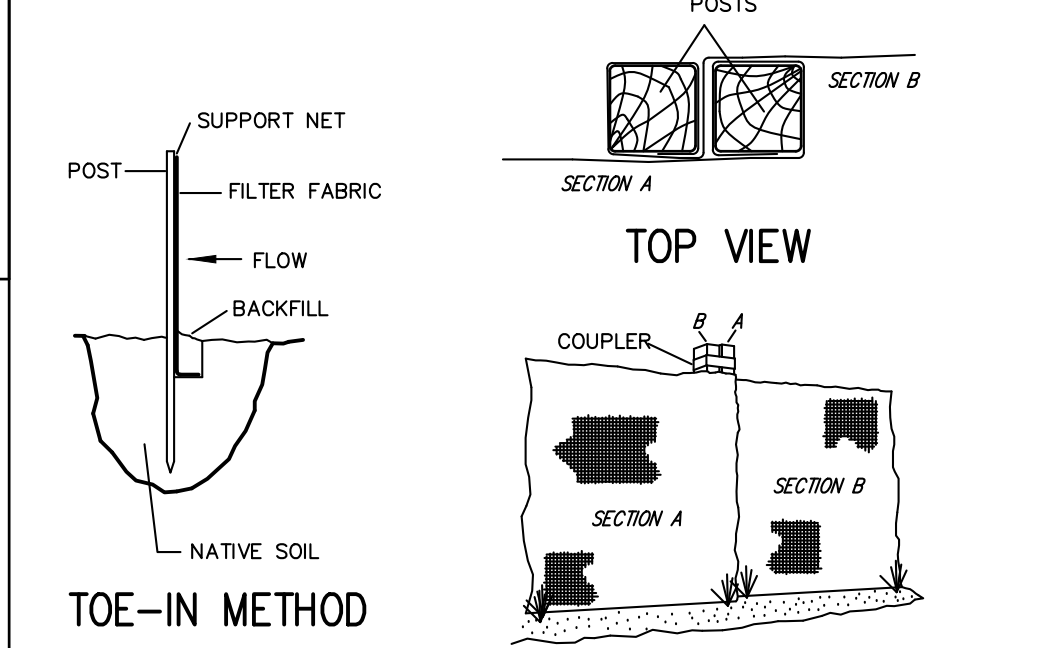
- CONSTRUCTION SPECIFICATION**
1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
  2. HARDWARECLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
  3. USE CLEAN STONE OR GRAVEL 1/2-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF BLOCK ON A 2:1 SLOPE OR FLATTER.
  4. FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN IN THE DRAWINGS. MAXIMUM DRAINAGE AREA 1 ACRE.

**SOIL STOCKPILING**



- INSTALLATION NOTES:**
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
  2. SOILS OR FILL TO BE STOCKPILED ON SITE DURING CUTTING AND FILLING ACTIVITIES SHOULD BE LOCATED ON LEVEL PORTIONS OF THE SITE WITH A MINIMUM OF 50-75 FOOT SETBACKS FROM TEMPORARY DRAINAGE SWALES.
  3. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
  4. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
  5. STOCKPILES REMAINING IN PLACE FOR MORE THAN A WEEK SHOULD BE SEEDED AND MULCHED OR COVERED WITH GEOTEXTILE FABRIC SURROUNDED BY SILT FENCE.
  6. SEE SPECIFICATIONS (THIS MANUAL) FOR INSTALLATION OF SILT FENCE.

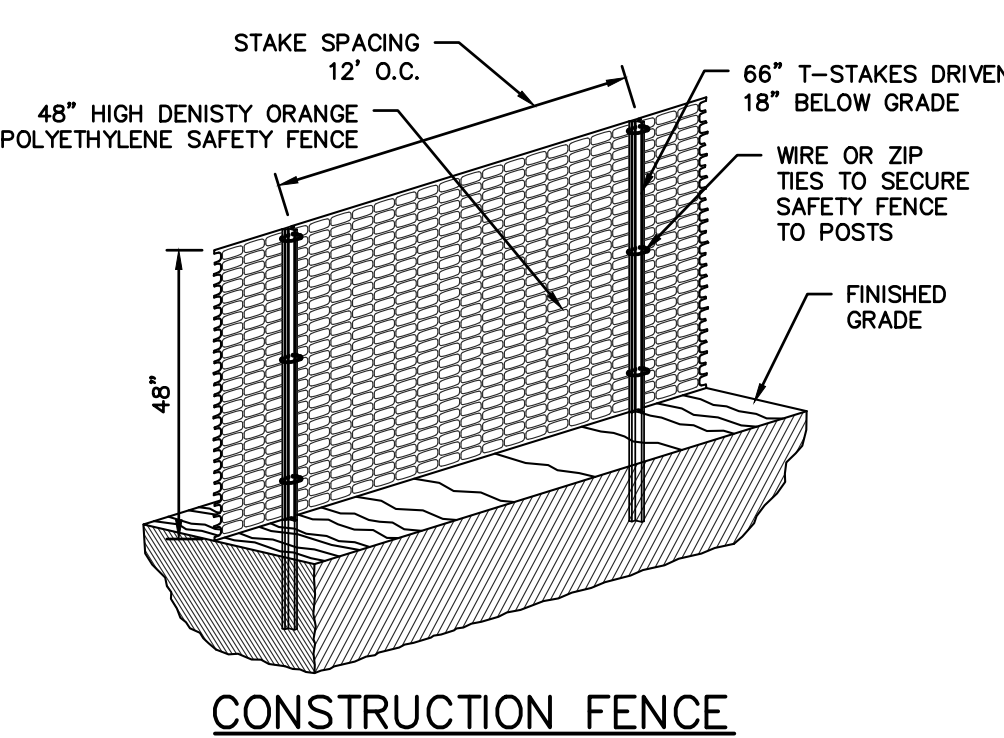
**SILT FENCE**



- INSTALLATION NOTES:**
1. EXCAVATE A 4 INCH \* 4 INCH TRENCH ALONG THE LOWER PERIMETER OF THE SITE.
  2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH (NET SIDE AWAY FROM DIRECTION OF FLOW).
  3. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM THE TRENCH BOTTOM.
  4. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH. BACKFILL THE TRENCH AND TAMP THE SOIL. STEEPER SLOPES REQUIRE AN INTERCEPT.
  5. JOIN SECTIONS AS SHOWN ABOVE.

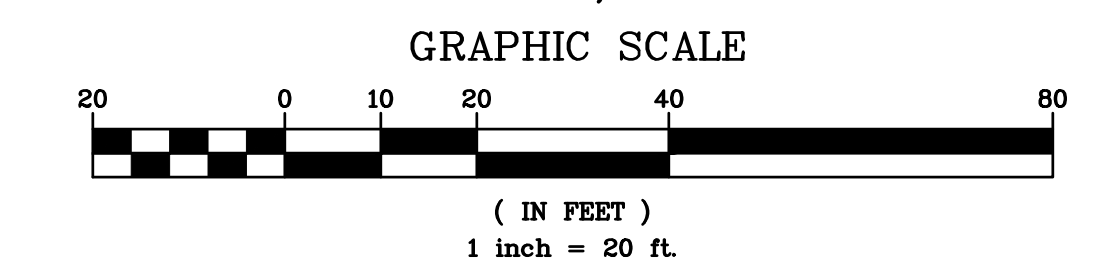
**LEGEND**

PROPERTY LINE	---
PROPOSED CONTOUR	-522-
PROPOSED SPOT GRADE	+522.62
PROPOSED STORM PIPE	---
PROPOSED DRAIN INLET	⊗
PROPOSED CHANNEL DRAIN	---
EXISTING SANITARY SEWER SERVICE	SS
TEMPORARY INLET PROTECTION	⊗ IP
TEMPORARY SILT FENCE	- X - X - SF
TEMPORARY CONSTRUCTION FENCE	⊗ CF
TEMPORARY SOIL STOCKPILE AREA	⊕
TEST PIT LOCATION	TP-1
PROPOSED LIMIT OF DISTURBANCE	---



**CONSTRUCTION FENCE**

24 WINDMILL PLACE EROSION & SEDIMENT CONTROL PLAN BASED UPON EXISTING INFORMATION PROVIDED BY TC MERRITTS LAND SURVEYORS, P.C., DATED OCTOBER 10, 2014.



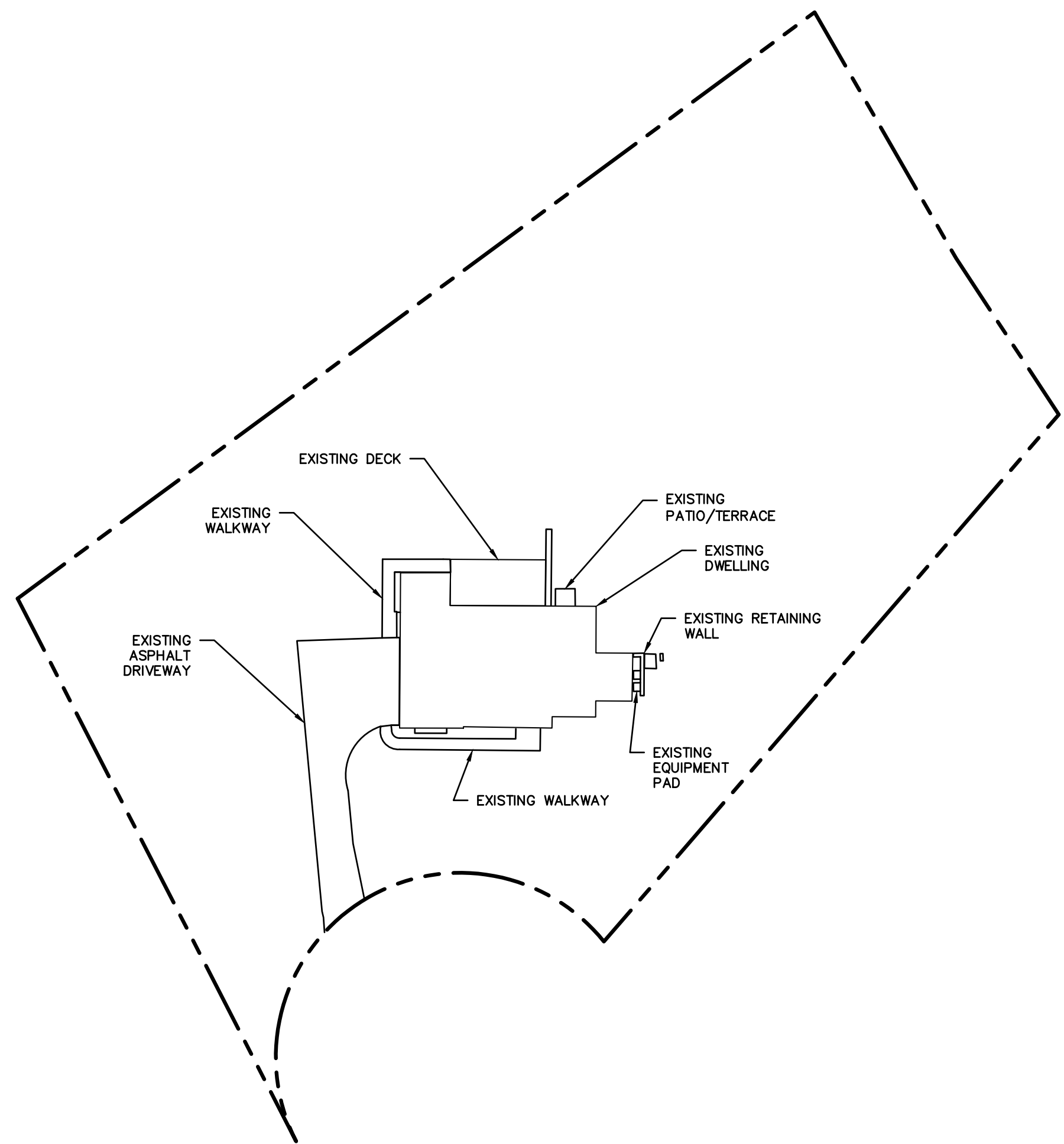
PROJECT: <b>PROPOSED POOL &amp; ALTERATIONS          24 WINDMILL PLACE          TOWN OF NORTH CASTLE          WESTCHESTER COUNTY - NEW YORK</b>		
		<b>EROSION &amp; SEDIMENT CONTROL PLAN</b>
		<b>HUDSON ENGINEERING &amp; CONSULTING, P.C.</b> 45 Knollwood Road, Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086
		Date: 03/06/21 Scale: 1" = 20' Designed By: N.S. Checked By: M.S. Sheet No. 3

