

ALFONZETTI ENGINEERING, P.C.
14 Smith Avenue, Mt. Kisco, N.Y. 10549

(914) 666-9800

Info@AlfonzettiEng.com

Adam R. Kaufman, AICP
Director of Planning
Planning Department
Town of North Castle
17 Bedford Road
Armonk, NY 10504

June 10, 2022

Re: 2 Tripp Lane/Saglimbeni Residence/Remediation Plan
Town of North Castle

Adam, please find enclosed the following:

- One (1) copy of the following plan entitled "Remediation Plan, dated September 16, 2020, last revised February 11, 2022, Saglimbeni Residence, 2 Tripp Lane, Town of North Castle, Westchester County, NY."
- One (1) copy of landscaping plan entitled "Wetland Mitigation Plan, Saglimbeni Residence, 2 Tripp Lane, Armonk, NY, Town of North Castle" dated May 16, 2022 by Frank Giuliano Landscape Architects.
- One (1) copy of survey entitled "Topographic Survey of Property prepared for Marta Saglimbeni, Town of North Castle, Westchester County, New York" dated April 27, 2022 by T.C. Merritts Land Surveyors.

We are requesting placement on the next planning Board agenda.

Please call if there are any questions.

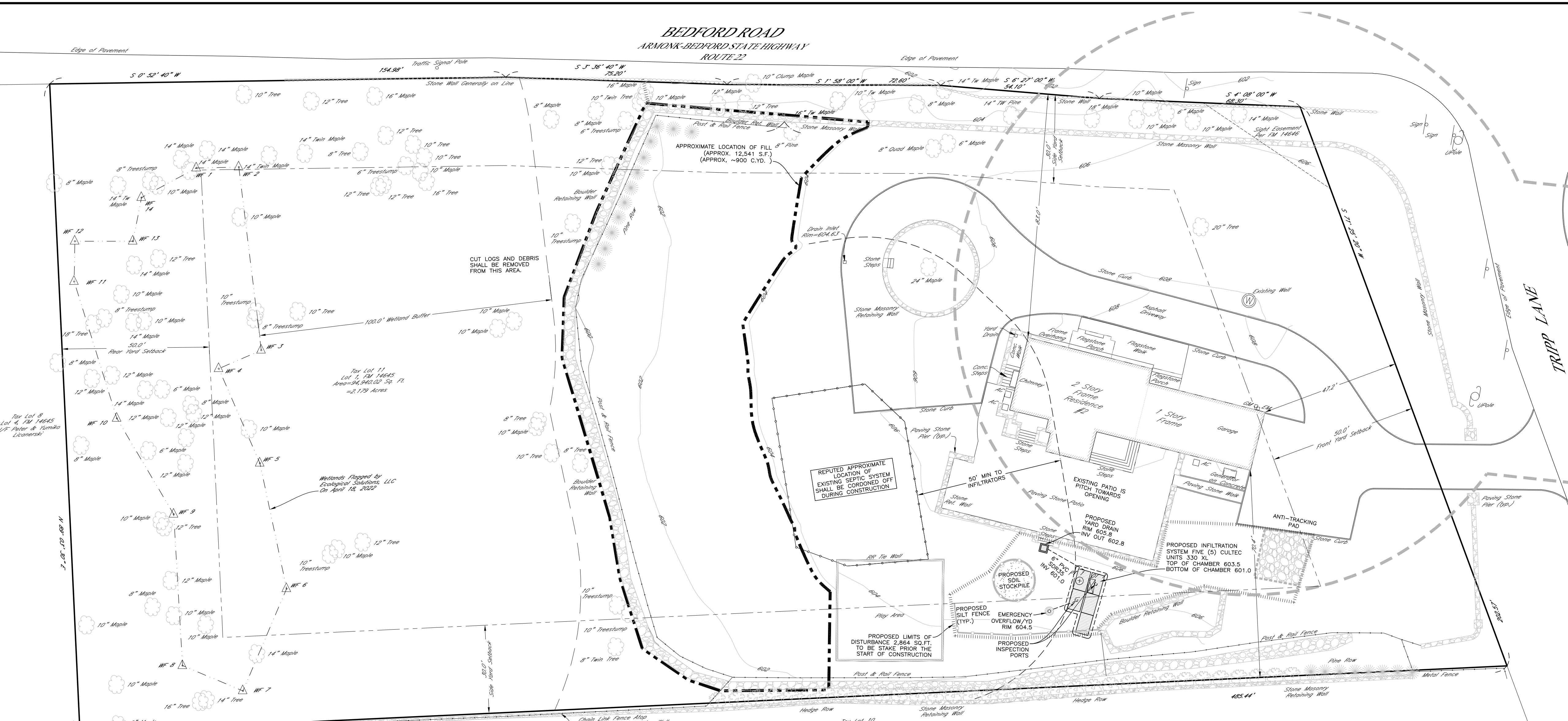
Thank You,



Ralph Alfonzetti, P.E.
ALFONZETTI ENGINEERING, P.C.

STORMWATER CALCULATIONS

DRAINAGE STUDY AREA	S.F.	1893
DESIGN STORM (25 HR.)	IN.	6.46
HYDROLOGIC SOIL TYPE		8
EXISTING CN		74
PROPOSED CN		90
REQUIRED STORAGE CALCULATION		
EX. RUNOFF DEPTH	IN.	3.58
PR. RUNOFF DEPTH	IN.	6.22
DELTA RUNOFF DEPTH	IN.	2.65
REQUIRED STORAGE VOLUME	C.F.	417.4
CHAMBER INFORMATION		
LENGTH OF CHAMBER	FT.	8.5
WIDTH OF CHAMBER	FT.	4.33
HEIGHT OF CHAMBER	FT.	2.54
WIDTH OF STONE SURROUNDING CHAMBER	FT.	1
DEPTH OF STONE UNDER CHAMBER	FT.	0.5
STONE VOID RATIO		0.33
VOLUME PER CHAMBER (AS PER MANUFACTURER)	C.F./L.F.	7.46
TRENCH SIZE		
TRENCH WIDTH	FT.	6.33
TRENCH LENGTH (UNIT LENGTH)	FT.	1
TRENCH HEIGHT	FT.	3.04
TRENCH VOLUME	C.F./L.F.	19.24
STONE VOID VOLUME	C.F.	3.89
PERCOLATION AREA	S.F./L.F.	6.33
PERCOLATION RATE	MIN./IN.	40
PERCOLATION HOLE DIAMETER	IN.	10
WATER LEVEL DROP	IN.	1
AVERAGE DEPTH OF WATER	IN.	8.5
PERCOLATION HOLE BOTTOM AREA	S.F.	0.55
PERCOLATION HOLE SIDE AREA	S.F.	1.85
PERCOLATION HOLE TOTAL AREA	S.F.	2.40
PERCOLATION VOLUME CHANGE	C.F.	0.045
ADJUSTED PERCOLATION RATE	C.F./S. F./DAY	0.68
PERCOLATION VOL. PER DAY	C.F./DA Y/L.F.	4.3
SOIL CLOGGING FACTOR		25%
PERCOLATION WITH CLOGGING	C.F./DA Y/L.F.	3.2
TOTAL VOLUME OF CHAMBERS	C.F./L.F.	14.6
REQUIRED LENGTH CHAMBERS	L.F.	28.62
REQUIRED NUMBER OF CHAMBERS @ 7 L.F./CHAMBER		4.09
PROPOSED NUMBER OF CHAMBERS		5.00



WETLAND MITIGATION

TREES REMOVED*	DISTURBED AREA (S.F.)	PERVIOUS AREA (S.F.)		IMPERVIOUS AREA (S.F.)	
		PRE-DEVELOPMENT	POST-DEVELOPMENT	PRE-DEVELOPMENT	POST-DEVELOPMENT
10"	300±	4373	4373	0	0
100' WETLAND BUFFER	1000±	33406	33406	0	0

