



# 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 x43  
Fax: (914) 273-3554  
[www.northcastleny.com](http://www.northcastleny.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.

To get on an RPRC agenda you must submit a single PDF file containing the following to the Planning Department:

1. Complete all items on the RPRC checklist
2. RPRC Application fee. Check made payable to: Town of North Castle.
3. Floor Area and Gross Land Coverage work sheets (with backup information)
4. Plans for your project according the RPRC Checklist
5. Submit one single PDF file containing all information listed above to the Planning Department:  
[planning@northcastleny.com](mailto:planning@northcastleny.com).

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

Determination Letters are posted on the website (click on determination letters, find the date of your meeting and click on the name of your project - Letters are posted the day after the meeting, typically by 1 :00 p.m.)

---



# 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.nortcastlenny.com

## RESIDENTIAL PROJECT REVIEW COMMITTEE (RPRC) APPLICATION

### Section I- PROJECT

ADDRESS: 4 Ledge wood Place Armonk NY 10504

### Section III- DESCRIPTION OF WORK:

proposed one family dwelling

### Section III- CONTACT INFORMATION:

APPLICANT: 4 Ledge wood Place LLC  
ADDRESS: 200 Summerfield St Scarsdale NY 10583  
PHONE: \_\_\_\_\_ MOBILE: 9144032598 EMAIL: jami@spectrumpaintingnyc.com

PROPERTY OWNER: Rino Monteforte  
ADDRESS: 52 Wrights Mill Rd Armonk NY 10504  
PHONE: \_\_\_\_\_ MOBILE: 6462616111 EMAIL: rino@spectrumpaintingnyc.com

PROFESSIONAL: Joseph Guglielmo Architect  
ADDRESS: 124 Rogers Dr. New Rochelle NY 10804  
PHONE: \_\_\_\_\_ MOBILE: 914 804-7157  
EMAIL: JGNyarch@gmail.com

### Section IV- PROPERTY INFORMATION:

Zone: R-1.5A Tax ID (lot designation) 107.02-2-46



**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:

Initial Submittal  Revised Preliminary

Street Location:

Zoning District: \_\_\_\_\_ Property Acreage: \_\_\_\_\_ Tax Map Parcel ID: \_\_\_\_\_

Date: \_\_\_\_\_

**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.





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)

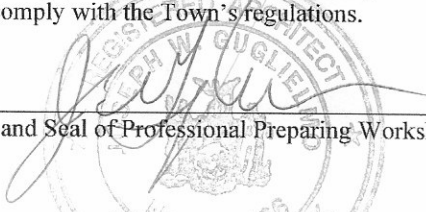
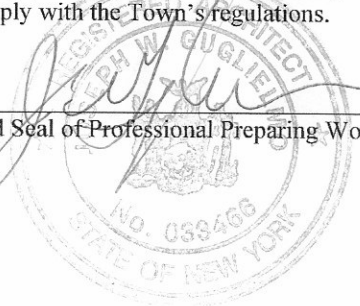
**GROSS LAND COVERAGE CALCULATIONS WORKSHEET**

Application Name or Identifying Title: 4 LEDGEWOOD PLACE Date: SEPT 14, 2021  
 Tax Map Designation or Proposed Lot No.: 107.02-2-46

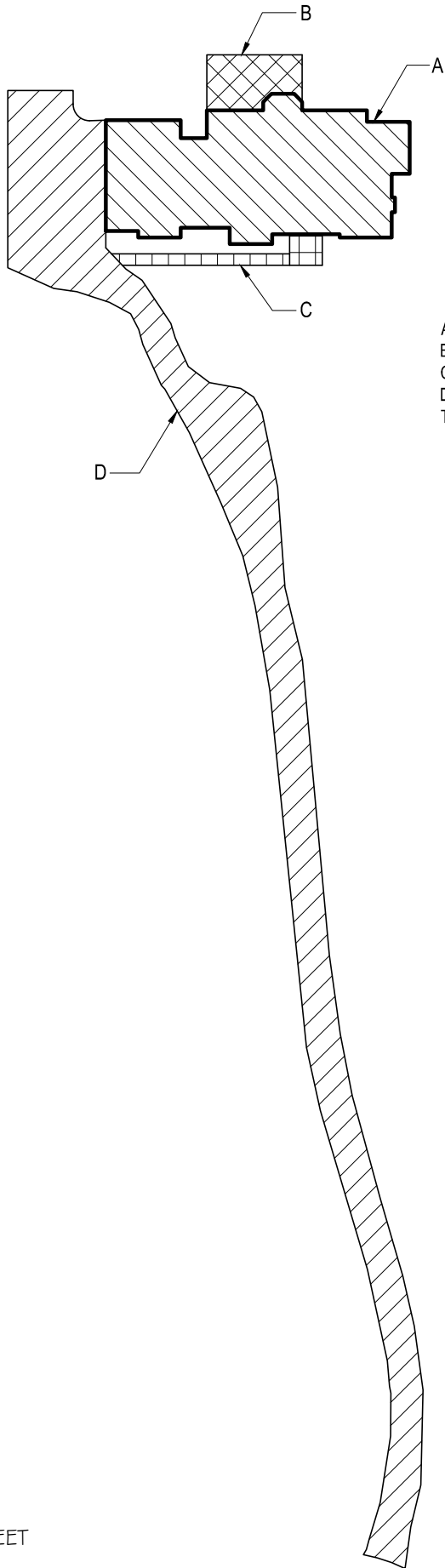
Gross Lot Coverage

1. Total lot Area (Net Lot Area for Lots Created After 12/13/06): 189,626<sup>sq</sup>
2. Maximum permitted gross land coverage (per Section 355-26.C(1)(b)): 13,270<sup>sq</sup>
3. BONUS maximum gross land cover (per Section 355-26.C(1)(b)):  
 Distance principal home is beyond minimum front yard setback  
350 x 10 = 3,500 3,500<sup>sq</sup>
4. TOTAL Maximum Permitted gross land coverage = Sum of lines 2 and 3 16,770<sup>sq</sup>
5. Amount of lot area covered by principal building:  
0 existing + 3359 proposed = 3359<sup>sq</sup>
6. Amount of lot area covered by accessory buildings:  
0 existing + 0 proposed = 0
7. Amount of lot area covered by decks:  
0 existing + 0 proposed = 0
8. Amount of lot area covered by porches:  
0 existing + 0 proposed = 0
9. Amount of lot area covered by driveway, parking areas and walkways:  
6453 existing + 280 proposed = 6,733<sup>sq</sup>
10. Amount of lot area covered by terraces:  
0 existing + 442 proposed = 442<sup>sq</sup>
11. Amount of lot area covered by tennis court, pool and mechanical equip:  
0 existing + 0 proposed = 0
12. Amount of lot area covered by all other structures:  
0 existing + 0 proposed = 0
13. Proposed gross land coverage: Total of Lines 5 – 12 = 10,534<sup>sq</sup>

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  


SEPT 14, 2021  
 Date



A: Building footprint:	3,359 sq ft
B: Patio:	442 sq ft
C: Front Walk:	280 sq ft
D: Driveway:	<u>6,453 sq ft</u>
Total imp surface:	10,534 sq. ft.



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

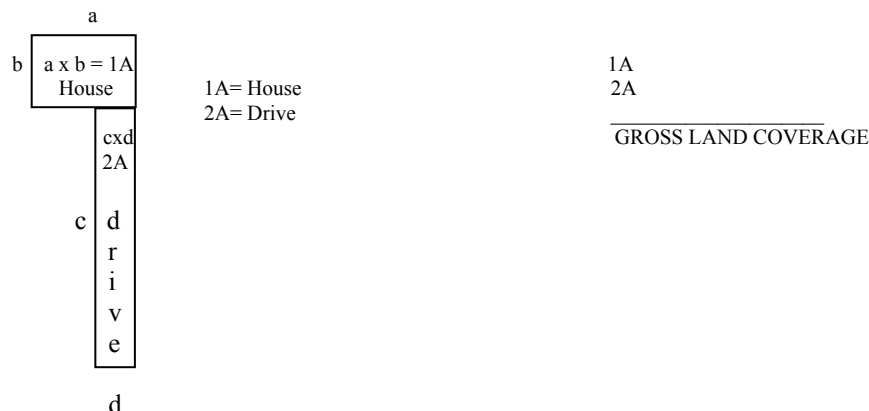
**PLANNING DEPARTMENT**  
**Adam R. Kaufman, AICP**  
**Director of Planning**

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

## GROSS LAND COVERAGE WORKSHEET

The following format is to be used for all applications for the purpose of demonstrating the gross land coverage of a property as necessary to show compliance with gross land coverage limitations of the Town Code.

1. Scaled worksheets are to be prepared based upon a site plan which represents existing or proposed conditions as applicable to the particular circumstances of the approval being sought. All site plans and worksheets are required to be prepared by a licensed or registered professional in the State of New York.
2. Each component of the gross land coverage is to be divided into simple polygons (squares, rectangles, etc.) each being drawn on the plan. The area of each polygon is to be shown by providing the dimensions and resulting area measurement. Each polygon is to be assigned an identifying label for reference purposes.
3. A summary table for each component is to be completed. The area of each polygon is to be listed by reference label then added, resulting in the gross land coverage for the entire site.
4. Any exception of land coverage from the gross land coverage must be identified on the floor plans and summary tables. The rationale for any exception must accompany the floor area worksheets.
5. A schematic illustration of the format is shown below



LOT AREA, NET – Lot area minus seventy five (75) percent of the area of any wetlands, waterbodies and, watercourses, but excluding any adjacent areas, all as defined in Chapter 209 Wetlands and Drainage, of the Town Code, and the area of any steep slopes, as defined Chapter 213, except that in the case of one-family lots, the deduction for steep slopes shall be only fifty (50) percent.

Lot Size	Maximum Permitted Gross Land Coverage for One-Family Dwelling Lots <sup>1</sup> (square feet)
Less than 5,000 square feet	50% of the lot area
5,000 to 9,999 square feet	2,500 plus 30% of the lot area in excess of 5,000 square feet
10,000 to 14,999 square feet	4,000 plus 24% of the lot area in excess of 10,000 square feet
15,000 square feet to 0.499 acres	5,200 plus 18% of the lot area in excess of 15,000 square feet
0.5 to 0.749 acres	6,420 plus 15% of the lot area in excess of 0.5 acres
0.75 to 0.999 acres	8,050 plus 12% of the lot area in excess of 0.75 acres
1.0 to 1.999 acres	9,350 plus 9% of the lot area in excess of 1.0 acres
2.0 acres or more	13,270 plus 7.5% of the lot area in excess of 2.0 acres

\*Permitted gross land coverage limitations for two-family dwelling lots in the R-2F District shall be twenty five (25) percent greater than that permitted for one-family dwelling lots.

NOTWITHSTANDING ABOVE LIMITATIONS, AN ADDITIONAL 10 SQUARE FEET OF GROSS LAND COVERAGE SHALL BE PERMITTED FOR EACH ONE FOOT OF FRONT YARD SETBACK OF THE PRINCIPAL DWELLING IN EXCESS OF THE MINIMUM FRONT YARD SETBACK REQUIRED.



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

### FLOOR AREA CALCULATIONS WORKSHEET


Application Name or Identifying Title: 4 LEDGEWOOD PLACE Date: SEPT 14, 2021

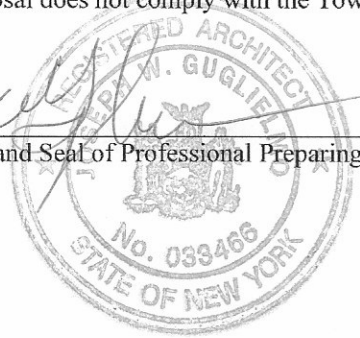
Tax Map Designation or Proposed Lot No.: 107.02-2-46

Floor Area

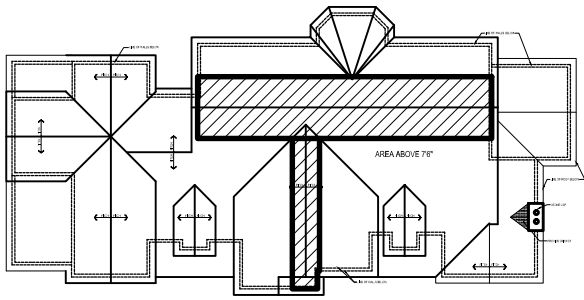
1.	Total Lot Area (Net Lot Area for Lots Created After 12/13/06):	<u>189,626</u> <sup>sq</sup>
2.	Maximum permitted floor area (per Section 355-26.B(4)): <u>13607 + 461</u>	<u>14,068</u> <sup>sq</sup>
3.	Amount of floor area contained within first floor: — <u>0</u> existing + <u>2,469</u> proposed =	<u>2,469</u> <sup>sq</sup>
4.	Amount of floor area contained within second floor: — <u>0</u> existing + <u>2,213</u> proposed =	<u>2,213</u> <sup>sq</sup>
5.	Amount of floor area contained within garage: — <u>0</u> existing + <u>790</u> proposed =	<u>790</u> <sup>sq</sup>
6.	Amount of floor area contained within porches capable of being enclosed: — <u>0</u> existing + <u>0</u> proposed =	<u>0</u>
7.	Amount of floor area contained within basement (if applicable – see definition): — <u>0</u> existing + <u>0</u> proposed =	<u>0</u>
8.	Amount of floor area contained within attic (if applicable – see definition): — <u>0</u> existing + <u>617</u> proposed =	<u>617</u> <sup>sq</sup>
9.	Amount of floor area contained within all accessory buildings: — <u>0</u> existing + <u>0</u> proposed =	<u>0</u>
10.	Proposed floor area: Total of Lines 3 – 9 =	<u>6,089</u> <sup>sq</sup>

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.