ANY ALTERATIONS OR REVISIONS OF THESE PLANS, UNLESS DONE BY OR UNDER THE DIRECTION OF THE NYS LICENSED AND REGISTERED ENGINEER THAT PREPARED THEM, IS A VIOLATION OF THE NYS EDUCATION LAW.

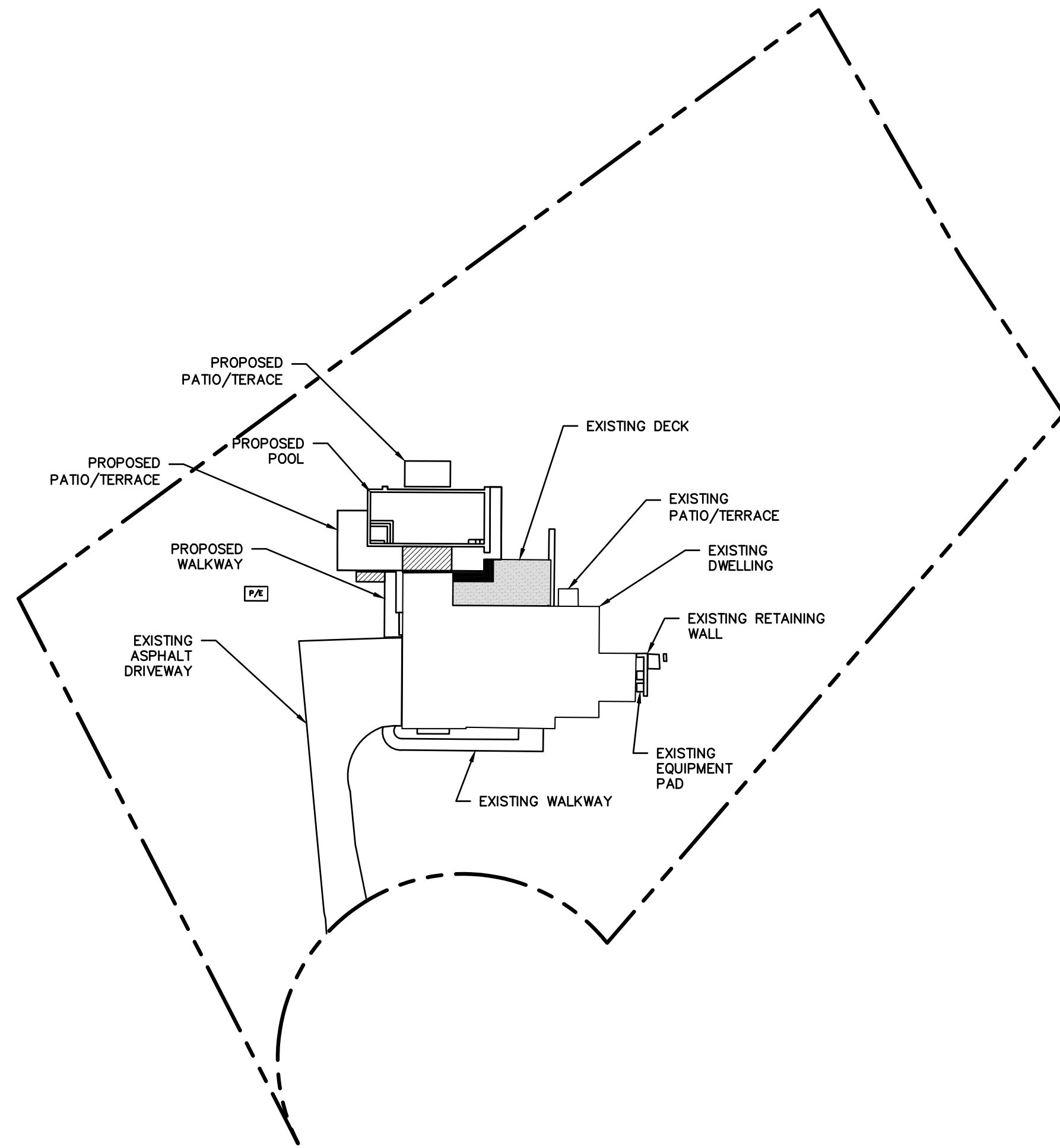






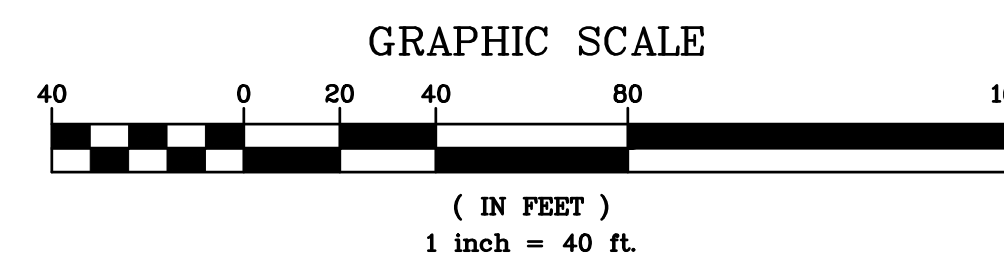


LOT COVERAGE CALCULATIONS (EXISTING)	
SHEET: 102.01	BLOCK: 01 LOT: 17
ZONE: R-1.5	EXISTING (sf)
LOT AREA:	65,536.50
DWELLING:	3,328.00
DECK:	553.73
DRIVEWAYS & WALKWAYS:	2,497.36
TERRACES:	41.42
OTHER STRUCTURES:	97.05
<b>TOTAL COVERAGE:</b>	<b>6,517.56</b>



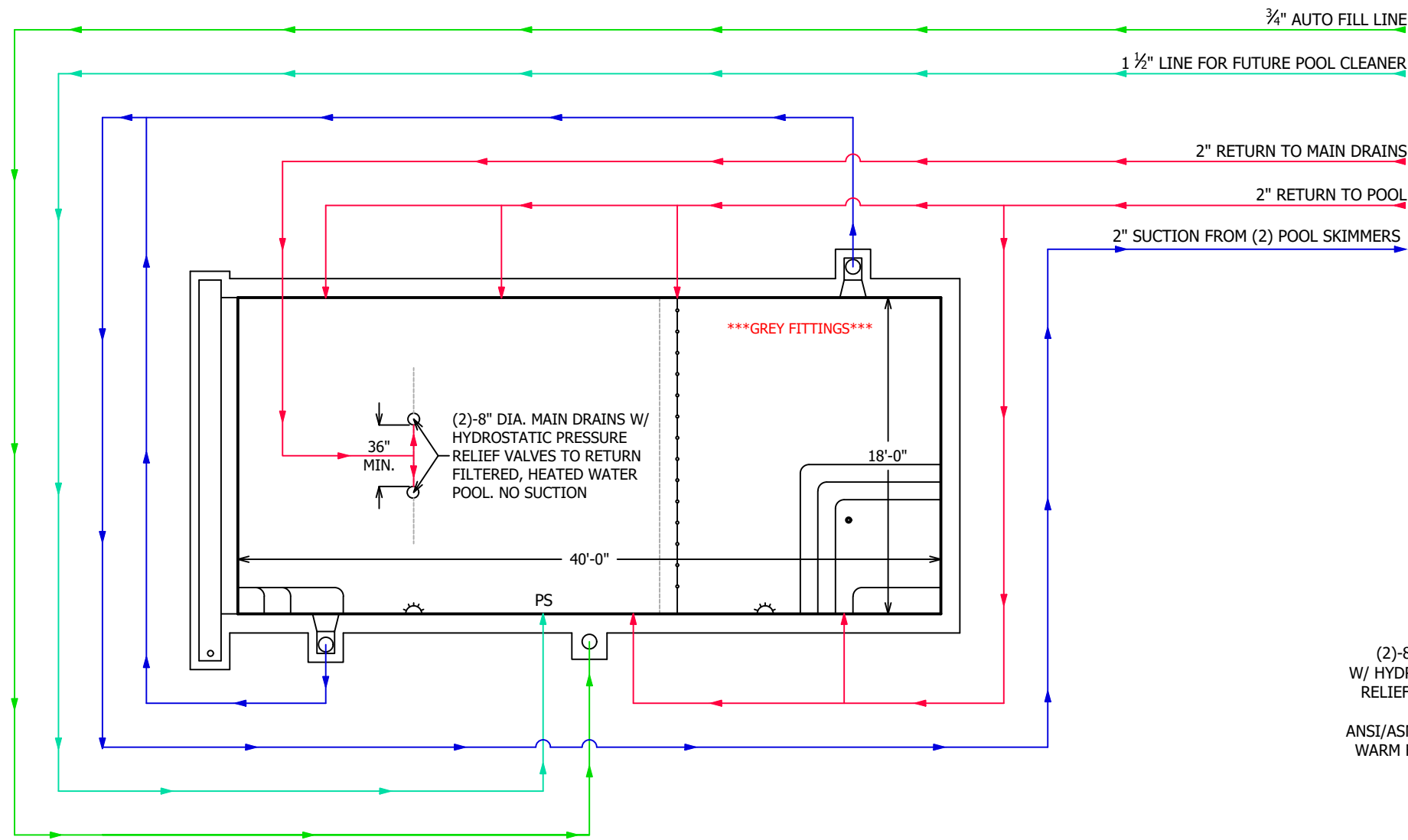
LOT COVERAGE CALCULATIONS (PROPOSED)	
SHEET: 102.01	BLOCK: 01 LOT: 17
ZONE: R-1.5	EXISTING (sf)
LOT AREA:	65,536.50
DWELLING:	3,328.00
DECK:	443.16
DRIVEWAYS & WALKWAYS:	2,599.01
TERRACES:	289.42
POOL/MECH. EQUIPMENT:	760.00
ALL OTHER STRUCTURES:	877.73
<b>TOTAL COVERAGE:</b>	<b>8,297.32</b>

24 WINDMILL PLACE LOT COVERAGE  
PLAN BASED UPON EXISTING  
INFORMATION PROVIDED BY TC MERRITTS  
LAND SURVEYORS, P.C., DATED  
OCTOBER 10, 2014.