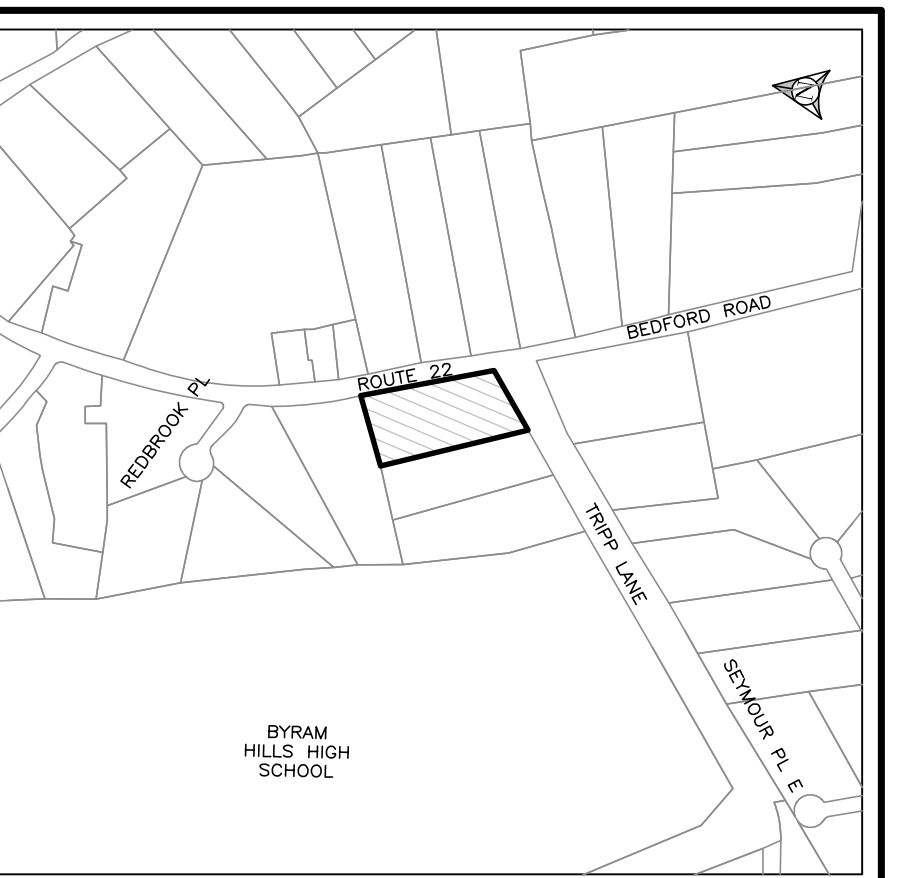
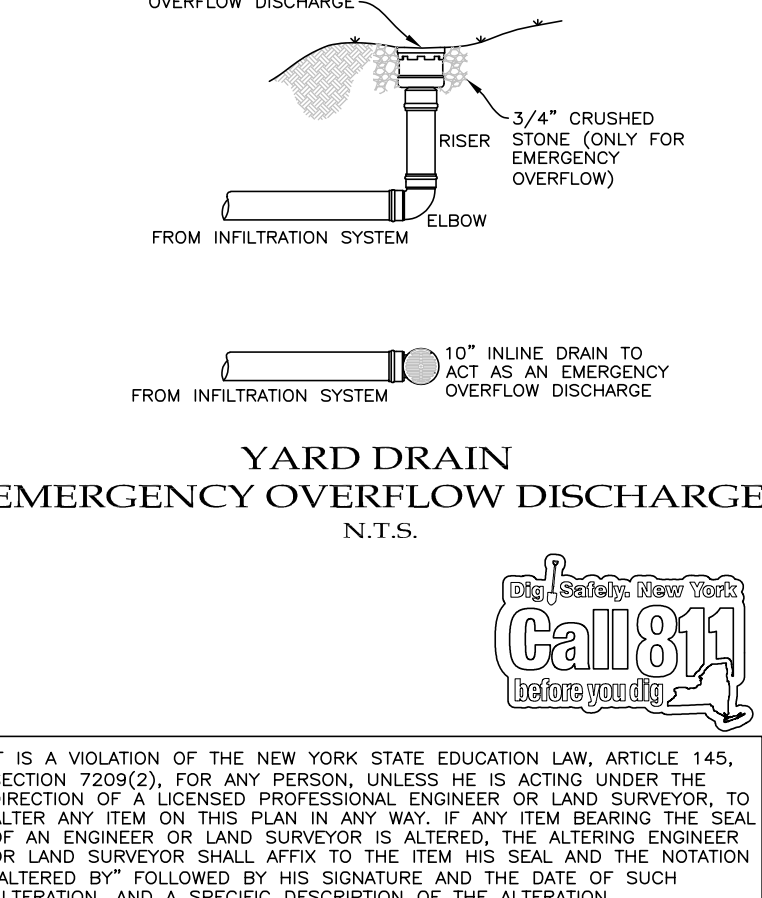
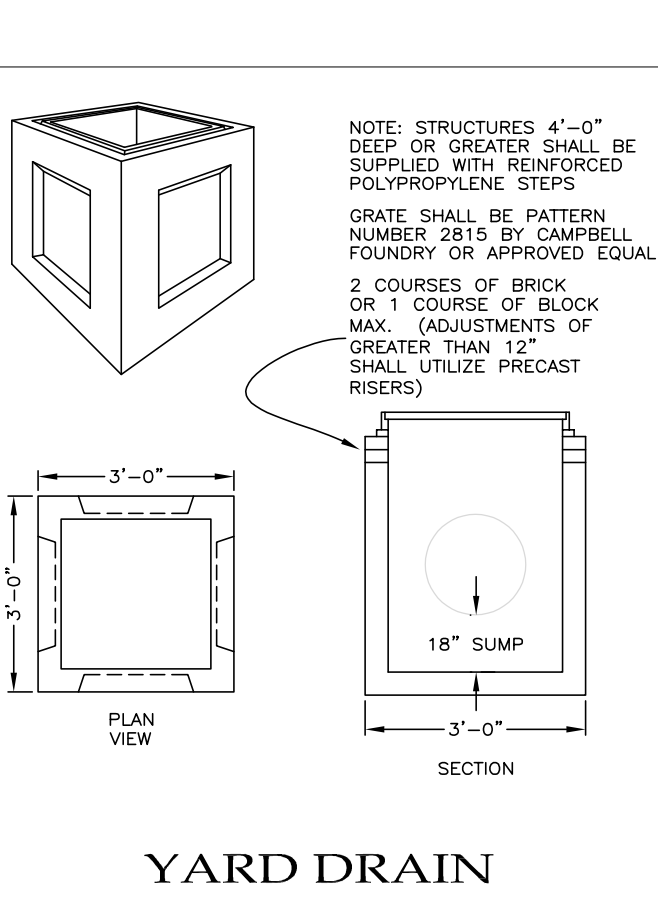
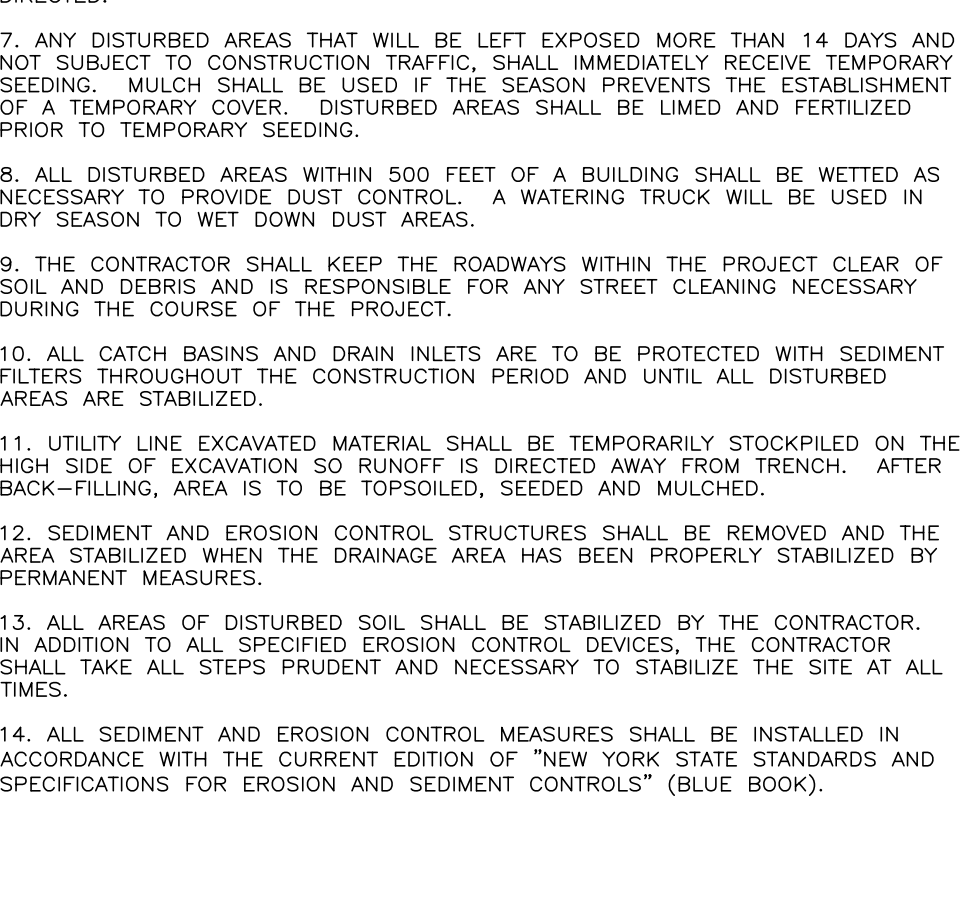