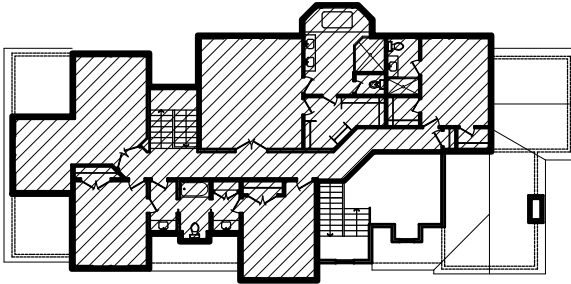
  
 \_\_\_\_\_  
 Signature and Seal of Professional Preparing Worksheet



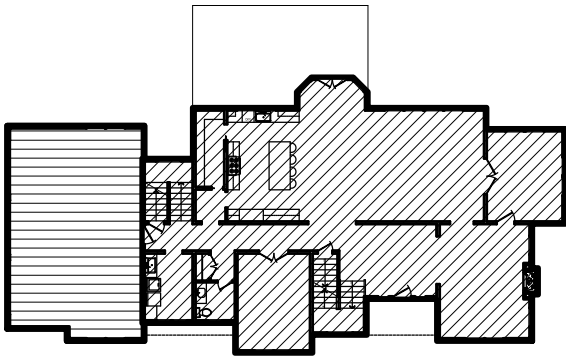
SEPT 14, 2021  
 \_\_\_\_\_  
 Date



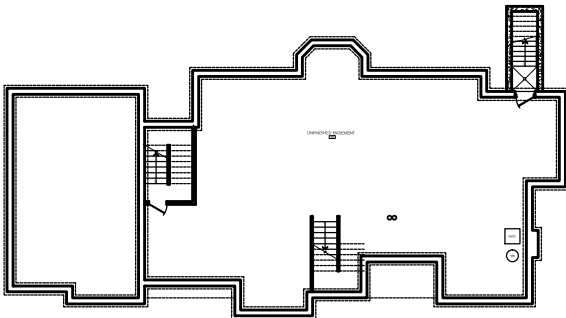
ATTIC: 617 sq. ft.  
 (Area with height greater than 7'-6")



SECOND FLOOR: 2,213 sq. ft.



FIRST FLOOR: 2,469 sq. ft.  
 GARAGE: 790 sq. ft.



BASEMENT: 0 sq. ft.  
 Below Grade



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

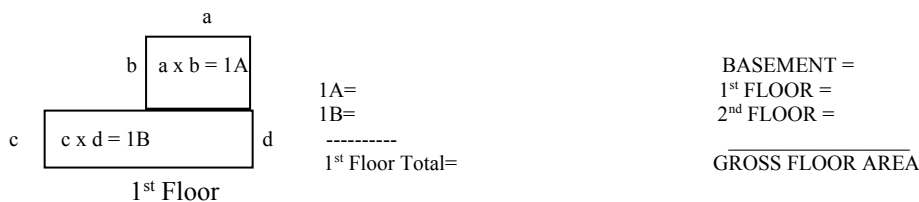
**PLANNING DEPARTMENT**  
**Adam R. Kaufman, AICP**  
**Director of Planning**

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

### GROSS FLOOR AREA WORKSHEET

The following format is to be used for all applications for the purpose of demonstrating the gross floor area of a building or group of buildings as necessary to show compliance with a building or group of buildings as necessary to show compliance with floor area limitations of the Town Code or as otherwise necessary to illustrate the intended or potential use of a structure.

1. Scaled worksheets are to be prepared based upon floor plans which represent existing or proposed conditions as applicable to the particular circumstances of the approval being sought. All floor plans and worksheets are required to be prepared by a licensed or registered professional in the State of New York.
2. The floor area of each floor is to be divided into simple polygons (squares, rectangles, etc.) each being drawn on the plan. The area of each polygon is to be shown by providing the dimensions and resulting area measurement. Each polygon is to be assigned an identifying label for reference purposes.
3. A summary table for each floor is to be completed. The area of each polygon is to be listed by reference label then added, resulting in the floor area for the entire floor.
4. A similar summary table is to be provided listing the total floor area of each floor within the resulting floor area of each building.
5. Any exception of floor area from the gross floor area must be identified on the floor plans and summary tables. The rationale for any exception must accompany the floor area worksheets.
6. A schematic illustration of the format is shown below.





LOT AREA, NET – Lot area minus seventy five (75) percent of the area of any wetlands, waterbodies and, watercourses, but excluding any adjacent areas, all as defined in Chapter 209 Wetlands and Drainage, of the Town Code, and the area of any steep slopes, as defined Chapter 213, except that in the case of one-family lots, the deduction for steep slopes shall be only fifty (50) percent.

FLOOR AREA, GROSS -- The sum of the horizontal areas of the several stories of the building or buildings, excluding any floor area used for off-street parking or loading purposes (except for one- and two-family residences), measured from the exterior walls or, in the case of a common wall separating two buildings, from the center line of such a common wall, and including any two-story or any enclosed porch, or one having a roof and capable of being enclosed. See the definition of "basement" for exclusion of basement/mechanical areas in nonresidential buildings from "floor area, gross." For one- and two-family residences, any attic space with a floor to ceiling height of 7.5 feet or greater shall be included as part of gross floor area, as shall those portions of any basement with a floor to ceiling height of 7.5 feet or greater if the basement is considered a "story" in accordance with one of the following three alternative measurements:

- A. Where the finished surface of the floor above the basement is more than six feet above average grade.
- B. Where the finished surface of the floor above the basement is more than six feet above the finished ground level for more than 50% of the total building perimeter.
- C. Where the finished surface of the floor above the basement is more than 12 feet above the finished ground level at any point along the building perimeter.

Lot Size	Maximum Permitted Gross Floor Area for One-Family Dwellings and Accessory Buildings <sup>1</sup> (square feet)
Less than 5,000 square feet	1,875 or 50% of the lot area, whichever is greater
5,000 to 9,999 square feet	2,500 plus 25% of the lot area in excess of 5,000 square feet
10,000 to 14,999 square feet	3,750 plus 20% of the lot area in excess of 10,000 square feet
15,000 square feet to 0.499 acres	4,750 plus 15% of the lot area in excess of 15,000 square feet
0.5 to 0.749 acres	5,768 plus 10% of the lot area in excess of 0.5 acres
0.75 to 0.999 acres	6,856 plus 8% of the lot area in excess of 0.75 acres
1.0 to 1.499 acres	7,727 plus 6% of the lot area in excess of 1.0 acres
1.5 to 1.999 acres	9,034 plus 5% of the lot area in excess of 1.5 acres
2.0 to 3.999 acres	10,122 plus 4% of the lot area in excess of 2.0 acres
4.0 acres or more	13,607 plus 3% of the lot area in excess of 4.0 acres

