



# TOWN OF NORTH CASTLE

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

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

RESIDENTIAL PROJECT  
REVIEW COMMITTEE  
Adam R. Kaufman AICP, Chair

## RESIDENTIAL PROJECT REVIEW COMMITTEE (RPRC) APPLICATION

### Section I- PROJECT

ADDRESS: 44 BYRAM RIDGE RD

### Section III- DESCRIPTION OF WORK:

DEMOLITION OF EXISTING HOUSE AND CONSTRUCTION  
OF NEW SINGLE FAMILY DWELLING

### Section III- CONTACT INFORMATION:

APPLICANT: DAVID SAKARNY  
ADDRESS: 90 BYRAM RIDGE RD  
PHONE: \_\_\_\_\_ MOBILE: 9148040872 EMAIL: DSAKARNY@GMAIL.COM

PROPERTY OWNER: KARYN ROEDER - title set to pass 10/13 to Bonnie Homes LLC  
ADDRESS: 90 BYRAM RIDGE RD  
PHONE: \_\_\_\_\_ MOBILE: 9148040872 EMAIL: DSAKARNY@GMAIL.COM

PROFESSIONAL: ROBERT ZUMWALT AIA ARCHITECT  
ADDRESS: 47 SPRING LANE CHAPPAQUA NY 10514  
PHONE: 914 714 3933 MOBILE: 914 714 3933  
EMAIL: RE ZUMWALT@AOL.COM

### Section IV- PROPERTY INFORMATION:

Zone: 1A Tax ID (lot designation) 101.03 - 4 - 46



**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: 44 Byram Ridge new house

Initial Submittal  Revised Preliminary

Street Location: 44 Byram Ridge Road

Zoning District: 1A Property Acreage: 1 Tax Map Parcel ID: 101.03-4-46

Date: October 1 2022

### 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
6. Existing topography and proposed grade elevations
7. Location of drives
8. Location of all existing and proposed site improvements, including drains, culverts, retaining walls and fences

**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.

Projects

New project

Recent

44 Byram

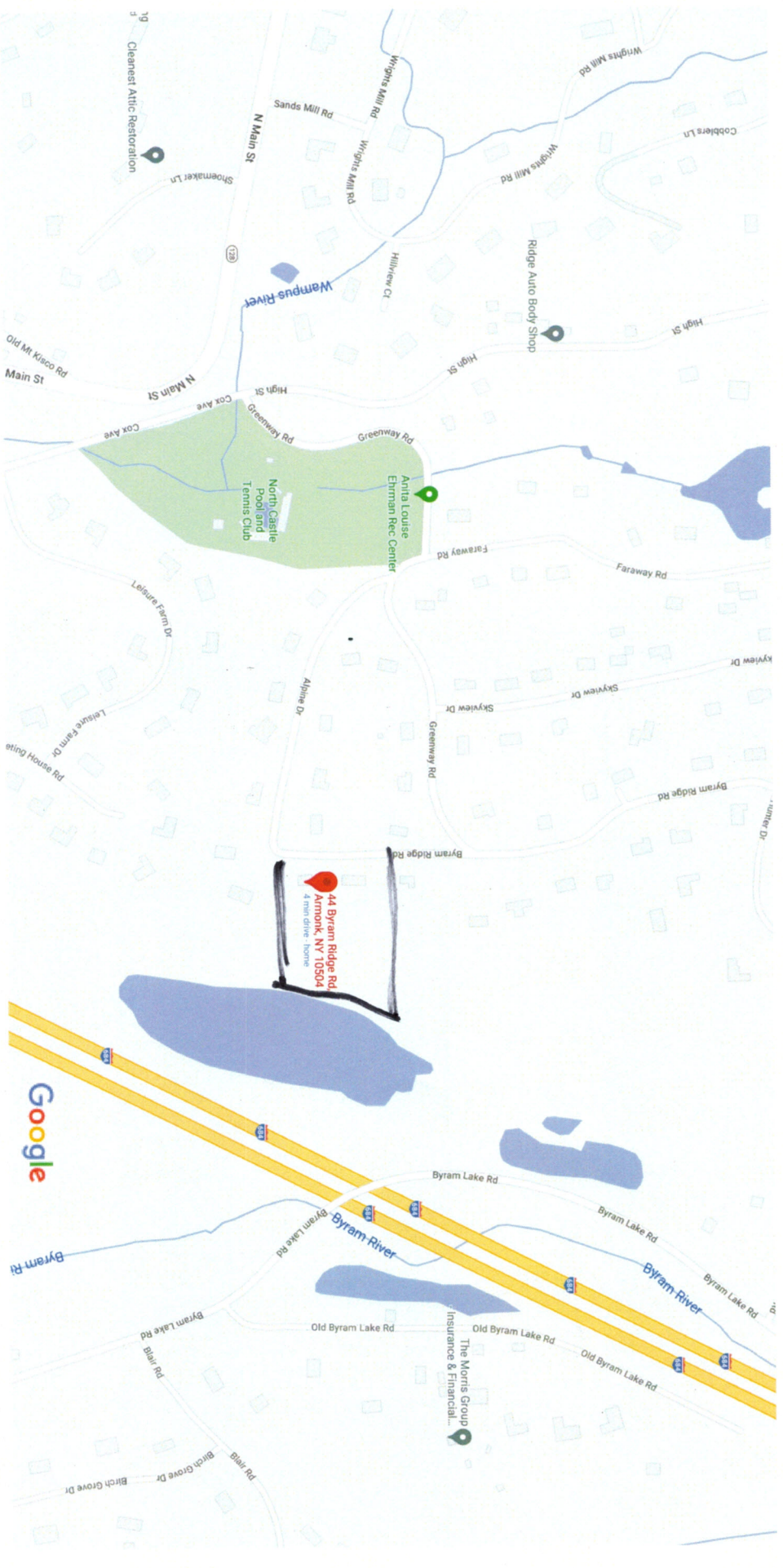
David Sacarny... 2 minutes ago



Google Earth

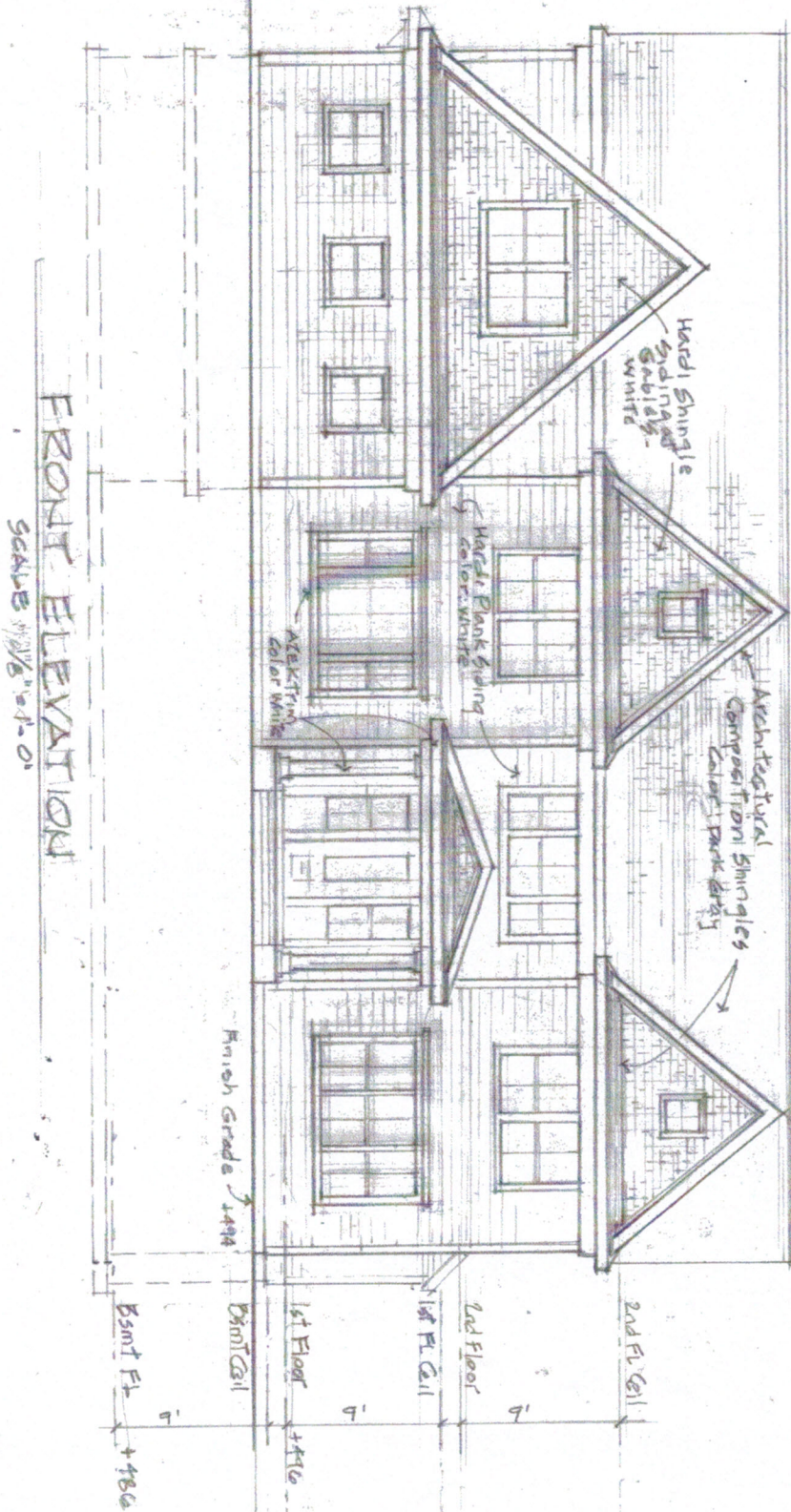
40 m

Camera: 395 m 41°08'24" ...



Map data ©2022 200 ft





FRONT ELEVATION

SCALE 1/8" = 1'-0"

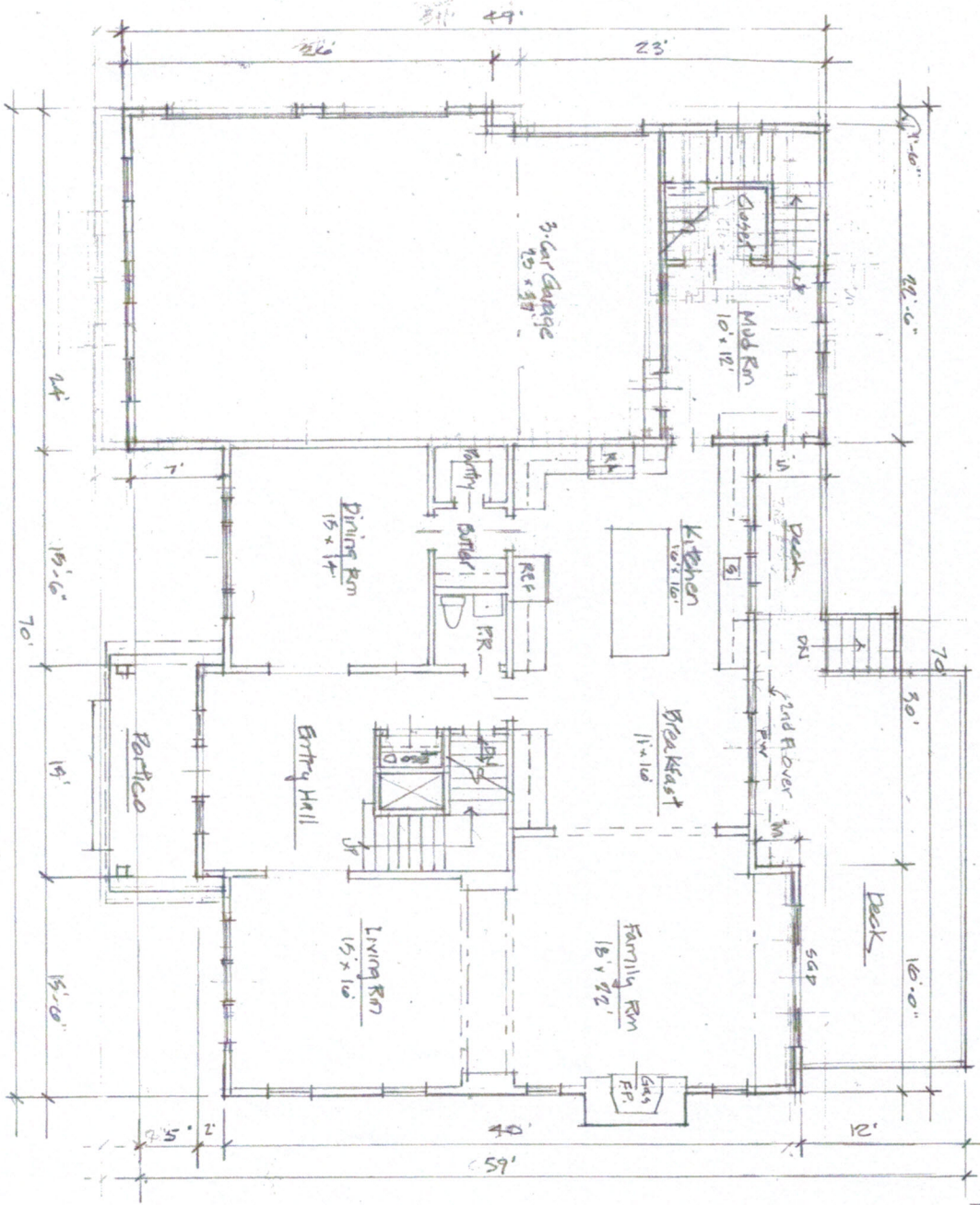
9-15-2020  
9-8-2022



**NEW RESIDENCE**  
**BY DAVID SACARNY**  
 44 BYRAM RIDGE RD. NORTH CASTLE, NY

**ROBERT ZUMWALT A.I.A. ARCHITECT**  
 47 SPRING LANE, CHAPPAQUA, NY 10514  
 714-3933 E-MAIL: REZUMWALT@AOL.COM

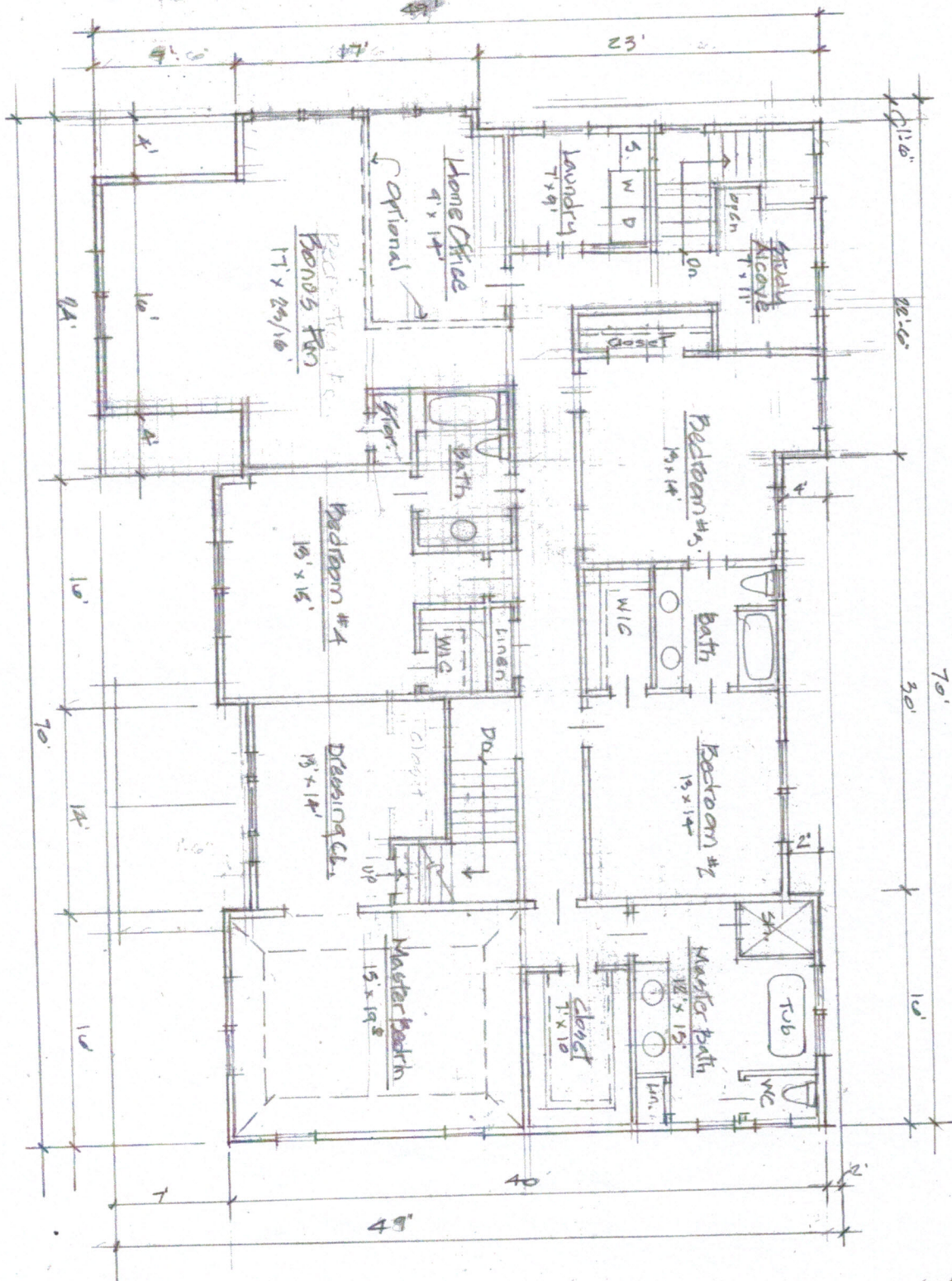
Living Area:  
 1st Fl: 2,058  
 2nd Fl: 852  
 Sub Tot: 4,880 SF  
 Finished Living Area



PRELIMINARY FIRST FLOOR PLAN  
 SCALE: 1/8" = 1'-0"  
 2,058 SF Living Area

9-13-2002  
 1-8-2002  
 1-8-2002





PRELIMINARY SECOND FLOOR PLAN

SCALE: 1/8" = 1'

1800 SF

9-19-00  
4-8-2002  
10-11-02

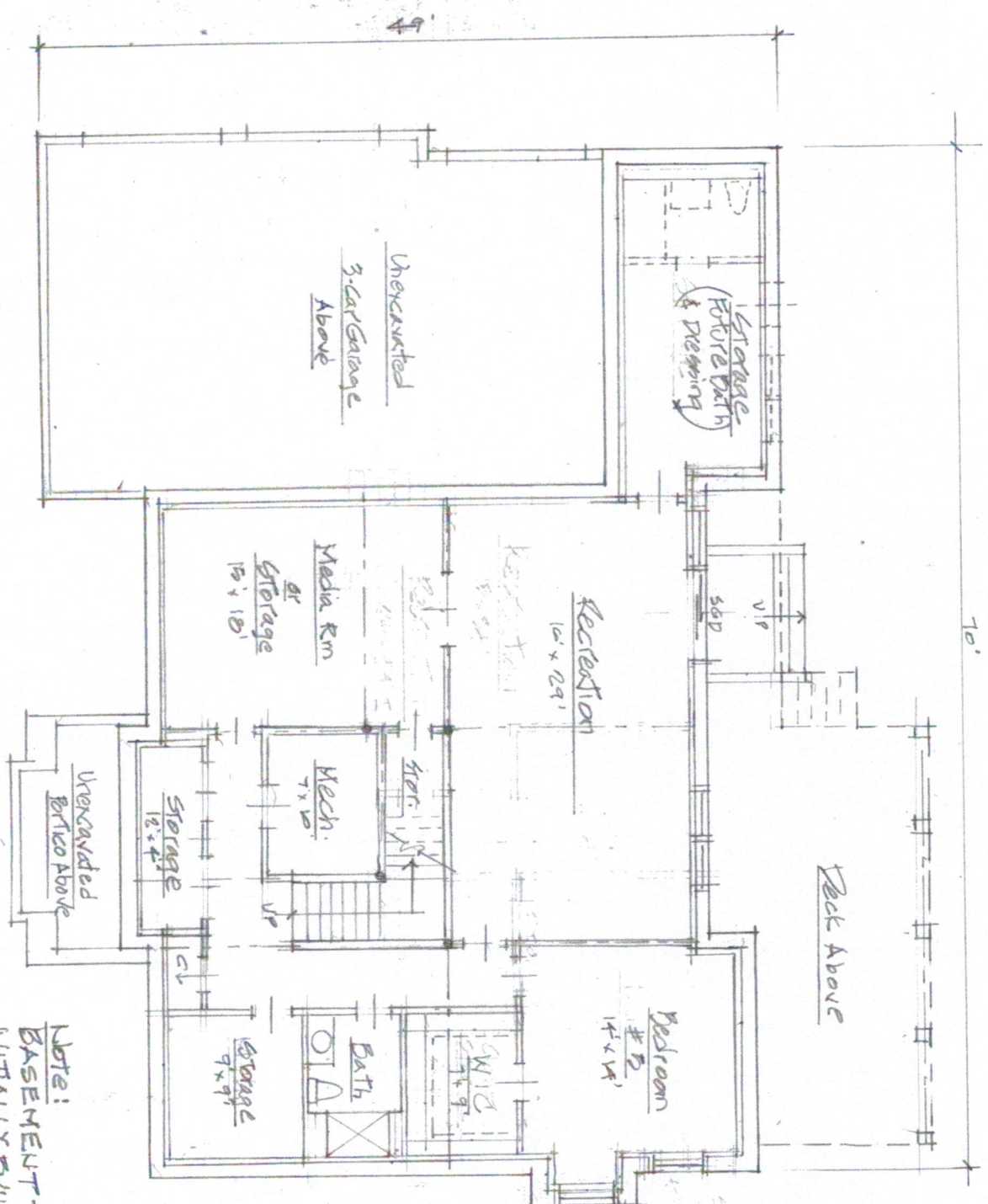
3

**NEW RESIDENCE**  
**BY DAVID SACARNY**  
 BYRAM RIDGE ROAD, NORTH CASTLE, NY

**ROBERT ZUMWALT A.I.A. ARCHITECT**  
 47 SPRING LANE, CHAPPAQUA, NY 10514  
 714-3933 E-MAIL: REZUMWALT@AOL.COM







\* NOT A STORY

**FUTURE PROPOSED**  
**PRELIMINARY BASEMENT PLAN**

Scale: 1/8" = 1'-0"