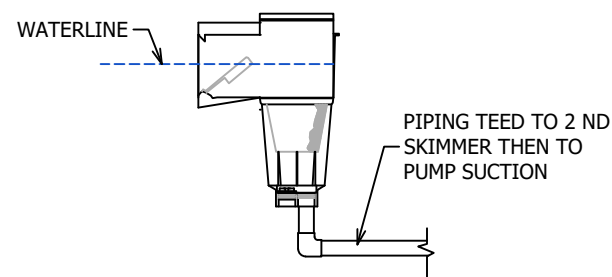


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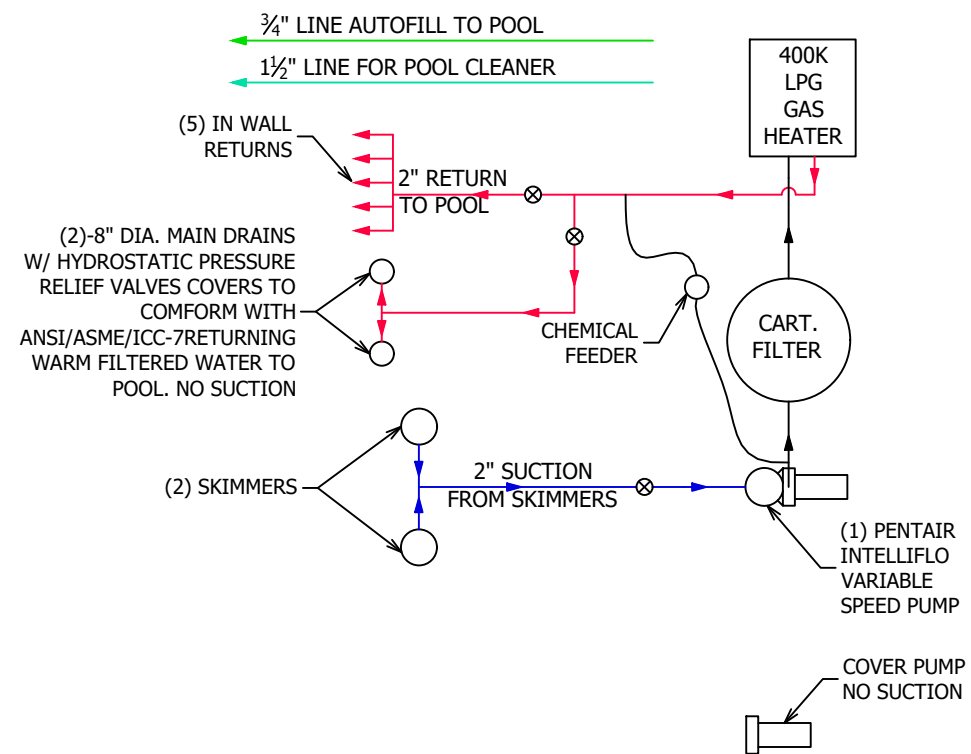
No. _____ Description _____ Revisions _____ Date _____	PROJECT: <b>PROPOSED POOL &amp; ALTERATIONS</b> <b>24 WINDMILL PLACE</b> <b>TOWN OF NORTH CASTLE</b> <b>WESTCHESTER COUNTY – NEW YORK</b>	
	<b>LOT COVERAGE PLAN</b>	
	<b>HUDSON</b> ENGINEERING & <b>HEC</b> CONSULTING, P.C. 45 Knollwood Road, Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086 © 2021	
	Date: 04/07/21 Sheet: 3 Scale: 1" = 20' Designed By: N.S. Checked By: M.S. <b>C-3</b>	



① POOL FILTER PLUMBING  
1/8" = 1'-0"



② TYP. DETAIL (2) POOL SKIMMERS  
N.T.S.



③ POOL PLUMBING SCHEMATIC  
N.T.S.

- NOTES**
1. THE ENGINEER IS RESPONSIBLE FOR THE CONTENTS OF THIS DRAWING ONLY AND NOT ANY OTHER DOCUMENTS SUBMITTED IN SUPPORT OF THIS APPLICATION. THE ENGINEER HAS NOT REVIEWED ZONING CRITERIA AND PERMITTING REQUIREMENTS AND SHALL BE INDEMNIFIED AGAINST ALL DAMAGES ARISING FROM NON COMPLIANCE WITH ZONING AND PERMITTING REQUIREMENTS.
  2. THE POOL SHALL BE WIRED AND GROUNDED IN STRICT ACCORDANCE WITH NFPA-70 AND THE ADOPTED LOCAL ELECTRICAL CODE.
  3. ELECTRICAL EQUIPMENT AND MATERIAL SHALL BE LISTED BY UNDERWRITERS LABORATORIES (U.L. - LISTED) FOR THE USE INTENDED. PANEL ENCLOSURES FOR OUTDOOR USE SHALL BE NEMA 2 IF EXPOSED TO PRECIPITATION ONLY, OR NEMA 4 IF EXPOSED TO CONCENTRATED SPRAY.
  4. CONCRETE CYLINDER STRENGTH SHALL BE A MINIMUM OF 3000 PSI AFTER 28 DAYS. REINFORCING STEEL SHALL BE GRADE A-60.
  5. THE ENGINEER HAS NOT REVIEWED SUBSURFACE CONDITIONS, UNLESS NOTED ON THESE PLANS. THE ENGINEER SHALL BE INDEMNIFIED AGAINST ALL DAMAGES ARISING FROM SUBSURFACE CONDITIONS.
  6. LIGHTING W.P. RECEPTICLES, CIRCULATION PUMP(S), CHEMICALS FEEDER(S) AND ALL OTHER ELECTRICALLY POWERED EQUIPMENT SHALL BE MANUFACTURER APPROVED FOR SPA AND SWIMMING POOL USE AND SHALL BE WIRED AND GROUNDED BY A LICENSED ELECTRICIAN IN ACCORDANCE WITH THE MOST STRINGENT REQUIREMENTS OF THE MANUFACTURER, GOVERNING LOCAL ELECTRICAL CODE AND NFPA -70 (NATIONAL ELECTRICAL CODE NEC) LATEST EDITION.
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  8. RETURNS, SKIMMERS, AND SUCTION GRATES MAY BE RELOCATED PER FIELD LAYOUT.
  9. ALL SUBMERGED SECTION OUTLETS TO BE SEPARATED BY A MINIMUM OF 36" AND TEED IN TOGETHER.
  10. THIS POOL IS NOT APPROVED FOR DIVING.
  11. THIS POOL HAS BEEN DESIGNED IN ACCORDANCE WITH ANSI/APSP/ICC-5 2011 STANDARD FOR RESIDENTIAL INGROUND SWIMMING POOLS AND 2015 INTERNATIONAL RESIDENTIAL CODE SECTIONS R326.4.1 THROUGH R326.4.3.
  12. THIS SPA HAS BEEN DESIGNED IN ACCORD WITH ANSI/NSPI-3-99 STANDARD FOR PERMANENTLY INSTALLED RESIDENTIAL SPAS.
  13. THE POOL AND SPA HAS BEEN DESIGNED IN ACCORDANCE WITH ANSI/APSP-7-06 STANDARD FOR SUCTION ENTRAPMENT AVOIDANCE IN SWIMMING POOLS, WADING POOLS, SPAS, HOT TUBS AND CATCH BASINS.
  14. THE AUTOMATIC POOL COVER MEETS ASTM 1346-91 (2003) PERFORMANCE SPECIFICATION FOR SAFETY COVERS AND LABELING REQUIREMENTS FOR ALL COVERS FOR SWIMMING POOLS, SPAS AND HOT TUBS.

PLUMBING SCHEMATIC FOR THE

**FERN RESIDENCE**

24 WINDMILL PLACE  
ARMONK, NY

**SHORELINE POOLS**

393 WEST AVE  
STAMFORD, CT 06902  
TEL. (203) 967-1203

LICENSES: NJ: 13W402627600 CT: 0508652  
Westchester: WC02092 Rockland: R-11107-26-00 Putnam: 1832

DRAWN BY:

LL

DATE:

11-05-2020

SCALE:

AS NOTED

DWG LOCATION:

2020 NY POOL

FILE NUMBER:

20-071-NOV

DWG:

P-1





# SHORELINE POOLS

393 WEST AVE  
STAMFORD, CT 06902  
TEL. (203) 967-1203

LICENSES: NJ: 13VH02627600 CT: 0508652  
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THIS DRAWING IS THE PROPERTY OF SHORELINE POOLS, INC. UNDER NO CIRCUMSTANCE IS THIS DRAWING TO BE UTILIZED WITHOUT PROPER CONSENT FROM SHORELINE POOLS, INC.