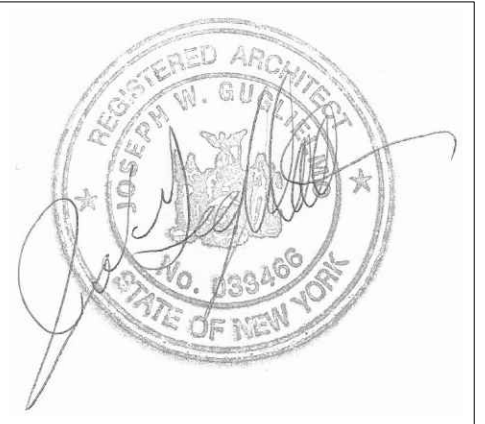
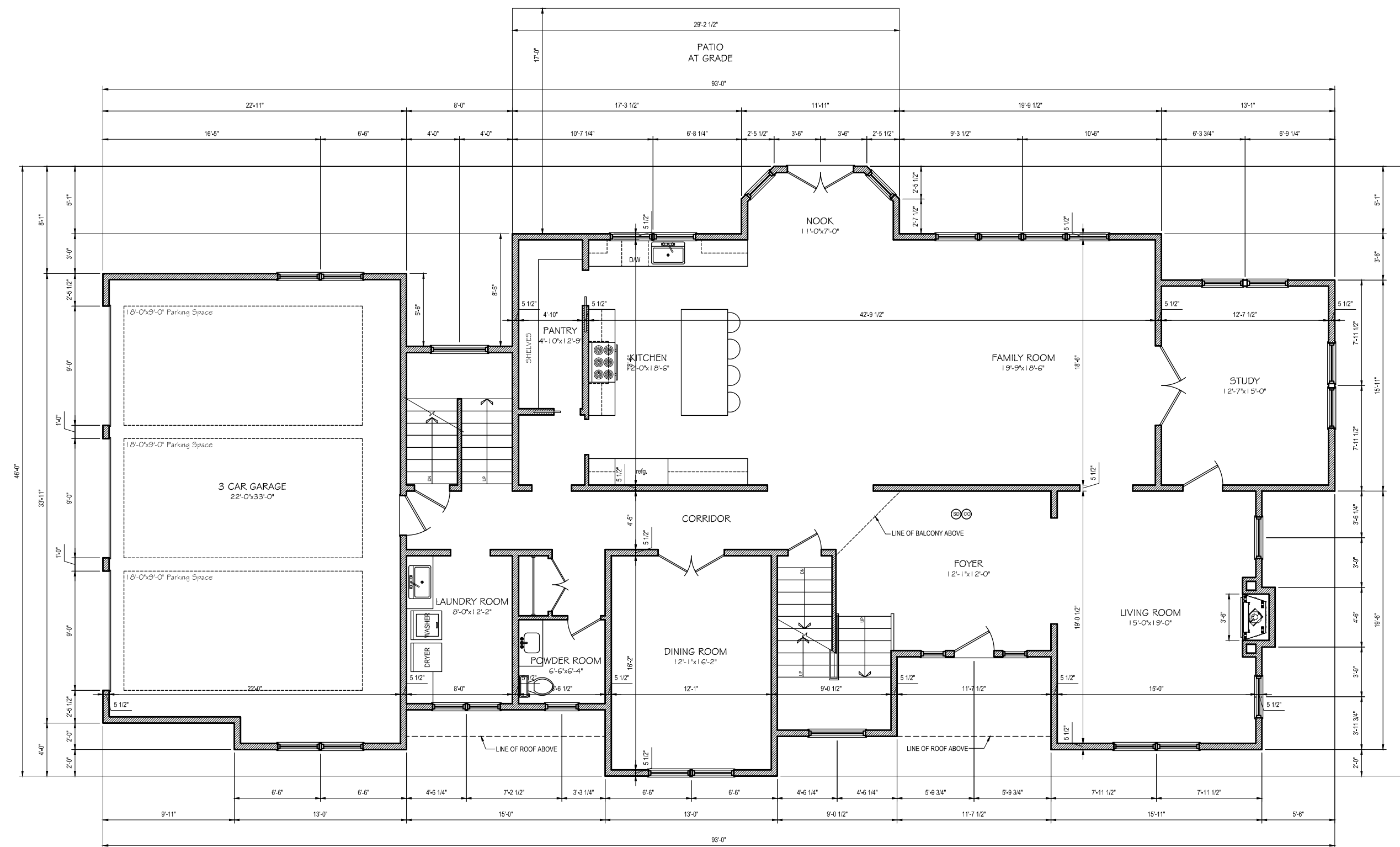
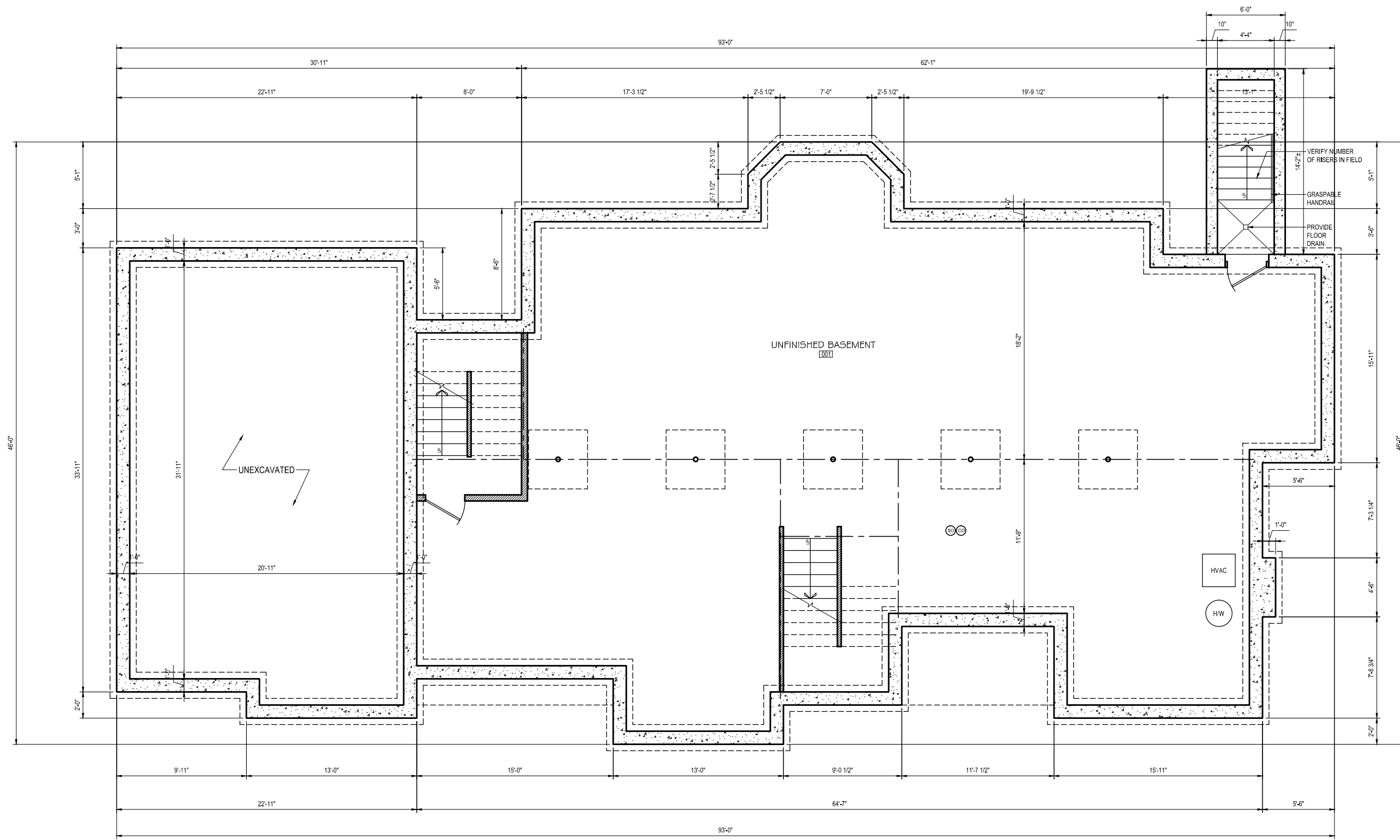
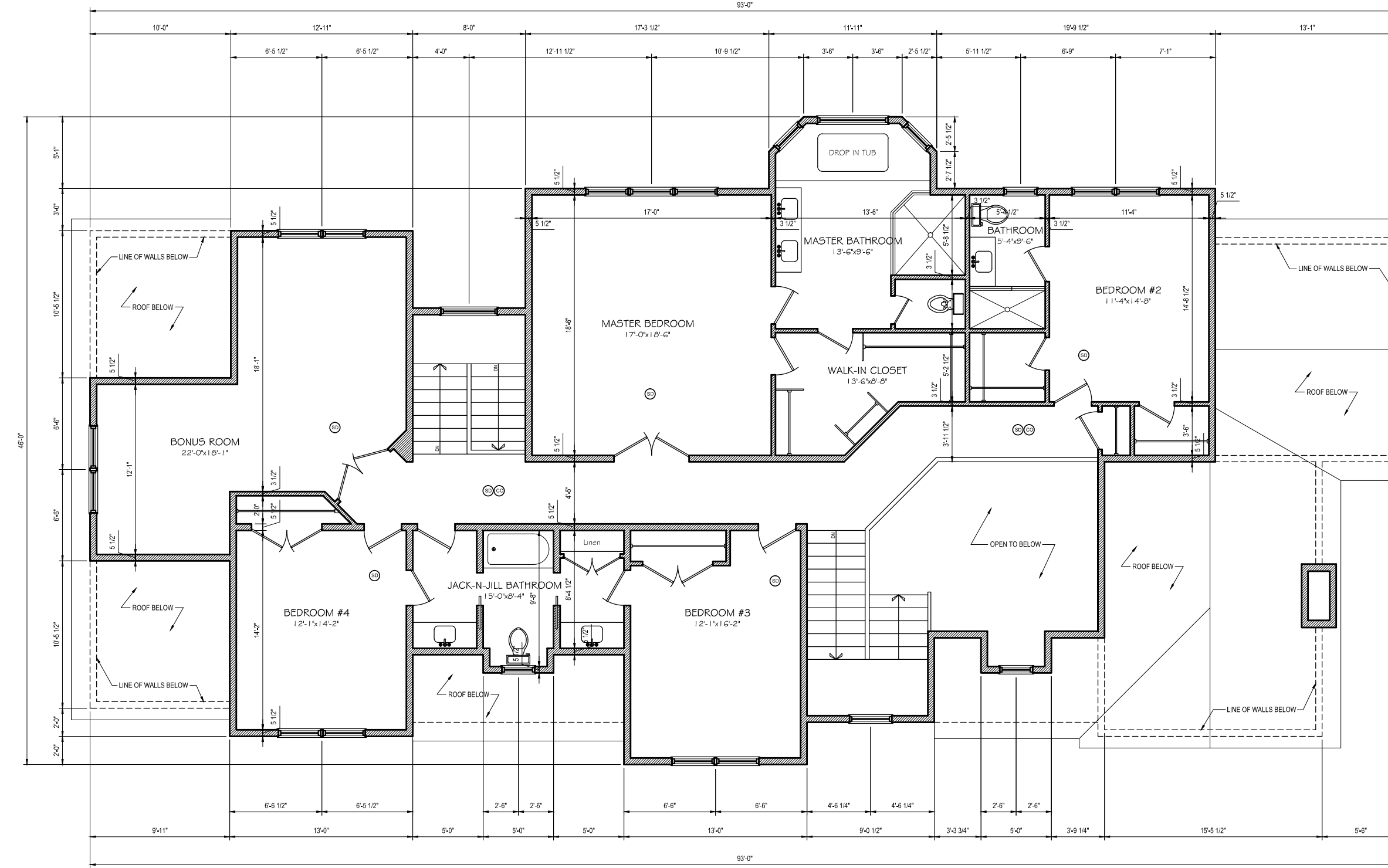
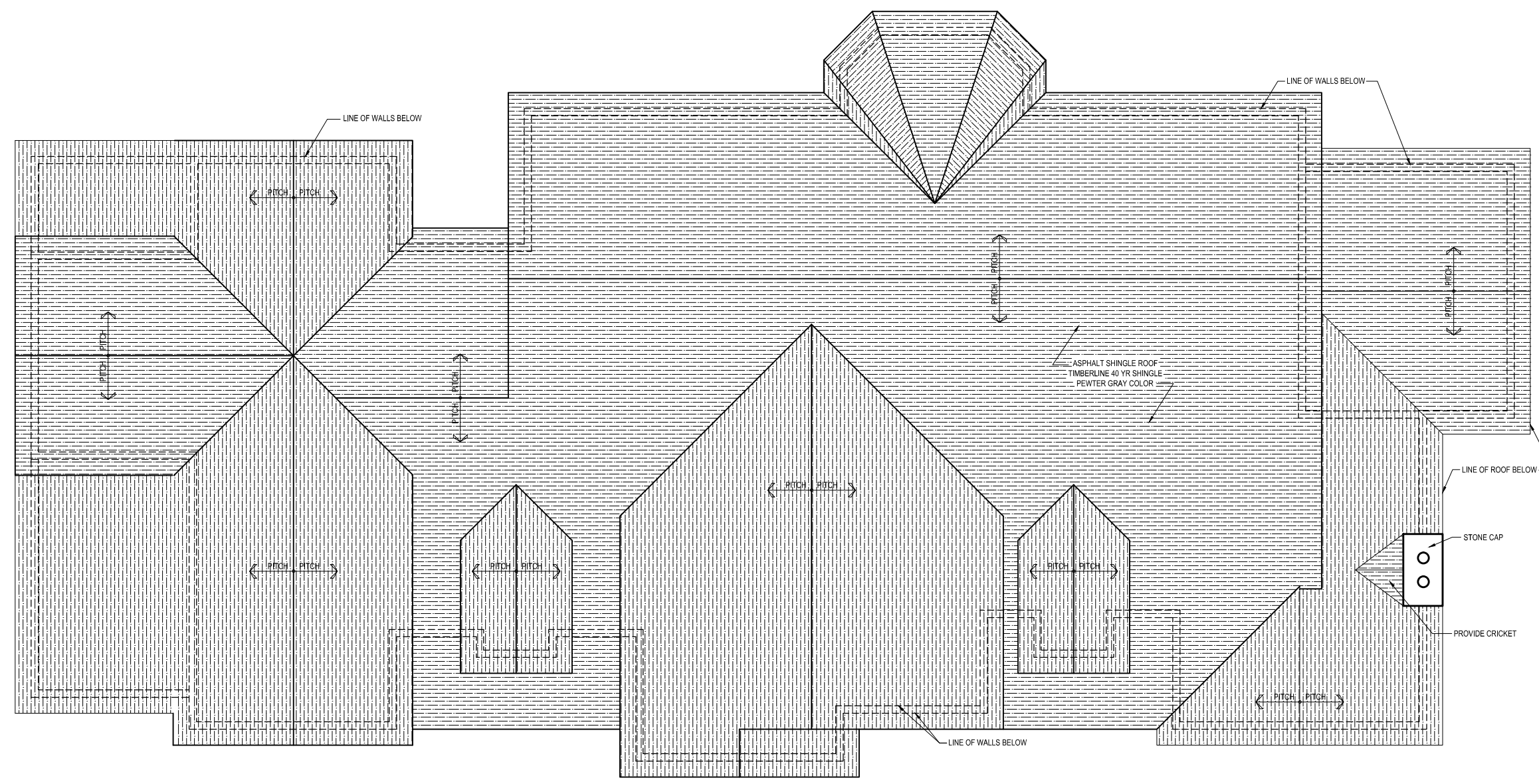
\*Permitted gross floor area for two-family dwellings in the R-2F District shall be one-third (1/3) greater than that permitted for one-family dwellings.



NEW SINGLE FAMILY DWELLING  
FOR:

4 LEDGEWOOD PL  
ARMONK, NY

JOSEPH GUARIELMO ARCHITECT  
64 ROGERS DRIVE  
NEW ROCHELLE, NY 10804  
TEL. (914) 804-7157  
JGNArch@gmail.com



8-31-21 ISSUED FOR ZONING REVIEW  
NO. DATE REVISION

PROPOSED  
FLOOR PLANS

JOB NO.: 2106  
DATE: 6-23-21  
SCALE: AS NOTED  
DRAWN BY: JWG

DRAWING NO.:

A-2



NEW SINGLE FAMILY DWELLING  
FOR:

4 LEDGEWOOD PL  
ARMONK, NY

JOSEPH GUARIELMO ARCHITECT  
64 ROGERS DRIVE  
NEW ROCHELLE, NY 10804  
TEL. (914) 804-7157  
JGNArch@gmail.com



PROPOSED SIDE ELEVATION  
SCALE 1/8" = 1'-0"



PROPOSED FRONT ELEVATION  
SCALE 1/8" = 1'-0"



PROPOSED SIDE ELEVATION  
SCALE 1/8" = 1'-0"



PROPOSED REAR ELEVATION  
SCALE 1/8" = 1'-0"



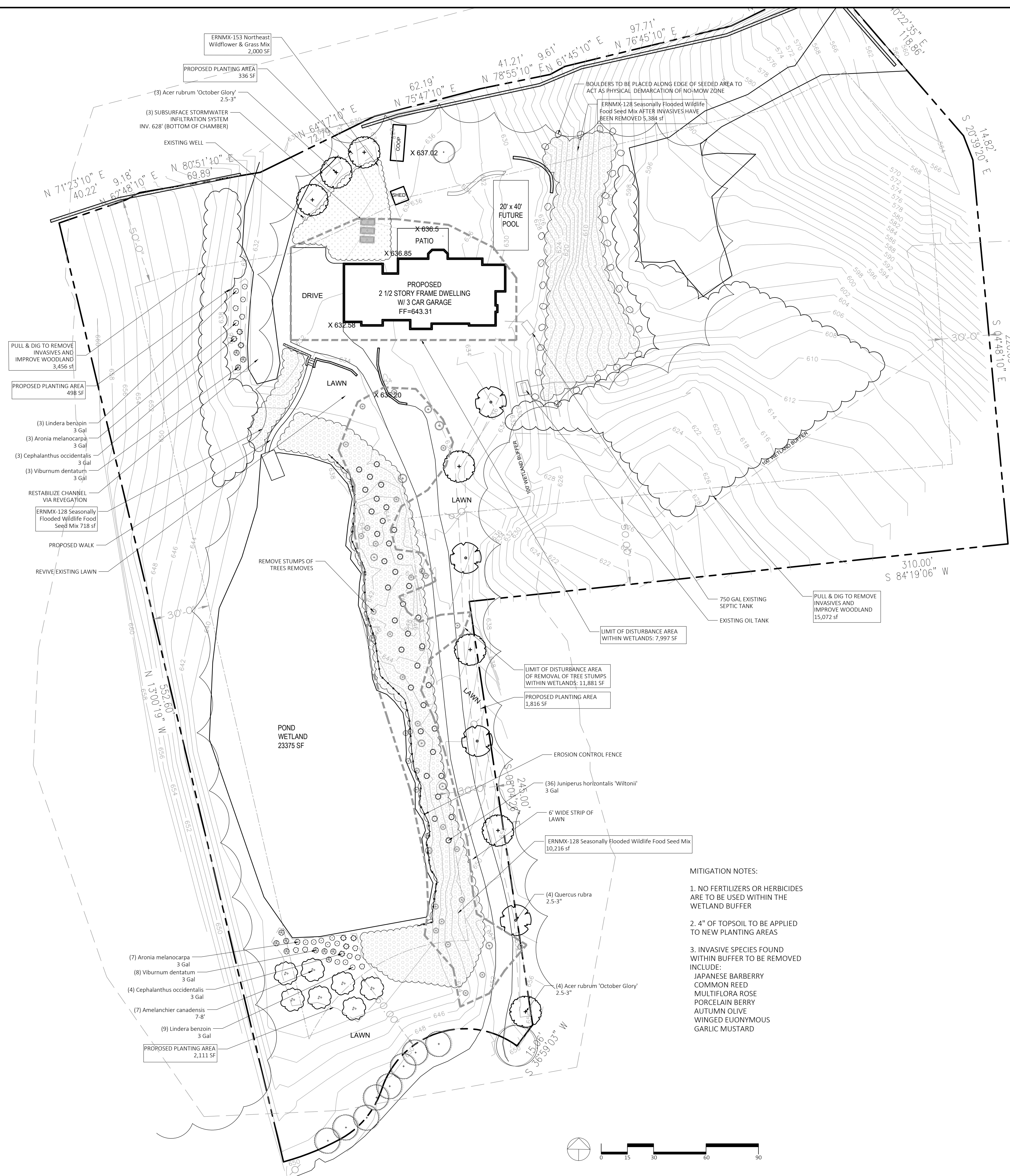
NO.	DATE	REVISION
	8-31-21	ISSUED FOR ZONING REVIEW