**Note:**  
 BASEMENT TO BE  
 INITIALLY BUILT  
 UNFINISHED

same as 1st floor:  
 21050  
 9-13-20  
 1-5-20

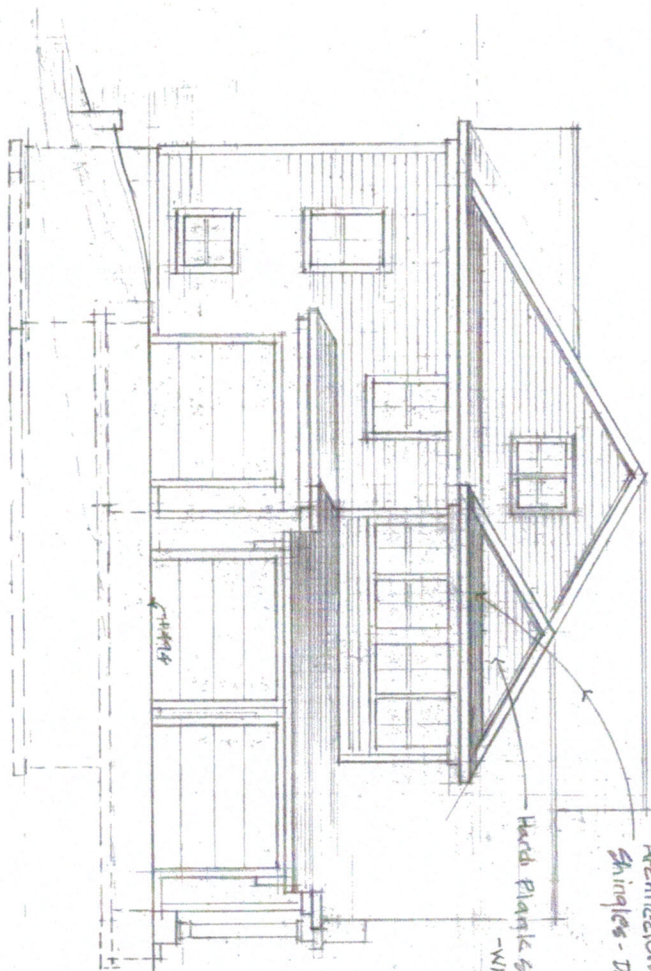


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**BY DAVID SACARNY**  
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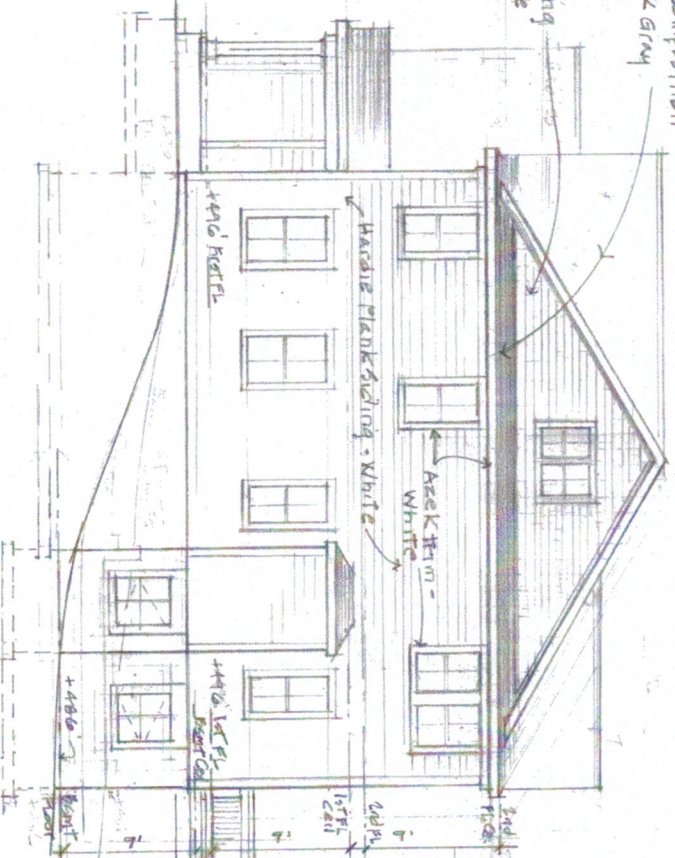
LEFT SIDE ELEVATION

SCALE: 1/8" = 1'-0"



RIGHT SIDE ELEVATION

SCALE: 1/8" = 1'-0"

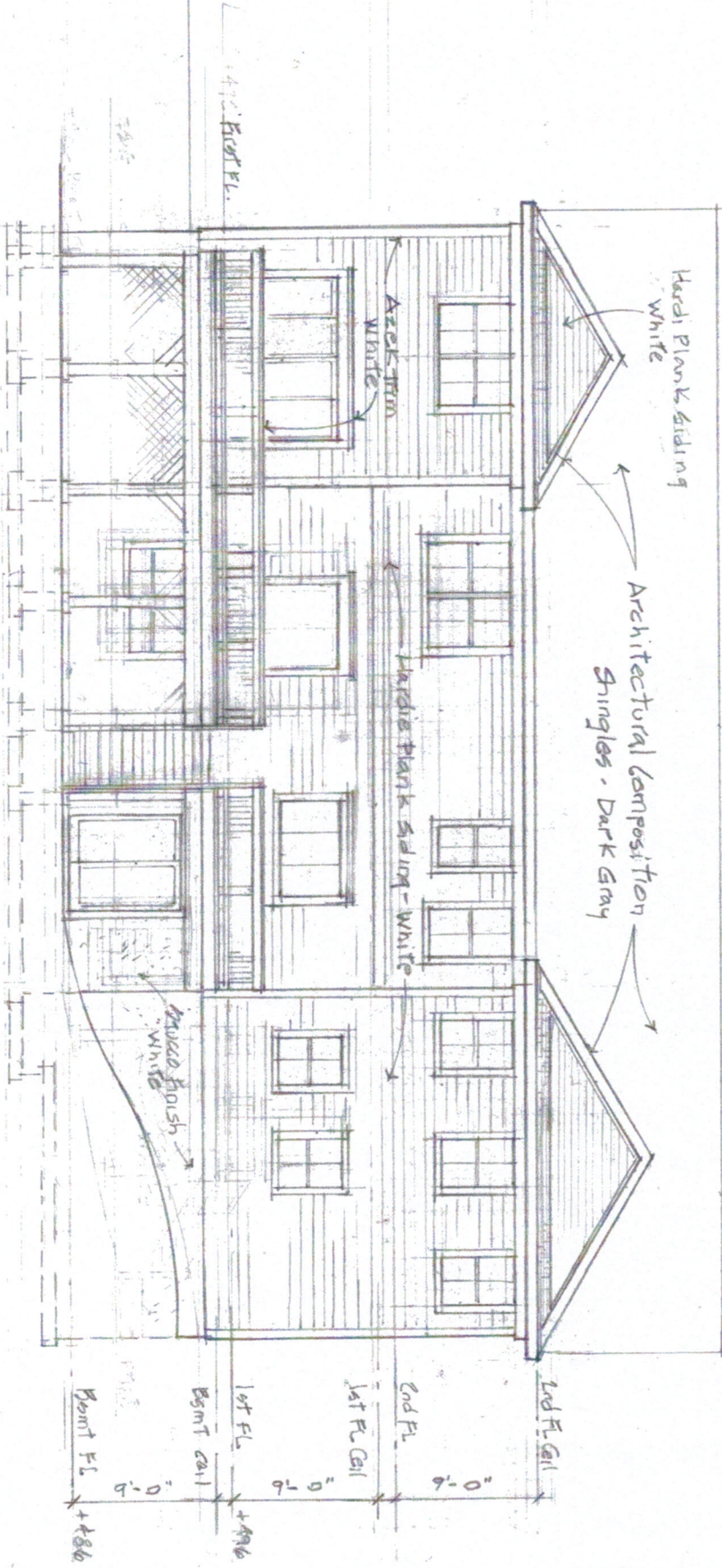


9-13-2002  
9-8-2002

NEW RESIDENCE  
BY DAVID SACARNY

ROBERT ZUMWALT A.I.A. ARCHITECT  
47 SPRING LANE, CHAPPAQUA, NY 10514  
714-3933 E-MAIL: REZUMWALT@AOL.COM





REAR ELEVATION

SCALE: 1/8" = 1'-0"

9-19-2022  
7-8-2022

NEW RESIDENCE  
BY DAVID SACARNY

44 BYRAM RIDGE RD, NORTH CASTLE, NY

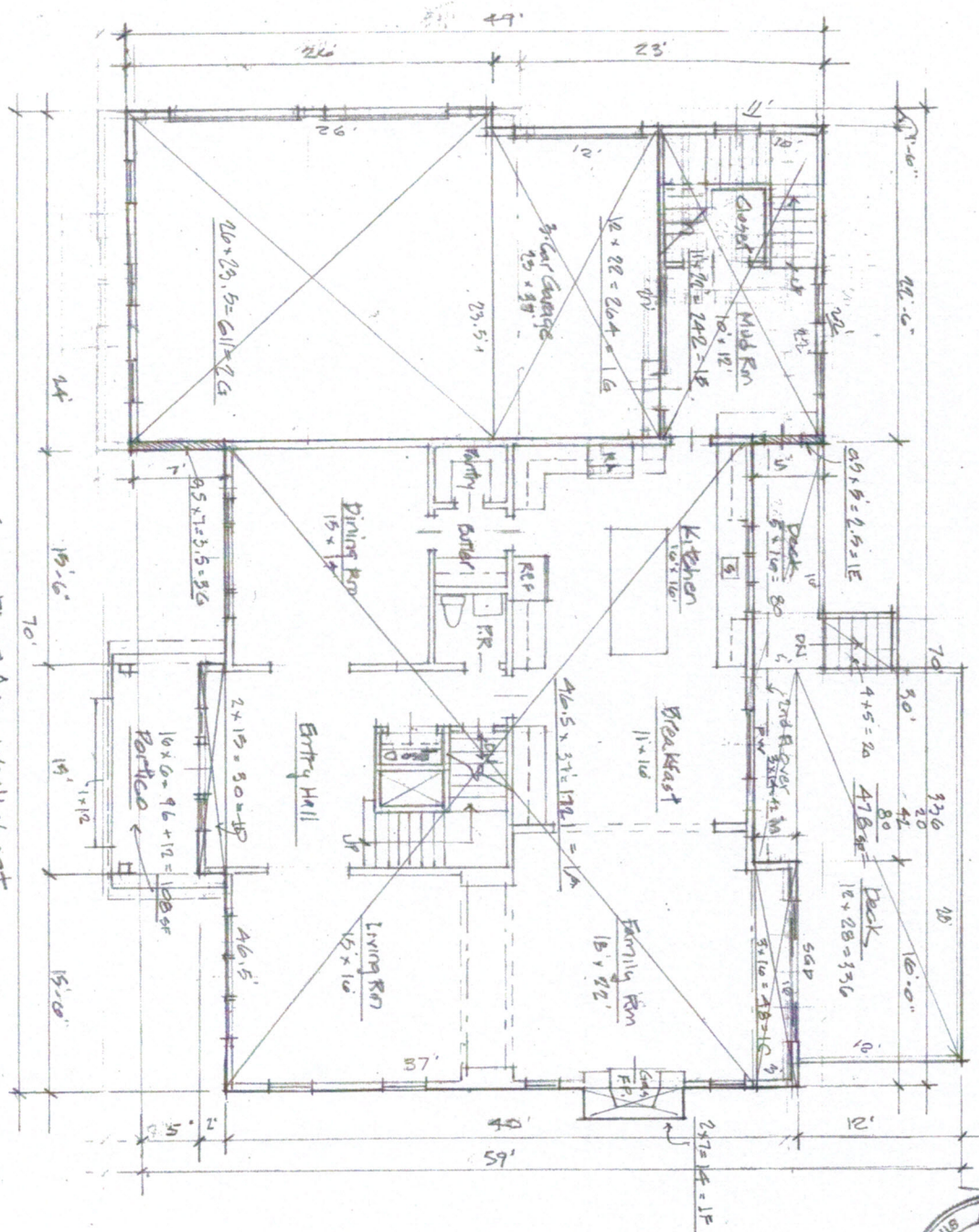
ROBERT ZUMWALT A.I.A. ARCHITECT  
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714-3933 E-MAIL: REZUMWALT@AOL.COM



Garage:  
 1G = 264  
 2G = 611  
 7B = 2.5  
 5B  
 Total 878.5 SF

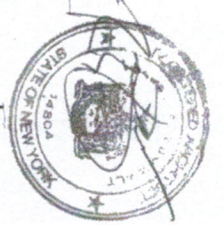
First Floor  
 1A = 1,121  
 1B = 242  
 1C = 48  
 1D = 30  
 1E = 8  
 1F = 14  
 1ST FL  
 Total 2,058 SF

Totals:  
 First FL 2,058 SF  
 2nd FL 2,822 SF  
 Total 4,880 SF



GROSS FLOOR AREA WORKSHEET  
 PRELIMINARY FIRST FLOOR PLAN  
 SCALE: 1/8" = 1'-0"

4-13-2022  
 9-8-2022



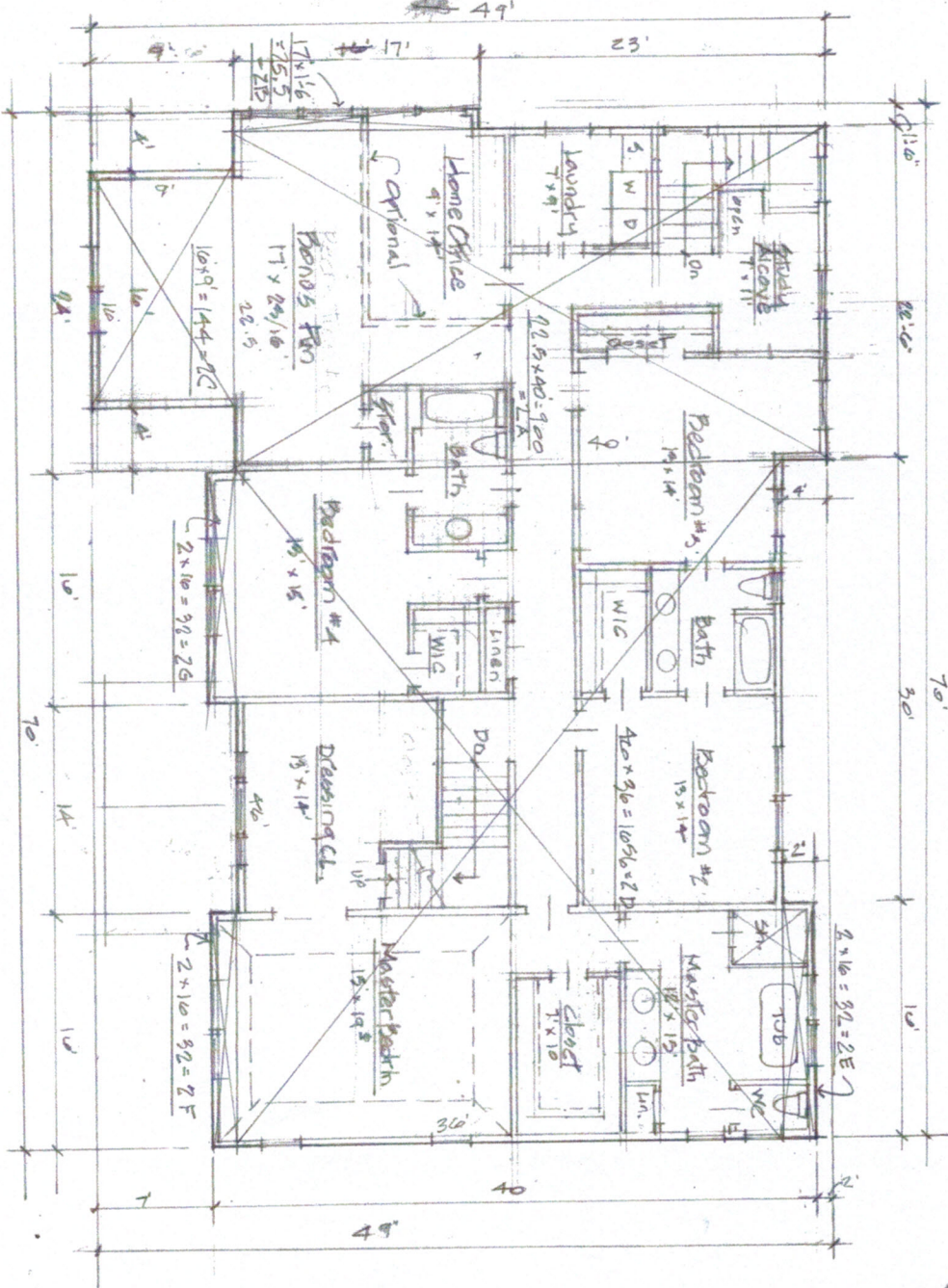
**NEW RESIDENCE**  
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 BYRAM RIDGE ROAD, NORTH CASTLE, NY

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FIRST FLOOR AREAS

Second Floor

2A =	400
2B =	25.5
2C =	144
2D =	1656
2E =	32
2F =	32
2G =	32
2H =	32
TOTAL	7,872 SF



Gross Floor Area Work sheet  
**PRELIMINARY SECOND FLOOR PLAN**  
 SCALE: 1/8" = 1'  
 9-13-2022  
 9-8-2022