CARL RUSPINI P.E.  
CONSULTING ENGINEER  
CT LIC No: 11426 NY LIC No: 056746

SWIMMING POOL DETAILS  
FOR THE

## FERN RESIDENCE

24 WINDMILL PLACE  
ARMONK, NY

DRAWN BY:

LL

DATE:

11-05-2020

SCALE:

AS NOTED

DWS LOCATION:

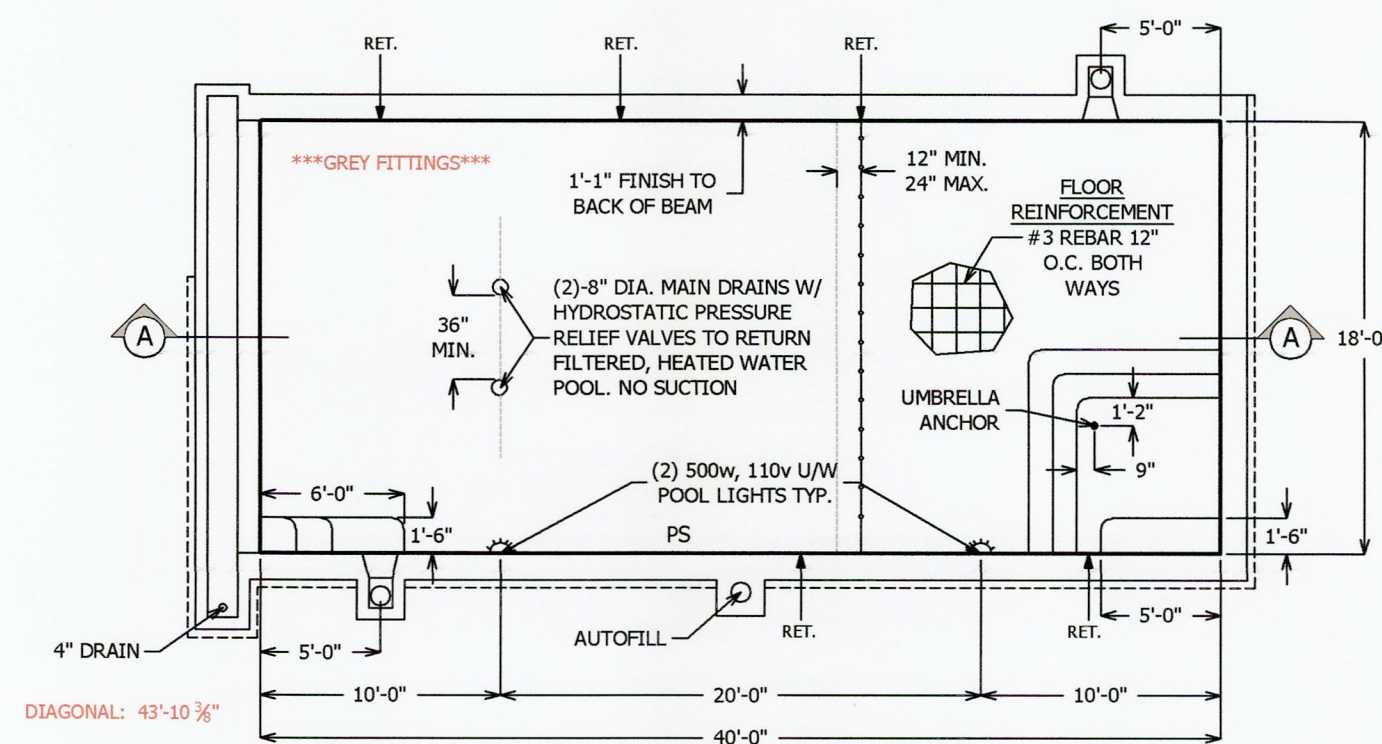
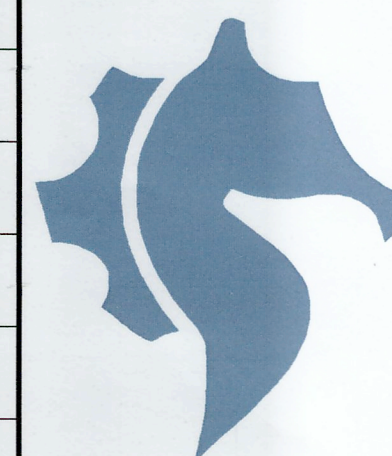
2020 NY POOL

FILE NUMBER:

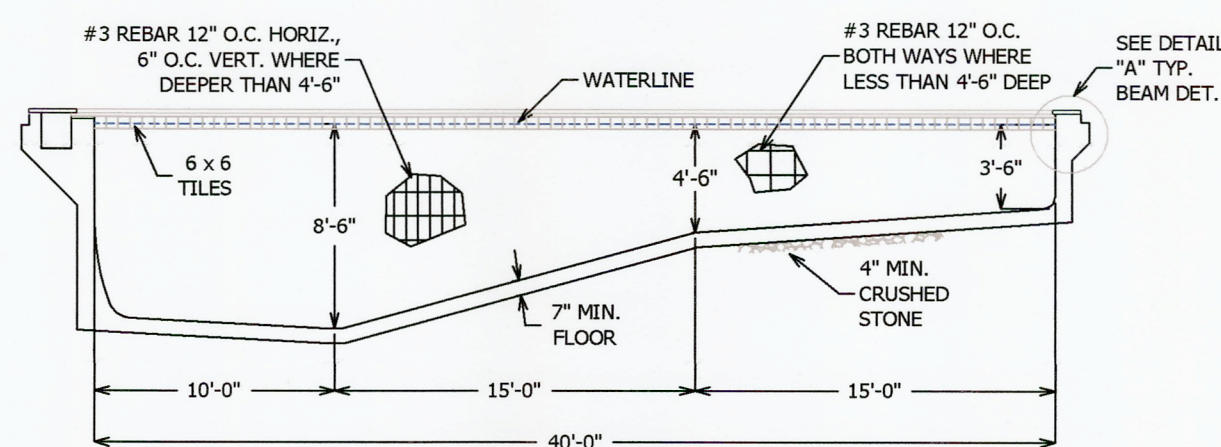
20-071-NOV

DWS:

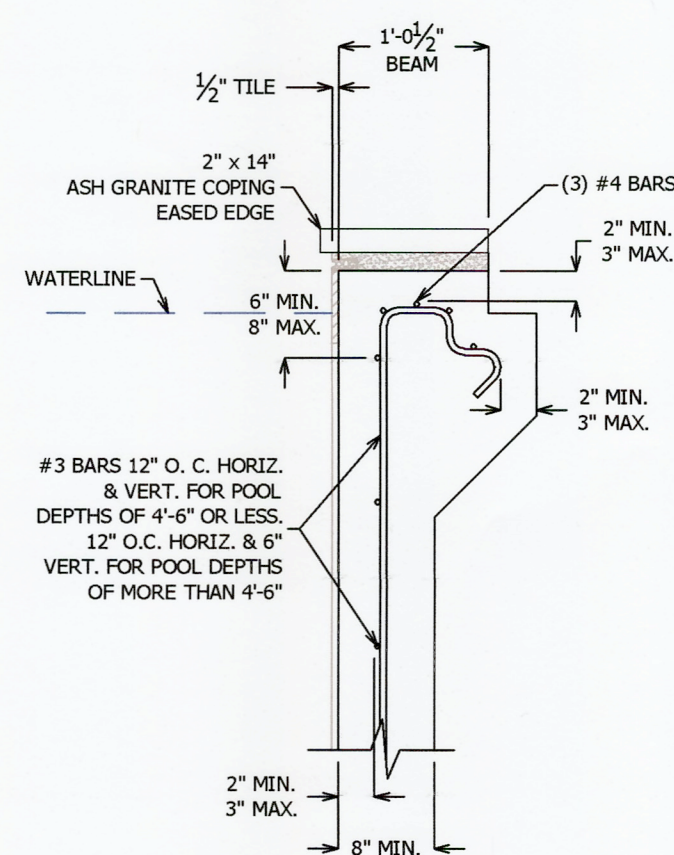
S-1



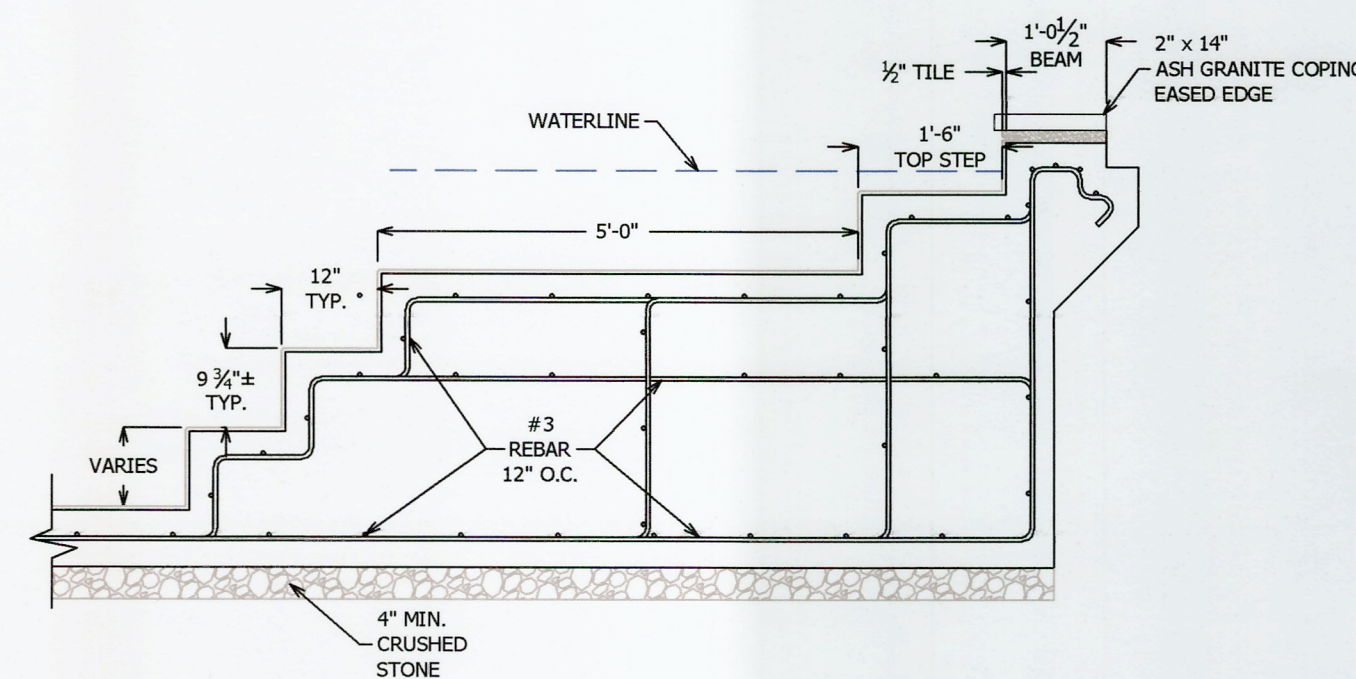
1 PLAN VIEW  
1/8" = 1'-0"