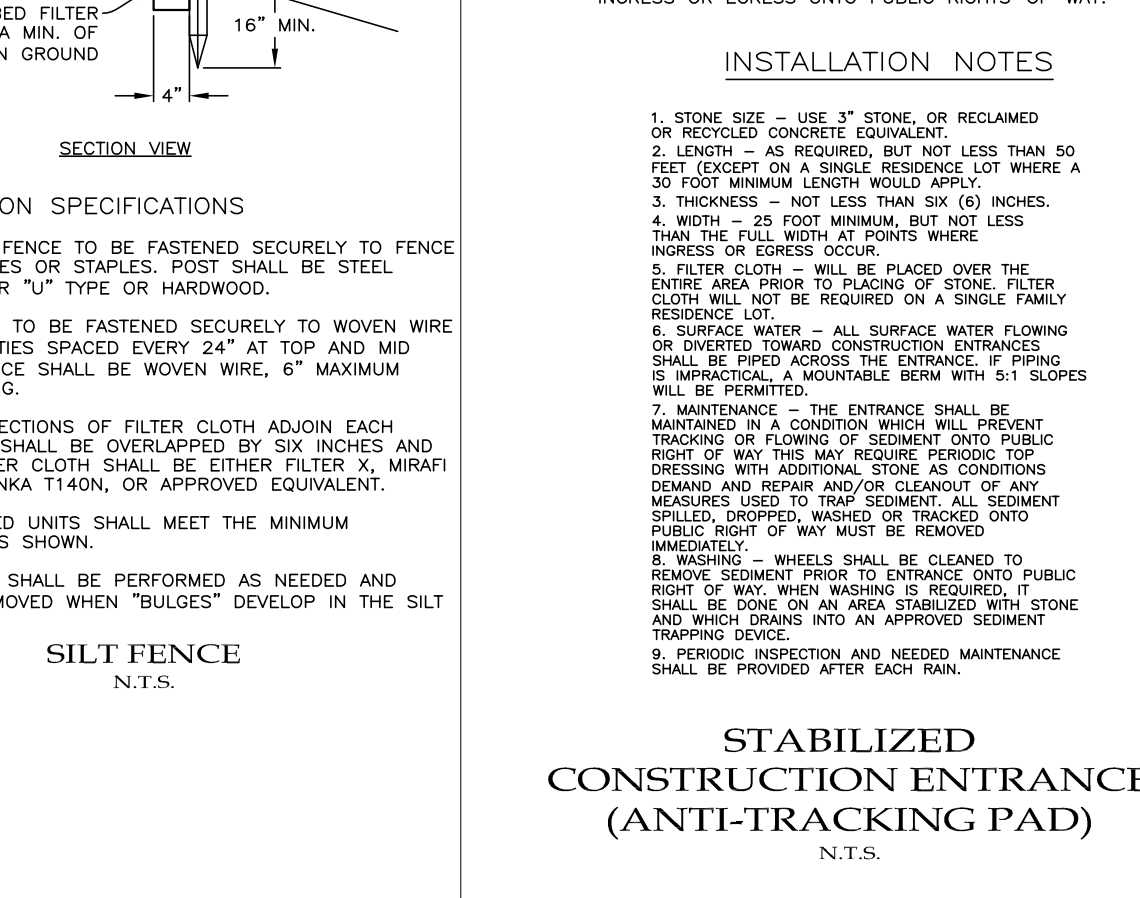
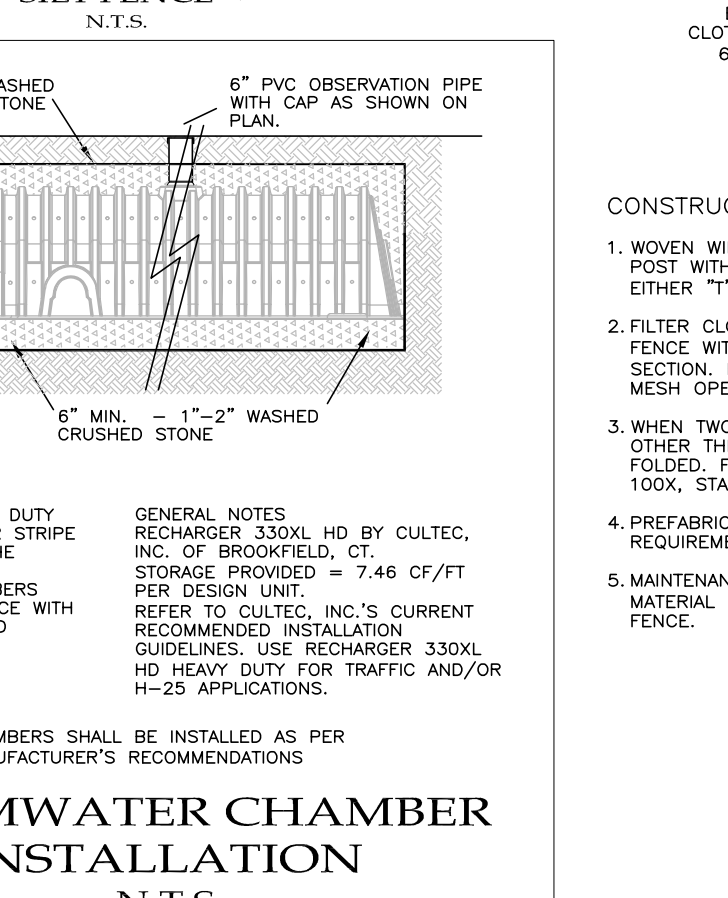
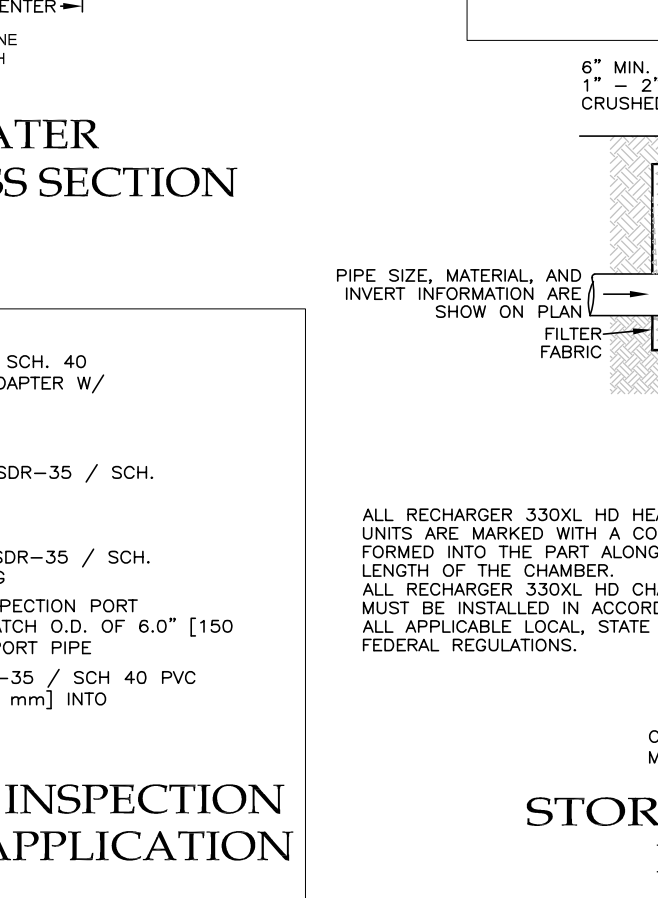
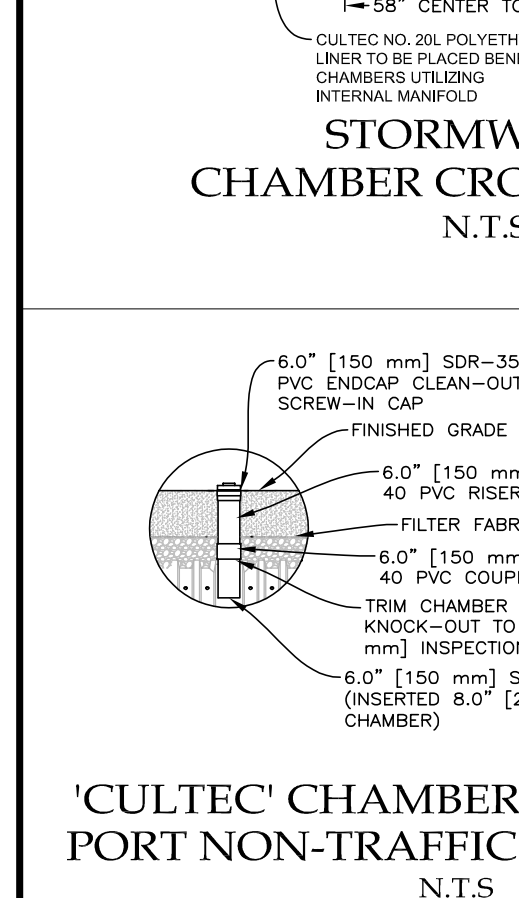
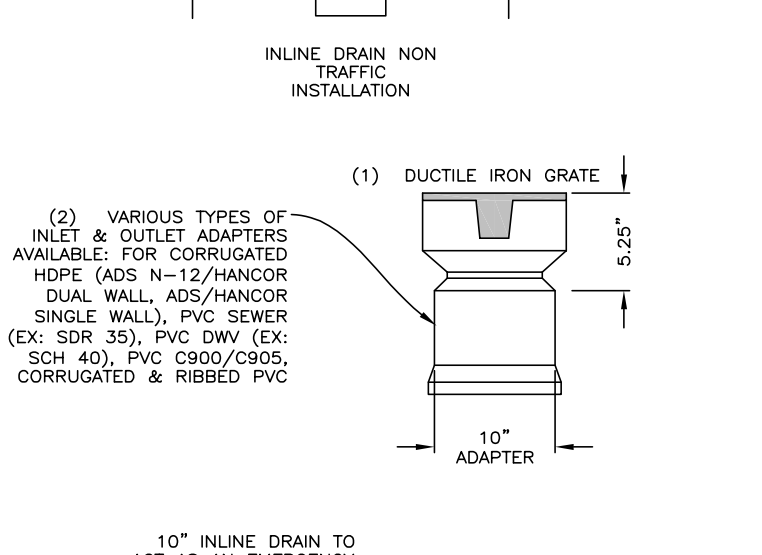