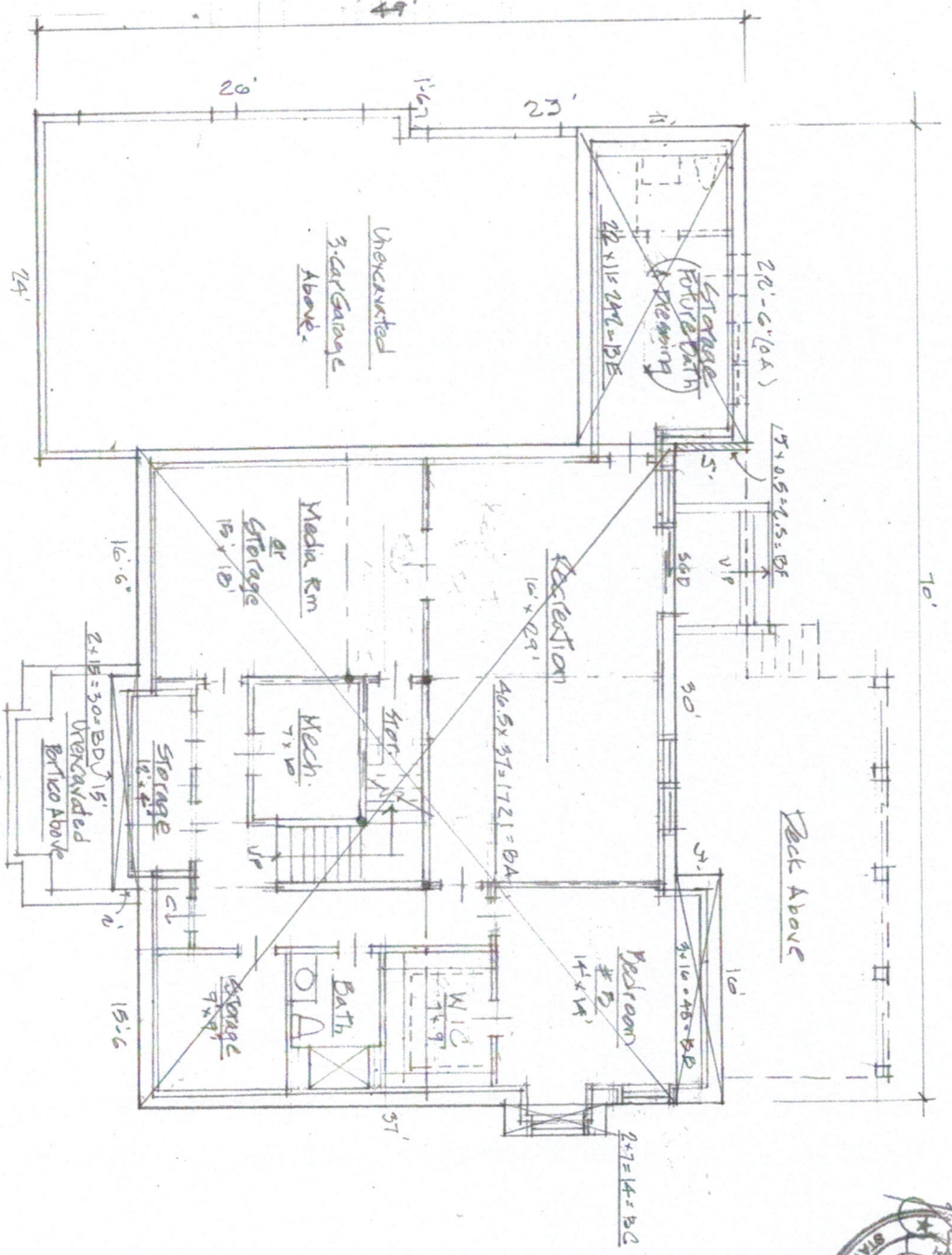
SECOND FLOOR AREAS

**NEW RESIDENCE**  
 BY DAVID SACARNY  
 BYRAM RIDGE ROAD, NORTH CASTLE, NY

ROBERT ZUMWALT A.I.A. ARCHITECT  
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 714-3933 E-MAIL: REZUMWALT@AOL.COM



Basement	
BA =	1,721
BB =	46
BC =	14
BD =	30
BE =	242
BF =	9
Bsmt	
Total =	2,058 sq



Gross Floor Area Worksheet  
PRELIMINARY BASEMENT PLAN  
 Scale: 1/8" = 1'-0"

(Not a Story)

7-13-2022  
 7-8-2022

BASEMENT  
 FLOOR  
 AREAS

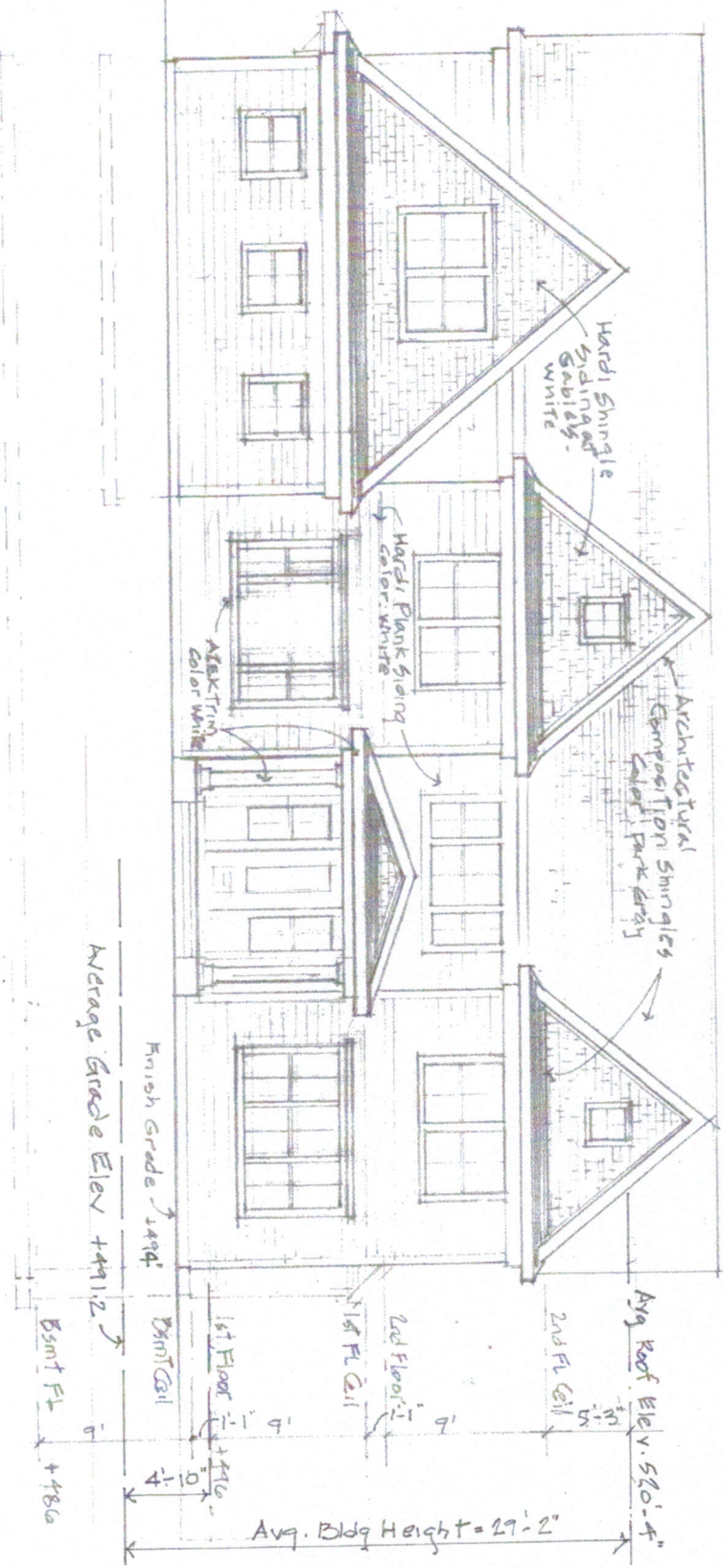
**NEW RESIDENCE**  
**BY DAVID SACARNY**  
 BYRAM RIDGE ROAD, NORTH CASTLE, NY

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**BUILDING HEIGHT & MAXIMUM EXTERIOR WALL HEIGHT EXHIBIT**

Average Building Height = 29'-2" See H-1  
 Maximum Wall Height = See H-2



**FRONT ELEVATION**

SCALE: 1/8" = 1'-0"

Avg Grade at Front = +494 For 70' Wn. Ft.

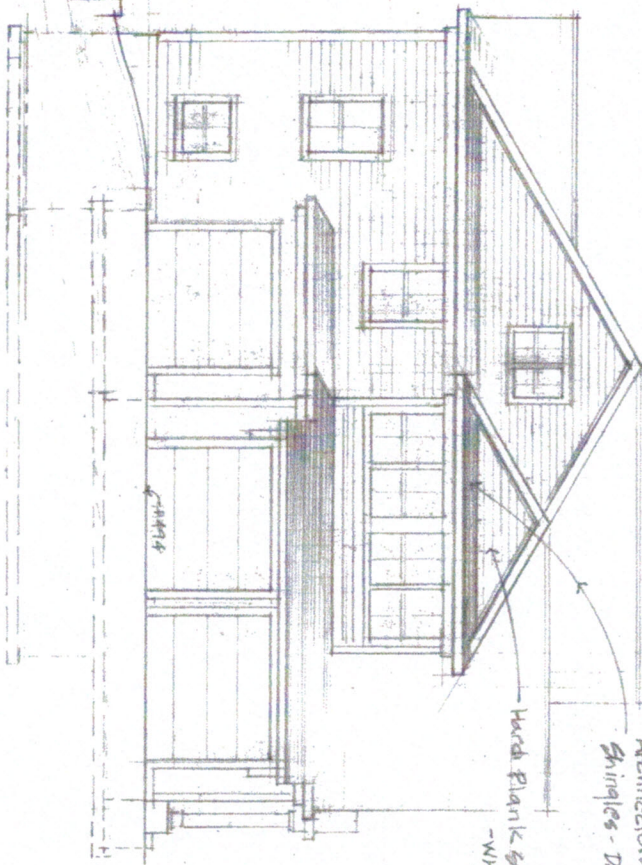
9-13-2022  
 9-8-2022



**NEW RESIDENCE**  
**BY DAVID SACARNY**  
 44 BYRAM RIDGE RD, NORTH CASTLE, NY

**ROBERT ZUMWALT A.I.A. ARCHITECT**  
 47 SPRING LANE, CHAPPAQUA, NY 10514  
 714-3933 E-MAIL: REZUMWALT@AOL.COM

**H-1**

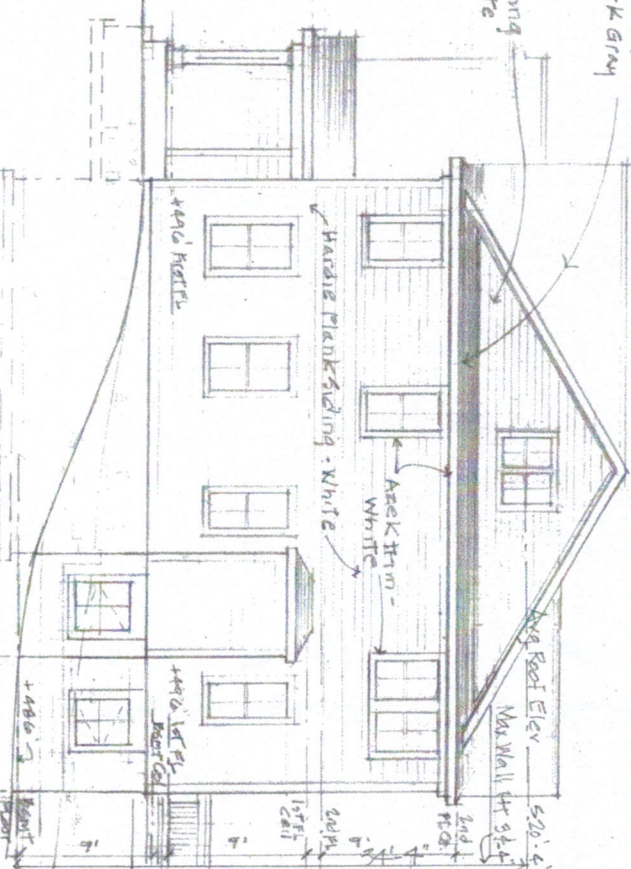


LEFT SIDE ELEVATION

SCALE: 1/8" = 1'-0"  
 Avg. Grade Left Side: +494 x 491 +493 x 6'

Architectural Composition  
 Shingles - Dark Gray

Hard Plank Siding - White



RIGHT SIDE ELEVATION

SCALE: 1/8" = 1'-0"  
 Avg. Grade Right Side: +490 x 40'  
 Max Wall Ht = 34'-4"

Avg. Roof Elev  
 Max Wall Ht 34'-4"

Hardie Plank Siding - White

Arch Trim - White

+490 ROOF

+490 1st FL  
 ROOF CEILING

+486-3  
 ROOF

9-13-2022  
 9-8-2022

H-2

NEW RESIDENCE  
 BY DAVID SACARNY  
 44 BYRAM RIDGE RD, NORTH CASTLE, NY

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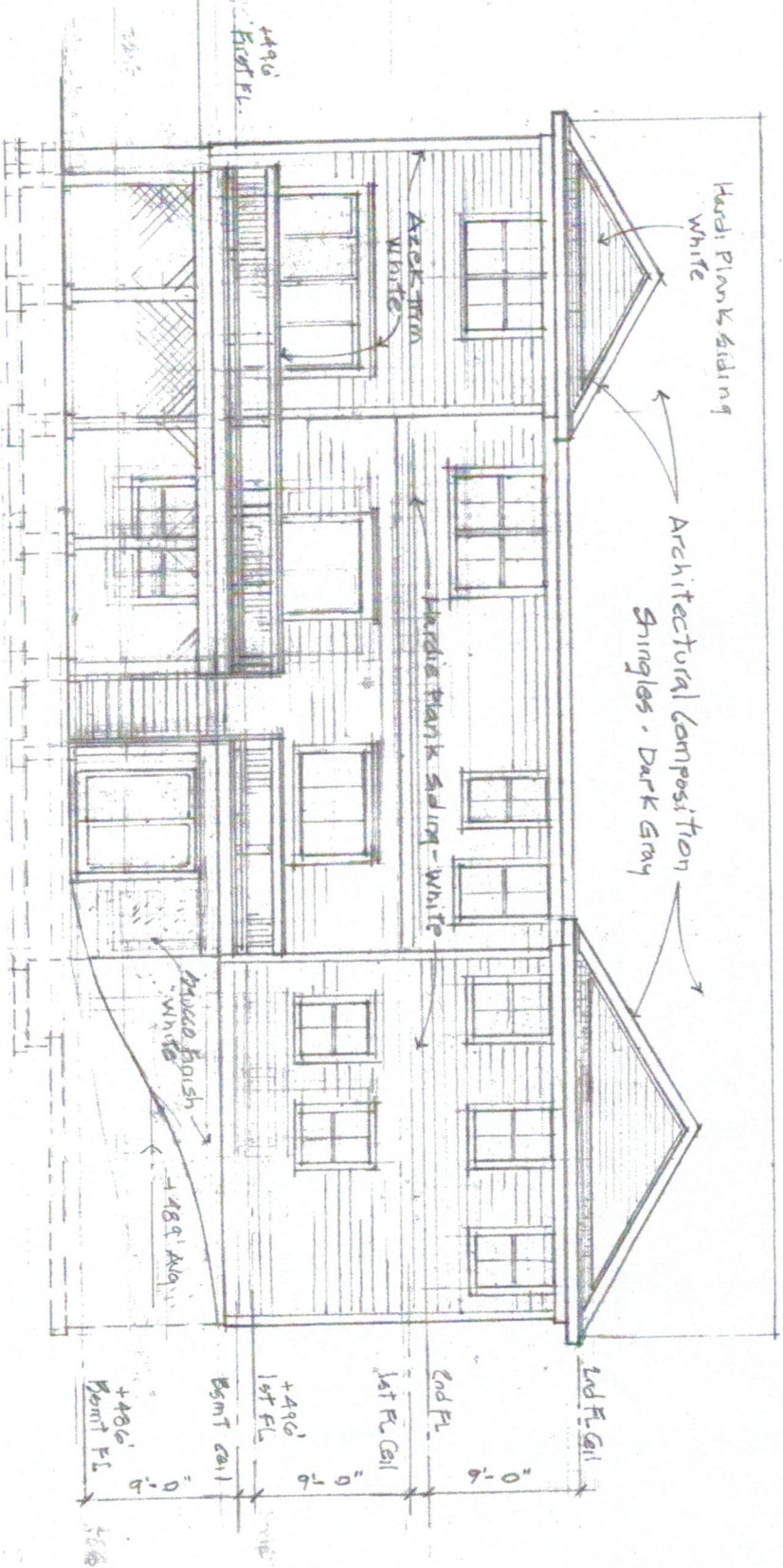




**AVERAGE GRADE CALCULATION**

Front:	+ 494' x 70'	=	34,580
Rear:	+ 489' Avg for 27'	=	13,203
	+ 486' x 45'	=	20,898
Left:	+ 494' x 42'	=	20,748
	+ 493' Avg x 8'	=	3,944
Right:	+ 490' Avg x 40'	=	19,600
<b>Totals:</b>			<b>112,973</b>

Avg Grade =  $112,973 / 230' = 491.2$   
 First Fl Elev =  $+490'$  - Avg Grade of  $491.2 = 4.8'$   
 4.8' or less than 6' Basement is NOT a story



**REAR ELEVATION**

Avg Grade at Rear, 489' x 27' plus 486' x 48'

SCALE: 1/8" = 1'-0"

9-13-2022  
9-8-2022



**ROBERT ZUMWALT A.I.A. ARCHITECT**  
 47 SPRING LANE, CHAPPAQUA, NY 10514  
 714-3933 E-MAIL: REZUMWALT@AOL.COM

**H-3**

**NEW RESIDENCE**  
 BY DAVID SACARNY  
 44 BYRAM RIDGE RD, NORTH CASTLE, NY



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

### GROSS LAND COVERAGE CALCULATIONS WORKSHEET

Application Name or Identifying Title: Residence by David Saccarney Date: \_\_\_\_\_

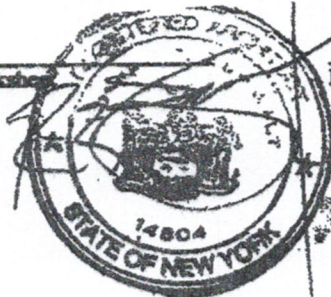
Tax Map Designation or Proposed Lot No.: 101.03 - 4 - 46

Gross Lot Coverage

- |     |  |               |
|-----|--|---------------|
| 1.  | Total lot Area (Net Lot Area for Lots Created After 12/13/06):           | <u>44,074</u> |
| 2.  | Maximum permitted gross land coverage (per Section 355-26.C(1)(b)):      | <u>9,396</u>  |
| 3.  | BONUS maximum gross land cover (per Section 355-26.C(1)(b)):             |               |
|     | Distance principal home is beyond minimum front yard setback (50 to 60') | <u>100</u>    |
|     | <u>10</u> x 10 = <u>100</u>  |               |
| 4.  | TOTAL Maximum Permitted gross land coverage = Sum of lines 2 and 3       | <u>9,496</u>  |
| 5.  | Amount of lot area covered by principal building:                        |               |
|     | <u>0</u> existing + _____ proposed =                                     | <u>2,937</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>0</u> existing + <u>478</u> proposed =                                | <u>478</u>    |
| 8.  | Amount of lot area covered by porches:                                   |               |
|     | <u>0</u> existing + <u>108</u> proposed =                                | <u>108</u>    |
| 9.  | Amount of lot area covered by driveway, parking areas and walkways:      |               |
|     | <u>0</u> existing + <u>2,319</u> proposed =                              | <u>2,319</u>  |
| 10. | Amount of lot area covered by terraces:                                  |               |
|     | <u>0</u> existing + <u>0</u> proposed =                                  | <u>0</u>      |
| 11. | Amount of lot area covered by tennis court, pool and mechanical equip:   |               |
|     | <u>0</u> existing + <u>0</u> proposed =                                  | <u>0</u>      |
| 12. | Amount of lot area covered by all other structures:                      |               |
|     | <u>0</u> existing + <u>0</u> proposed =                                  | <u>0</u>      |
| 13. | Proposed gross land coverage: Total of Lines 5 - 12 =                    | <u>5,842</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 Preparing Worksheet



9-22-22  
Date



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

PLANNING DEPARTMENT  
 Adam R. Kaufman, AICP  
 Director of Planning

January 29, 2019  
 Telephone: (914) 273-3542  
 Fax: (914) 273-3554  
 www.northcastleny.com