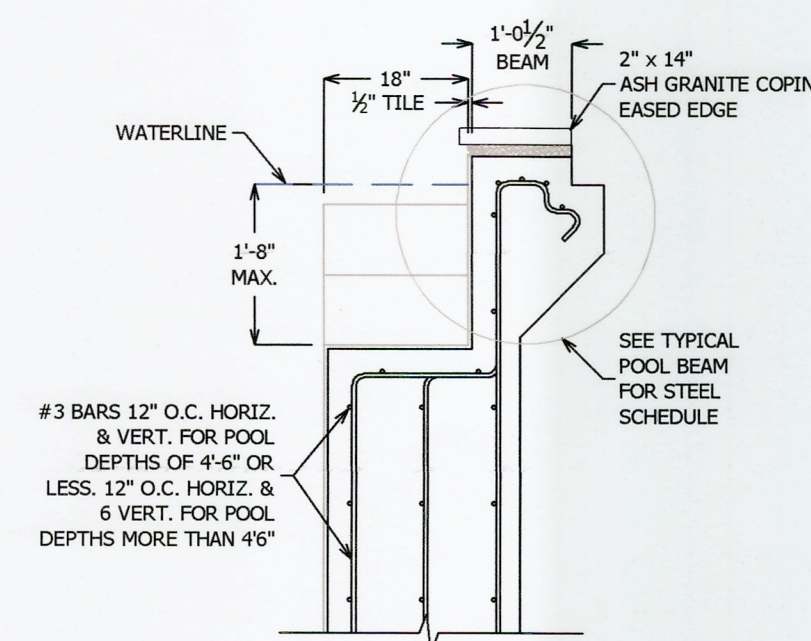
2 SECTION "A-A"  
1/8" = 1'-0"



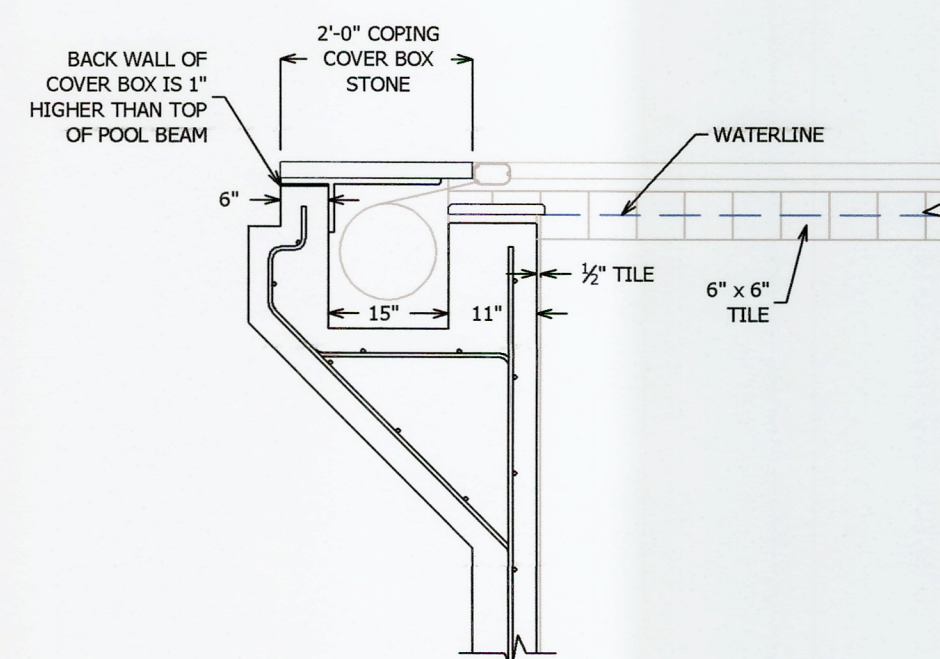
3 DETAIL "A" TYPICAL BEAM  
3/4" = 1'-0"



4 TYP. SEC @ STEPS  
1/2" = 1'-0"



5 TYP. SEC. @ SWIMOUT BENCH  
1/2" = 1'-0"



6 TYP. SEC. @ COVERBOX  
1/2" = 1'-0"

POOL AREA = 720 SQ. FT.  
POOL PERIM. = 116 LF



# **STORMWATER MANAGEMENT PLAN & DRAINAGE ANALYSIS**

**24 Windmill Place  
Town of North Castle - New York**

**March 6, 2021**



**Hudson Engineering & Consulting, P.C.**

*45 Knollwood Road - Suite 201*

*Elmsford, NY 10523*

*(914) 909-0420*



**STORMWATER MANAGEMENT  
PLAN & DRAINAGE ANALYSIS  
24 Windmill Place  
Town of North Castle - New York**

***INTRODUCTION***

This Stormwater Management Plan presents the proposed Best Management Practices (BMPs) to control erosion and sedimentation and manage stormwater during and upon construction of a pool and patio on a 1.5 Acre lot at 24 Windmill Place, Armonk [SBL:102.01-1-17] in the Town of North Castle, Westchester County, New York.

This Plan consists of this narrative and a plan set entitled: “Proposed Pool & Alterations, 24 Windmill Place, Town of North Castle, Westchester County - New York”, all as prepared by Hudson Engineering and Consulting, P.C., Elmsford, New York, latest date March 6, 2021. The design is in accordance with the Town of North Castle’s requirements. The approximate area of the limits of disturbance is 0.24-acres. Since the project disturbance is less than one acre the New York State Department of Environmental Conservation [NYSDEC] stormwater regulations are not applicable.

***METHODOLOGY***

The stormwater analysis was developed utilizing the Soil Conservation Service (SCS) TR-20, 24-hour Type III storm events (HydroCad®) to assist with the design of the mitigating practices. The “Complex Number” (CN) value determination is based on soil type, vegetation and land use. The design is in accordance with the Town of North Castle’s stormwater regulations. The “Time of Concentration” (T<sub>c</sub>) was determined as a direct entry of one-minute. The CN and T<sub>c</sub> data are input into the computer model. The project site was modeled for the 25-year Type III – 24-hour storm event.

***PRE-DESIGN INVESTIGATIVE ANALYSIS***

A pre-design investigative analysis was performed including percolation and deep hole tests in the locations shown on the plans. A series of percolation tests were performed in the vicinity of the potential stormwater mitigation practice [TP-1] and [TP-2] until constant rates were achieved, their results as follows:

- TP-1: A percolation rate of 3-minutes per inch (20-inches per hour) was observed. A rate of 15-inches per hour was utilized in the design.

One (1) deep test hole was excavated and labeled TP-1 as shown on the plans.



- TP-1 was excavated to a depth of 78-inches. The test revealed topsoil to a depth of 6-inches, loosely compacted brown, sandy loam, very rocky to the invert. No groundwater was observed. Ledge rock was encountered at 78-inches.

*The deep test hole log and percolation test data sheets are attached.*

### **PRE-DEVELOPED CONDITION**

In the pre-developed condition, the site is characterized as sloping from southwest to east. The soil classification based upon Westchester County Soils Mapping is primarily of Charlton-Chatfield complex, 0 to 15 and 15 to 35 percent slopes, very rocky. The site vegetation can be characterized as lawn and landscaped. All rock out cropping located on the site has been called out on the existing conditions map. The site is located at the north end of the cul de sac on Windmill Place. The site consists of an existing dwelling, stone walkways, asphalt driveway and wooden deck.

### **POST-DEVELOPED CONDITION**

The proposed pool and patio were modeled as one watershed, Watershed 1. Watershed 1 was analyzed as follows:

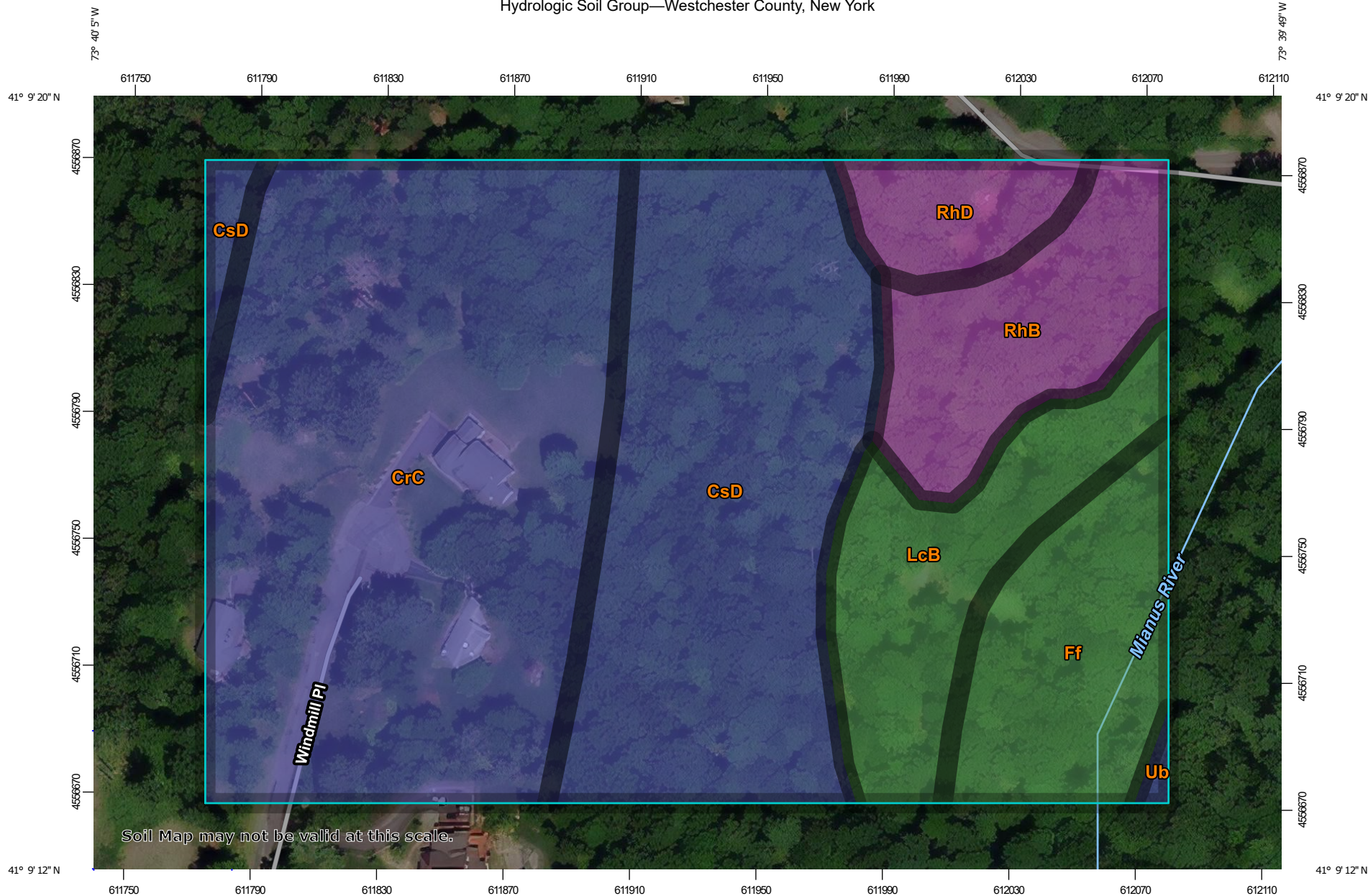
*Watershed 1* contains approximately 1,688 square feet of impervious area consisting of the proposed pool and patio. The weighted Complex Number (CN) value for this area is 98 and the Time of Concentration (Tc) is calculated as a direct entry of 1 minute. The stormwater runoff from this tributary area is conveyed via a comprehensive drainage system to Six (6) Cultec® 100HD stormwater chambers set in one foot of gravel at the sides and twelve inches of gravel at the invert. The system is designed to fully accept (no release) the entire stormwater runoff volume for the 25-year storm event from the watershed and ex-filtrate the runoff into the surrounding soil sub-strata.