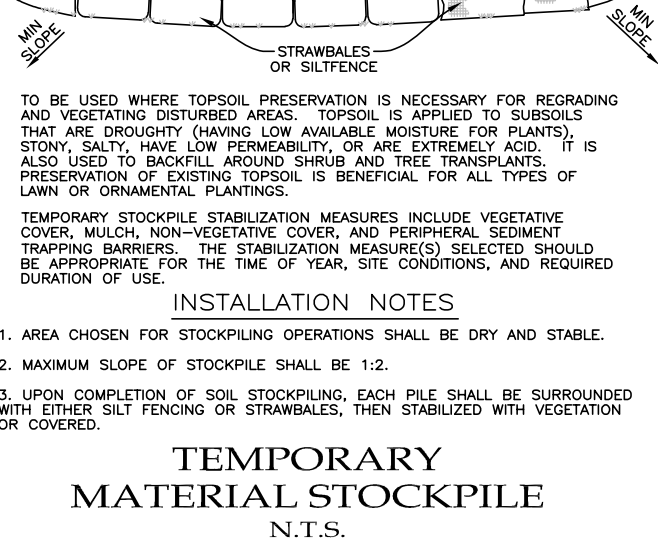
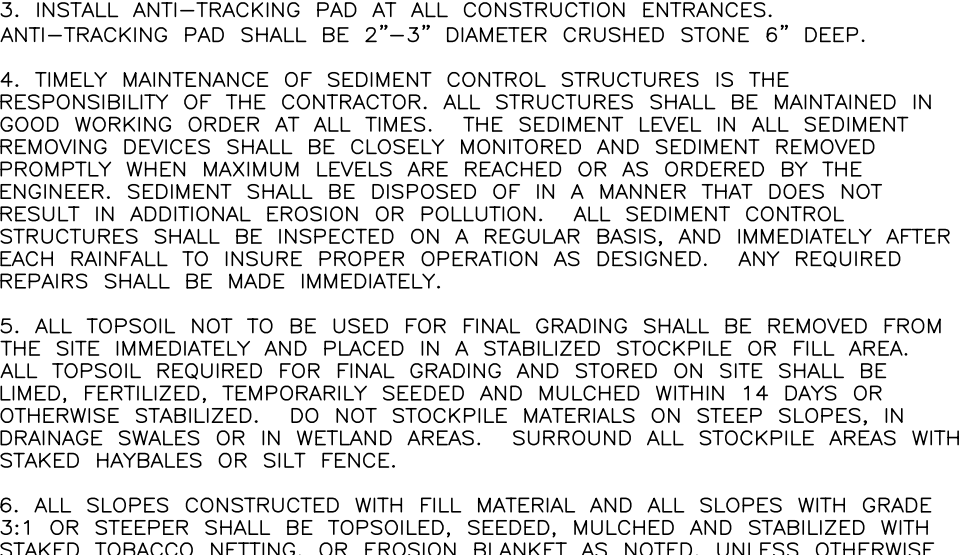
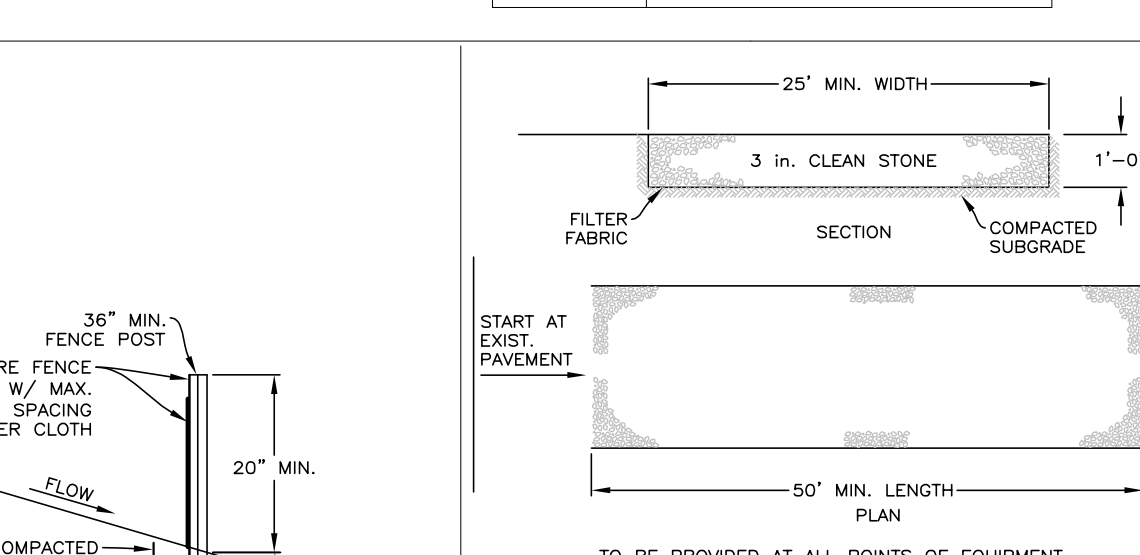
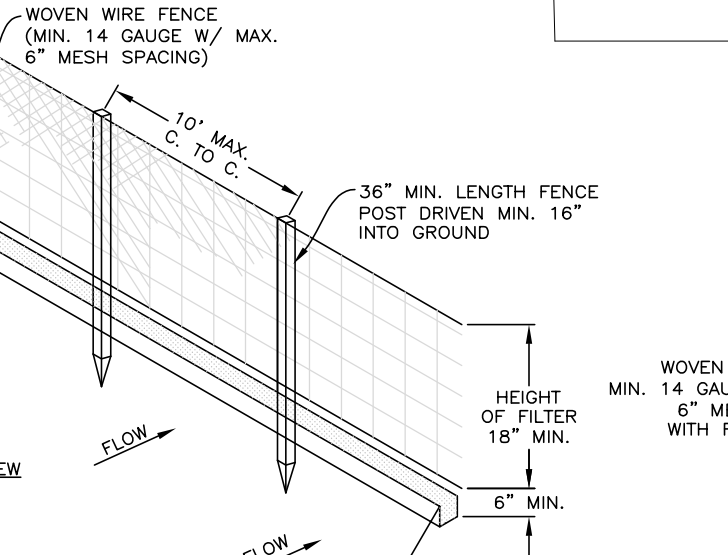