**FLOOR AREA CALCULATIONS WORKSHEET**

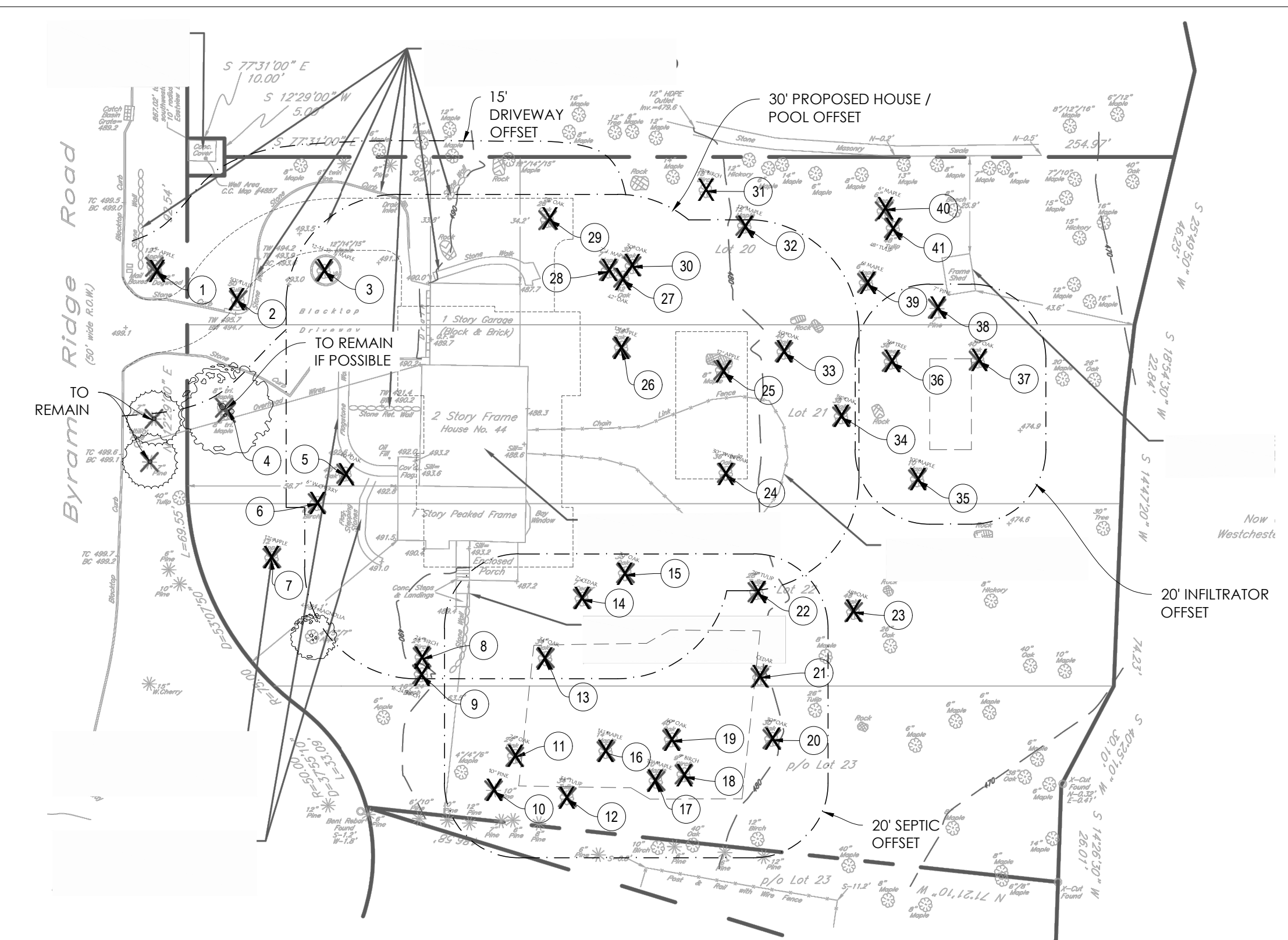
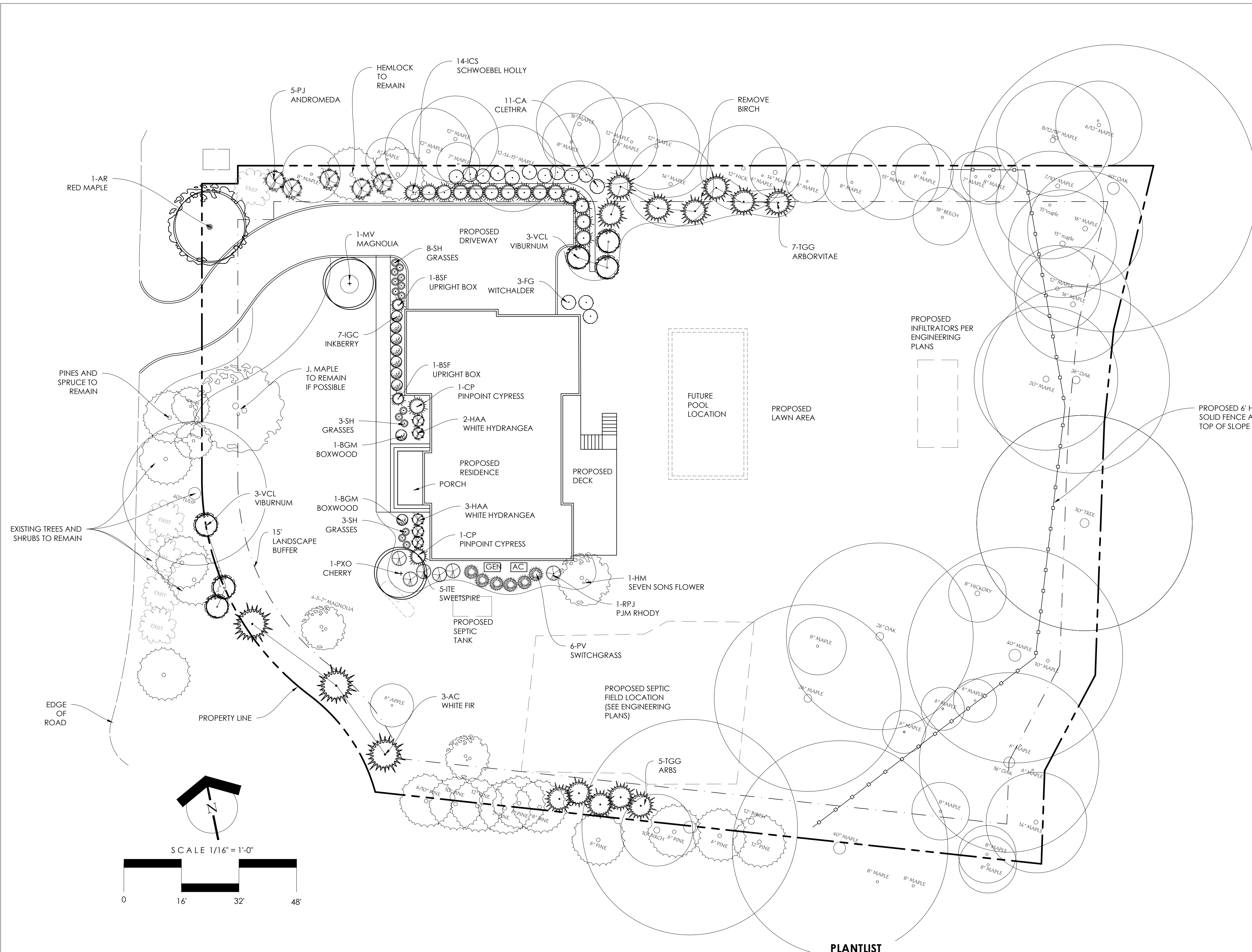
Application Name or Identifying Title: Residence by David Searles Date: 1-8-2022  
 Tax Map Designation or Proposed Lot No.: 44 Bryan R. Sipe Rd, Armonk, NY

Floor Area

1. Total Lot Area (Net Lot Area for Lots Created After 12/13/06): 44074
2. Maximum permitted floor area (per Section 355-26.B(4)): 7757
3. Amount of floor area contained within first floor:  
 existing + 2,197 proposed = 2,058
4. Amount of floor area contained within second floor:  
 existing + 822 proposed = 2,822
5. Amount of floor area contained within garage:  
 existing + 879 proposed = 879
6. Amount of floor area contained within porches capable of being enclosed:  
 existing + 108 proposed = 108
7. Amount of floor area contained within basement (if applicable - see definition):  
 existing + 0 proposed = NOT A STORY
8. Amount of floor area contained within attic (if applicable - see definition):  
 existing + 0 proposed = 0
9. Amount of floor area contained within all accessory buildings:  
 existing + 0 proposed = 0
10. Proposed floor area: Total of Lines 3 - 9 = 5867

If Line 10 is less than or equal to Line 2, your proposal complies with the Town's maximum floor area regulations and the project may proceed to the Residential Project Review Committee for review. If Line 10 is greater than Line 2 your proposal does not comply with the Town's regulations.

Signature and Seal of Professional Preparing Worksheet: [Signature] Date: 1-8-2022



**TREE REMOVAL PLAN**

SCALE 1" = 30'

41 TREES TO BE REMOVED.

- TREES TO BE REMOVED FALL WITHIN EITHER THE FOOTPRINT OF THE PROPOSED DEVELOPMENT OR WITHIN THE FOLLOWING OFFSETS:
- 3' TO AN EXISTING OR PROPOSED WALKWAY
  - 20' TO AN EXISTING OR PROPOSED SEPTIC, DRYWELLS, INFILTRATORS
  - 15' TO AN EXISTING OR PROPOSED DRIVEWAY
  - 30' TO AN EXISTING OR PROPOSED STRUCTURE

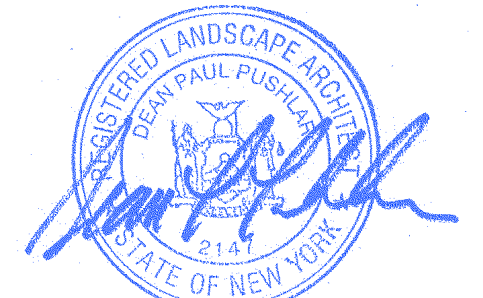
THE FOLLOWING TREES ARE LOCATED OUTSIDE OF THE ABOVE LIMITS AND ARE BEING REMOVED FOR THE FOLLOWING REASONS:

- #7 12" APPLE DISEASED
- #23 48" OAK WITHIN LIMITS OF GRADING (SEE ENGINEERING PLAN)
- #31 18" BIRCH ROTTEN TRUNK AT BASE
- #39 6" MAPLE WITHIN LIMITS OF GRADING (SEE ENGINEERING PLAN)
- #40 6" MAPLE WITHIN LIMITS OF GRADING (SEE ENGINEERING PLAN)
- #41 48" TULIP WITHIN LIMITS OF GRADING (SEE ENGINEERING PLAN)

TREE #4 IS A 8" TRIPLE MULTI-STEM JAPANESE MAPLE AND THE OWNER WILL ATTEMPT TO SAVE THIS TREE. HOWEVER, DUE TO THE LOW BRANCH STRUCTURE AND LOCATION ADJACENT TO THE PROPOSED DRIVEWAY IT IS A LOW PROBABILITY OF SAVING BUT WORTH THE EFFORT.

**GENERAL NOTES**

BASE INFORMATION ENTITLED "PROPOSED SINGLE-FAMILY RESIDENCE" HAS BEEN PREPARED BY HUDSON ENGINEERING AND CONSULTING OF ELMSFORD, NEW YORK DATED SEPTEMBER 23, 2022 AND REFERENCES SURVEY BY WARD CARPENTER ENGINEERING INC. DATED MAY 17, 2022.



**dean pushlar** ASLA, PLA  
 licensed landscape architect  
 www.deanpushlar.com  
 dpushlar@charter.net  
 203-733-8516  
 13 Kimberly Drive  
 Brookfield, CT 06804



**PRIVACY FENCE**  
 NATURAL CEDAR OR DARK GREEN PVC.

revision: \_\_\_\_\_  
 date: SEPTEMBER 30, 2022

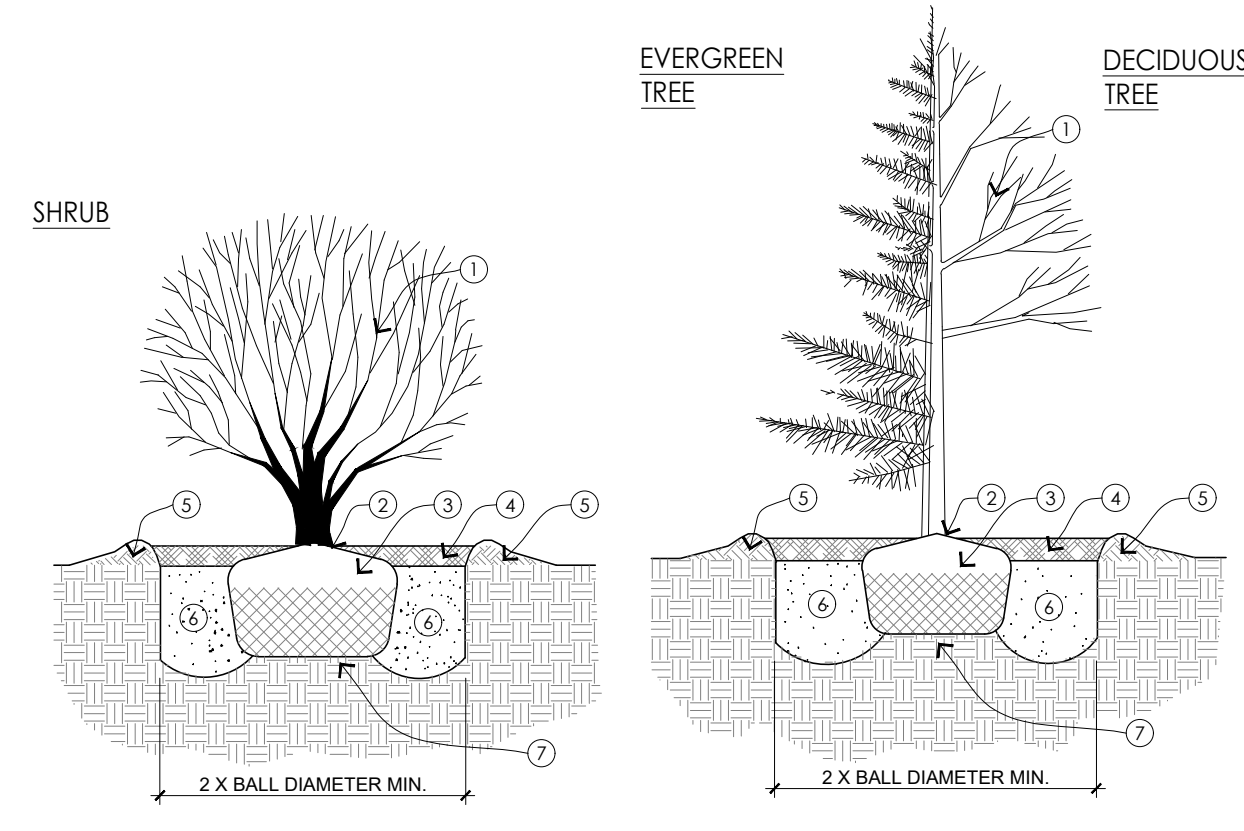
**NEW RESIDENCE**  
 44 BYRAM RIDGE ROAD  
 ARMONK, NEW YORK  
 TOWN OF NORTH CASTLE

**PLANTING PLAN**  
 job number: xxx  
 scale: as shown  
 drawn by: dpp

drawing number: **L-1.0**

**PLANTING NOTES:**

1. ALL BIDS INCLUDE SITE PREPARATION, SOIL, AND PLANT MATERIALS, TREE PITS, INSTALLATION, FERTILIZER, MULCH, GUYING, AND TREE GUARANTEE, UNLESS OTHERWISE STATED.
2. LANDSCAPE CONTRACTOR IS TO LOCATE AND VERIFY ALL UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO DIGGING FOR FIELD VERIFICATION. THE OWNER AND LANDSCAPE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO UTILITY LINES OR IRRIGATION LINES.
3. LANDSCAPE CONTRACTOR IS TO VERIFY ALL CURRENT DRAWINGS AND CHECK DISCREPANCIES AND BRING TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO COMMENCING WITH THE WORK.
4. PLANTING PLANS SHALL TAKE PRECEDENCE OVER PLANT LISTS IN CASE OF DISCREPANCIES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES NECESSARY TO COMPLETE THE PLANTINGS AS SPECIFIED ON THE PLANTING PLAN. CONTRACTOR(OWNER) TO ADJUST QUANTITIES OF HEDGES AS NEEDED TO ACHIEVE A CONTINUOUS HEDGE WITH NO GAPS BETWEEN SHRUBS.
5. NO CHANGES ARE TO BE MADE WITHOUT THE PRIOR CONSENT OF THE LANDSCAPE ARCHITECT AND OWNER.
6. PROVIDE ALL TOPSOIL NECESSARY TO COMPLETE ALL APPROPRIATE PLANTINGS AND BERMS AND TO PROVIDE FOR PROPER DRAINAGE OF PLANTING AREAS.
7. ALL PLANT MATERIALS ARE TO BE INSTALLED IN COMPLIANCE WITH STANDARDS AS ESTABLISHED BY RECOGNIZED LANDSCAPE ARCHITECTURAL AND AMERICAN NURSERY AND LANDSCAPE ASSOCIATION PRACTICES. SIZE AND GRADING STANDARDS SHALL CONFORM TO "AMERICAN STANDARD FOR NURSERY STOCK," SPONSORED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION. PLANTS SHALL EQUAL OR EXCEED SIZES AS SCHEDULED.
8. ALL AREAS INDICATED AS LAWN SHALL BE SEEDED AND MULCHED AND RE-SEEDED TO ESTABLISH LAWN. PROVIDE UNIT PRICE AS WELL AS QUANTITY.
9. ALL AREAS INDICATED AS SOD SHALL RECEIVE SOD.
10. ALL EXISTING AREAS AND NEW LAWN DISTURBED DURING THE CONSTRUCTION PROCESS SHALL BE REPAIRED AND SEEDED TO ESTABLISH LAWN FREE OF DEPRESSIONS CAUSED BY CONSTRUCTION.
11. TOP ALL PLANTING BEDS WITH SHREDDED BARK MULCH, 2" DEEP, AFTER ALL MATERIAL HAS BEEN PLANTED AND WEEDS REMOVED.
12. INSTALL NEW IRRIGATION SYSTEM AS REQUIRED TO PROPERLY PROVIDE 100% COVERAGE OF ALL NEW LAWN AREAS, SHRUB AND TREE AREAS.