PROPOSED  
ELEVATIONS

JOB NO.: 2106  
DATE: 6-23-21  
SCALE: AS NOTED  
DRAWN BY: JWG

DRAWING NO.:  
**A-3**





**WETLAND BUFFER AREAS OF DISTURBANCE & IMPROVEMENTS**

WETLAND	BUFFER AREA	LIMIT OF DISTURBANCE	IMPROVEMENTS WITHIN BUFFER
POND WETLAND 2,3375 SF	WETLAND BUFFER AREA 37,363 SF	LIMIT OF DISTURBANCE OUTSIDE WETLANDS: NONE	AREA OF NEW PROPOSED PLANTING WITHIN WETLAND BUFFER: 4,761 SF
DRAINAGE DITCH WETLAND 2,964 SF	WETLAND BUFFER AREA 42,543 SF	PROPOSED 2.5 STORY HOUSE DISTURBANCE WITHIN WETLANDS 7,997 SF	AREA OF RESTABILIZER SEED MIX ERINX-128 SEASONALLY FLOODED WILDLIFE FOOD SEED MIX: 16,000 SF
WATER COURSE WETLAND 6,165 SF	WETLAND BUFFER AREA 56,671 SF	LIMIT OF DISTURBANCE AREA OF THE REMOVAL OF TREES WITHIN WETLANDS 11,881 SF	AREA OF NORTHEAST WILDFLOWER & GRASS MIX ERINX-153: 2,000 SF AREA OF INVASIVE REMOVAL & WOODLAND IMPROVEMENTS: 18,528 SF
<b>32,504 SF</b>	<b>136,577 SF</b>	<b>DISTURBANCE WITHIN BUFFER: 19,878 SF</b>	<b>41,286 SF (39,756 REQUIRED)</b>

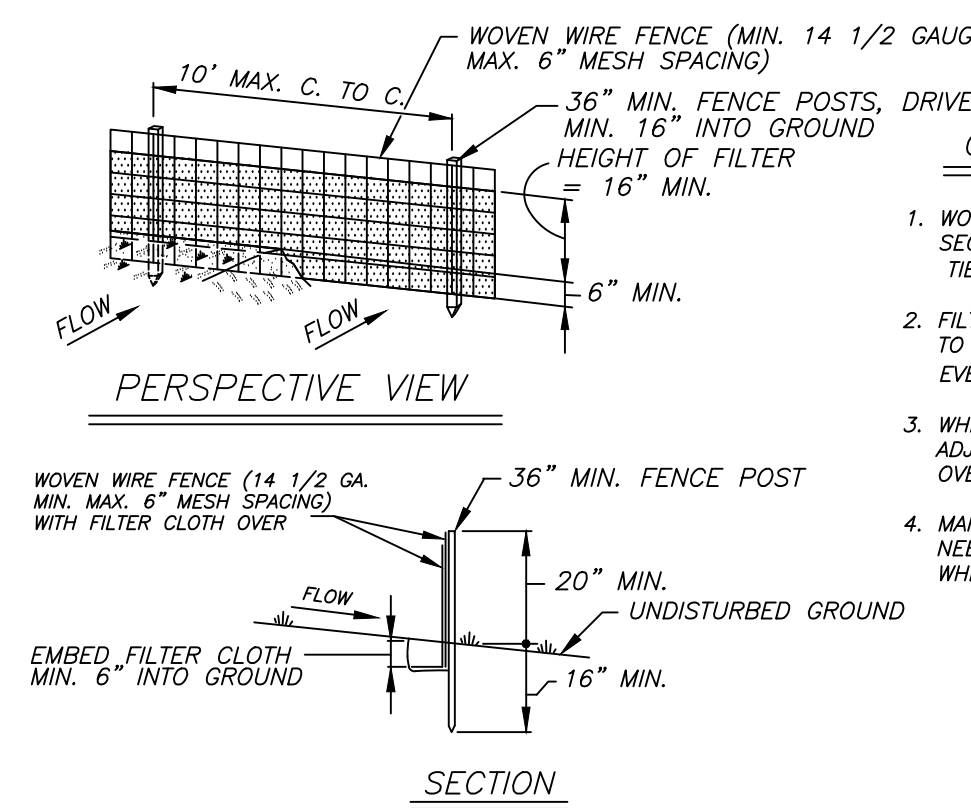
**WETLAND BUFFER IMPROVEMENT PLANT SCHEDULE**

QTY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
<b>TREES</b>				
7	Acer rubrum 'October Glory'	October Glory Red Maple	2.5-3" Cal	
4	Quercus rubra	Red Oak	2.5-3" Cal	
7	Amelanchier canadensis	Serviceberry	7-8"	Multi-Stem
<b>SHRUBS</b>				
10	Aronia melanocarpa	Black Chokeberry	3 Gallon	
7	Cephalanthus occidentalis	Button Bush	3 Gallon	
36	Juniperus horizontalis 'Wiltonii'	Creeping Juniper	1 Gallon	
12	Linder benzoin	Spice Bush	3 Gallon	
11	Viburnum dentatum	Arrowwood Viburnum	3 Gallon	
<b>SEED MIX</b>				
6 LBs	16,000 SF of ERINX-128 by Ernst Seeds	Seasonally Flooded Wildlife Food Mix	1 LB Bag per 2,000SF	
1 LBs	2,000 SF of ERINX-153 by Ernst Seeds	Northeast Wildflower and Grass Mix	1 LB Bag per 2,000SF	

**PLANT IMAGES**







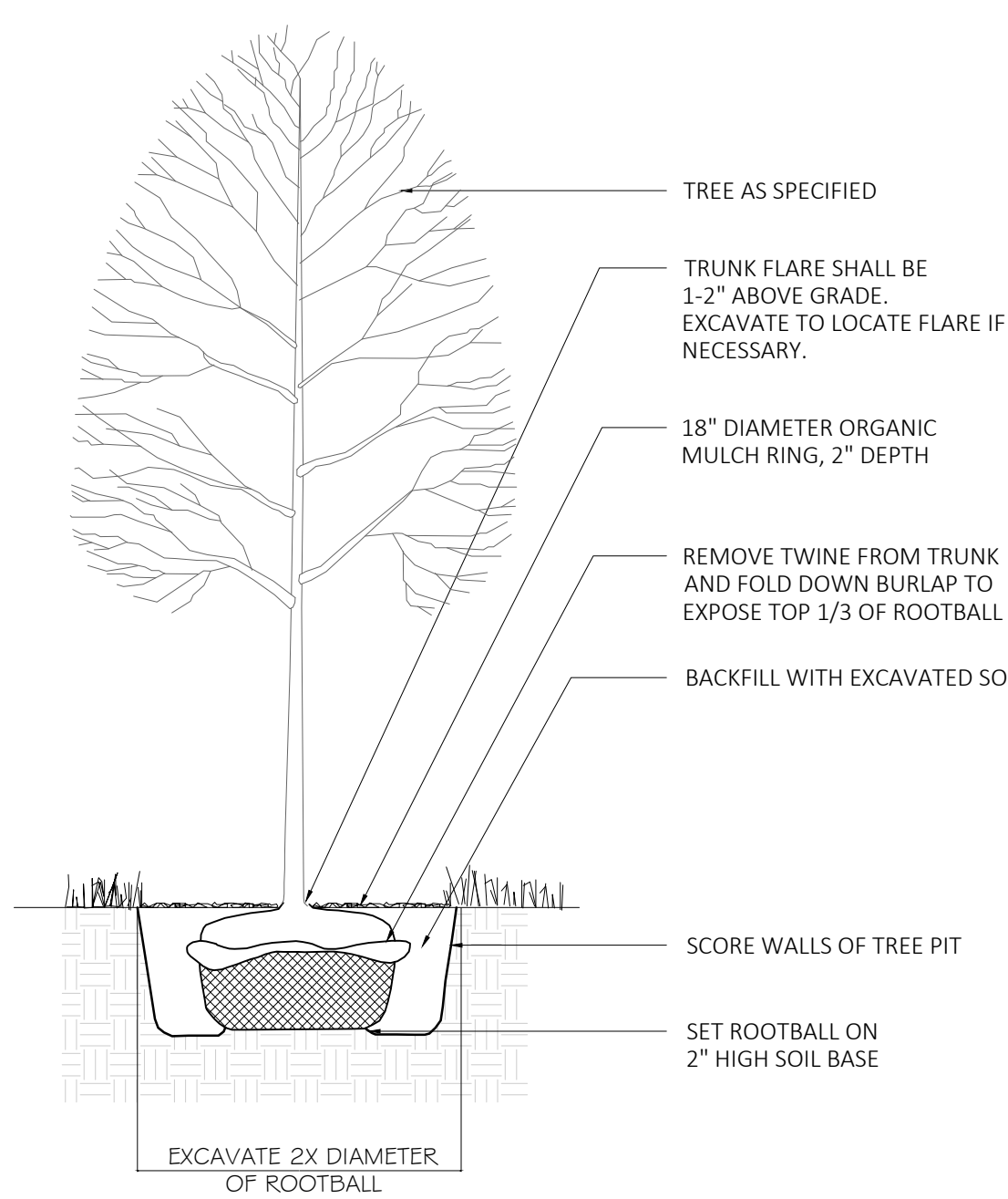
**CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

POSTS: STEEL EITHER 1" OR 1 1/2" TYPE OR 2" HARDWOOD.  
FENCE: WOVEN WIRE 14 1/2 GA. 6" MAX. MESH OPENING.  
FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUAL.  
PREFABRICATED UNIT: GEOFAB, ENVROFENCE, OR APPROVED EQUAL.

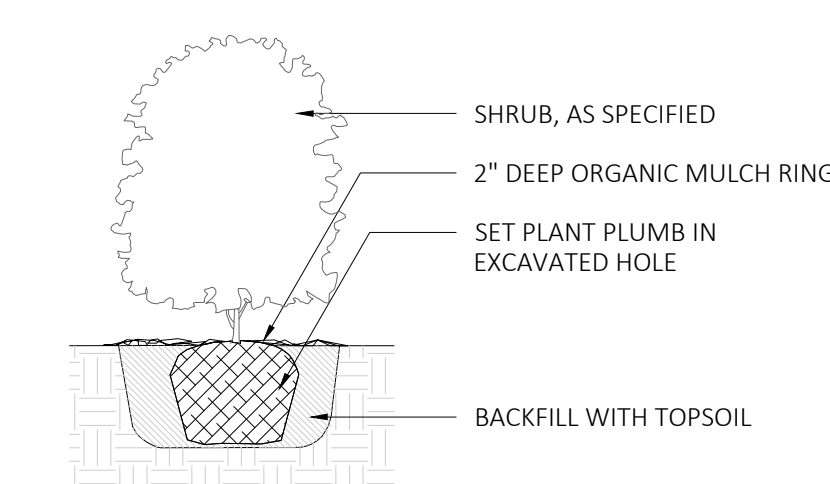
**WIRE REINFORCED SILT FENCE**

NTS



NOTES:

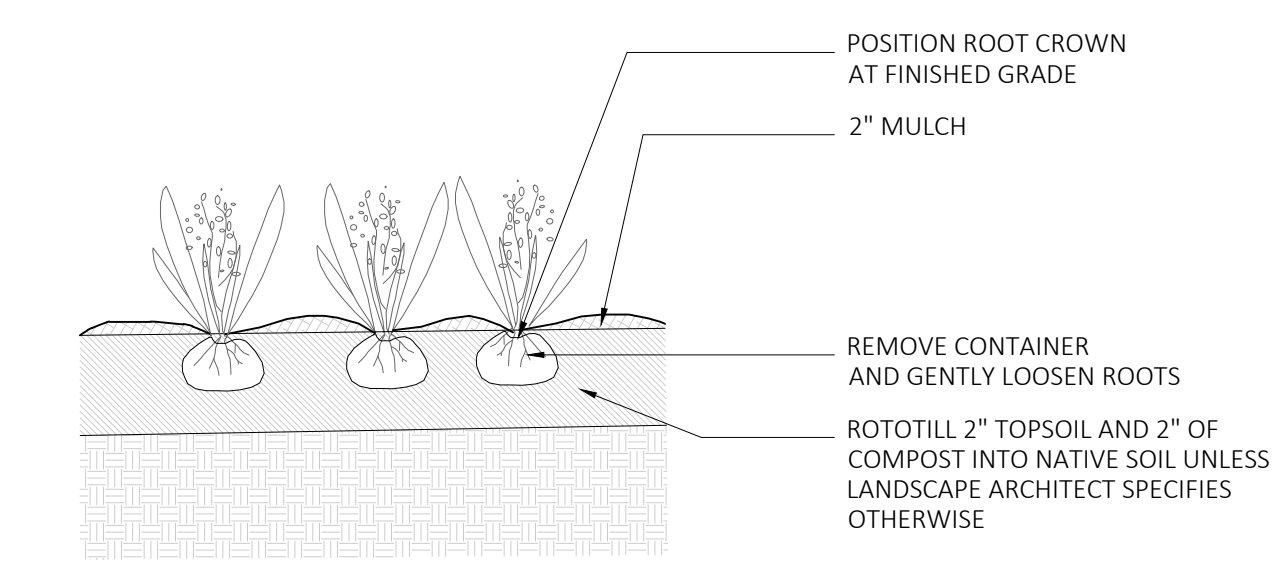
- SET TREE PLUMB.
- DO NOT STAKE UNLESS DIRECTED TO DO SO BY LANDSCAPE ARCHITECT
- REMOVE COMPLETELY ANY NON-BIODEGRADABLE MATERIALS BINDING THE ROOTBALL.
- REMOVE WIRE BASKET COMPLETELY IF ROOTBALL WILL BARE. OTHERWISE, CLIP AND PEEL BACK WIRE BASKET AT LEAST ONE THIRD OF THE WAY FROM THE TOP OF THE ROOTBALL.
- SATURATE SOIL WITHIN SIX (6) HOURS OF PLANTING AND WATER AS NECESSARY UNTIL IRRIGATION IS INSTALLED.
- DO NOT ADD ANY SOIL AMENDMENTS OTHER THAN COMPOST UNLESS DIRECTED TO BY LANDSCAPE ARCHITECT.
- DO NOT ADD ANY SOIL OR MULCH AGAINST TRUNK OF TREE. IF ROOT FLARE IS NOT EXPOSED, REMOVE SOIL AND EXPOSE.