### **CONCLUSION:**

The stormwater management plan meets all the requirements set forth by the Town of North Castle. Design modification requirements that may occur during the approval process will be performed and submitted for review to the Town of North Castle



Hydrologic Soil Group—Westchester County, New York



Map Scale: 1:1,720 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84





### MAP LEGEND

**Area of Interest (AOI)**









 Area of Interest (AOI)

**Soils**

**Soil Rating Polygons**





-  A
-  A/D
-  B
-  B/D
-  C
-  C/D
-  D
-  Not rated or not available

**Soil Rating Lines**

-  A
-  A/D
-  B
-  B/D
-  C
-  C/D
-  D
-  Not rated or not available

**Soil Rating Points**






-  A
-  A/D
-  B
-  B/D

-  C
-  C/D
-  D
-  Not rated or not available

**Water Features**

 Streams and Canals

**Transportation**

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

**Background**

 Aerial Photography

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

**Warning:** Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL:  
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Westchester County, New York  
 Survey Area Data: Version 16, Jun 11, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 31, 2009—Oct 16, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



## Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
CrC	Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky	B	6.1	39.6%
CsD	Chatfield-Charlton complex, 15 to 35 percent slopes, very rocky	B	4.2	27.5%
Ff	Fluvaquents-Udifuvents complex, frequently flooded	A/D	1.5	9.5%
LcB	Leicester loam, 3 to 8 percent slopes, stony	A/D	1.6	10.2%
RhB	Riverhead loam, 3 to 8 percent slopes	A	1.4	9.0%
RhD	Riverhead loam, 15 to 25 percent slopes	A	0.6	3.8%
Ub	Udorthents, smoothed	B	0.0	0.3%
<b>Totals for Area of Interest</b>			<b>15.3</b>	<b>100.0%</b>



## Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

## Rating Options

*Aggregation Method:* Dominant Condition

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Higher



# Extreme Precipitation Tables

## Northeast Regional Climate Center

Data represents point estimates calculated from partial duration series. All precipitation amounts are displayed in inches.

<b>Smoothing</b>	Yes
<b>State</b>	New York
<b>Location</b>	
<b>Longitude</b>	73.667 degrees West
<b>Latitude</b>	41.154 degrees North
<b>Elevation</b>	0 feet
<b>Date/Time</b>	Wed, 24 Feb 2021 17:34:27 -0500

## Extreme Precipitation Estimates

	5min	10min	15min	30min	60min	120min		1hr	2hr	3hr	6hr	12hr	24hr	48hr		1day	2day	4day	7day	10day	
<b>1yr</b>	0.34	0.52	0.64	0.84	1.05	1.31	<b>1yr</b>	0.91	1.23	1.50	1.86	2.29	2.81	3.18	<b>1yr</b>	2.49	3.06	3.55	4.26	4.90	<b>1yr</b>
<b>2yr</b>	0.40	0.62	0.77	1.02	1.28	1.60	<b>2yr</b>	1.10	1.49	1.84	2.27	2.79	3.42	3.85	<b>2yr</b>	3.03	3.70	4.26	5.04	5.70	<b>2yr</b>
<b>5yr</b>	0.47	0.73	0.92	1.23	1.57	1.99	<b>5yr</b>	1.36	1.83	2.30	2.85	3.51	4.30	4.87	<b>5yr</b>	3.81	4.69	5.43	6.31	7.08	<b>5yr</b>
<b>10yr</b>	0.53	0.83	1.04	1.42	1.84	2.35	<b>10yr</b>	1.59	2.15	2.72	3.39	4.17	5.11	5.83	<b>10yr</b>	4.52	5.60	6.53	7.49	8.34	<b>10yr</b>
<b>25yr</b>	0.61	0.97	1.24	1.71	2.28	2.94	<b>25yr</b>	1.96	2.65	3.42	4.27	5.27	6.43	7.38	<b>25yr</b>	5.69	7.10	8.34	9.40	10.37	<b>25yr</b>
<b>50yr</b>	0.69	1.11	1.42	1.99	2.68	3.48	<b>50yr</b>	2.31	3.12	4.06	5.08	6.27	7.65	8.84	<b>50yr</b>	6.77	8.50	10.05	11.16	12.22	<b>50yr</b>
<b>100yr</b>	0.78	1.27	1.63	2.31	3.15	4.13	<b>100yr</b>	2.72	3.66	4.83	6.06	7.47	9.12	10.58	<b>100yr</b>	8.07	10.17	12.10	13.25	14.41	<b>100yr</b>
<b>200yr</b>	0.89	1.45	1.88	2.69	3.72	4.90	<b>200yr</b>	3.21	4.31	5.75	7.23	8.92	10.87	12.68	<b>200yr</b>	9.62	12.19	14.59	15.74	17.00	<b>200yr</b>
<b>500yr</b>	1.06	1.74	2.27	3.30	4.63	6.14	<b>500yr</b>	3.99	5.34	7.24	9.11	11.26	13.72	16.10	<b>500yr</b>	12.14	15.48	18.68	19.77	21.16	<b>500yr</b>

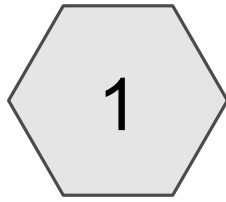
## Lower Confidence Limits

	5min	10min	15min	30min	60min	120min		1hr	2hr	3hr	6hr	12hr	24hr	48hr		1day	2day	4day	7day	10day	
<b>1yr</b>	0.26	0.39	0.48	0.65	0.80	0.96	<b>1yr</b>	0.69	0.94	1.28	1.60	2.00	2.58	2.81	<b>1yr</b>	2.28	2.70	3.23	3.77	4.20	<b>1yr</b>
<b>2yr</b>	0.39	0.60	0.74	1.01	1.24	1.49	<b>2yr</b>	1.07	1.45	1.70	2.17	2.74	3.32	3.74	<b>2yr</b>	2.94	3.59	4.13	4.88	5.54	<b>2yr</b>
<b>5yr</b>	0.43	0.66	0.82	1.13	1.43	1.74	<b>5yr</b>	1.24	1.70	1.97	2.57	3.20	3.95	4.50	<b>5yr</b>	3.49	4.33	5.00	5.80	6.56	<b>5yr</b>
<b>10yr</b>	0.46	0.71	0.88	1.23	1.59	1.96	<b>10yr</b>	1.38	1.92	2.22	2.92	3.63	4.51	5.17	<b>10yr</b>	3.99	4.97	5.76	6.57	7.44	<b>10yr</b>
<b>25yr</b>	0.50	0.76	0.95	1.35	1.78	2.27	<b>25yr</b>	1.53	2.22	2.58	3.46	4.27	5.33	6.22	<b>25yr</b>	4.72	5.99	6.94	7.76	8.77	<b>25yr</b>
<b>50yr</b>	0.52	0.80	0.99	1.42	1.92	2.53	<b>50yr</b>	1.65	2.47	2.91	3.94	4.83	6.05	7.17	<b>50yr</b>	5.36	6.90	7.97	8.76	9.92	<b>50yr</b>
<b>100yr</b>	0.55	0.83	1.04	1.51	2.07	2.80	<b>100yr</b>	1.79	2.74	3.28	4.50	5.43	6.87	8.26	<b>100yr</b>	6.08	7.94	9.15	9.89	11.23	<b>100yr</b>
<b>200yr</b>	0.58	0.87	1.11	1.60	2.24	3.12	<b>200yr</b>	1.93	3.05	3.69	5.16	6.16	7.77	9.50	<b>200yr</b>	6.88	9.14	10.52	11.11	12.71	<b>200yr</b>
<b>500yr</b>	0.62	0.92	1.18	1.72	2.44	3.60	<b>500yr</b>	2.11	3.52	4.35	6.22	7.28	9.15	11.43	<b>500yr</b>	8.10	10.99	12.61	12.94	14.95	<b>500yr</b>

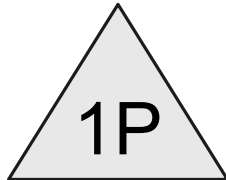
## Upper Confidence Limits

	5min	10min	15min	30min	60min	120min		1hr	2hr	3hr	6hr	12hr	24hr	48hr		1day	2day	4day	7day	10day	
<b>1yr</b>	0.37	0.58	0.70	0.94	1.16	1.40	<b>1yr</b>	1.00	1.37	1.59	2.07	2.61	3.03	3.42	<b>1yr</b>	2.68	3.29	3.83	4.59	5.31	<b>1yr</b>
<b>2yr</b>	0.43	0.66	0.82	1.10	1.36	1.58	<b>2yr</b>	1.18	1.55	1.81	2.31	2.89	3.55	3.99	<b>2yr</b>	3.14	3.84	4.43	5.25	5.91	<b>2yr</b>
<b>5yr</b>	0.51	0.79	0.98	1.35	1.71	2.01	<b>5yr</b>	1.48	1.97	2.32	2.97	3.70	4.66	5.25	<b>5yr</b>	4.12	5.05	5.87	6.84	7.62	<b>5yr</b>
<b>10yr</b>	0.61	0.93	1.15	1.61	2.08	2.42	<b>10yr</b>	1.80	2.37	2.82	3.59	4.50	5.75	6.48	<b>10yr</b>	5.09	6.23	7.30	8.39	9.26	<b>10yr</b>
<b>25yr</b>	0.77	1.17	1.45	2.07	2.73	3.12	<b>25yr</b>	2.35	3.05	3.65	4.63	5.80	7.59	8.58	<b>25yr</b>	6.72	8.25	9.75	11.01	11.99	<b>25yr</b>
<b>50yr</b>	0.91	1.39	1.73	2.48	3.34	3.79	<b>50yr</b>	2.89	3.71	4.44	5.60	7.04	9.39	10.62	<b>50yr</b>	8.31	10.21	12.17	13.54	14.59	<b>50yr</b>
<b>100yr</b>	1.10	1.66	2.08	3.00	4.12	4.61	<b>100yr</b>	3.56	4.51	5.40	6.80	8.77	11.64	13.14	<b>100yr</b>	10.30	12.64	15.20	16.67	17.76	<b>100yr</b>
<b>200yr</b>	1.32	1.99	2.52	3.64	5.08	5.61	<b>200yr</b>	4.38	5.48	6.57	8.22	10.70	14.44	16.28	<b>200yr</b>	12.78	15.65	18.97	20.53	21.65	<b>200yr</b>
<b>500yr</b>	1.71	2.54	3.27	4.75	6.75	7.25	<b>500yr</b>	5.82	7.08	8.53	10.59	13.93	19.20	21.62	<b>500yr</b>	16.99	20.79	25.50	27.12	28.10	<b>500yr</b>

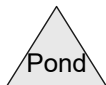
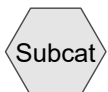




Proposed Pool & Patio



6 Cultec 100 HD





**24 Windmill - Proposed Condition**

Type III 24-hr 25-Year Rainfall=6.47"

Prepared by Hudson Engineering & Consulting, P.C.