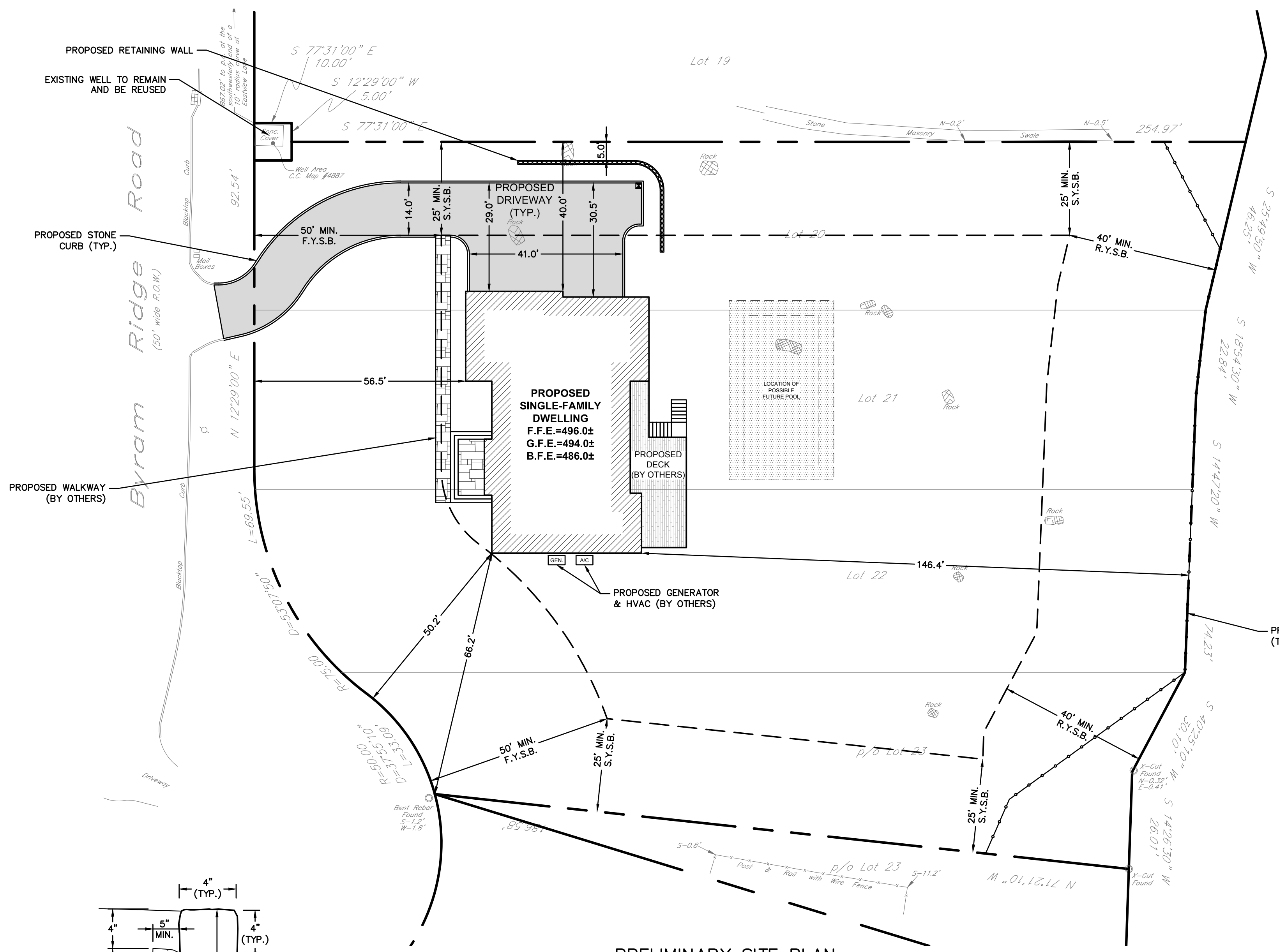


**SHRUB AND TREE PLANTING DETAIL**  
 SCALE = N.T.S.

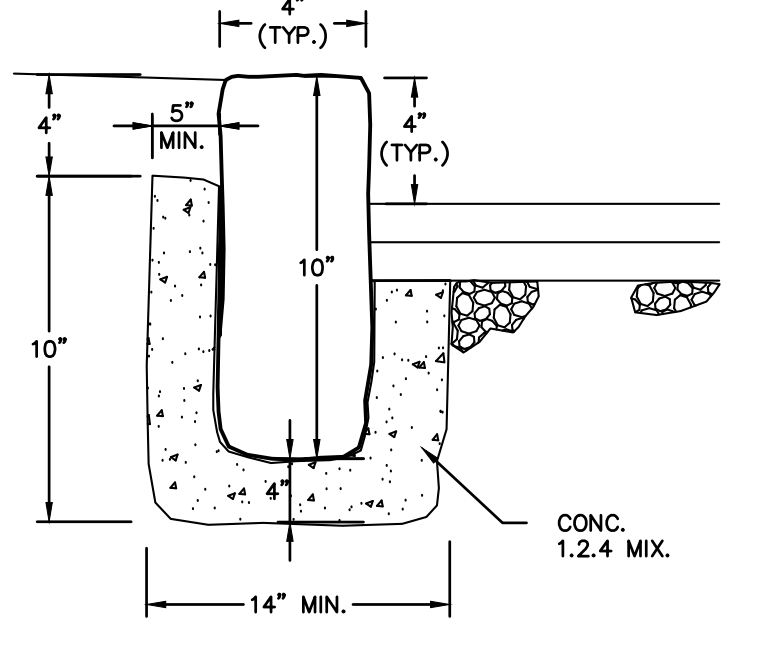
- NOTE:** STAKING, GUYING AND WRAPPING TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT. DETAILS PROVIDED UPON NECESSITY.
1. PRUNING ONLY TO REMOVE BROKEN OR DEAD LIMBS. CO-DOMINANT LEADER OR CROSSING BRANCHES.
  2. TOP OF ROOTBALL TO BE SET FLUSH WITH ADJACENT GRADE OR SLIGHTLY HIGHER IN POORER SOILS. ROOT FLARE SHALL BE VISIBLE.
  3. REMOVE ROPE, TWINE, EXCESS SOIL, WIRE, BURIAL AT TOP 1/3 OF ROOTBALL. REMOVE ALL NON-Biodegradable MATERIAL, TOTALLY FROM BALL.
  4. MULCH WITH 3" PARTIALLY DECOMPOSED SHREDDED HARDWOOD MULCH, DARK IN COLOR OR APPROVED SUBSTITUTE. DO NOT COVER ROOT FLARE.
  5. 4" HIGH X 6" DIAMETER MIN. COMPACTED SAUCER BEYOND EDGE OF ROOTBALL.
  6. PLANTING MIX - IN LOAMY SOILS BACKFILL WITH EXISTING SOIL. IN SANDY SOILS ADD 20% MAX. ORGANIC MATTER. ALERT LANDSCAPE ARCHITECT IF POOR SOILS ARE PRESENT! TAMP WITH FOOT AND WATER IN 6" LIFTS.
  7. ROOTBALL TO REST ON UNDISTURBED OR COMPACTED SOIL TO PREVENT SETTLING.

**PLANTLIST**

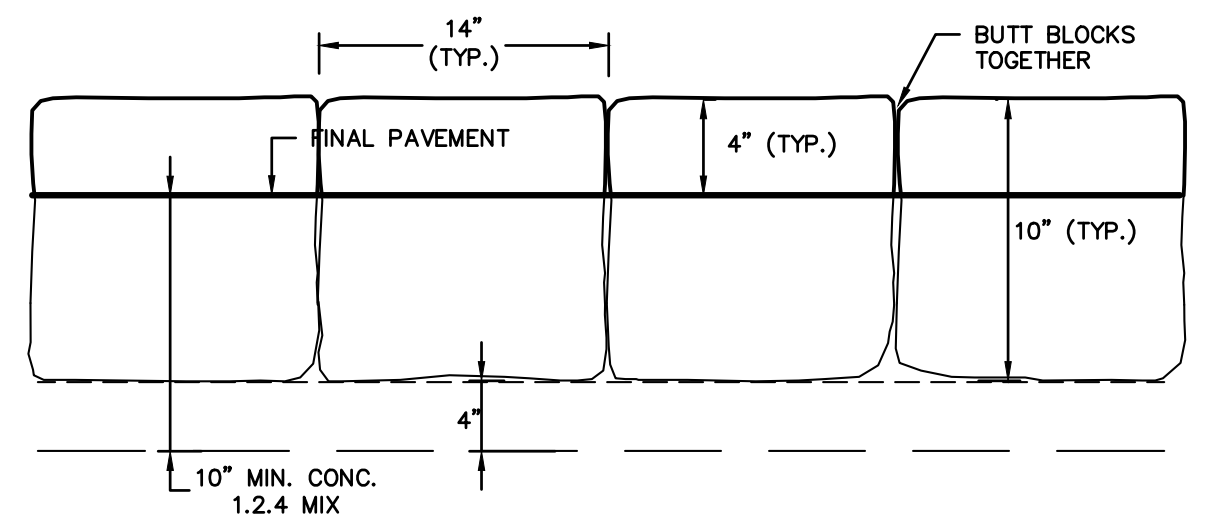
KEY	QUAN	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
<b>DECIDUOUS TREES</b>					
AR	1	<i>Acer rubrum</i> "Autumn Flame", red sunset, ocf	Red Maple	3-3.5" cal.	B&B
HM	1	<i>Heptacodium miconoides</i>	Seven-Sons-Flower	6-7' ht.	B&B
MV	1	<i>Magnolia virginiana</i>	Sweetbay	8-9' ht.	B&B
PXO	1	<i>Prunus x Okame</i>	Okame Cherry	3-3.5" cal.	B&B
<b>EVERGREEN TREES</b>					
AC	3	<i>Abies Concolor</i>	White Fir	8-9' ht.	B&B
CLP	2	<i>Chamaecyparis lawsonii</i> 'Pinpoint Blue'	Pinpoint Blue Falsecypress	5-6' ht.	cont.
TGG	12	<i>Thuja plicata</i> 'Green Giant'	Green Giant Arborvitae	7-8' ht.	B&B
<b>DECIDUOUS SHRUBS</b>					
CA	11	<i>Clethra alnifolia</i> 'Hummingbird'	Summersweet	#6 cont.	
FG	3	<i>Fothergilla gardenii</i>	Dwarf Witchalder	3-4' ht.	white
HAA	5	<i>Hydrangea arborescens</i> 'Annabelle'	Annabelle Hydrangea	#3 cont.	white
ITE	5	<i>Itea virginica</i> 'Little Henry'	Virginia Sweetspire	#5 cont.	4' o.c.
VCL	6	<i>Viburnum dentatum</i> 'Chicago Luster'	Arrowwood Viburnum	4-5' ht.	B&B
<b>EVERGREEN SHRUBS</b>					
BGM	2	<i>Buxus</i> x 'Green Mountain'	Green Mountain Boxwood	36-42" ht.	B&B
BSF	2	<i>Buxus sempervirens</i> 'Fastiglata'	Upright Boxwood	4-5' ht.	B&B
ICS	14	<i>Ilex crenata</i> 'Schwoebel'	Schwoebel Holly	42-48" ht.	B&B
IGC	7	<i>Ilex glabra</i> 'Compacta'	Compact Inkberry	24-30" ht.	B&B
PJMF	5	<i>Pteris japonica</i> 'Mountain Fire'	Mountain Fire Andromeda	#10 cont.	
RPJ	1	<i>Rhododendron PJM</i>	PJM Rhododendron	#6 cont.	B&B
<b>PERENNIALS, GRASSES AND FERNS</b>					
PV	6	<i>Panicum virgatum</i> 'Shanenedoa'	Switchgrass	#3 cont.	4' o.c.
SH	14	<i>Sporobolus heterolepis</i>	Prairie Dropseed	#1 cont.	30" o.c.



**PRELIMINARY SITE PLAN**  
(SCALE: 1" = 20')

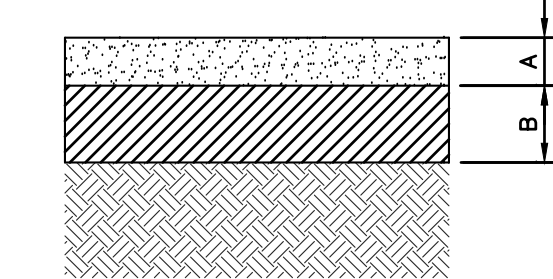


**SECTION**

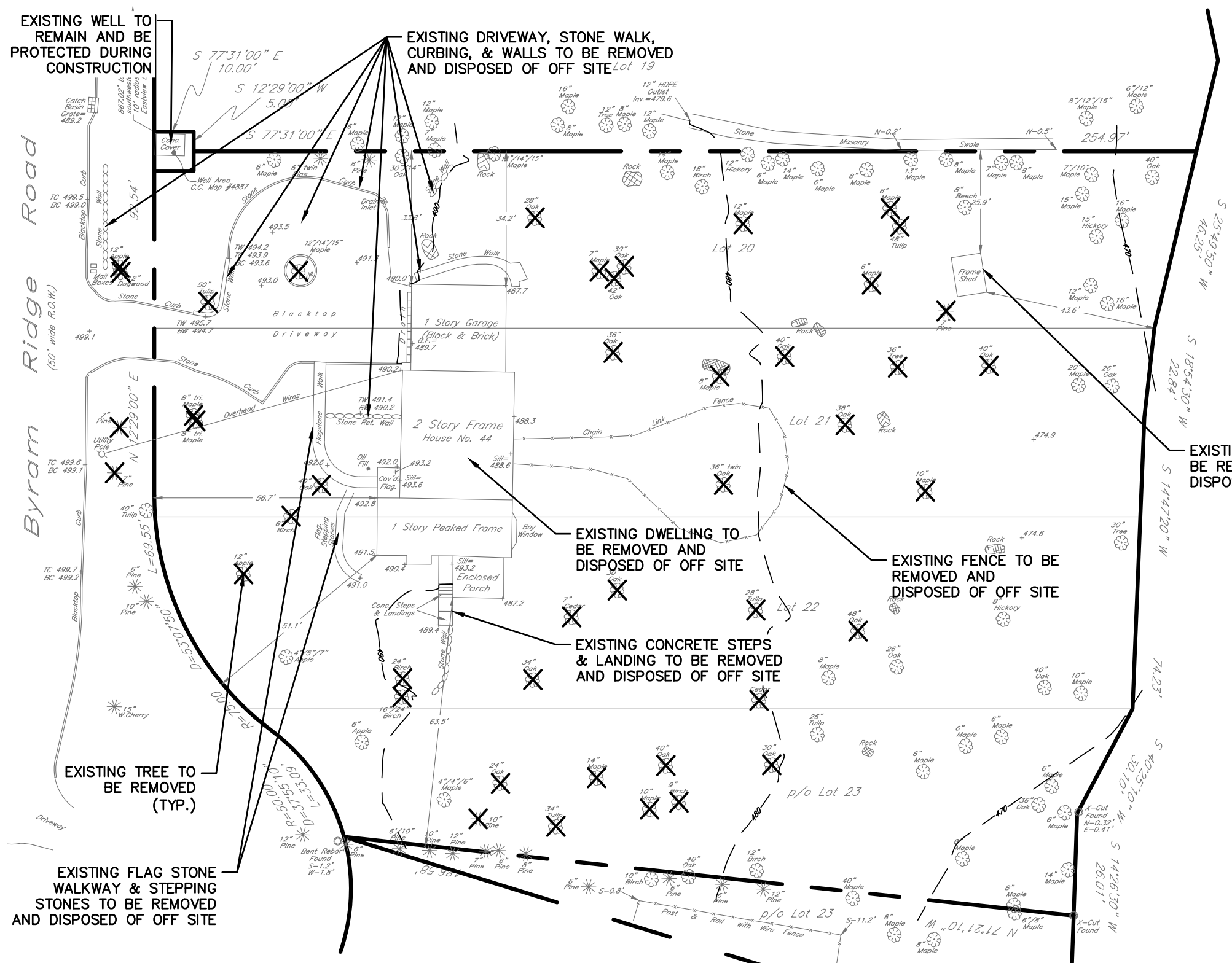


**ELEVATION**  
**BELGIUM BLOCK CURB DETAIL**

ZONING ANALYSIS TABLE (R-1A)			
SECTION / BLOCK / LOT: 101.03-4-46			
REGULATIONS	REQUIRED	EXISTING	PROVIDED
<b>MINIMUM LOT SIZE</b>			
MIN. LOT AREA (S.F.)	1 ACRE	44,074	NO CHANGE
MIN. LOT WIDTH (S.F.) (AT F.Y.S.B.)	125	73.9	NO CHANGE
MIN. LOT FRONTAGE (FT.)	125	64.0	NO CHANGE
MIN. LOT DEPTH (FT.)	150	156.1	NO CHANGE
<b>MINIMUM YARD DIMENSIONS</b>			
-FRONT (FT.)	50	51.1	50.2
-ONE SIDE (FT.)	25	33.8	40.0
-BOTH SIDES (FT.)	50	63.5	106.2
-REAR (FT.)	40	157.9	146.4
<b>MAXIMUM BUILDING HEIGHT</b>			
-STORIES	-	2	2
-FEET	30	-	28.58'
<b>MAXIMUM BUILDING COVERAGE</b>			
-LOT AREA	N.A. / 12%	2,184 / 4.96%	2,922 / 6.63%
<b>MINIMUM DWELLING UNIT SIZE</b>			
-(SQUARE FEET)	1,200	1.0	1.0



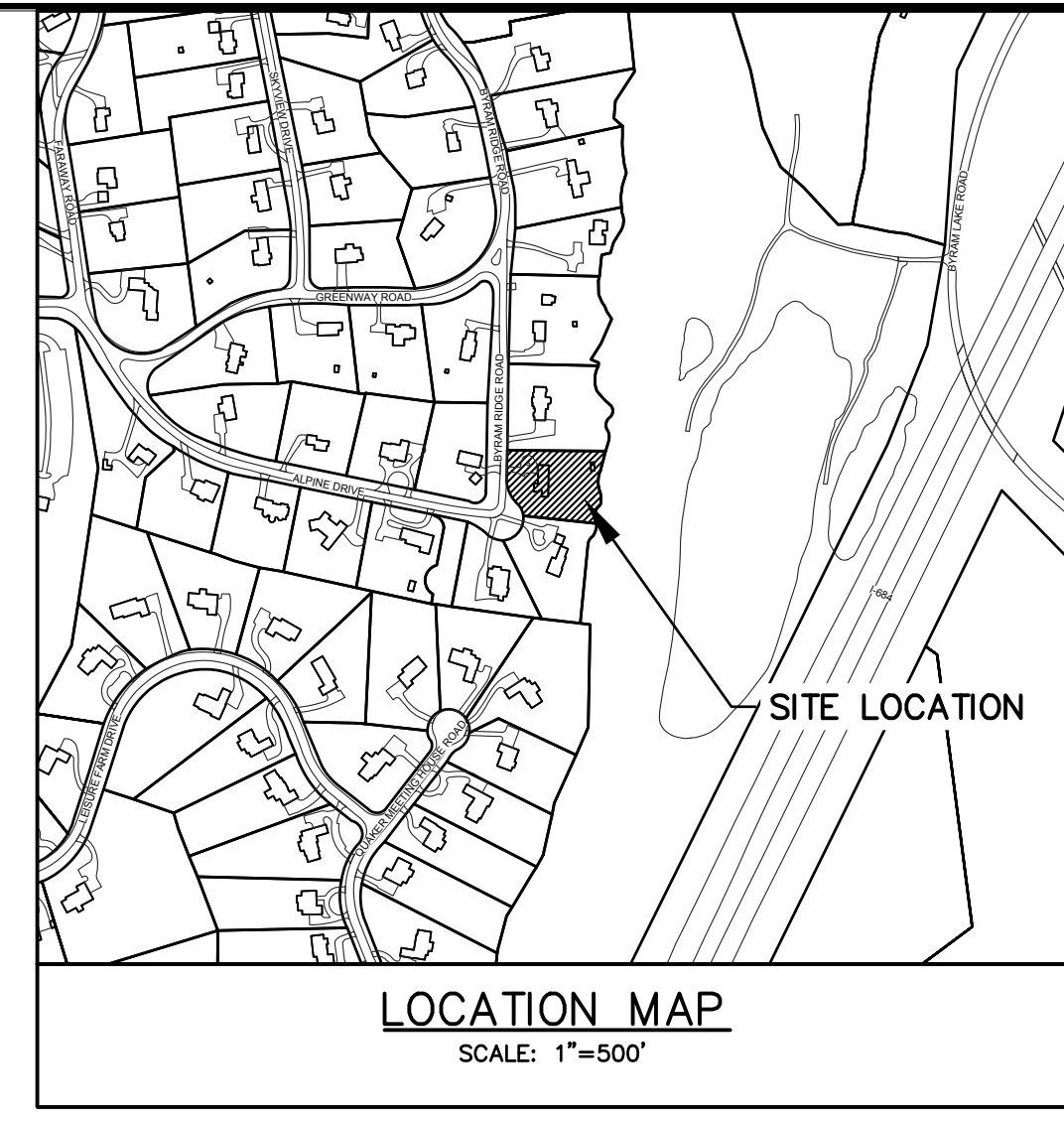
**DRIVEWAY PAVEMENT SECTION**



**DEMOLITION PLAN**  
(SCALE: 1" = 30')

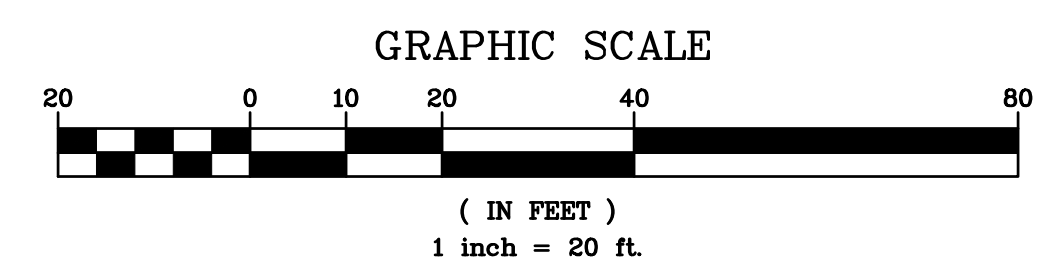
**LEGEND**

- PROPERTY LINE
- PROPOSED BELGIUM BLOCK CURB
- PROPOSED ASPHALT DRIVEWAY
- PROPOSED WALKWAY/PATIO
- PROPOSED STONE MASONRY WALL
- EXISTING TREE REMOVED