NOTES:

- FOR B & B PLANT MATERIAL, REMOVE ALL TWINE AND ROLL BACK BURLAP FROM TOP 1/2 OF BALL. IF ANY MATERIALS USED TO BIND THE ROOTBALL ARE NON-BIODEGRADABLE, REMOVE COMPLETELY INCLUDING WIRE BASKET.
- FOR CONTAINER GROWN PLANT MATERIAL, REMOVE CONTAINER. TO HELP PREVENT LOOSENING OF SOIL AND SCARIFY BALL TO HELP PREVENT GIRDLING ROOTS.
- SATURATE SOIL WITHIN SIX (6) HOURS OF PLANTING, AND WATER AS NECESSARY UNTIL IRRIGATION IS INSTALLED.
- NO MULCH OR SOIL SHOULD BE PLACED AGAINST THE PLANT'S TRUNK.

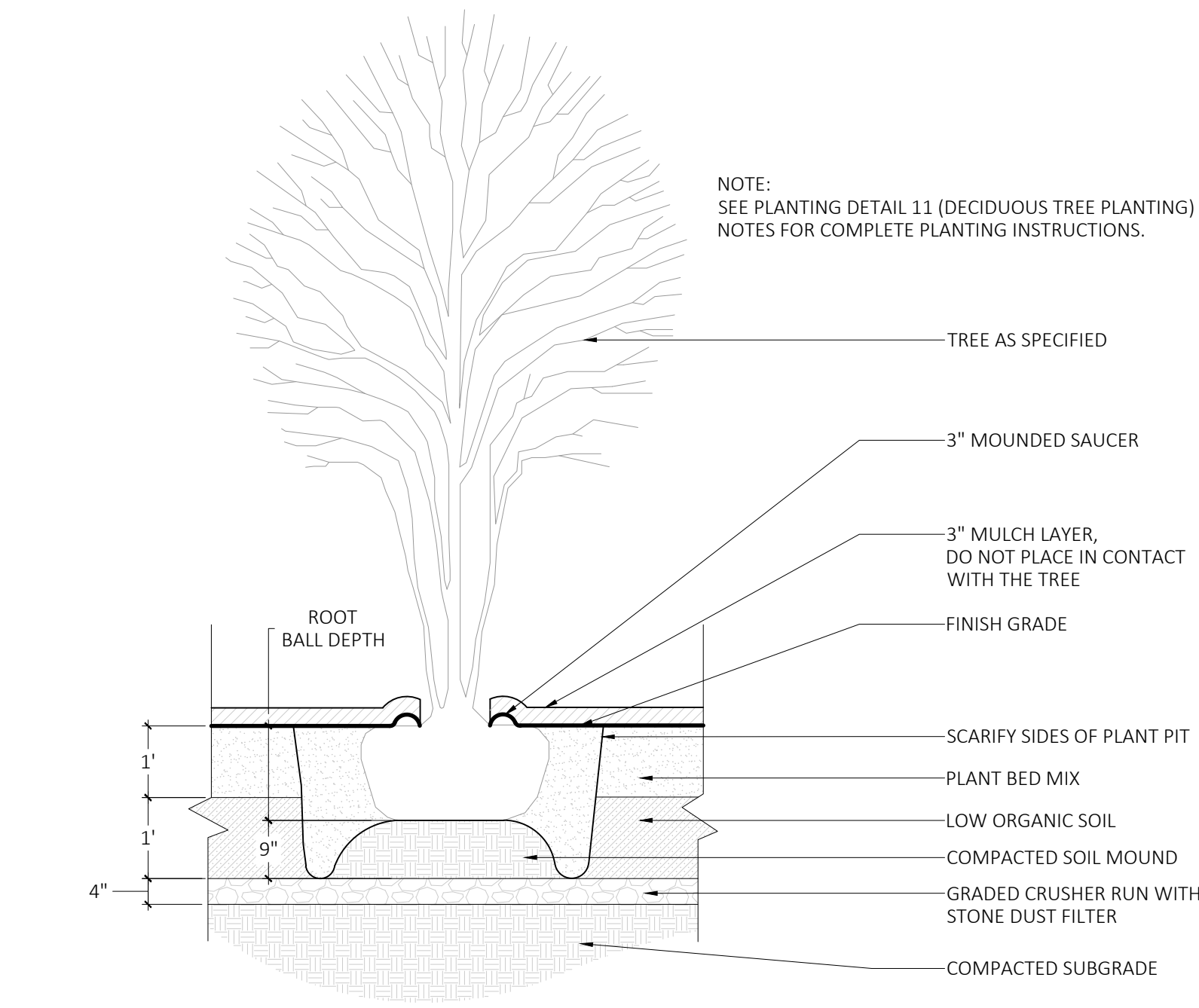
3 SHRUB PLANTING  
SCALE: 1/2"=1'



4 GROUNDCOVER PLANTING  
SCALE: 1/2"=1'

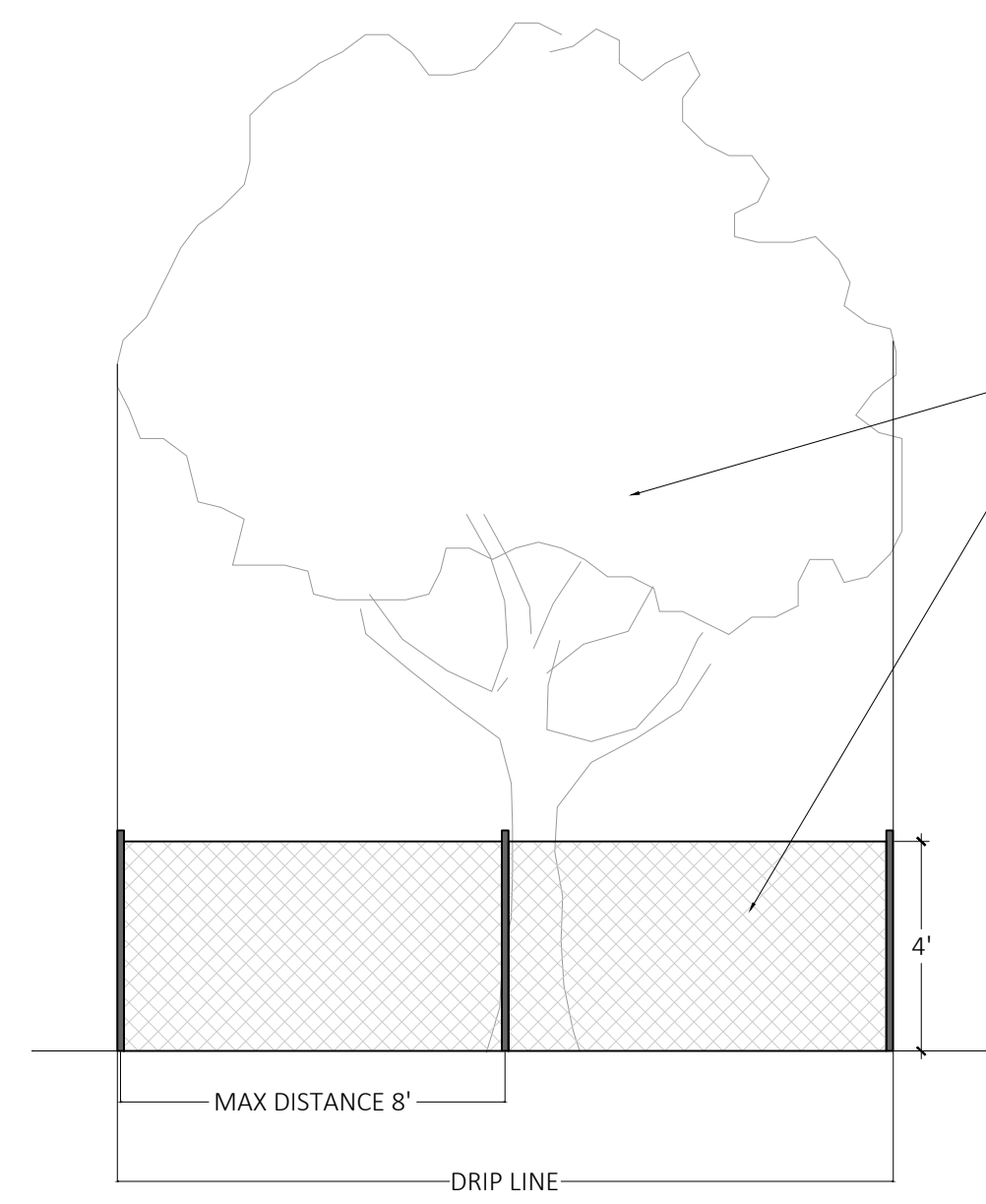
1 SILT FENCE - EROSION CONTROL  
SCALE: NOT TO SCALE

2 DECIDUOUS TREE PLANTING  
SCALE: 1/4"=1'



NOTE:  
SEE PLANTING DETAIL 11 (DECIDUOUS TREE PLANTING) NOTES FOR COMPLETE PLANTING INSTRUCTIONS.

5 MULTISTEM TREE PLANTING  
SCALE: 1/2"=1'

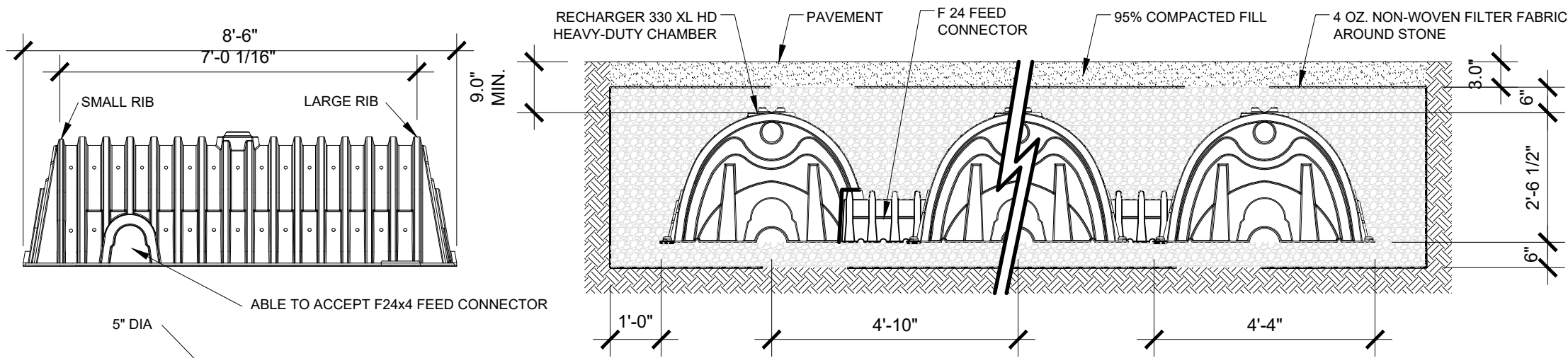


NOTES:

- ORANGE BARRIER FENCING SHALL BE USED TO PROTECT ALL EXISTING TREES AND ROOT ZONES.
- FENCING SHALL CREATE A ZONE OF PROTECTION WITH A MINIMUM RADIUS OF 1' FROM TREE TRUNK FOR EVERY 1" OF TRUNK DIAMETER (I.E. 12" DBH TREE=12' RADIUS ROOT ZONE PROTECTION)
- NO CONSTRUCTION MATERIALS OR DEBRIS SHALL BE STORED INSIDE OF THE FENCING.
- THE FENCING SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, AND SHALL BE REMOVED WHEN CONSTRUCTION IS COMPLETE.
- THE OWNER SHALL BE INFORMED IMMEDIATELY OF ANY DAMAGE TO EXISTING TREES TO BE PRESERVED, INCLUDING BARK AND BRANCH DAMAGE.

6 TREE PROTECTION  
SCALE: 1/4"=1'





**GENERAL NOTES**  
 RECHARGER 330 XL HD BY CULTEC, INC. OF BROOKFIELD, CT. STORAGE PROVIDED = 11.32 CF/FT PER DESIGN UNIT. REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES. USE RECHARGER 330 XL HD HEAVY DUTY FOR TRAFFIC AND/OR H2O APPLICATIONS.