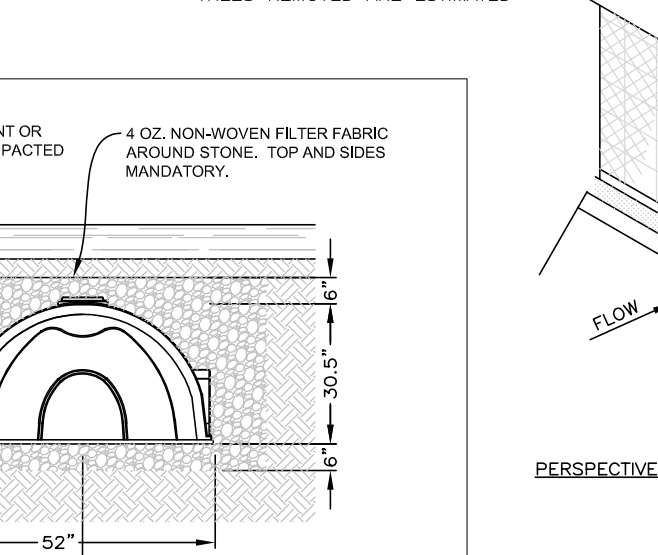
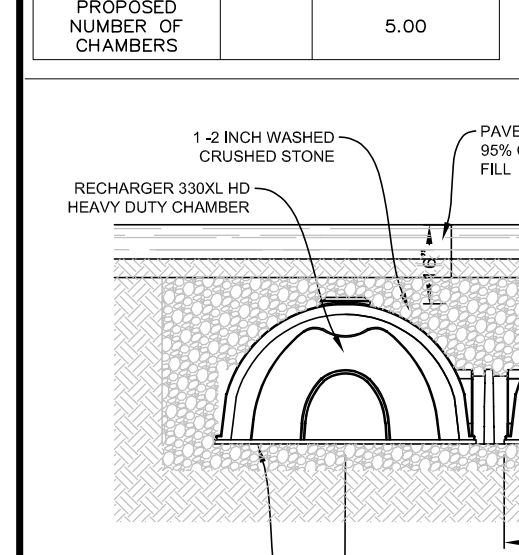
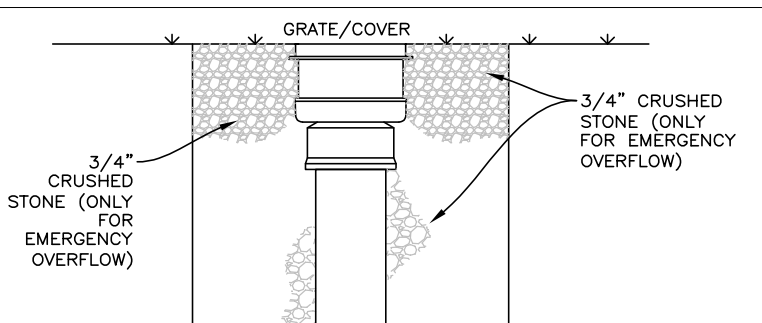
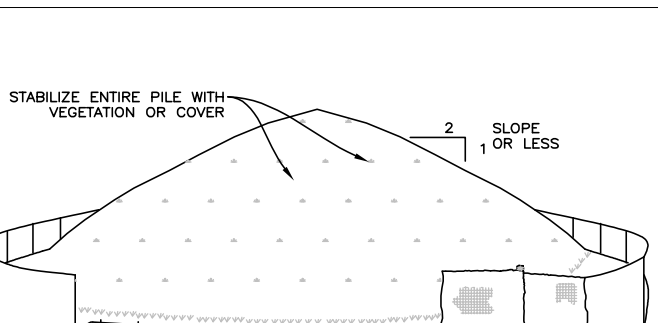
* TREES REMOVED ARE ESTIMATED