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

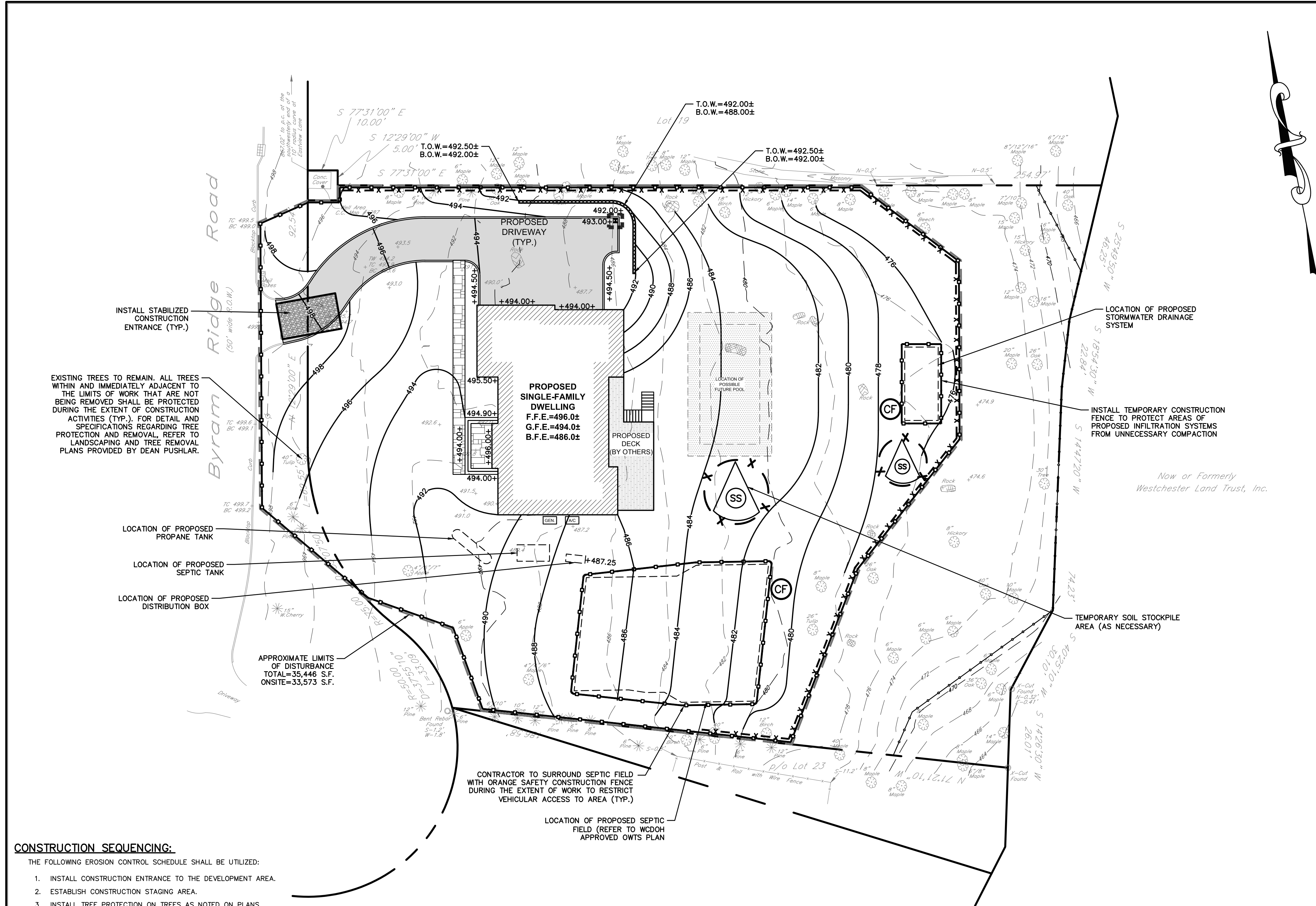
EXISTING INFORMATION SHOWN HEREON PROVIDED BY WARD CARPENTER ENGINEERING INC., DATED MAY 17, 2022



PROJECT: <b>PROPOSED SINGLE-FAMILY RESIDENCE</b> <b>44 BYRAN RIDGE ROAD</b> <b>TOWN OF NORTH CASTLE</b> <b>WESTCHESTER COUNTY - NEW YORK</b>	<b>HEC</b> <b>ENGINEERING CONSULTING, P.C.</b> 45 Knollwood Road - Suite 201 Elmford, New York 10523 T: 914-809-0420 F: 914-560-2086	Date: 09/23/22
		Scale: 1" = 20'
		Sheet No. 3

CONTRACTOR SHALL CONTACT DESIGN ENGINEER TO SCHEDULE A SITE INSPECTION PRIOR TO BACKFILLING INFILTRATION/ATTENUATION SYSTEM(S). ALL CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND VISIBLE AT TIME OF INSPECTION. SHOULD THE CONTRACTOR BACKFILL PRIOR TO INSPECTION, THE CONTRACTOR SHALL EXPOSE THE SYSTEM AT THEIR OWN EXPENSE.

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.



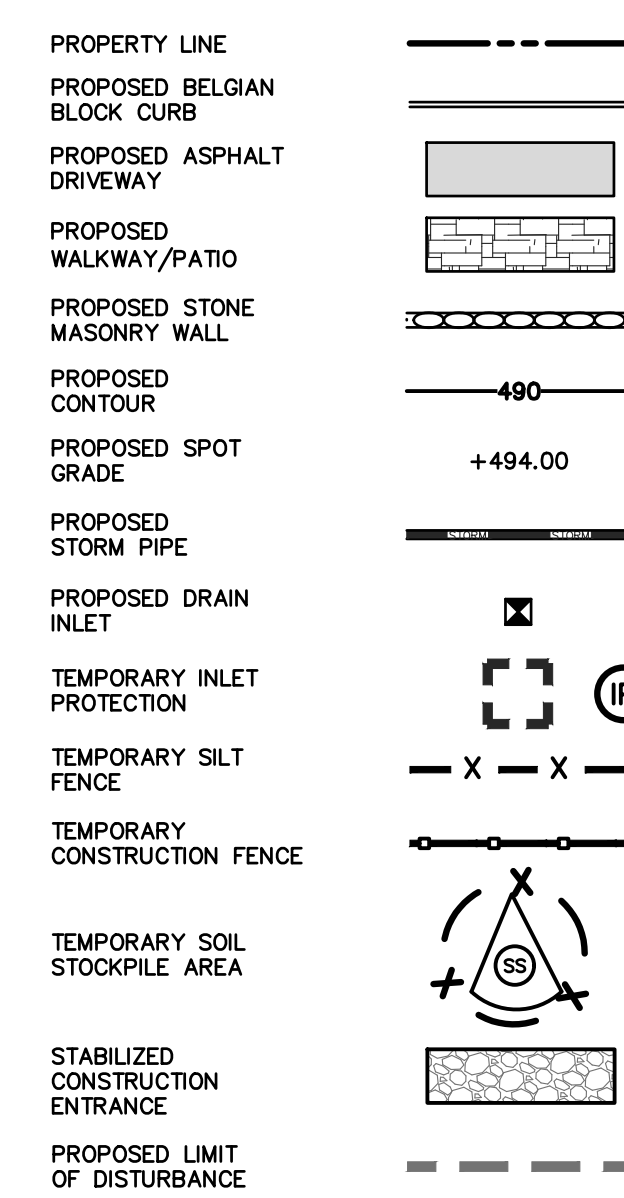
**CONSTRUCTION SEQUENCING:**

- THE FOLLOWING EROSION CONTROL SCHEDULE SHALL BE UTILIZED:
1. INSTALL CONSTRUCTION ENTRANCE TO THE DEVELOPMENT AREA.
  2. ESTABLISH CONSTRUCTION STAGING AREA.
  3. INSTALL TREE PROTECTION ON TREES AS NOTED ON PLANS.
  4. SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION.
  5. INSTALL SILT FENCE DOWN SLOPE OF ALL AREAS TO BE DISTURBED AS SHOWN ON THE PLAN.
  6. REMOVE TREES WHERE NECESSARY (CLEAR & GRUB) FOR THE PROPOSED CONSTRUCTION.
  7. STRIP TOPSOIL AND STOCKPILE AT THE LOCATIONS SPECIFIED ON THE PLANS (UP GRADIENT OF EROSION CONTROL MEASURES). TEMPORARILY STABILIZE TOPSOIL STOCKPILES (HYDROSEED DURING MAY 1ST THROUGH OCTOBER 31ST PLANTING SEASON OR BY COVERING WITH A TARPULIN(S) NOVEMBER 1ST THROUGH APRIL 30TH. INSTALL SILT FENCE AROUND TOE OF SLOPE.
  8. DEMOLISH ANY EXISTING SITE FEATURES AND/OR STRUCTURES NOTED AS BEING REMOVED ON THE CONSTRUCTION DOCUMENTS, AND DISPOSE OF OFF-SITE.
  9. ROUGH GRADE SITE.
  10. INSTALL ADDITIONAL SILT FENCING AS NECESSARY.
  11. ROUGH GRADE DRIVEWAY AND INSTALL CATCH BASINS AS WELL AS ALL ASSOCIATED ON-SITE PIPING.
  12. EXCAVATE AND CONSTRUCT FOUNDATIONS FOR NEW BUILDING.
  13. CONSTRUCT EXFILTRATION PRACTICE.
  14. CONSTRUCT BUILDING, INSTALL AND CONNECT ALL ROOF DRAIN LEADERS TO PREVIOUSLY INSTALLED EXFILTRATION PRACTICE.
  15. INSTALL CURBING, AND SUB-BASE COURSES. FINE GRADE AND SEED ALL DISTURBED AREAS. SPREAD SALT HAY OVER SEEDED AREAS.
  16. INSTALL BITUMINOUS CONCRETE TOP COURSE.
  17. CLEAN PAVEMENT, DRAIN LINES, CATCH BASINS, ATTENUATION GALLERY AND TREATMENT DEVICES.
  18. REMOVE ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES AFTER THE SITE IS STABILIZED WITH VEGETATION.
- \* SOIL EROSION AND SEDIMENT CONTROL MAINTENANCE MUST OCCUR WEEKLY AND PRIOR TO AND AFTER EVERY 1/2" OR GREATER RAINFALL EVENT.

CONTRACTOR SHALL CONTACT DESIGN ENGINEER TO SCHEDULE A SITE INSPECTION PRIOR TO BACKFILLING INFILTRATION/ATTENUATION SYSTEM(S). ALL CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND VISIBLE AT TIME OF INSPECTION. SHOULD THE CONTRACTOR BACKFILL PRIOR TO INSPECTION, THE CONTRACTOR SHALL EXPOSE THE SYSTEM AT THEIR OWN EXPENSE.

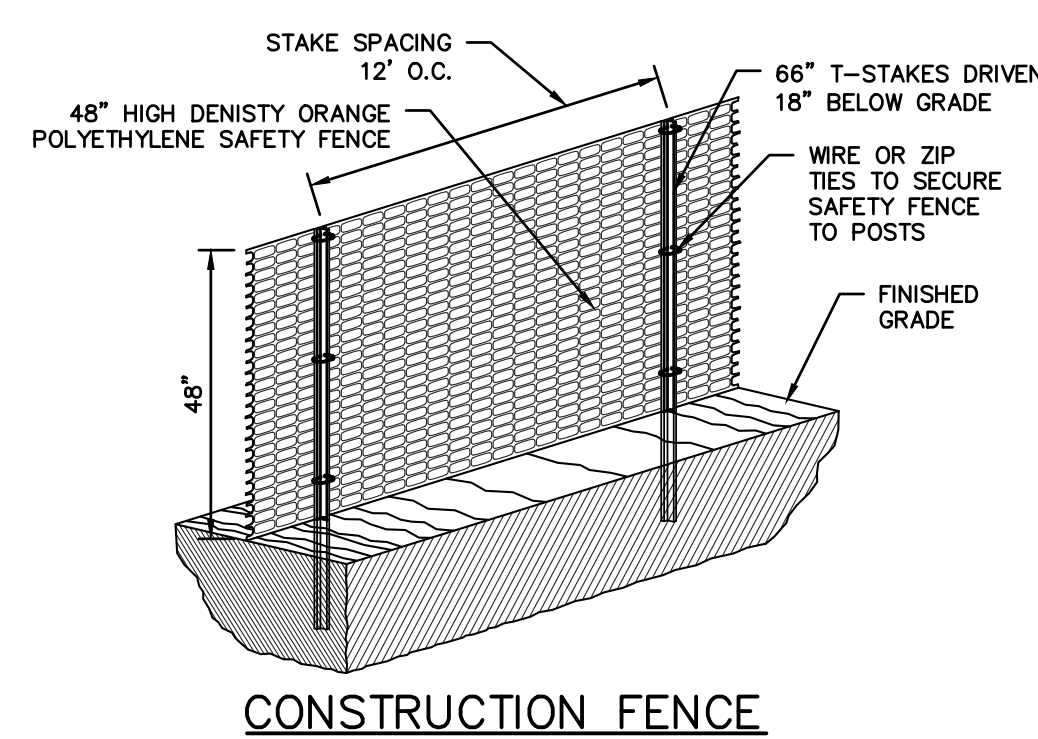
ANY ALTERATIONS OR REVISIONS OF THESE PLANS, UNLESS DONE BY OR UNDER THE DIRECTION OF THE NYS LICENSED AND REGISTERED ENGINEER THAT PREPARED THEM, IS A VIOLATION OF THE NYS EDUCATION LAW.

**LEGEND**



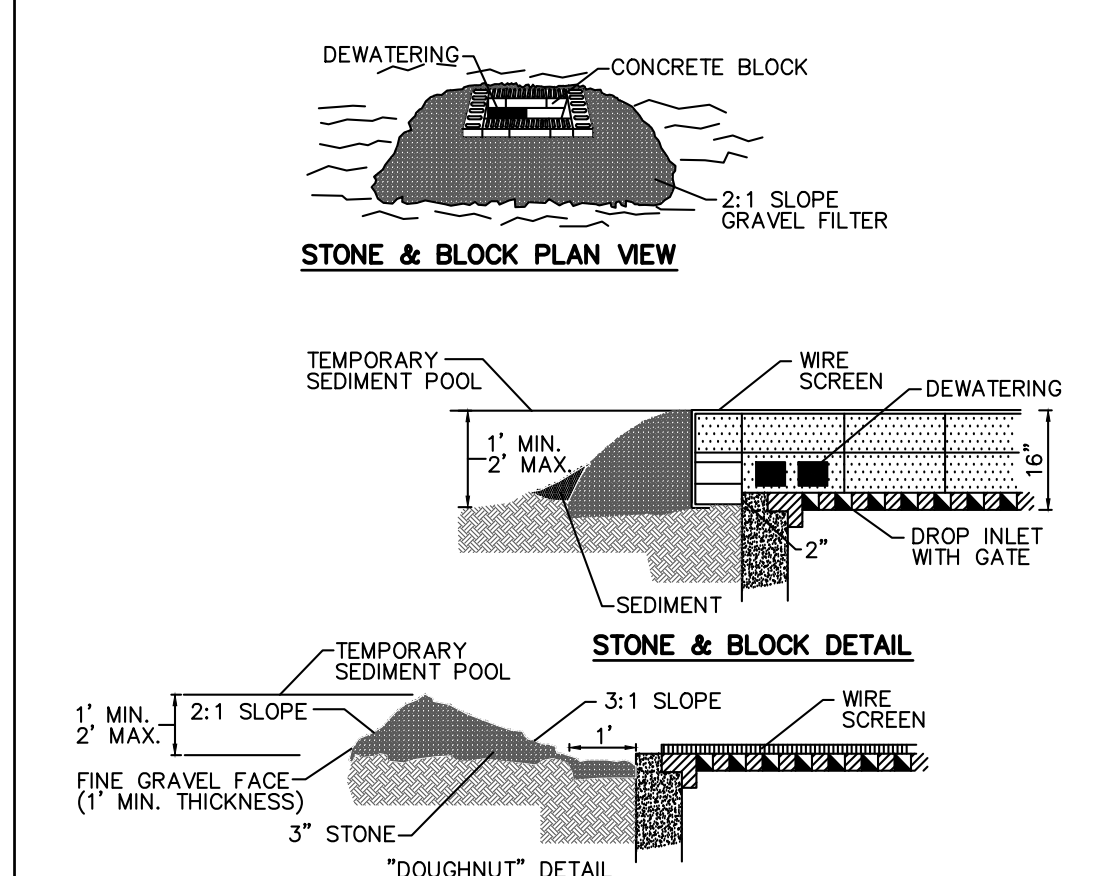
**INSTALLATION & MAINTENANCE OF EROSION CONTROL:**

- CONSTRUCTION SCHEDULE**  
NOTIFY APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 5 DAYS PRIOR TO START.
- EROSION CONTROL MEASURES**  
INSTALL ALL EROSION CONTROL MEASURES PRIOR TO START OF CONSTRUCTION. CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.
- INSPECTION BY MUNICIPALITY - MAINTENANCE (TO BE PERFORMED DURING ALL PHASES OF CONSTRUCTION)**  
AFTER ANY RAIN CAUSING RUNOFF, CONTRACTOR TO INSPECT HAYBALES, ETC. AND REMOVE ANY EXCESSIVE SEDIMENT AND INSPECT STOCKPILES AND CORRECT ANY PROBLEMS WITH SEED ESTABLISHMENT. INSPECTIONS SHALL BE DOCUMENTED IN WRITING AND SUBMITTED TO THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION.
- INSPECTION BY MUNICIPALITY - FINAL GRADING**  
REMOVE UNNEEDED SUBGRADE FROM SITE. CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.
- INSPECTION BY MUNICIPALITY - LANDSCAPING**  
SPREAD TOPSOIL EVENLY OVER AREAS TO BE SEED. HAND RAKE LEVEL. BROADCAST 1.25 LB. BAG OF JONATHAN GREEN "FASTGROW" MIX OR EQUAL OVER AREA TO BE SEED. APPLY STRAW MULCH AND WATER WITHIN 2 DAYS OF COMPLETION OF TOPSOILING. CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.
- INSPECTION BY MUNICIPALITY - FINAL LANDSCAPING**  
GRASS ESTABLISHED. CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.
- INSPECTION BY MUNICIPALITY - FINAL INSPECTION**  
ALL EROSION CONTROL MEASURES REMOVED AND GRASS ESTABLISHED. CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.



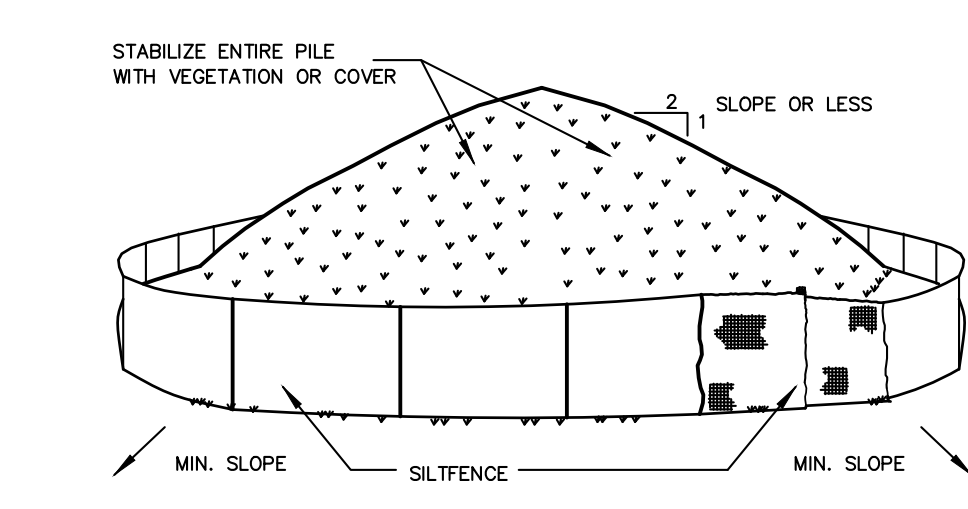
CONSTRUCTION FENCE

**STONE & BLOCK DROP INLET PROTECTION**



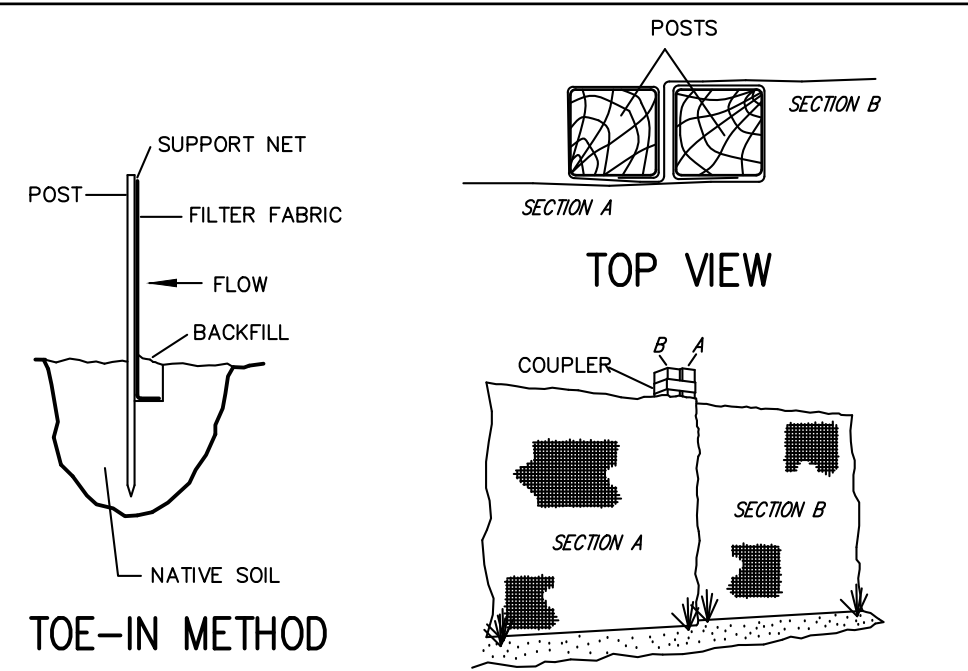
- CONSTRUCTION SPECIFICATION**
1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
  2. HARDWARECLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT 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 ON THE DRAWINGS. MAXIMUM DRAINAGE AREA 1 ACRE.