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

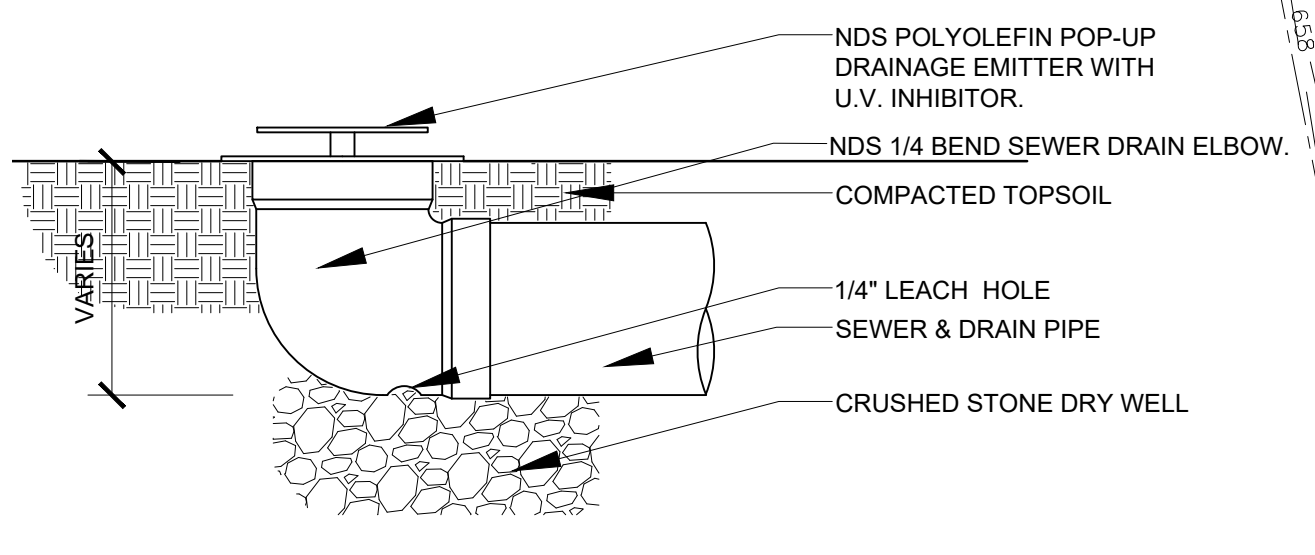
**CULTEC 330XLHD STORM WATER SYSTEM**  
 TYPICAL CROSS SECTION DETAIL  
 SCALE: 3/8" = 1'-0"

CULTEC RECHARGER 330XL HD CHAMBER STORAGE = 7.459 CF/FT INSTALLED LENGTH ADJUSTMENT = 1.5'  
 ALL RECHARGER 330XL HD HEAVY DUTY UNITS ARE MARKED WITH A COLOR STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.

**STORM WATER DRAINAGE CALCULATIONS**

Information to comply with the following: Stormwater Management Westchester County, New York Best Management Practices Manual Series	<b>IMPERVIOUS LOT COVERAGE:</b> PROPOSED BUILDING ROOF: 3329 S.F. PROPOSED REAR PATIO: 442 S.F.
<ul style="list-style-type: none"> <li>Address: 4 LEDGEWOOD ARMONK, N.Y.</li> <li>Deep hole test verified November 27, 2019</li> <li>Test holes was presoaked on November 26, 2019</li> <li>Percolation test was performed on November 26, 2019</li> <li>Test holes @ 12" @ 24" deep</li> <li>Weather: clear (no rain)</li> <li>Temperature: 70°</li> <li>Ground condition: Dry</li> </ul>	TOTAL IMPERVIOUS SURFACES AREA= 3771 sf
Measure time for the water level to drop exactly one (1) inch or thirty (6) minutes. Refill to original level and repeat until approximately equal results are obtained on successive tests.	Given: 1. 12" Ø hole 2. Drop AVG. IN 8 MIN = 3" 3. Perc Rate: 8/3= 2.6 mpi 4. Davg: 8 min.
Perc Test #1 start time: 11:53 end time: 11:59 total drop of 1" in: 6 min.	Perc Test #2 start time: 12:00 end time: 12:06 total drop of 1" in: 6 min.
Perc Test #3 start time: 12:10 end time: 12:16 total drop of 1" in: 6 min.	Average drop is 1" in 6 min.
<b>STORAGE PROVIDED WITHIN ENTIRE CULTEC STORMWATER SYSTEM:</b> BED DEPTH: 3.54 FT TOTAL AREA: 75.16 S.F. VOLUME OF EFFECTIVE (NOT INCLUDED ADDITIONAL COVER) 266.19 C.F. PERIMETER OF BED: 25.66 FT TOTAL STORAGE WITHIN CULTEC RECHARGER 330XLHD CHAMBERS AND FEED CONNECTORS: 63 C.F. TOTAL STONE REQUIRED: 203 C.F. STORAGE PROVIDED WITHIN STONE: 81.12 C.F. <b>TOTAL STORAGE WITHIN CULTEC STORMWATER SYSTEM: 145 C.F.</b>	

- Select Design Storm:**  
Design Storm system: 25 year storm, 24 hour NRCC Extreme Precipitation in NY: 6.46 inches
  - Select type of subsurface disposal system:**  
Infiltration System:  
Recharger 330 xl hd by cultec, inc. of brookfield, ct. storage provided = 145 cft/ft per design unit.
  - Determine soil percolation rate:**
    - Area of percolation (Ap):  
(1) Area of cylinder (Ac)  
 $Ac = \pi d (\text{hole})^2$   
 $Ac = 3.14 (.67)^2 (1')$   
 $Ac = 2.09 \text{ ft}^2$
    - Bottom Area (Ab)  
 $Ab = \pi R^2$   
 $Ab = (3.14)(0.5)^2$   
 $Ab = 0.785 \text{ ft}^2$
 Therefore:  
 $Ap = Ac + Ab$   
 $Ap = 2.09 + 0.785$   
 $Ap = 2.875 \text{ ft}^2$
  - Volume of Percolation (Vp):  
 $Vp = Ab \times \text{Davg}$   
 $Vp = 0.785 \times (1/12 \text{ in/ft})$   
 $Vp = 0.785 \times 0.08 \text{ ft}^3$   
 $Vp = 0.065 \text{ ft}^3$
  - Soil Perc Rate (Sr)  
 $Sr = Vp / Ap / \text{Time}$   
 $Sr = 0.065 / 2.875 / 6 \text{ min.}$   
 $Sr = 0.0037 \text{ ft}^3 / \text{ft}^2 / \text{min.}$   
 $Sr = 0.0037 \times 60 \text{ min/hr} \times 24 \text{ hr/day}$   
 $Sr = 5.43 \text{ ft}^3/\text{ft}^2/\text{day}$   
 $Sr = \text{Reduce by 25\% (clogging factor):}$   
 $Sr = 5.43 \times .25\%$   
 $Sr = 4.07 \text{ ft}^3/\text{ft}^2/\text{day}$
- Calc Req Storage Volume:**  
25 year, 24hr Rainfall = 6.46"  
Proposed Cn = 98  
Excess Runoff from 25 yr storm  
Proposed Cn= 98; Er= 5.46"  
Existing (lawn) Cn=60; Er=2.42"  
 $Aer = 6.46 - 2.42 = 4.04"$   
 $Aer = 4.04"$   
 $Vreq(\text{storage}) = Aer \times Area$   
 $Vreq = 4.04" \times 1/12" \times 3771 \text{ s.f.}$   
 $Vreq(\text{storage}) = 1270 \text{ ft}^3$
- Calculate volume per drywell**  
 $Vw = \pi R^2 \times \pi D$   
Given: Volume of 330xlhd (Cultec chamber):  
 $Vc (\text{from cultec info sheet}) = 145 \text{ ft}^3/\text{unit}$
- Calculate 24hr percolation volume per drywell (Vp)**  
Volume of 330xlhd (Cultec chamber):  
 $Vc (\text{from cultec info sheet}) = 145 \text{ ft}^3/\text{unit}$   
Perc Volume per Chamber (Pv)  
 $Vp = (Vc) \times (Sr \times 24)$   
 $Vp = 145 \text{ ft}^3 \times 4.07 \text{ ft}^3/\text{ft}^2/\text{day}$   
 $Vp = 590.15 \text{ ft}^3$
- Calculate the total 24-hour volume per drywell (Vt)**  
 $Vt = \text{Volume of drywell (Vw)} + \text{Percolation Volume (Vp)}$   
 $Vt = 145 \text{ ft}^3 + 322.58 \text{ ft}^3$   
 $Vt = 468 \text{ ft}^3$
- Determine number of drywells required (DWr)**  
 $DWr = \text{required volume of storage (Vs)} / \text{total volume per drywell (Vt)}$   
 $DWr = Vs(\text{storage}) / 1270 \text{ ft}^3$   
 $Vt (\text{chamber}) 468 \text{ ft}^3$   
Use: 3 units

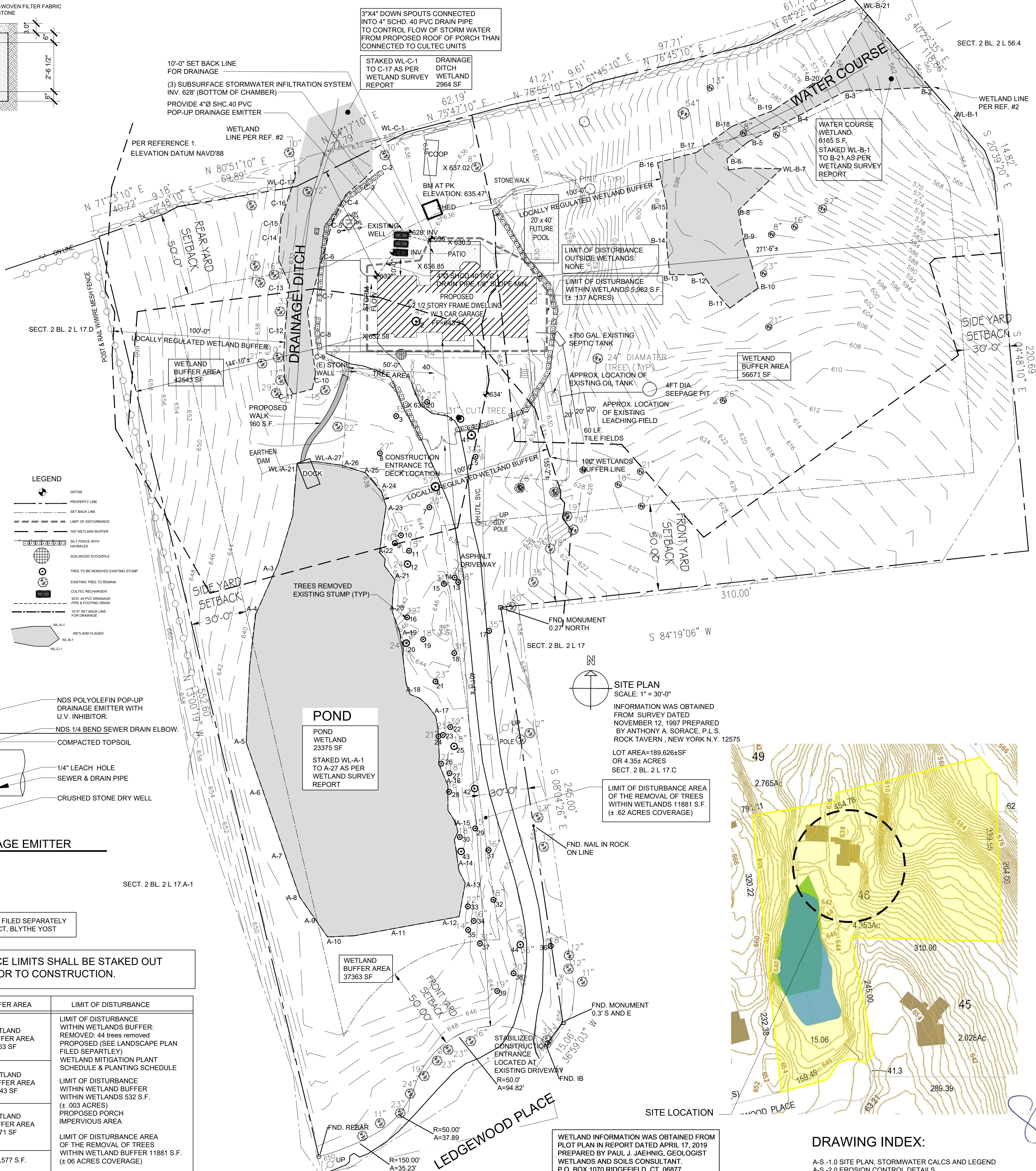


TYPICAL POP-UP DRAINAGE EMITTER  
 SCALE: 3/8" = 1'-0"