Printed 3/6/2021

HydroCAD® 10.00-12 s/n 02549 © 2014 HydroCAD Software Solutions LLC

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**Summary for Subcatchment 1: Proposed Pool & Patio**

Runoff = 0.29 cfs @ 12.01 hrs, Volume= 0.020 af, Depth= 6.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs  
Type III 24-hr 25-Year Rainfall=6.47"

	Area (sf)	CN	Description
*	1,544	98	Proposed Pool & Patio
*	144	98	Proposed Patio
	1,688	98	Weighted Average
	1,688		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.0					Direct Entry, Direct Entry

**Summary for Pond 1P: 6 Cultec 100 HD**

Inflow Area = 0.039 ac, 100.00% Impervious, Inflow Depth = 6.23" for 25-Year event  
 Inflow = 0.29 cfs @ 12.01 hrs, Volume= 0.020 af  
 Outflow = 0.07 cfs @ 11.72 hrs, Volume= 0.020 af, Atten= 75%, Lag= 0.0 min  
 Discarded = 0.07 cfs @ 11.72 hrs, Volume= 0.020 af

Routing by Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs  
 Peak Elev= 1.49' @ 12.32 hrs Surf.Area= 213 sf Storage= 133 cf

Plug-Flow detention time= 7.4 min calculated for 0.020 af (100% of inflow)  
 Center-of-Mass det. time= 7.4 min ( 746.8 - 739.4 )

Volume	Invert	Avail.Storage	Storage Description
#1A	0.00'	104 cf	<b>8.50'W x 25.00'L x 2.04'H Field A</b> 434 cf Overall - 86 cf Embedded = 348 cf x 30.0% Voids
#2A	1.00'	86 cf	<b>Cultec C-100HD</b> x 6 Inside #1 Effective Size= 32.1"W x 12.0"H => 1.86 sf x 7.50'L = 14.0 cf Overall Size= 36.0"W x 12.5"H x 8.00'L with 0.50' Overlap Row Length Adjustment= +0.50' x 1.86 sf x 2 rows
		190 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	<b>15.000 in/hr Exfiltration over Surface area</b>

**Discarded OutFlow** Max=0.07 cfs @ 11.72 hrs HW=0.02' (Free Discharge)  
 ↑**1=Exfiltration** (Exfiltration Controls 0.07 cfs)





SITE ADDRESS: 24 Windmill Place

TOWN/VILLAGE: North Castle (Armonk)

DATE: 01-28-2021 TIME: 9:30am

WEATHER: Sunny TEMP. 27° F

WITNESSED BY: Nicholas Shirriah

**DEEP TEST HOLE DATA SHEET – STORMWATER MANAGEMENT SYSTEM**

DEPTH	HOLE NO. <u>1</u>	HOLE NO. <u>2</u>	HOLE NO. <u>3</u>	HOLE NO. <u>4</u>
G.L.	<u>0 – 6"</u>			
6"	<u>Topsoil</u>			
12"				
18"				
24"	<u>6 – 78"</u>			
30"	<u>Loosely Compact</u>			
36"	<u>Brown, Sandy</u>			
42"	<u>Loam, very rocky</u>			
48"				
54"	<u>Ledge @ 78"</u>			
60"	<u>No GW</u>			
66"				
72"				
78"				
84"				
90"				
96"				
102"				
108"				

- Indicate level at which Ground Water (GW), Mottling and/or Ledge Rock is encountered.
- Indicate level for which water level rises after being encountered.

EXCAVATION PERFORMED BY: Precision Field Testing



SITE ADDRESS: 24 Windmill Place

TOWN/VILLAGE: North Castle (Armonk)

DATE: 01-28-2021 TIME: 9:30am

WEATHER: Sunny TEMP. 27° F

WITNESSED BY: Nicholas Shirriah

**PERCOLATION TEST HOLE DATA SHEET – STORMWATER MANAGEMENT SYSTEM**

Owner \_\_\_\_\_

HOLE #	CLOCK TIME				PERCOLATION					
	Hole Number	Run No.	Start	Stop	Elapse Time (Min.)	Depth to Water From Ground Surface		Water Level in Inches Drop in inches	Soil Rate	
Start Inches						Stop Inches	Min. per inch		Inches per Hour	
# <u>1</u>	1	10:37	10:45	8	28.5	31.5	3	2.67	22.47	
	2	10:46	10:54	8	28	31	3	2.67	22.47	
	4" Ø	3	10:55	11:04	9	28	31	3	3	20
		4								
		5								
# <u>2</u>	1									
	2									
	4" Ø	3								
		4								
		5								
# <u>3</u>	1									
	2									
	4" Ø	3								
		4								
		5								

Notes:

- 1) Tests to be repeated at the same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
- 2) Depth measurements to be made from top of hole





# TOWN OF NORTH CASTLE

WESTCHESTER COUNTY  
17 Bedford Road  
Armonk, New York 10504-1898

RESIDENTIAL PROJECT  
REVIEW COMMITTEE  
Adam R. Kaufman AICP, Chair

Telephone: (914) 273-8625  
Fax: (914) 273-3554  
www.nortcastleny.com

## RESIDENTIAL PROJECT REVIEW COMMITTEE (RPRC) PROCEDURES

The RPRC was created to streamline the residential review process and quickly reviews all residential projects. Projects determined to have no impact are permitted to apply to the Building Department while more complicated projects are directed to the appropriate review board(s).

THE RPRC reviews all applications for residential permits (including, but not limited to, buildings permits, steep slope permits, wetlands permits and pool permits), but excluding permits only relating to interior alterations/renovations.

The RPRC conducts internal meetings on the first and third Tuesday of the month from 3:30 - 4:30 p.m.

To get on an RPRC agenda you must submit the following to the Building Department:

1. Complete all items on the RPRC checklist
2. Completed Building Permit application form.
3. Building Permit Application fee of \$100. Check made payable to: Town of North Castle
4. RPRC Application fee. Check made payable to: Town of North Castle.
5. Floor Area and Gross Land Coverage work sheets (with backup information)
6. Plans for your project according the RPRC Checklist
7. Submit three individual sets of everything listed above to the Building Dept.

Once your application has been submitted to the Building Department, you may follow your application on the RPRC webpage located at <http://www.northcastleny.com/residential-project-review-committee-rprc>



**Town of North Castle  
Residential Project Review Committee**

17 Bedford Road Armonk, New York 10504  
(914) 273-3542 (914) 273-3554 (fax)

**RPRC COMPLETENESS REVIEW FORM**

*This form represents the standard requirements for a completeness review for all Residential Project Review Committee submissions. Failure to provide all of the information requested will result in a determination that the application is incomplete.*

Project Name on Plan: Proposed Pool & Alterations - 24 Windmill Place

Initial Submittal  Revised Preliminary

Street Location: 24 Windmill Place, Armonk

Zoning District: R-1.5 Property Acreage: 1.50 Tax Map Parcel ID: 102.01-1-17

Date: March 6, 2021

**DEPARTMENTAL USE ONLY**

Date Filed: \_\_\_\_\_ Staff Name: \_\_\_\_\_

**Preliminary Plan Completeness Review Checklist**

Items marked with a "☒" are complete, items left blank "☐" are incomplete and must be completed, "NA" means not applicable.

- 1. Plan prepared by a registered architect or professional engineer
- 2. Aerial photo (Google Earth) showing the applicant's entire property and adjacent properties and streets
- 3. Map showing the applicant's entire property and adjacent properties and streets
- 4. A locator map at a convenient scale
- 5. The proposed location, use and design of all buildings and structures



**RPRC COMPLETENESS REVIEW FORM**

Page 2

- 9. Description of method of water supply and sewage disposal and location of such facilities
- 10. The name and address of the applicant, property owner(s) if other than the applicant and of the planner, engineer, architect, surveyor and/or other professionals engaged to work
- 11. Submission of a Zoning Conformance Table depicting the plan's compliance with the minimum requirements of the Zoning District
- 12. If a tree removal permit is being sought, submission of a plan depicting the location and graphical removal status of all Town-regulated trees within the proposed area of disturbance. In addition, the tree plan shall be accompanied by a tree inventory includes a unique ID number, the species, size, health condition and removal status of each tree.
- 13. If a wetlands permit is being sought, identification of the wetland and the 100-foot wetland buffer.

More information about the items required herein can be obtained from the North Castle Planning Department. A copy of the Town Code can be obtained from Town Clerk or on the North Castle homepage: <http://www.northcastleny.com/townhall.html>

\_\_\_\_\_ On this date, all items necessary for a technical review of the proposed site plan have been submitted and constitute a COMPLETE APPLICATION.



## Town of North Castle Building Department

17 Bedford Road

Armonk, New York 10504-1898

Telephone: (914) 273-3000 ext. 44 Fax: (914) 273-3554

[www.northcastleny.com](http://www.northcastleny.com)

## Residential Building Permit Application

NOTE: TWO (2) SETS OF ALL REQUIRED DOCUMENTS MUST BE SUBMITTED WITH THIS APPLICATION

**Section I-** PROJECT ADDRESS: 24 WINDMILL PLACE DATE: 3/18/21

**Section II-** CONTACT INFORMATION: (Please print clearly. All information must be current.)

APPLICANT: MIGUEL FRAGA

ADDRESS: 393 WEST AVE STAMFORD, CT

PHONE: \_\_\_\_\_ MOBILE: 203-727-3924 EMAIL: mfraga@shorelinepools.com

PROPERTY OWNER: SHARON FERN

ADDRESS: 24 WINDMILL PLACE ARMONK NY

PHONE: \_\_\_\_\_ MOBILE: 917-622-6280 EMAIL: sharon.fern27@gmail.com

**Section III-** DESCRIPTION OF WORK: (Any work conducted outside of the house requires approval from the RPRC unless the proposed action is minor in nature and complies with 355-26 C (3) of the Town of North Castle code.)

PROPOSED construction of a pool and patio and the accompanying stormwater system.