PERCOLATION TEST DATA

PT1	40 MIN/IN
DT1	0"-6" TOPSOIL 6"-24" MODERATE COMP SANDY LOAM W/ TRACES OF CLAY 24"-84" MODERATE COMP SANDY LOAM

EROSION CONTROL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL SEDIMENT AND EROSION CONTROL PRACTICES. THE SEDIMENT AND EROSION CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, AND MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD OR UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- PRIOR TO ANY EXCAVATION, SILT FENCE SHALL BE INSTALLED AT THE LOCATIONS NOTED ON THE EROSION CONTROL PLAN. ADDITIONAL SILT FENCE MAY BE REQUIRED BY THE ENGINEER IN THE FIELD. SILT FENCING SHALL BE MAINTAINED IN EFFECTIVE CONDITION AND SHALL NOT BE REMOVED UNTIL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
- INSTALL ANTI-TRACKING PAD AT ALL CONSTRUCTION ENTRANCES. ANTI-TRACKING PAD SHALL BE 2'-3" DIAMETER CRUSHED STONE 6" DEEP.
- TIMELY MAINTENANCE OF SEDIMENT CONTROL STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL STRUCTURES SHALL BE MAINTAINED IN GOOD WORKING ORDER AT ALL TIMES. THE SEDIMENT LEVEL IN ALL SEDIMENT REMOVING DEVICES SHALL BE CLOSELY MONITORED AND SEDIMENT REMOVED PROMPTLY WHEN MAXIMUM LEVELS ARE REACHED OR AS ORDERED BY THE ENGINEER. SEDIMENT SHALL BE DISPOSED OF IN A MANNER THAT DOES NOT RESULT IN ADDITIONAL EROSION OR POLLUTION. ALL SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED ON A REGULAR BASIS, AND IMMEDIATELY AFTER EACH RAINFALL TO INSURE PROPER OPERATION AS DESIGNED. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- ALL TOPSOIL NOT TO BE USED FOR FINAL GRADING SHALL BE REMOVED FROM THE SITE IMMEDIATELY AND PLACED IN A STABILIZED STOCKPILE OR FILL AREA. ALL TOPSOIL REQUIRED FOR FINAL GRADING AND STORED ON SITE SHALL BE LIMED, FERTILIZED, TEMPORARILY SEEDED AND MULCHED WITHIN 14 DAYS OR OTHERWISE STABILIZED. DO NOT STOCKPILE MATERIALS ON STEEP SLOPES, IN DRAINAGE SWALES OR IN WETLAND AREAS. SURROUND ALL STOCKPILE AREAS WITH STAKED HAYBALES OR SILT FENCE.
- ALL SLOPES CONSTRUCTED WITH FILL MATERIAL AND ALL SLOPES WITH GRADE 3:1 OR STEEPER SHALL BE TOPSOILED, SEEDED, MULCHED AND STABILIZED WITH STAKED TOBACCO NETTING, OR EROSION BLANKET AS NOTED, UNLESS OTHERWISE DIRECTED.
- ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 14 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL IMMEDIATELY RECEIVE TEMPORARY SEEDING. MULCH SHALL BE USED IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER. DISTURBED AREAS SHALL BE LIMED AND FERTILIZED PRIOR TO TEMPORARY SEEDING.
- ALL DISTURBED AREAS WITHIN 500 FEET OF A BUILDING SHALL BE WETTED AS NECESSARY TO PROVIDE DUST CONTROL. A WATERING TRUCK WILL BE USED IN DRY SEASON TO WET DOWN DUST AREAS.
- THE CONTRACTOR SHALL KEEP THE ROADWAYS WITHIN THE PROJECT CLEAR OF SOIL AND DEBRIS AND IS RESPONSIBLE FOR ANY STREET CLEANING NECESSARY DURING THE COURSE OF THE PROJECT.
- ALL CATCH BASINS AND DRAIN INLETS ARE TO BE PROTECTED WITH SEDIMENT FILTERS THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE STABILIZED.
- UTILITY LINE EXCAVATION MATERIAL SHALL BE TEMPORARILY STOCKPILED ON THE HIGH SIDE OF EXCAVATED SO RUNOFF IS DIRECTED AWAY FROM TRENCH. AFTER BACK-FILLING, AREA IS TO BE TOPSOILED, SEEDED AND MULCHED.
- SEDIMENT AND EROSION CONTROL STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED BY PERMANENT MEASURES.
- ALL AREAS OF DISTURBED SOIL SHALL BE STABILIZED BY THE CONTRACTOR. IN ADDITION TO ALL SPECIFIED EROSION CONTROL DEVICES, THE CONTRACTOR SHALL TAKE ALL STEPS PROVED AND NECESSARY TO STABILIZE THE SITE AT ALL TIMES.
- ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT EDITION OF "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROLS" (BLUE BOOK).



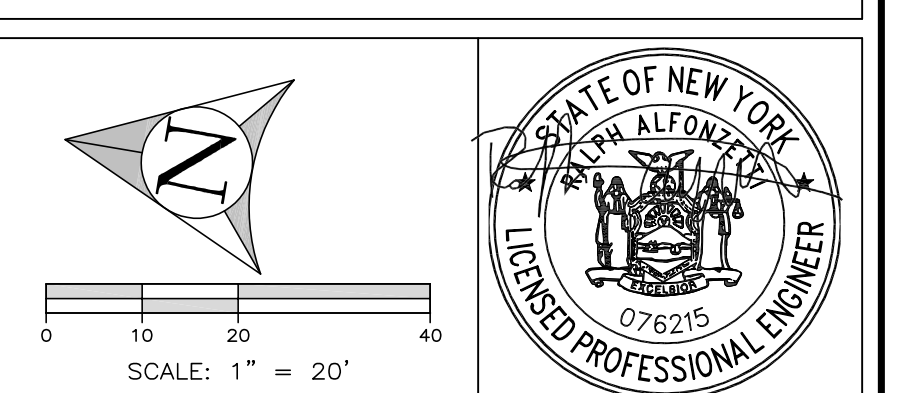
- ### CONSTRUCTION NOTES:
- THE CONTRACTOR SHALL LOCATE AND VERIFY IN THE FIELD ALL UTILITIES: SEWER, WATER, GAS, ELECTRICAL, ETC. PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL CALL CODE 753 (FORMERLY CODE 53) PRIOR TO THE START OF CONSTRUCTION.
 - THE INSTALLATION OF WATER AND SEWER SHALL BE INSPECTED UNDER THE DIRECTION OF A N.Y. STATE LICENSED PROFESSIONAL ENGINEER.
 - EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REQUIRED AS INDICATED ON THIS PLAN OR THE EROSION CONTROL PLAN OR AS DIRECTED BY THE GOVERNING AGENCY, IN ACCORDANCE WITH THE CURRENT EDITION OF "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROLS" (BLUE BOOK).
 - AS BUILT PLANS IF REQUIRED, SHALL BE CERTIFIED BY A N.Y. STATE LICENSED SURVEYOR OR PROFESSIONAL ENGINEER.
 - ALL PROPERTY DISTURBED IN THE RIGHT-OF-WAY OR ON PRIVATE LANDS, SHALL BE RESTORED TO ACCEPTABLE CONDITIONS, AS REQUIRED BY THE GOVERNING AGENCY.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL APPLICATIONS AND PERMITS REQUIRED FOR CONSTRUCTION.
 - THE ROAD AND UTILITIES SHALL BE STAKED IN THE FIELD BY A NEW YORK STATE LICENSED SURVEYOR OR ENGINEER.
 - UNDERGROUND UTILITIES: GAS, ELECTRIC, CABLE, TELEPHONE, ETC. SHALL BE AS REQUIRED BY THE GOVERNING AGENCY AND THE APPROPRIATE UTILITY COMPANY.
 - ALL PROPOSED OR DISTURBED SLOPES, 1H:2V OR GREATER SHALL BE STABILIZED WITH AN EROSION CONTROL BLANKET.
 - IN LIEU OF BLASTING, ROCK RIPPING WILL BE USED WHEREVER POSSIBLE. IF BLASTING IS REQUIRED, BLASTING WILL OCCUR IN ACCORDANCE WITH REGULATIONS AND STANDARDS PRESCRIBED BY THE GOVERNING AGENCY. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY PERMITS IF BLASTING IS REQUIRED.
 - NO REPRESENTATION OF THE SUB-SURFACE SOIL CONDITIONS ON THIS SITE ARE MADE OR IMPLIED. IT IS THE DEVELOPER/CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL IMPROVEMENTS ARE PLACED ON SOIL WITH A SUFFICIENT BEARING CAPACITY.
 - OVERNIGHT EXCAVATIONS WILL NOT BE PERMITTED.

APPROVED BY TOWN OF NORTH CASTLE PLANNING BOARD RESOLUTION, DATED: _____

ENGINEERING DRAWINGS, PLANS REVIEWED BY TOWN ENGINEER _____ DATE: _____

JOSEPH CERMELE, P.E.
KELLAR SESSIONS CONSULTING, P.C.
CONSULTING TOWN ENGINEERS

CHRISTOPHER CARTHY, CHAIRMAN
TOWN OF NORTH CASTLE PLANNING BOARD



ALFONZETTI ENGINEERING, P.C.