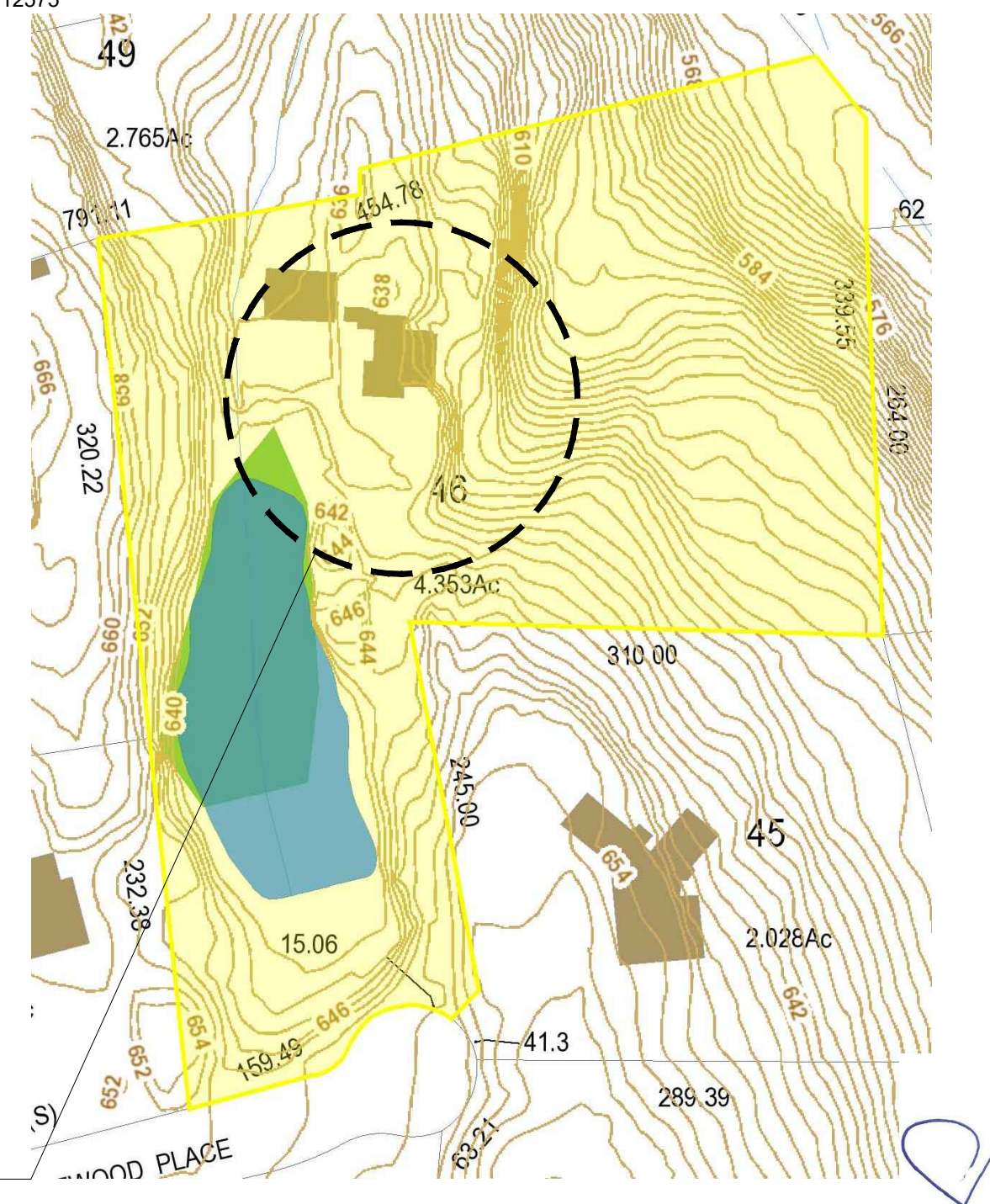
REFER TO LANDSCAPE PLAN FILED SEPARATELY FROM LANDSCAPE ARCHITECT, BLYTHE YOST

**THE DISTURBANCE LIMITS SHALL BE STAKED OUT IN THE FIELD PRIOR TO CONSTRUCTION.**

WETLAND	BUFFER AREA	LIMIT OF DISTURBANCE
POND WETLAND 23375 SF	WETLAND BUFFER AREA 37363 SF	LIMIT OF DISTURBANCE WITHIN WETLANDS BUFFER: REMOVED: 44 trees removed PROPOSED (SEE LANDSCAPE PLAN FILED SEPARATELY) WETLAND MITIGATION PLANT SCHEDULE & PLANTING SCHEDULE
DRAINAGE DITCH WETLAND 2964 SF	WETLAND BUFFER AREA 42543 SF	LIMIT OF DISTURBANCE WITHIN WETLAND BUFFER WITHIN WETLANDS 532 S.F. (± 003 ACRES)
WATER COURSE WETLAND 6165 S.F.	WETLAND BUFFER AREA 56671 SF	PROPOSED PORCH IMPERVIOUS AREA
32,504 S.F.	136,577 S.F.	LIMIT OF DISTURBANCE AREA OF THE REMOVAL OF TREES WITHIN WETLAND BUFFER 11881 S.F. (± 06 ACRES COVERAGE)



**SITE PLAN**  
 SCALE: 1" = 30'-0"  
 INFORMATION WAS OBTAINED FROM SURVEY DATED NOVEMBER 12, 1997 PREPARED BY ANTHONY A. SORACE, P.L.S. ROCK TAVERN, NEW YORK N.Y. 12575



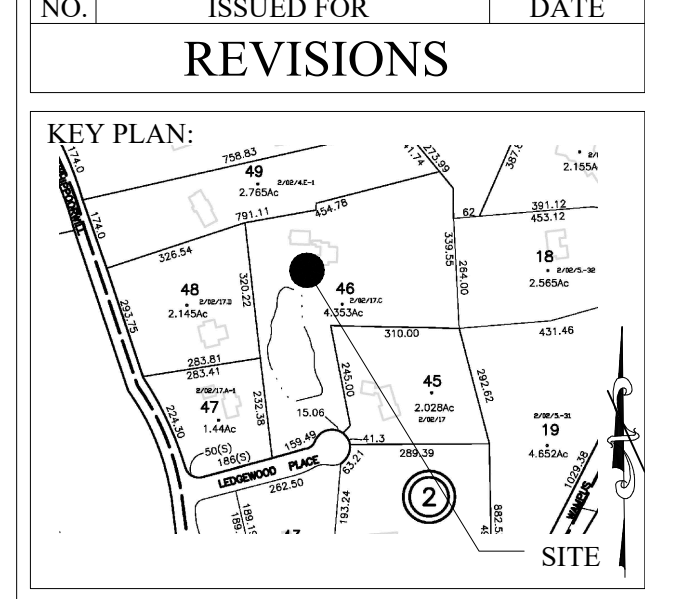
**DRAWING INDEX:**  
 A-S-1.0 SITE PLAN, STORMWATER CALCS AND LEGEND  
 A-S-2.0 EROSION CONTROL DETAILS

**ROLLANO ENGINEERING, P.C.**  
 411 THEODORE FREMID AVE.  
 SUITE 206 R RYE, NY 10580  
 phone: 914.925.3584 fax: 914.925.3434  
 RollanoEngineers@aol.com

**NOTE:**  
 PLANS ARE NOT TO BE SCALED. CONTRACTOR IS TO MAKE NO ASSUMPTIONS WITH REGARD TO THESE DRAWINGS. ANY ADDITIONAL INFORMATION OR DIMENSIONS REQUIRED TO PROPERLY ESTIMATE OR ERECT THIS PROJECT WILL BE SUPPLIED BY THE ENGINEER UPON REQUEST. CONTRACTOR SHALL VERIFY IN THE FIELD ALL DIMENSIONS AND CONDITIONS INDICATED ON THIS DRAWING AND BE RESPONSIBLE FOR SAME. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS SHOULD BE REPORTED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. THESE DRAWINGS SHALL NOT BE ALTERED WITHOUT THE CONSENT AND KNOWLEDGE OF THE ENGINEER. ALL REPRODUCTION RIGHTS RESERVED. REPRODUCTION WITHOUT PERMISSION IS PROHIBITED.

**MUNICIPALITY:**  
 TOWN OF NORTH CASTLE  
**PROPERTY INDEX:**  
 SECTION: 107.02  
 BLOCK: 02  
 LOT: 46  
 ZONE: R-2A

NO.	ISSUED FOR	DATE
1	STORM WATER REVIEW	08/24/21



**SCOPE OF WORK:**

**PROPOSED LOCATION OF NEW ONE-FAMILY DWELLING**

**PROJECT LOCATION:**

4 LEDGEWOOD PLACE  
 ARMONK, NEW YORK

**SHEET TITLE:**

SITE PLAN  
 STORM WATER CALCULATIONS,  
 AND LEGEND

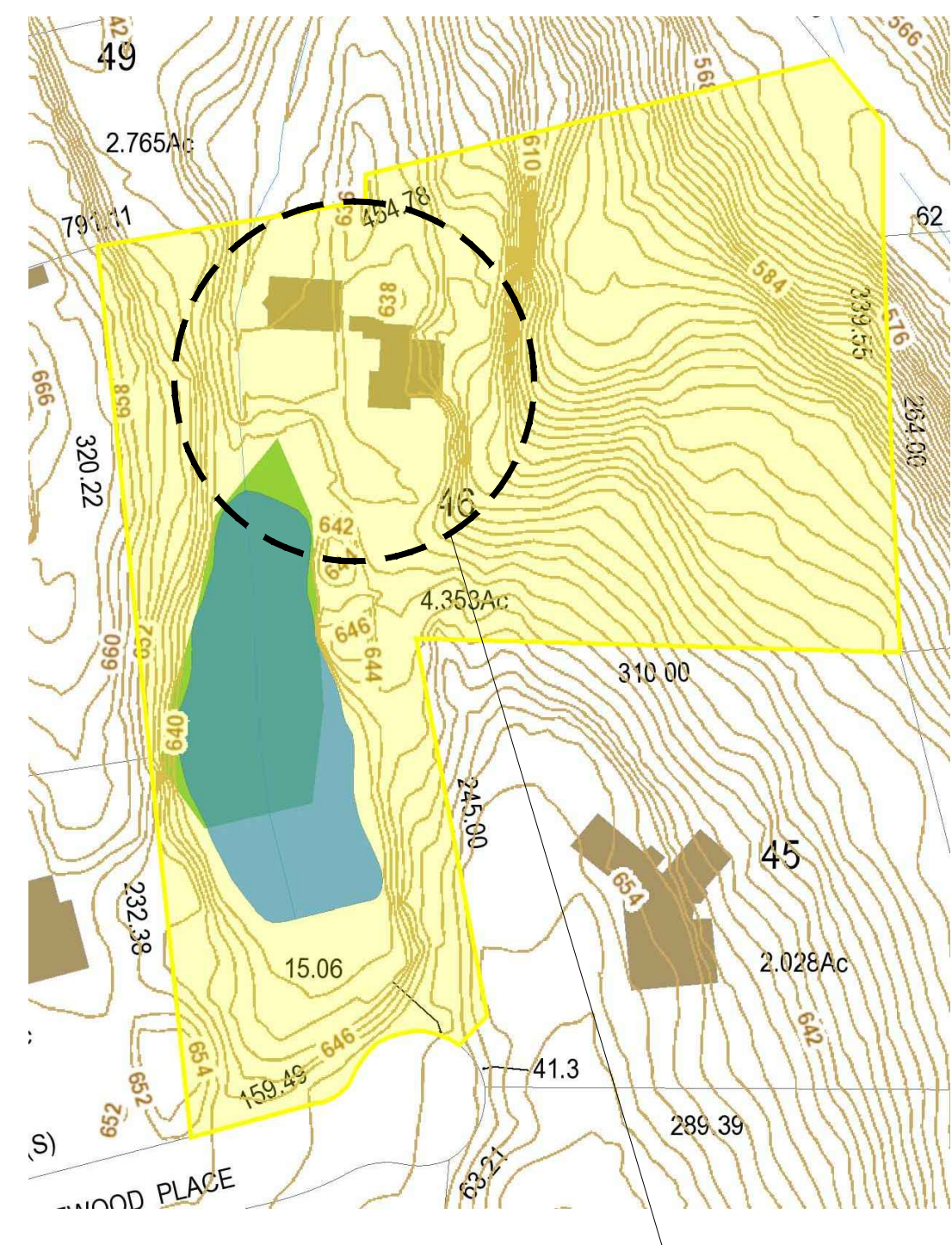
PROJECT #: 21-082421  
 SCALE: AS NOTED  
 DATE: 08/24/21  
 DRAWN BY: JOSEPH PATERNO, LEED AP  
 REVIEWED BY: LOUIS E. ROLLANO, P.E.

STATE OF NEW YORK  
 LOUIS E. ROLLANO  
 LICENSED PROFESSIONAL ENGINEER  
 081105

**S-1.0**

SHEET: 1 OF 2





**EROSION CONTROL NOTES:**

1. 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 UNTIL PERMANENT PROTECTION IS ESTABLISHED.
2. 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 TRAPS SHALL BE CLOSELY MONITORED AND SEDIMENT REMOVED PROMPTLY WHEN MAXIMUM LEVELS ARE REACHED OR AS ORDERED BY THE ENGINEER. ALL SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED ON A REGULAR BASIS, AND AFTER EACH HEAVY RAIN TO INSURE PROPER OPERATION AS DESIGNED. AN INSPECTION SCHEDULE SHALL BE SET FORTH PRIOR TO THE START OF CONSTRUCTION.
3. THE LOCATIONS AND THE INSTALLATION TIMES OF THE SEDIMENT CAPTURING STANDARDS SHALL BE AS ORDERED BY THE ENGINEER, AND IN ACCORDANCE WITH THE STANDARDS SET FORTH IN THIS MANUAL.
4. 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 WITH 14 DAYS.
5. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 21 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.
6. ALL DISTURBED AREAS WITHIN 500 FEET OF AN INHABITED DWELLING SHALL BE WETTED AS NECESSARY TO PROVIDE DUST CONTROL.
7. 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.
8. SEDIMENT AND EROSION CONTROL STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED BY PERMANENT MEASURES.
9. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH CURRENT EDITION OF "WESTCHESTER COUNTY BEST MANAGEMENT PRACTICES MANUAL FOR EROSION AND SEDIMENT CONTROL".
10. ALL DESIGNATED TREES SHALL BE PROTECTED DURING THE CONSTRUCTION PERIOD, EXCEPT THOSE DESIGNATED TO BE REMOVED. TREE PROTECTION SHALL BE IN ACCORDANCE WITH THE WESTCHESTER COUNTY BEST MANAGEMENT PRACTICES MANUAL.