**SOIL STOCKPILING**



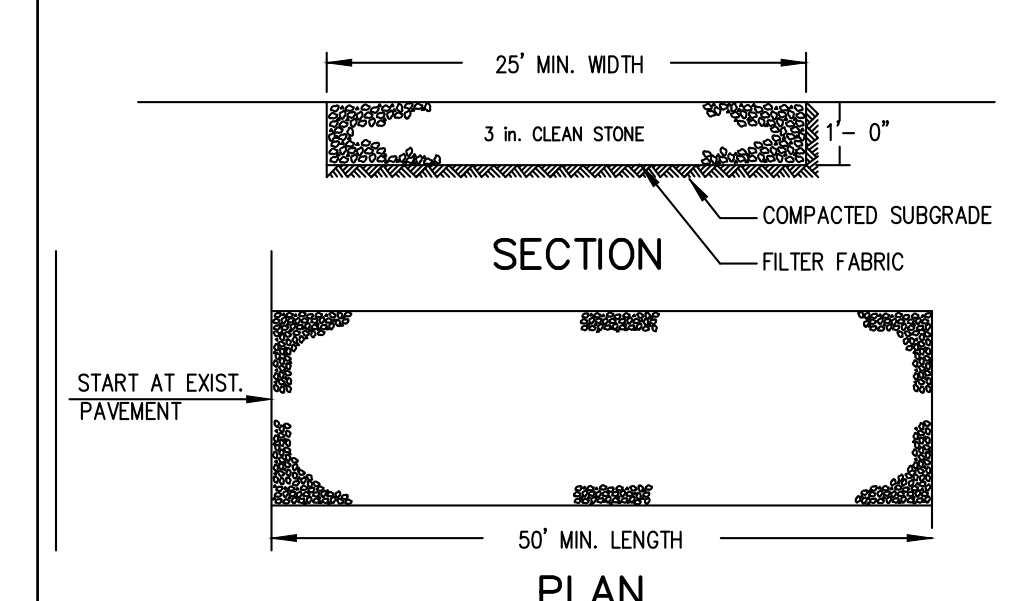
- INSTALLATION NOTES:**
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
  2. SOILS OR FILL TO BE STOCKPILED ON SITE DURING CUTTING AND FILLING ACTIVITIES SHALL BE LOCATED ON LEVEL PORTIONS OF THE SITE WITH A MINIMUM OF 50-75 FOOT SETBACKS FROM TEMPORARY DRAINAGE SWALES.
  3. MAXIMUM 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 TRENCH.
  5. JOIN SECTIONS AS SHOWN ABOVE.

**STABILIZED CONSTRUCTION ENTRANCE**

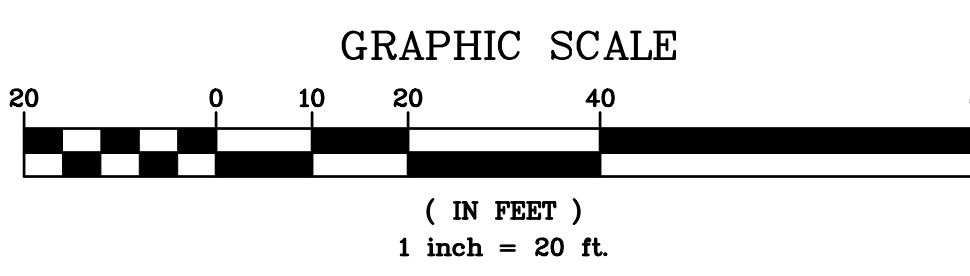


- INSTALLATION NOTES:**
1. STONE SIZE - USE 3" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
  2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
  3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
  4. WIDTH - 25 FOOT MINIMUM, 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.

**NOTES:**

1. FOR DETAILS AND SPECIFICATIONS FOR TREE REMOVAL AND TREE PROTECTION PLEASE REFER TO LANDSCAPING PLANS PROVIDED BY DEAN PUSHLAR.

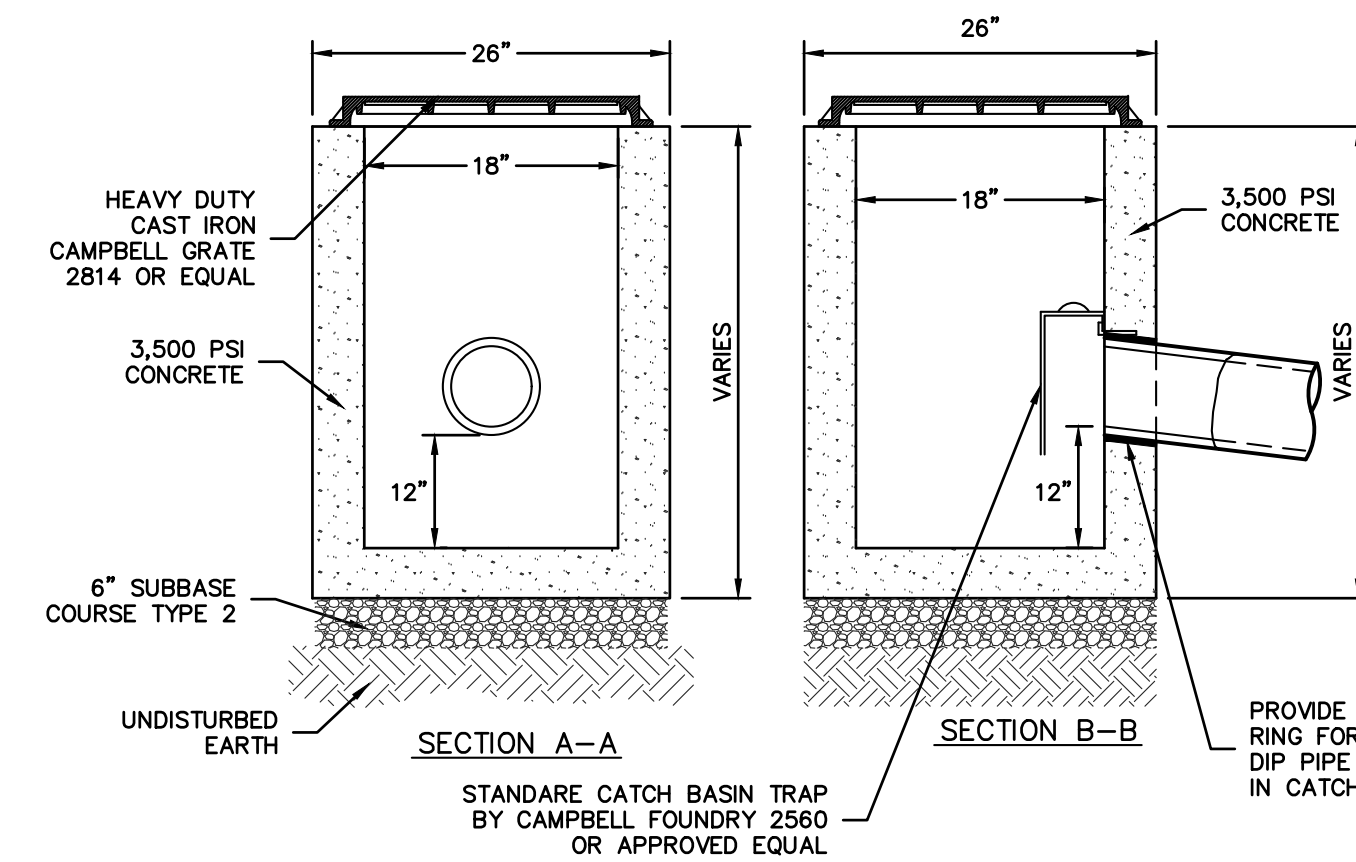
EXISTING INFORMATION SHOWN HEREON PROVIDED BY WARD CARPENTER ENGINEERING INC., DATED MAY 17, 2022



PROJECT:		PROPOSED SINGLE-FAMILY RESIDENCE 44 BYRAM RIDGE ROAD TOWN OF NORTH CASTLE WESTCHESTER COUNTY - NEW YORK	
DATE:		09/23/22	
SCALE:		1" = 20'	
DESIGNED BY:		S.G.	
CHECKED BY:		M.S.	
SHEET NO.:		3	
<b>SEDIMENT &amp; EROSION CONTROL PLAN</b>			
<b>HEC</b>		<b>HUDSON ENGINEERING CONSULTING, P.C.</b>	
45 Knowlton Road, Suite 201 Elmwood Park, NY 10523 T: 914-909-0420 F: 914-960-2086		© 2022	

**GENERAL NOTES:**

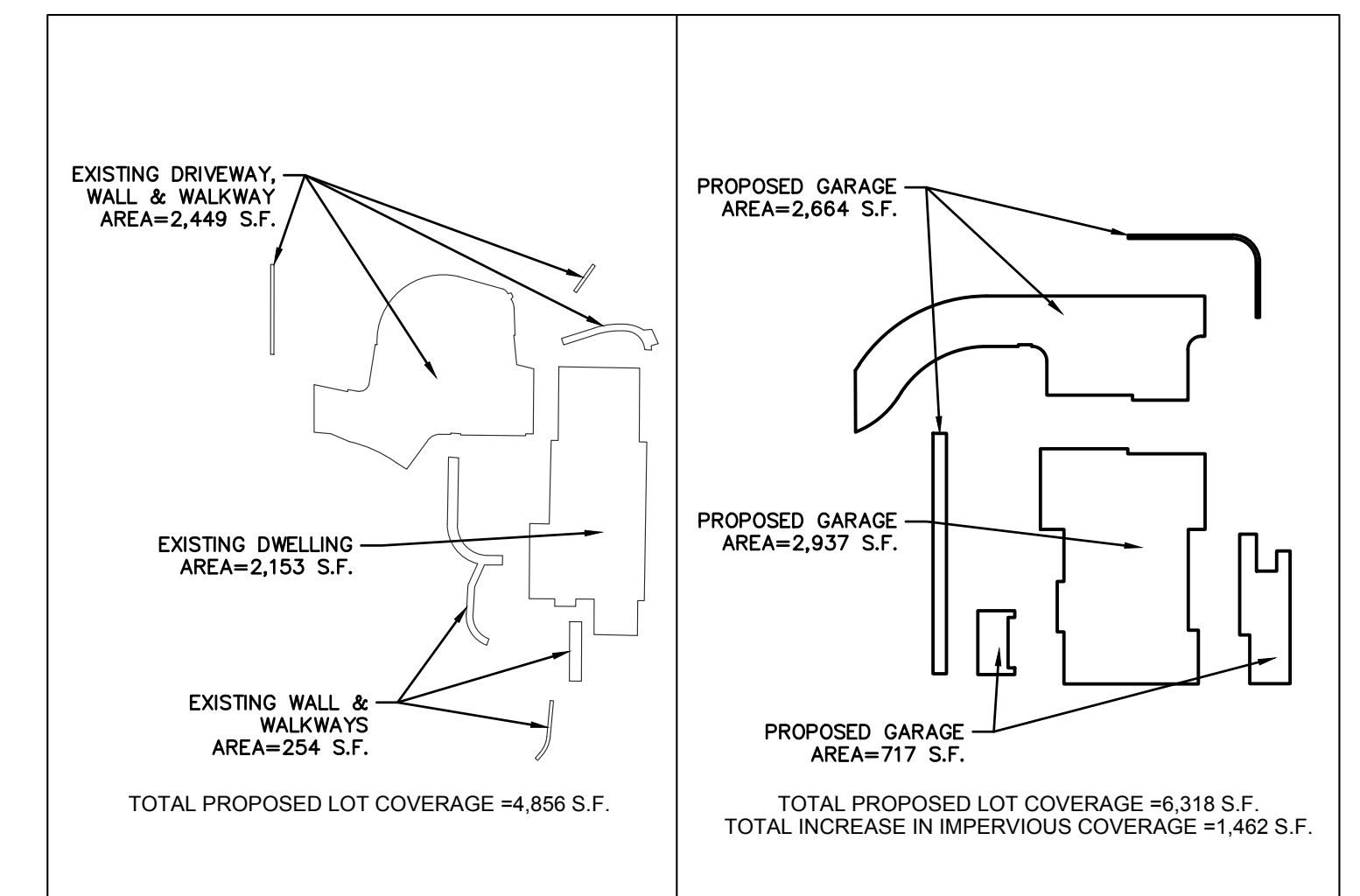
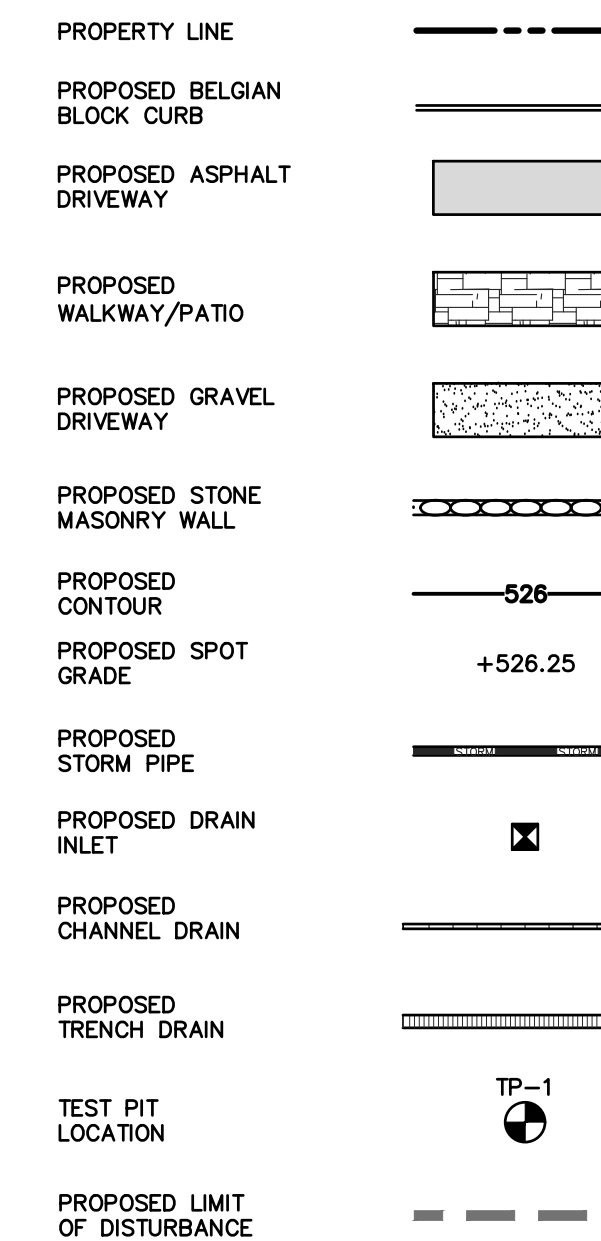
- THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SUPERVISION OF THE CONSTRUCTION.
- NO CHANGES SHALL BE MADE TO THESE PLANS EXCEPT AS PER NYS LAW CHAPTER 987.
- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL APPLICABLE CODES, INCLUDING BUT NOT LIMITED TO A.C.I., A.I.S.C., ZONING, AND THE NEW YORK STATE BUILDING CODE.
- ALL CONDITIONS, LOCATIONS AND DIMENSIONS SHALL BE FIELD VERIFIED AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCIES.
- ALL CHANGES MADE TO THE PLANS SHALL BE APPROVED BY THE ENGINEER AND ANY SUCH CHANGES SHALL BE FILED AS AMENDMENTS TO THE ORIGINAL BUILDING PERMIT.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER FOR THE ACTS AND OMISSIONS OF HIS EMPLOYEES, SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES, AND OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
- SAFETY DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL AGENCIES IN EFFECT DURING THE PERIOD OF CONSTRUCTION.
- THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL MAKE APPLICATION TO RECEIVE ALL NECESSARY PERMITS TO PERFORM THE WORK UNDER CONTRACT. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL BE LICENSED TO DO ALL WORK AS REQUIRED BY THE LOCAL, COUNTY, AND STATE AGENCIES WHICH MAY HAVE JURISDICTION OVER THOSE TRADES, AND SHALL PRESENT THE OWNER WITH COPIES OF ALL LICENSES AND INSURANCE CERTIFICATES.
- FINAL GRADING AROUND THE BUILDING AREA SHALL SLOPE AWAY FROM THE STRUCTURE.
- ALL WRITTEN DIMENSIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ANY SCALED DIMENSIONS.
- ADJOINING PUBLIC AND PRIVATE PROPERTY SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION, REMODELING AND DEMOLITION WORK. PROTECTION MUST BE PROVIDED FOR FOOTINGS, FOUNDATIONS, PARTY WALLS, CHIMNEYS, SKYLIGHTS AND ROOFS. PROVISIONS SHALL BE MADE TO CONTROL WATER RUNOFF AND EROSION DURING CONSTRUCTION OR DEMOLITION ACTIVITIES. THE PERSON MAKING OR CAUSING AN EXCAVATION TO BE MADE SHALL PROVIDE WRITTEN NOTICE TO THE OWNERS OF ADJOINING BUILDINGS ADVISING THEM THAT THE EXCAVATION IS TO BE MADE AND THAT THE ADJOINING BUILDING SHOULD BE PROTECTED. SAID NOTIFICATION SHALL BE DELIVERED NOT LESS THAN 10 DAYS PRIOR TO THE SCHEDULED STARTING DATE OF THE EXCAVATION. P.C. AND ANY DIRECTORS, OFFICERS, EMPLOYEES, AND AFFILIATES, AS ADDITIONAL INSURED UNDER ALL POLICIES AND HOLD HARMLESS DOCUMENTS, AND SHALL STIPULATE THAT THIS INSURANCE IS PRIMARY, AND THAT ANY OTHER INSURANCE OR SELF-INSURANCE MAINTAINED BY HUDSON ENGINEERING & CONSULTING, P.C., SHALL BE EXCESS ONLY AND SHALL NOT BE CALLED UPON TO CONTRIBUTE WITH THIS INSURANCE.
- OWNER SHALL INSURE THAT THE INSURANCE PROVIDED BY THE CONTRACTOR HIRED TO PERFORM THE WORK SHALL BE ENDORSED TO NAME HUDSON ENGINEERING & CONSULTING, P.C. FOR APPROVAL PRIOR TO THE SIGNING OF THE CONTRACT. COPIES OF THE INSURANCE POLICIES SHALL BE SUBMITTED TO HUDSON ENGINEERING & CONSULTING, P.C. FOR APPROVAL PRIOR TO THE SIGNING OF THE CONTRACT.
- INDUSTRIAL CODE RULE 753: THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS PRIOR TO THE START OF HIS OPERATIONS AND SHALL COMPLY WITH ALL THE LATEST INDUSTRIAL CODE RULE 753 REGULATIONS.