14 SMITH AVE, MT. KISCO, N.Y. 10549
914-666-9800 INFO@ALFONZETTIENG.COM

SITE DATA

OWNER/APPLICANT: MARTA SAGLIMBENI
SITE ADDRESS: 2 TRIPP LANE, ARMONK, NY 10504
TAX MAP #: 10B02-1-11
LOT AREA: 2.16 ACRES
ZONING: R-2A
REVISED: JUNE 10, 2022
REVISED: FEBRUARY 11, 2022

REMEDATION PLAN

SEPTEMBER 16, 2020

PROJECT: SAGLIMBENI RESIDENCE
2 TRIPP LANE
TOWN OF NORTH CASTLE
WESTCHESTER COUNTY, NY

Call 811 before you dig

PLANT SCHEDULE

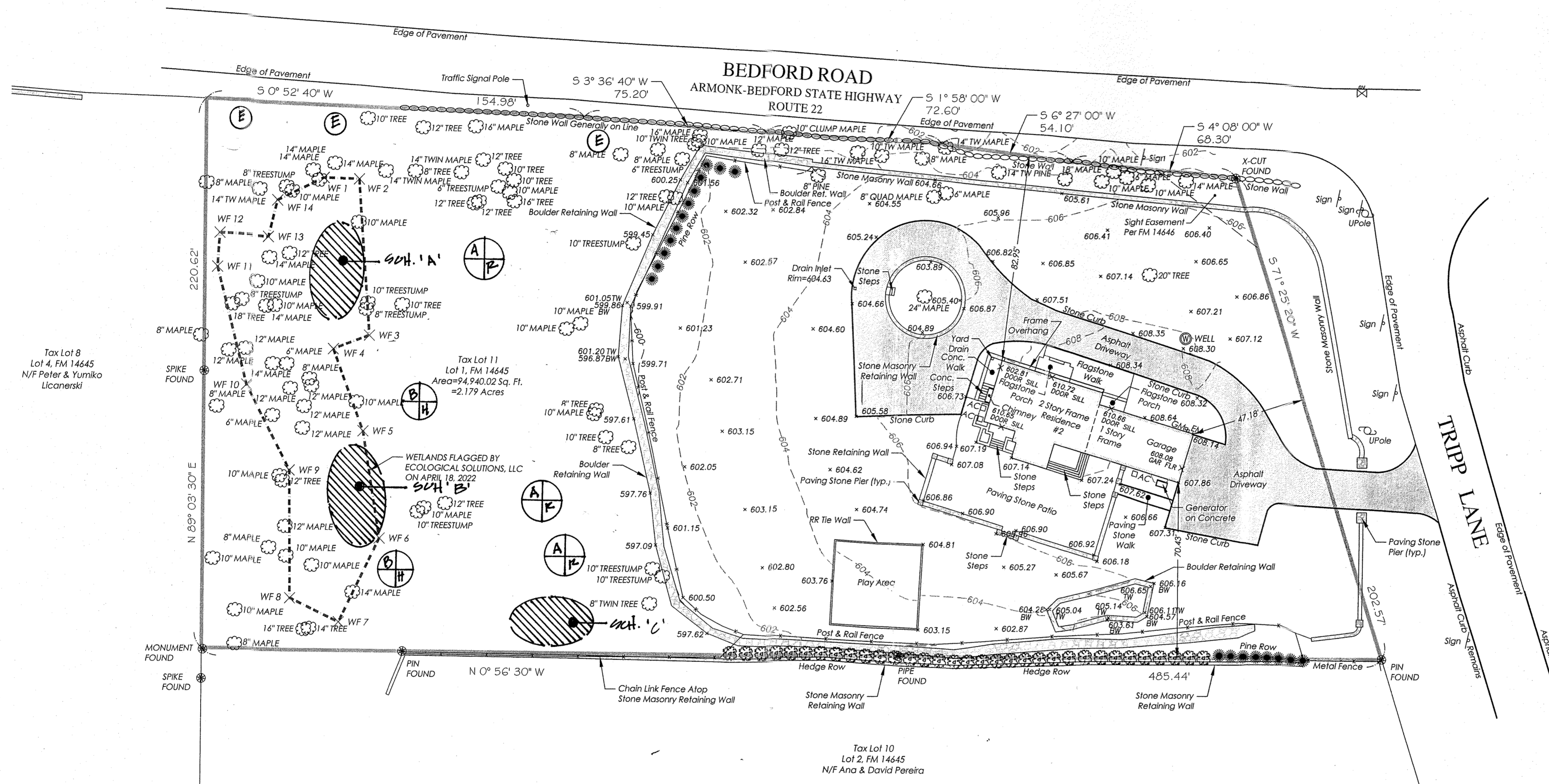
KEY	QUAN.	BOTANICAL / COMMON NAME	SIZE
TREES			
AR	3	Acer rubrum - Swamp Red Maple	2"-2 1/2" Cal.
BH	2	Betula lutea - Yellow Birch (multi stem)	6'-8' HT.
E	3	Juniperus virginiana - Eastern Red Cedar	7 Gal.
SCHEDULE "A":			
CAE	6	Cornus amomum - Silky Dogwood	2 Gal.
LIN	3	Lindera benzoin - Spicebush	2 Gal.
VIB	3	Viburnum dentatum - Arrowwood Viburnum	2 Gal.
SCHEDULE "B":			
ARO	6	Aronia arbutifolia - Red Chokecherry	2 Gal.
CAL	3	Calycanthus floridus - Carolina Allspice	2 Gal.
CAE	3	Cornus amomum - Silky Dogwood	3 Gal.
SCHEDULE "C":			
ARO	6	Aronia arbutifolia - Red Chokecherry	2 Gal.
CAE	3	Cornus amomum - Silky Dogwood	2 Gal.
LIN	3	Lindera benzoin - Spicebush	2 Gal.

PLANTING SPECIFICATIONS:

GENERAL: All plants, trees and shrubs, shall meet the specifications for "plant material" as per the American Horticultural Society. All plants shall be guaranteed for one full year from the time the landscaping is formally accepted by the owner and the Town of North Castle, NY.

PLANTING: All plants shall be planted in planting pits two times the diameter of the plant ball or container, and 12" deeper than the plant ball or container. The plants shall be planted at the same grade as they were in the container or nursery. Backfill for all planting pits shall be as follows: Two parts native soil, one part compost.

WATERING: The contractor shall water all planted material, until formal acceptance of the landscaping from the owner.



WETLAND MITIGATION PLAN

SAGLIMBENI RESIDENCE
2 TRIPP LANE
ARMONK, NY
TOWN OF NORTH CASTLE

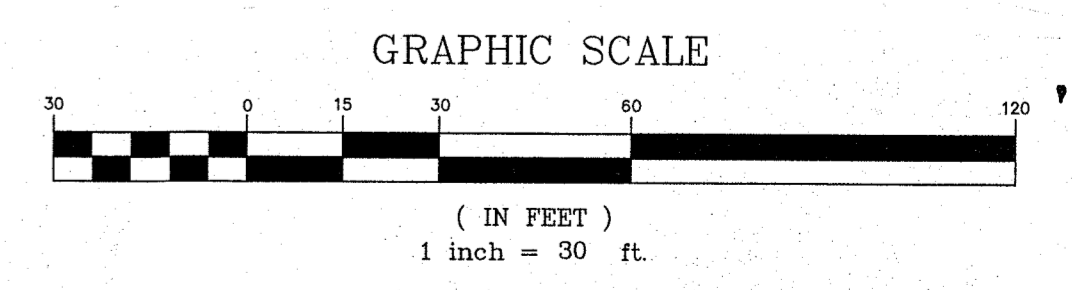
SEC. 108.2 - BLOCK 1 - LOT 11
Byram Central School District

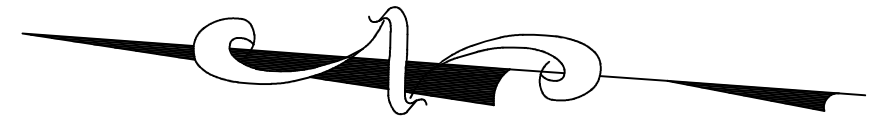
May 16, 2022
LOT AREA: 94,940 SF - 2.179 ACRES
PLAN SCALE: 1" = 30'

FRANK GIULIANO - LANDSCAPE ARCHITECTS
8 PINE TREE DRIVE, KATONAH, N.Y. 10536
PH: 914.954.4110 FGIARCH@AOL.COM

SURVEY BY:
TC MERRITTS
LAND SURVEYORS
914-769-8003
DATED: APRIL 27, 2022
PEN. # 1-5-13-22

SHEET 1 OF 1





Only copies from the original of this topography map marked with an original of the Land Surveyors embossed seal or red colored seal shall be considered to be true, valid copies.