**Section IV-** USE AND OCCUPANCY:

EXISTING/ CURRENT USE: RESIDENTIAL

PROPOSED RESIDENTIAL:

One Family Dwelling  Two Family Dwelling  Townhouse  Detached Accessory Structure

Pool

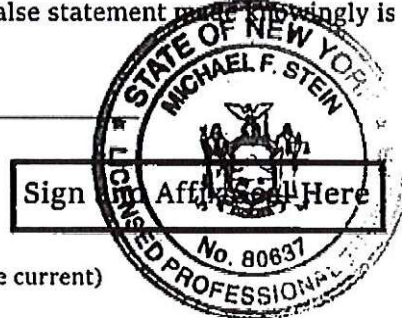


**Town of North Castle Building Department**

**Section V-** (Continued)

I Michael Stein, P.E. do hereby affirm and certify as follows: (i) I am the architect/engineer (circle one) licensed by the State of New York; (ii) I have reviewed the plans, drawings and specifications for this application and am fully familiar with the proposed construction; (iii) based on my experience, I estimate the total cost of construction including all labor, all materials, all professional fees and all associated costs to be approximately \$ 100,000.00, and (iv) pursuant to Penal Law 210.45, I acknowledge that a false statement made knowingly is a Class A misdemeanor.

Signature: [Handwritten Signature] Date: 3/18/21



**Section VI-** CONTACT INFORMATION: (Please print clearly. All information must be current)

**ARCHITECT/ ENG:** Hudson Engineering & Consulting, P.C.  
**ADDRESS:** 45 Knollwood Road, Suite 201, Elmsford, NY 10523  
**PHONE:** 914-909-0420 **MOBILE:** \_\_\_\_\_  
**EMAIL:** michael@hudsonec.com

**CONTRACTOR:** Shoreline Pools  
**ADDRESS:** 393 WEST AVE STAMFORD, CT  
**PHONE:** \_\_\_\_\_ **MOBILE:** 203-727-3924 **EMAIL:** mfrayga@shorelinepools.com

**PLUMBER:** \_\_\_\_\_  
**ADDRESS:** \_\_\_\_\_  
**PHONE:** \_\_\_\_\_ **MOBILE:** \_\_\_\_\_ **EMAIL:** \_\_\_\_\_

**ELECTRICIAN:** \_\_\_\_\_  
**ADDRESS:** \_\_\_\_\_  
**PHONE:** \_\_\_\_\_ **MOBILE:** \_\_\_\_\_ **EMAIL:** \_\_\_\_\_

**Section VII-** APPLICANT CERTIFICATION

**Town of North Castle Building Department**

**Section VIII- AFFIDAVIT OF OWNER AUTHORIZATION IF APPLICABLE: (To be notarized)**

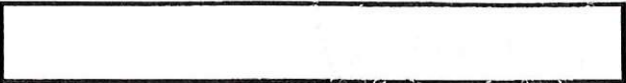
STATE OF NEW YORK }  
COUNTY OF WESTCHESTER } SS:

The applicant MIGUEL FRAGA has proper consent from said owner to make this application as submitted and said owner agrees to all terms and conditions placed upon same.

Owner's Name (PRINT) Sharon Fern Owner's Signature [Signature] SIGN  
HERE

Sworn to before me this 18<sup>th</sup> day of March, 20 21

Notary Signature [Signature]  
Maria E. Palmer  
NOTARY PUBLIC  
State of Connecticut  
My Commission Expires 11/30/22



Notary Stamp Here

**OFFICE USE ONLY - DO NOT WRITE BELOW THIS LINE**

Zone: \_\_\_\_\_ Section: \_\_\_\_\_ Block: \_\_\_\_\_ Lot: \_\_\_\_\_

Building Department Checklist:

Does this permit require RPRC approval?  Yes  No

GC License  Work. Comp.  Liability. Ins.  Disability  Two sets of documents

Permit Fee \_\_\_\_\_ Payment:  Check #: \_\_\_\_\_  Cash  Credit Card

Name on check: \_\_\_\_\_

Received By: \_\_\_\_\_ Application No.: \_\_\_\_\_

**BUILDING INSPECTOR APPROVAL**

Has all the conditions of the RPRC been met?  Yes  NA

Is a Flood Development permit required?  Yes  No





TOWN OF NORTH CASTLE  
WESTCHESTER COUNTY  
17 Bedford Road  
Armonk, New York 10504-1898

PLANNING DEPARTMENT  
Adam R. Kaufman, AICP  
Director of Planning

Telephone: (914) 273-3542  
Fax: (914) 273-3554  
[www.northcastleny.com](http://www.northcastleny.com)

### GROSS LAND COVERAGE CALCULATIONS WORKSHEET

Application Name or Identifying Title: 24 Windmill Place Date: 03-06-2021

Tax Map Designation or Proposed Lot No.: 102.01-1-17

Gross Lot Coverage

- |     |  |                  |
|-----|--|------------------|
| 1.  | Total lot Area (Net Lot Area for Lots Created After 12/13/06):         | <u>65,536.50</u> |
| 2.  | Maximum permitted gross land coverage (per Section 355-26.C(1)(b)):    | <u>11,327.89</u> |
| 3.  | BONUS maximum gross land cover (per Section 355-26.C(1)(b)):           |                  |
|     | Distance principal home is beyond minimum front yard setback           |                  |
|     | <u>1</u> x 10 =  | <u>10</u>        |
| 4.  | TOTAL Maximum Permitted gross land coverage = Sum of lines 2 and 3     | <u>11,427.89</u> |
| 5.  | Amount of lot area covered by principal building:                      |                  |
|     | <u>3328</u> existing + <u>0</u> proposed =                             | <u>3328</u>      |
| 6.  | Amount of lot area covered by accessory buildings:                     |                  |
|     | <u>0</u> existing + <u>0</u> proposed =                                | <u>0</u>         |
| 7.  | Amount of lot area covered by decks:                                   |                  |
|     | <u>553.73</u> existing + <u>443.16</u> proposed =                      | <u>443.16</u>    |
| 8.  | Amount of lot area covered by porches:                                 |                  |
|     | <u>0</u> existing + <u>0</u> proposed =                                | <u>0</u>         |
| 9.  | Amount of lot area covered by driveway, parking areas and walkways:    |                  |
|     | <u>2,497.36</u> existing + <u>101.65</u> proposed =                    | <u>2,599.01</u>  |
| 10. | Amount of lot area covered by terraces:                                |                  |
|     | <u>41.42</u> existing + <u>958</u> proposed =                          | <u>1,009.42</u>  |
| 11. | Amount of lot area covered by tennis court, pool and mechanical equip: |                  |
|     | <u>0</u> existing + <u>40</u> proposed =                               | <u>40</u>        |
| 12. | Amount of lot area covered by all other structures:                    |                  |
|     | <u>97.05</u> existing + <u>780.68</u> proposed =                       | <u>877.73</u>    |



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**GROSS LAND COVERAGE CALCULATIONS WORKSHEET**

Application Name or Identifying Title: 24 Windmill Place Date: 03-06-2021

Tax Map Designation or Proposed Lot No.: 102.01-1-17

Gross Lot Coverage

- |     |  |                  |
|-----|--|------------------|
| 1.  | Total lot Area (Net Lot Area for Lots Created After 12/13/06):         | <u>65,538.50</u> |
| 2.  | Maximum permitted gross land coverage (per Section 355-26.C(1)(b)):    | <u>11,327.89</u> |
| 3.  | BONUS maximum gross land cover (per Section 355-26.C(1)(b)):           |                  |
|     | Distance principal home is beyond minimum front yard setback           |                  |
|     | <u>1</u> x 10 =  | <u>10</u>        |
| 4.  | TOTAL Maximum Permitted gross land coverage = Sum of lines 2 and 3     | <u>11,427.89</u> |
| 5.  | Amount of lot area covered by principal building:                      |                  |
|     | <u>3328</u> existing + <u>0</u> proposed =                             | <u>3328</u>      |
| 6.  | Amount of lot area covered by accessory buildings:                     |                  |
|     | <u>0</u> existing + <u>0</u> proposed =                                | <u>0</u>         |
| 7.  | Amount of lot area covered by decks:                                   |                  |
|     | <u>553.73</u> existing + <u>-110.57</u> proposed =                     | <u>443.16</u>    |
| 8.  | Amount of lot area covered by porches:                                 |                  |
|     | <u>0</u> existing + <u>0</u> proposed =                                | <u>0</u>         |
| 9.  | Amount of lot area covered by driveway, parking areas and walkways:    |                  |
|     | <u>2,497.36</u> existing + <u>101.65</u> proposed =                    | <u>2,599.01</u>  |
| 10. | Amount of lot area covered by terraces:                                |                  |
|     | <u>41.42</u> existing + <u>248</u> proposed =                          | <u>289.42</u>    |
| 11. | Amount of lot area covered by tennis court, pool and mechanical equip: |                  |
|     | <u>0</u> existing + <u>760</u> proposed =                              | <u>760</u>       |
| 12. | Amount of lot area covered by all other structures:                    |                  |
|     | <u>97.05</u> existing + <u>780.68</u> proposed =                       | <u>877.73</u>    |
| 13. | Proposed gross land coverage: Total of Lines 5 - 12 =                  | <u>8,297.32</u>  |

If Line 13 is less than or equal to Line 4, your proposal complies with the Town's maximum gross land coverage regulations and the project may proceed to the Residential Project Review Committee for review. If Line 13 is greater than Line 4 your proposal does not comply with the Town's regulations.

Signature and Seal of Professional Preparer



4/7/21  
Date





# TOWN OF NORTH CASTLE

WESTCHESTER COUNTY  
17 Bedford Road  
Armonk, New York 10504-1898

RESIDENTIAL PROJECT  
REVIEW COMMITTEE  
Adam R. Kaufman AICP, Chair

Telephone: (914) 273-3000 x 43  
Fax: (914) 273-3554  
www.nortcastleny.com

## RESIDENTIAL PROJECT REVIEW COMMITTEE (RPRC) APPLICATION

### Section I- PROJECT

ADDRESS: 24 WINDMILL PLACE ARMONK, NY

### Section III- DESCRIPTION OF WORK:

PROPOSED CONSTRUCTION OF A 40'x18' INGROUND  
POOL / PATIO & ACCOMPANYING STORM WATER SYSTEM

### Section III- CONTACT INFORMATION:

APPLICANT: MIGUEL FRAGA

ADDRESS: 393 WEST AVE STAMFORD, CT 06902

PHONE: 203-727-3924 MOBILE: N/A EMAIL: mfraga@shorelinepools.com

PROPERTY OWNER: SHARON FERN

ADDRESS: 24 WINDMILL PLACE ARMONK, NY

PHONE: \_\_\_\_\_ MOBILE: 917-622-6280 EMAIL: sharon.fern27@gmail.com

PROFESSIONAL: NICK HUDSON ENGINEERING & CONSULTING P.C.

ADDRESS: 45 KNOLLWOOD ROAD - SUITE 201

PHONE: 914-909-0420 MOBILE: \_\_\_\_\_

EMAIL: nick@hudsonec.com

### Section IV- PROPERTY INFORMATION:

Zone: R-1.5A Tax ID (lot designation) 10201-1-17