- NOTES:
- CONCRETE - 3,500 PSI MINIMUM STRENGTH @ 28 DAYS
  - DESIGN LOADING - AASHTO HS20-44
  - EARTH COVER - 0 TO 5 FEET
  - CONSTRUCTION JOINT - LAPPED

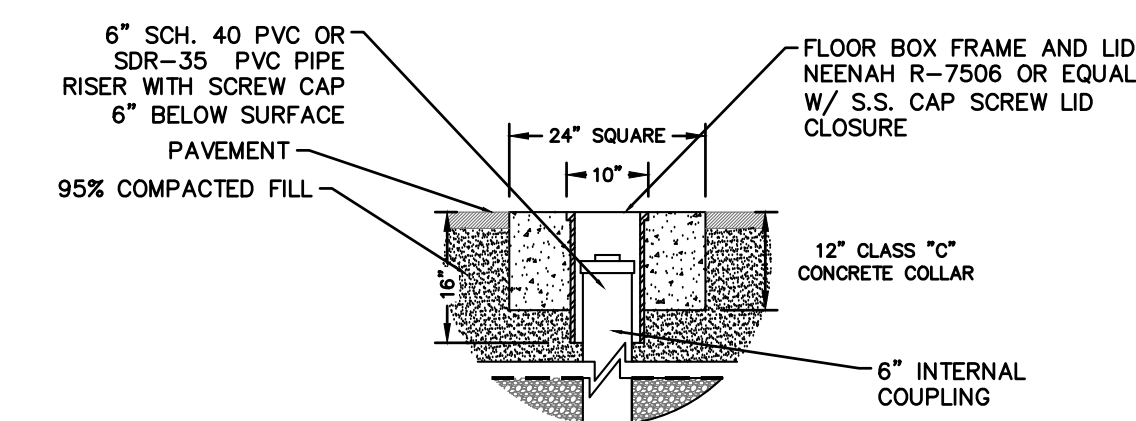
**18"X18" PRECAST CONCRETE CATCH BASIN**

**LEGEND**



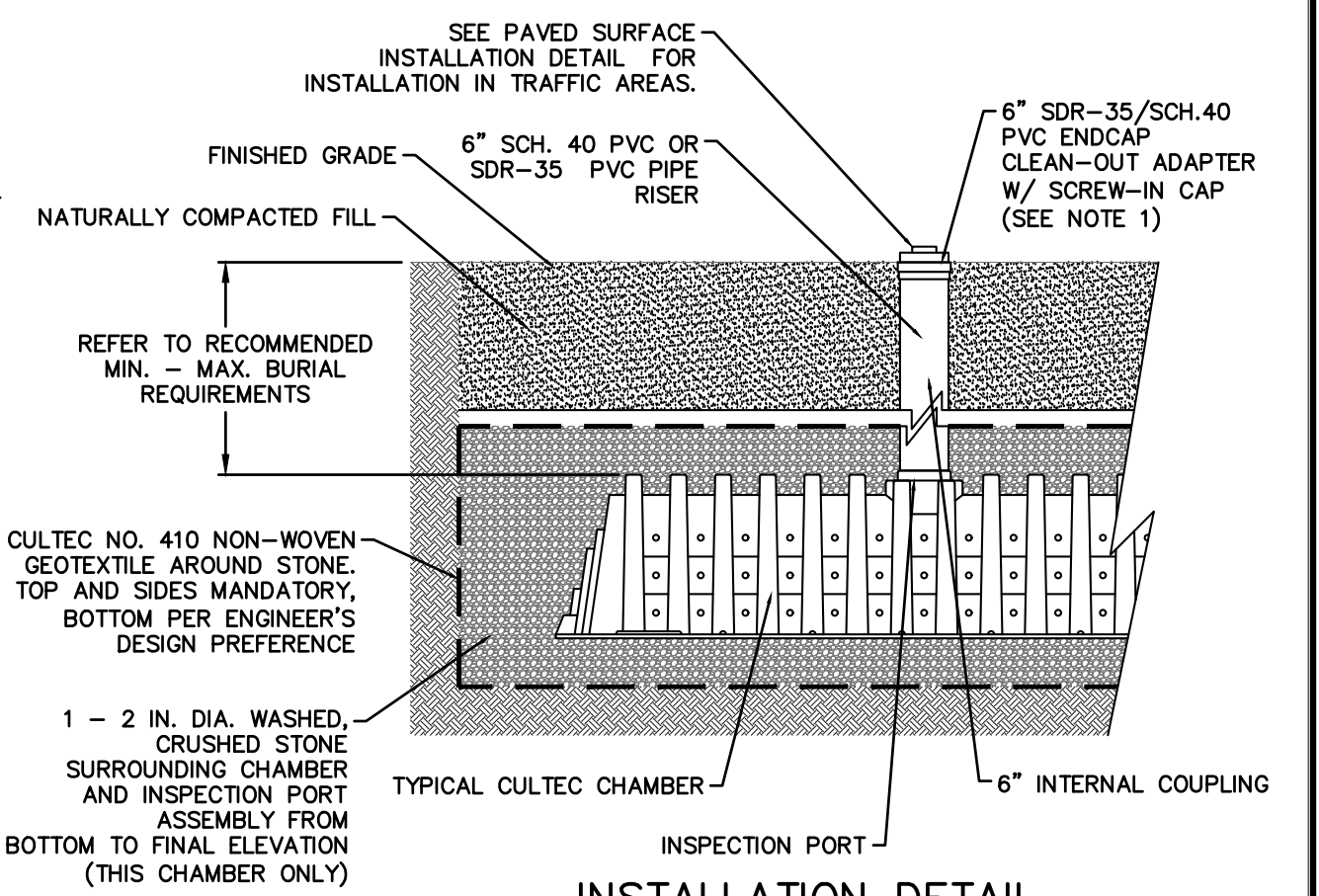
**TEST HOLE DATA:**

TEST HOLE #1  
 DEPTH - 84"  
 0-12" TOPSOIL  
 12-36" REDDISH BROWN SANDY LOAM  
 36-101" MIXED SANDS, VERY ROCKY  
 NO GROUNDWATER  
 NO LEDGE ROCK  
 PERC. = 96 INCHES/HOUR  
 (\*30 INCHES/HOUR UTILIZED IN DESIGN)



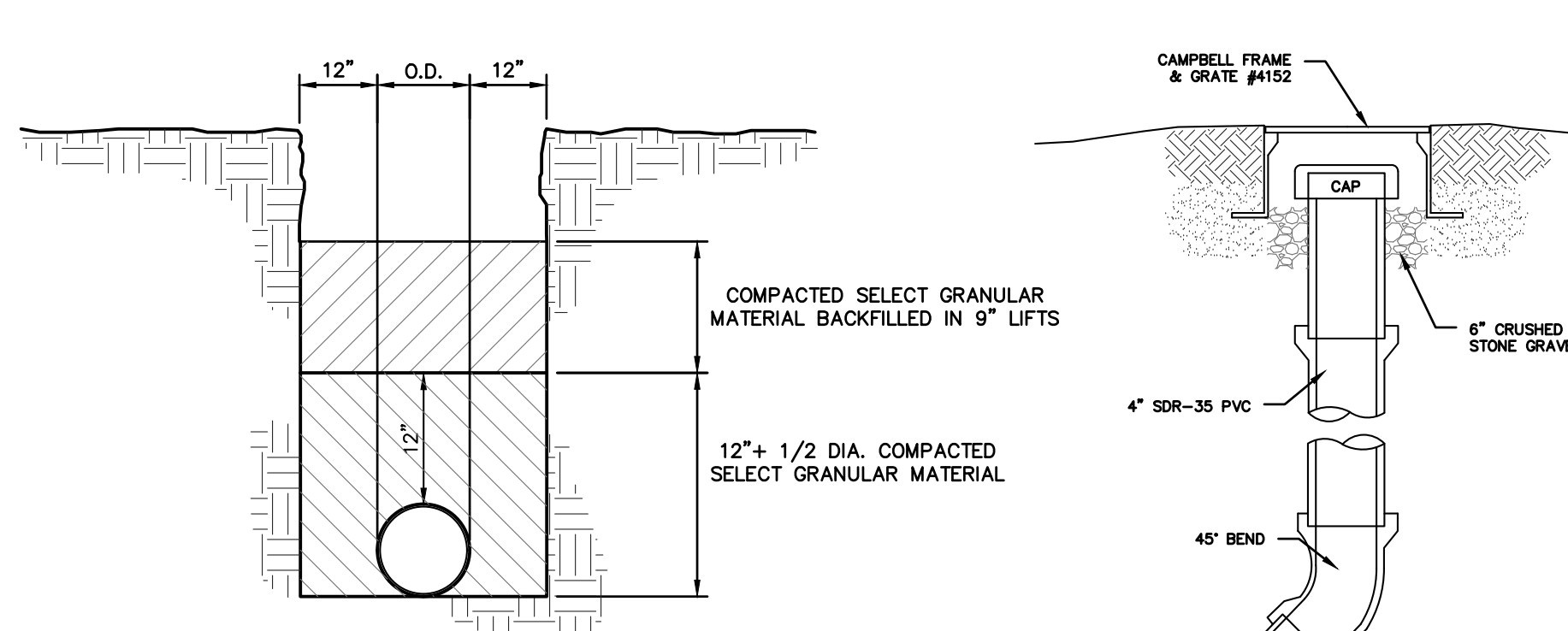
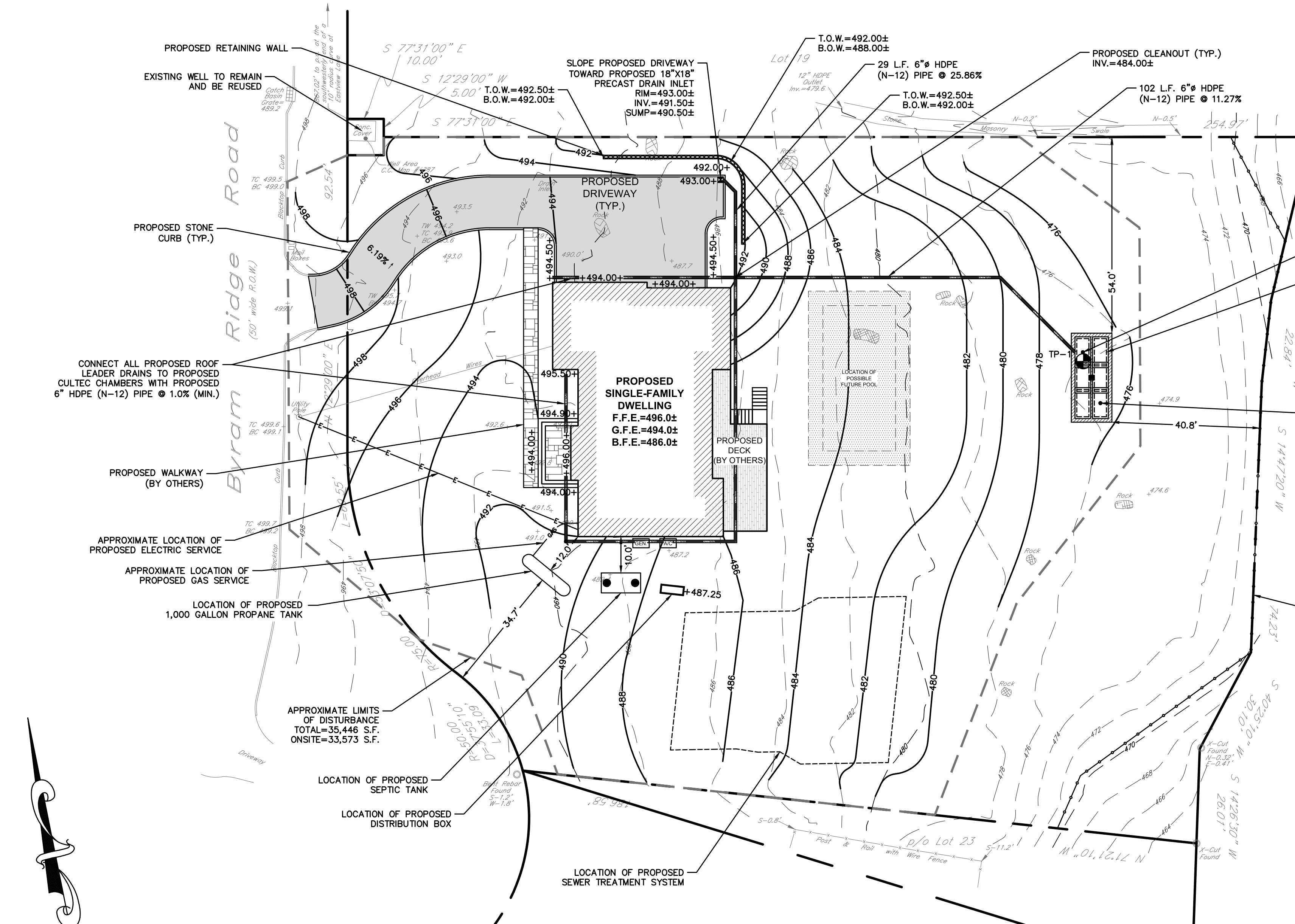
**NOTES:**

- WHEN ACCESS PORT IS UTILIZED AS SYSTEM OVERFLOW, INSTALL NDS MODEL 50 GRATE. GRATE TO BE SET 1/2" ABOVE ADJACENT GRADE. ADJACENT GRADE TO PITCH AWAY FROM ACCESS PORT IN ALL DIRECTIONS.
- INSPECTION PORT NOT TO SERVE AS OVERFLOW WHEN INSTALLED IN PAVED/TRAFFIC AREAS.



**CULTEC INSPECTION PORT**

**INSTALLATION DETAIL**

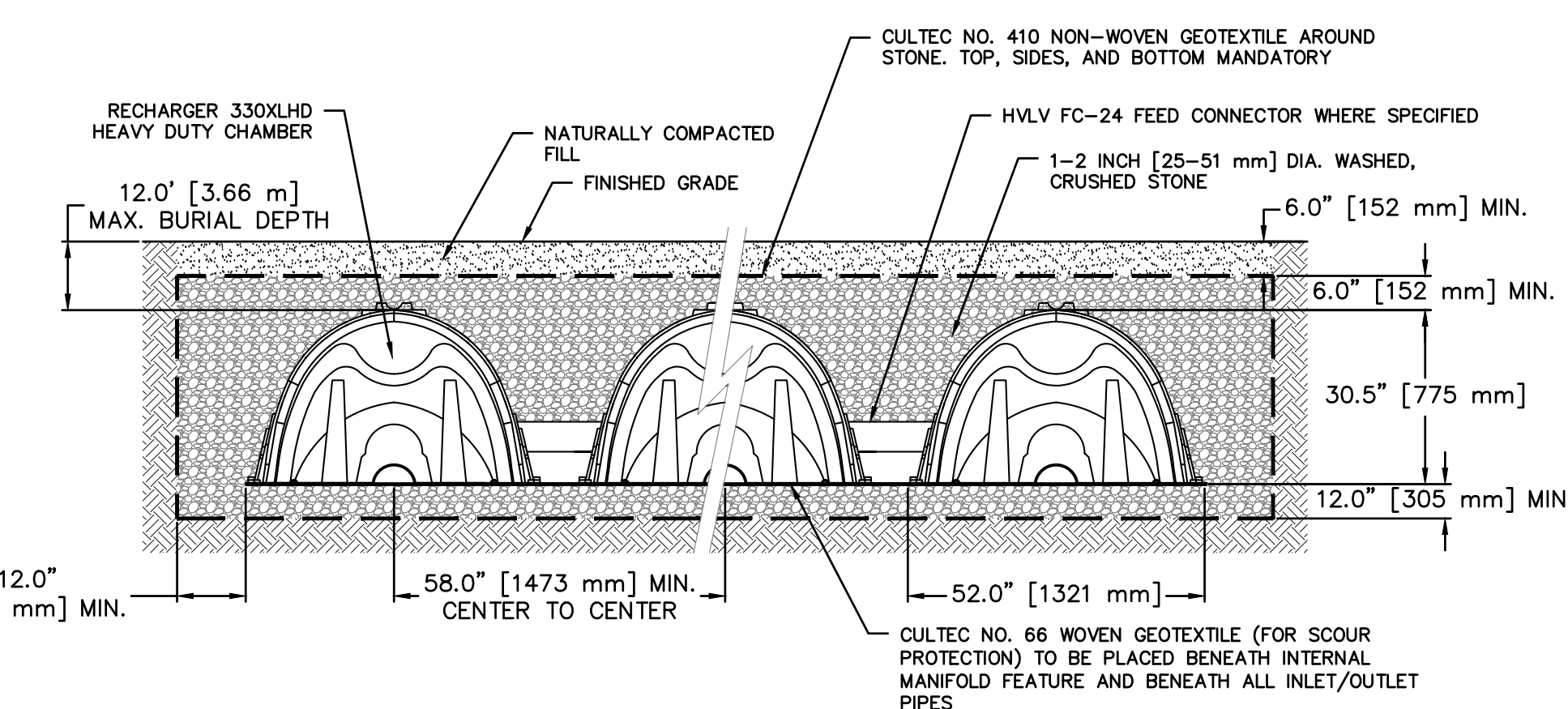


CONTRACTOR SHALL CONTACT DESIGN ENGINEER TO SCHEDULE A SITE INSPECTION PRIOR TO BACKFILLING INFILTRATION/ATTENUATION SYSTEM(S). ALL CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND VISIBLE AT TIME OF INSPECTION. SHOULD THE CONTRACTOR BACKFILL PRIOR TO INSPECTION, THE CONTRACTOR SHALL EXPOSE THE SYSTEM AT THEIR OWN EXPENSE.

- NOTES (STORM SEWER):
- REFER TO PLAN FOR SPECIFIC PIPE SIZING AND SLOPE SPECIFICATIONS; HOWEVER, IN GENERAL, ALL STORM SEWER SERVICES TO BE 6" SCH. 40 @ 1.0% MINIMUM.
  - CLEANOUTS SHALL BE PLACED BEFORE SIGNIFICANT PIPE BEND LOCATIONS (I.E., JUNCTIONS, 90-DEGREE BENDS, ETC.) UNLESS A ROOF LEADER DOWNSPOUT CONNECTION IS PROPOSED.

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.

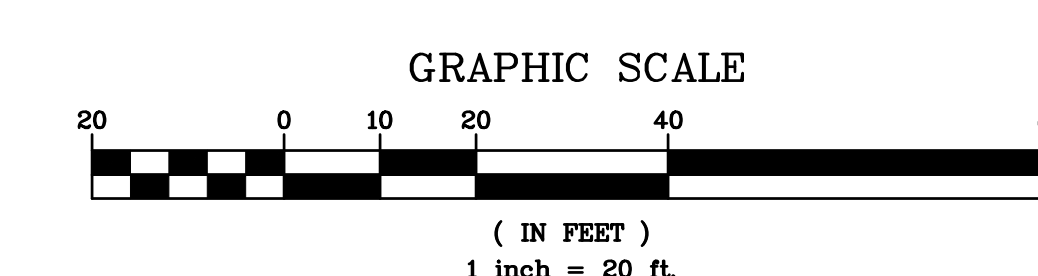
**SEWER CLEANOUT DETAIL (GRAVITY) (STORM)**



GENERAL NOTES:  
 RECHARGER 330XL HD BY CULTEC, INC. OF BROOKFIELD, CT. STORAGE PROVIDED = 11.32 CF/FT [1.05 m³/m] PER DESIGN UNIT.  
 REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES.  
 THE CHAMBER WILL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.

ALL RECHARGER 330XL HD HEAVY DUTY UNITS ARE MARKED WITH A COLOR STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.  
 ALL RECHARGER 330XL HD CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

EXISTING INFORMATION SHOWN HEREON PROVIDED BY WARD CARPENTER ENGINEERING INC., DATED MAY 17, 2022



PROJECT:	PROPOSED SINGLE-FAMILY RESIDENCE 44 BYRAN RIDGE ROAD TOWN OF NORTH CASTLE WESTCHESTER COUNTY - NEW YORK
DATE:	09/23/22
SCALE:	1" = 20'
DESIGNED BY:	S.G.
CHECKED BY:	M.S.
SHEET NO.:	3

**STORMWATER MANAGEMENT PLAN**

**HUDSON ENGINEERING CONSULTING, P.C.**  
 45 Knollwood Road - Suite 201  
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 T: 914-803-0420  
 F: 914-560-2086  
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