Unauthorized alteration or addition to a map bearing a licensed Land Surveyors seal is a violation of Section 7209, Subdivision 2 of the New York State Education Law.

Possession only where indicated.

Adjacent property lines and easements not surveyed or certified. Access to adjacent rights of way, easements and public or private lands not guaranteed or certified.

Underground utilities shown hereon are approximate and should be verified before excavating. Additional underground utilities are not shown or certified. Encroachments and structures below grade, if any, not shown or certified.

Subject to covenants, easements, restrictions, conditions and agreements of record.

This map is prepared to show topography only and is not to be used for title transfer purposes. Map may not be certified to title companies and/or banks.

Tree species shown hereon to be verified by a licensed arborist and are not certified by surveyor.

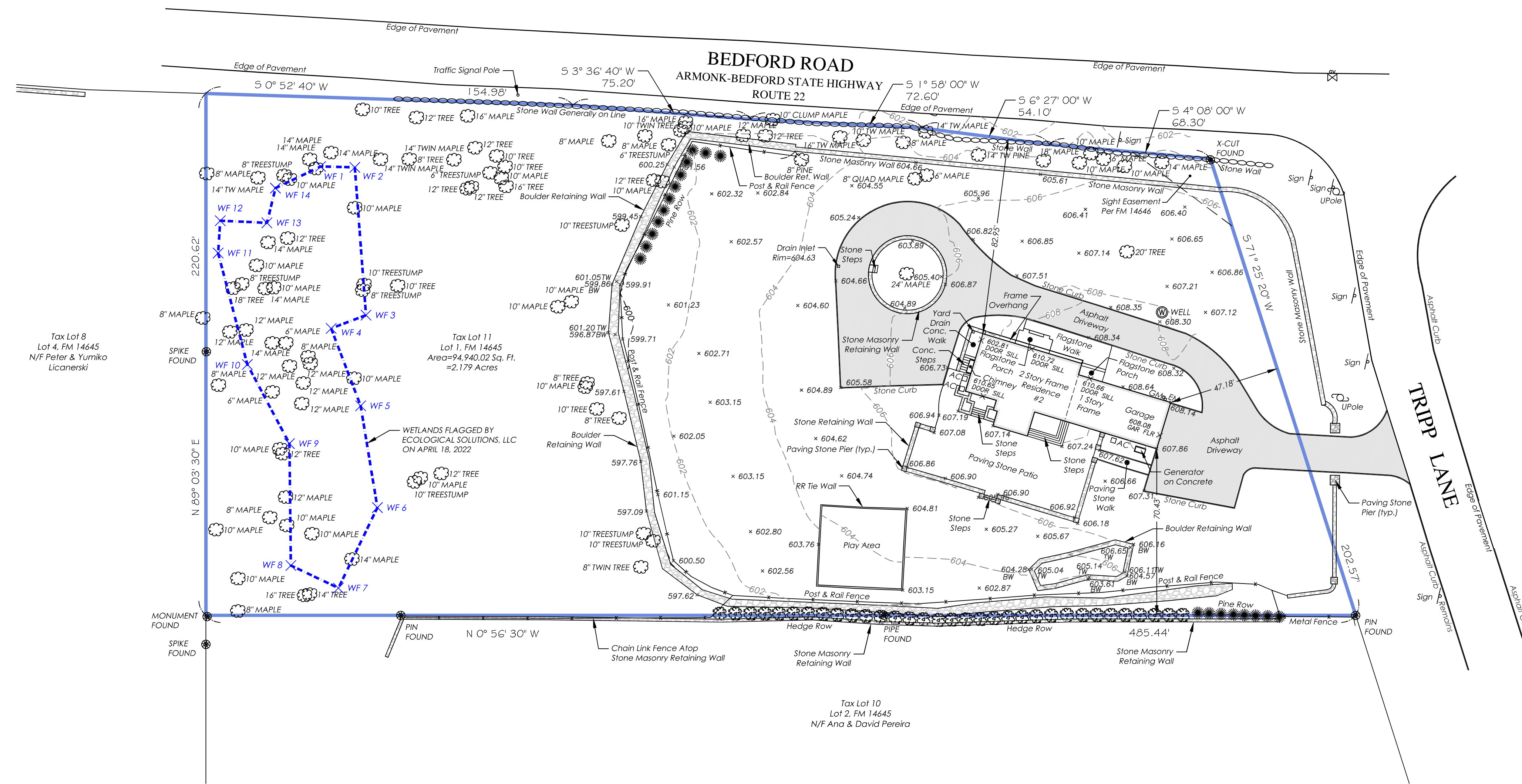
Elevations shown hereon generally in accordance with North American Vertical Datum 88.

Premises hereon being Lot 1 as shown on a certain map entitled, "Subdivision of Byram Acres, situated in the Town of North Castle, Westchester County, N.Y." Said map filed in the Westchester County Clerk's Office, Division of Land Records on October 2, 1965 as map number 14645.

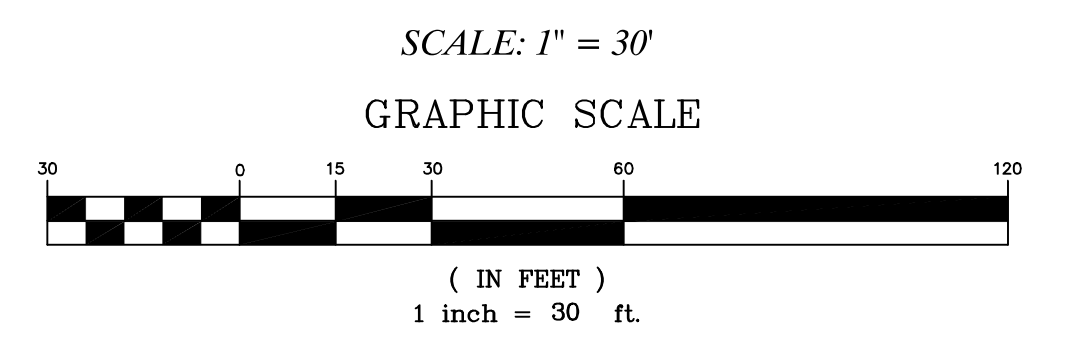
Surveyed in accordance with Deed Control Number 452090233.

Premises shown hereon designated on the Town of North Castle Tax Maps as: Section 108.02, Block 1, Lot 11.

Property Address:
2 Tripp Lane
Armonk, NY 10504



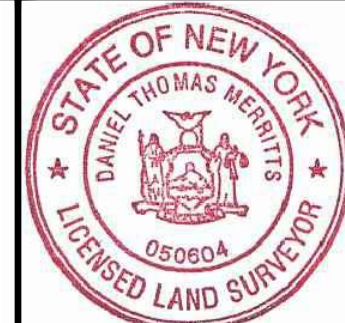
TOPOGRAPHIC SURVEY OF PROPERTY
PREPARED FOR
MARTA SAGLIMBENI
SITUATE IN THE
TOWN OF NORTH CASTLE
WESTCHESTER COUNTY, NEW YORK



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ALL RIGHTS RESERVED. UNAUTHORIZED DUPLICATION OR
ELECTRONIC TRANSMISSION WITHOUT PRIOR PERMISSION
IS A VIOLATION OF APPLICABLE LAWS.



TC MERRITTS LAND SURVEYORS
394 BEDFORD ROAD • PLEASANTVILLE • NY 10570
(914) 769-8003 • survey@tcmerritts.com



Surveyed: June 1, 2021
Map Prepared: June 2, 2021
Map Revised: April 27, 2022 to show additional wetland flags only

By: *Daniel T. Merritt*
New York State Licensed Land Surveyor No. 050604

Project: 20-476	Field Survey By: AN/SH // CTW/R
Job: 21-196	Checked By: DM
Drawn By: CMP/DA	