**EROSION AND SEDIMENT CONTROL INSPECTIONS:**

- 1) AN INITIAL INSPECTION PRIOR TO THE PLAN APPROVAL.
- 2) AN EROSION AND SEDIMENT CONTROL INSPECTION TO ENSURE THAT EROSION AND SEDIMENT CONTROL PRACTICES ARE IN ACCORD WITH THE APPROVED PLAN.
- 3) AN INSPECTION PRIOR TO BACKFILLING ANY UNDERGROUND DRAINAGE OR STORMWATER CONVEYANCE STRUCTURES.
- 4) A FINAL INSPECTION WHEN ALL WORK, INCLUDING CONSTRUCTION OF STORMWATER MANAGEMENT FACILITIES AND PERMANENT SOIL STABILIZATION, HAS BEEN COMPLETED.

**CONSTRUCTION INSPECTION SCHEDULE:**

- 1) PRE INSPECTION OF THE LAND AREA TO BE AFFECTIVE.
- 2) INSPECTION OF THE HAYBALES, SILT FENCE AND ETC.
- 3) FOOTING INSPECTION
- 4) STOCKPILE INSPECTION
- 5) FINAL GRADE & VEGETATION INSPECTION

**SPECIFICATIONS:**

**CONDITIONS:**

1. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THE TOWN OF NORTH CASTLE BUILDING CODE, & THE NEW YORK STATE UFPC AND ALL OTHER APPLICABLE ORDINANCES, REGULATIONS, AND STANDARDS REQUIRED.
2. ALL MANUFACTURED ITEMS SHALL BE INSTALLED OR APPLIED AS DIRECTED BY THE MANUFACTURERS RECOMMENDATIONS.
3. CONTRACTOR TO INCLUDE ALL MATERIALS, LABOR, INCIDENTALS AND SERVICES FOR SATISFACTORY COMPLETION OF THE WORK.
4. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING THE WORK.
5. CONTRACTOR SHALL PERFORM ALL WORK REQUIRED FOR THE TOTAL COMPLETION OF THE PROJECT, WHETHER OR NOT INDICATED ON THE DRAWINGS. THE INTENTION OF THE DRAWINGS IS FOR A COMPLETE AND PROPER FUNCTIONING OF THE ENTIRE PROJECT.

**INSURANCE:**

1. CONTRACTOR, AND HIS SUBCONTRACTORS, SHALL MAINTAIN WORKMEN'S COMPENSATION INSURANCE AS WELL AS ADEQUATE LIABILITY INSURANCE DURING THE ENTIRE LENGTH OF THE JOB.
2. OWNER SHALL PROVIDE ADEQUATE PROPERTY INSURANCE ON VALUE OF THE CONSTRUCTION, INCLUDING FIRE & VANDALISM.

**PERMITS & SURVEYS**

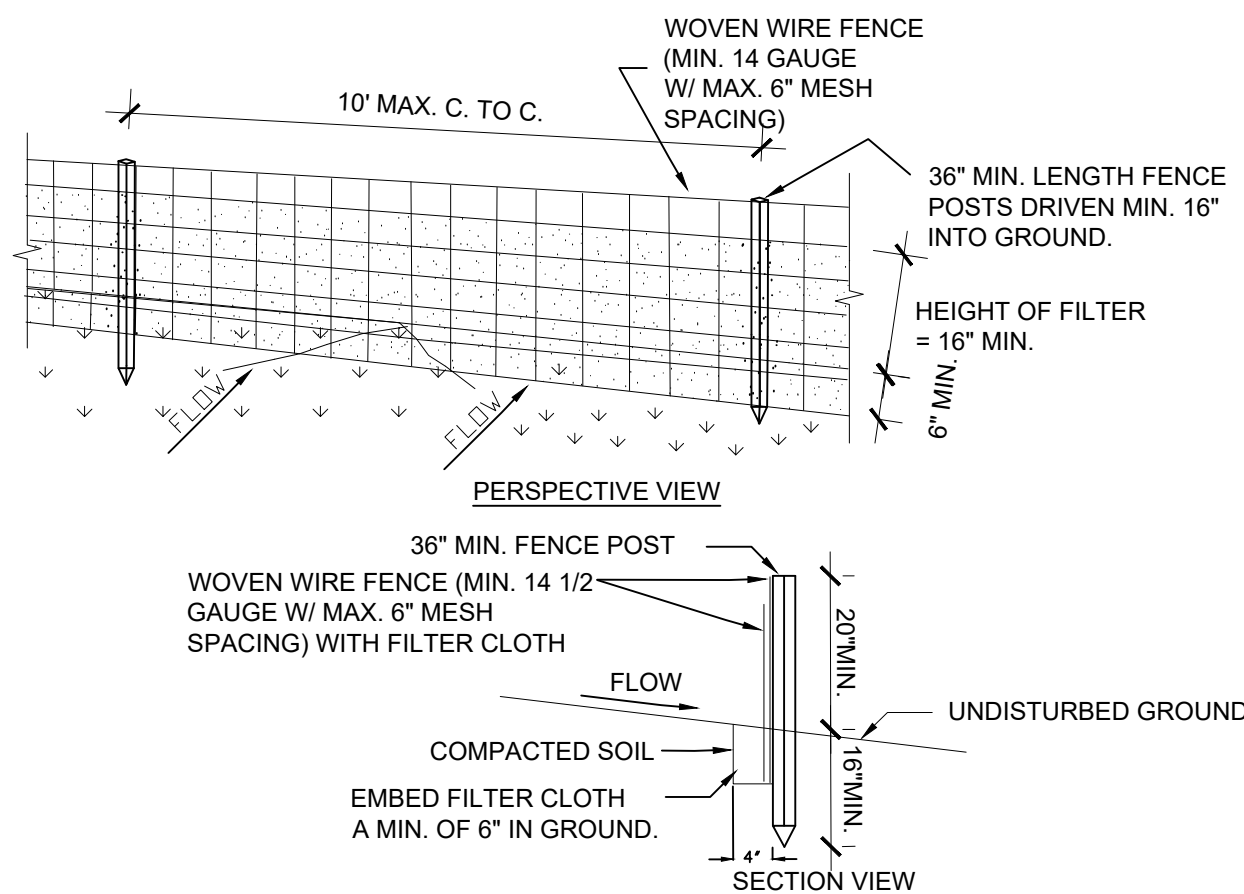
1. CONTRACTOR SHALL FURNISH ALL PERMITS, LICENSES AND APPROVALS NECESSARY TO COMPLETE THE WORK.
2. BUILDING SHALL BE STAKED OUT BY A LICENSED SURVEYOR WHO SHALL FILE A FINAL SURVEY AT THE COMPLETION OF WORK.
3. CONTRACTOR SHALL PROVIDE THE OWNER WITH A CERTIFICATE OF OCCUPANCY UPON COMPLETION OF WORK.

**SITE MAINTENANCE:**

1. JOB SITE TO BE KEPT CLEAN AT ALL TIMES. TRASH TO BE REMOVED FROM THE SITE WEEKLY OR STORED IN APPROVED DUMPSTER UNTIL FULL THAN CARTED AWAY FROM THE SITE.
2. CARE SHALL BE TAKEN TO PROTECT THE TREES ON THE PROPERTY FROM THE METHODS AND MANNERS OF CONSTRUCTION. TRAFFICKING AND STORAGE OF MATERIALS. RETURN THOSE AREAS DAMAGED BY SUCH TO THEIR ORIGINAL CONDITION.

**EXCAVATION:**

1. STOCKPILE ALL EXCAVATED SOIL FOR FUTURE REUSE AS FILL MATERIAL OR REMOVE AND DISPOSE OF AS REQUIRED.



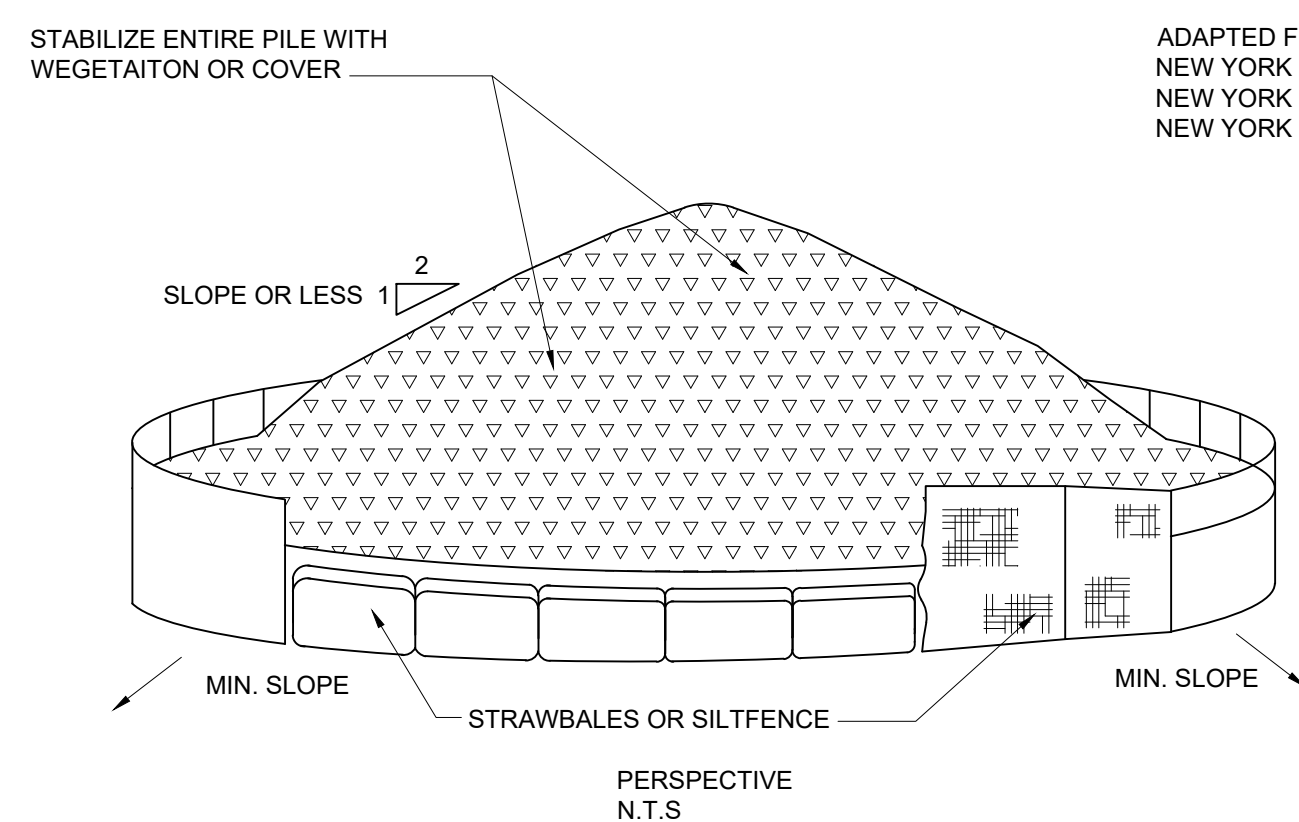
**SILT FENCE DETAIL**

SCALE: 1/4" = 1'-0"

**CONSTRUCTION SPECIFICATIONS**

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

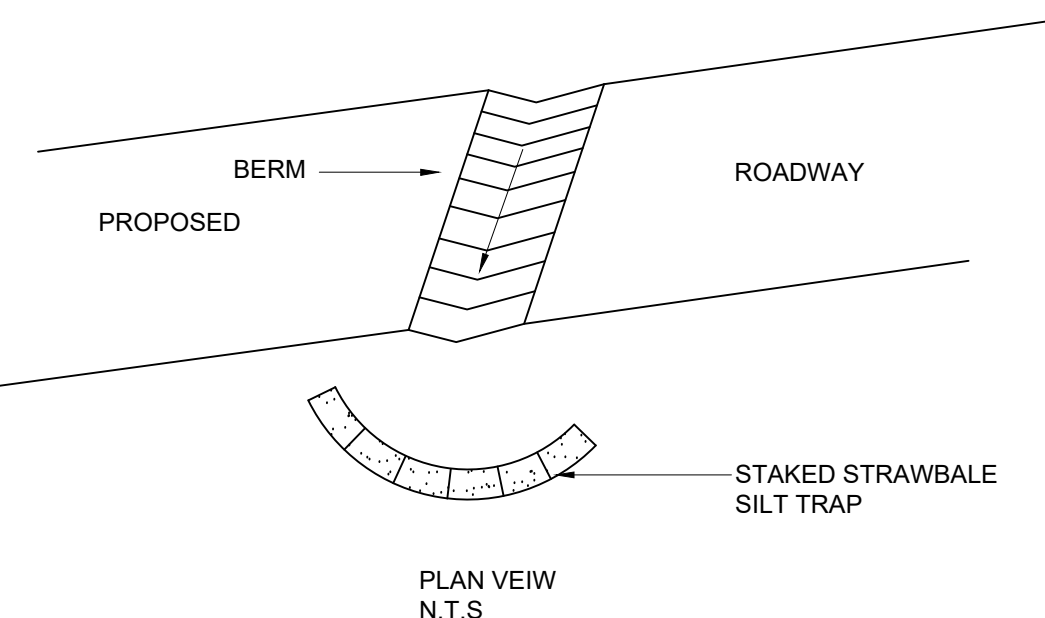


**INSTALLATION NOTES:**

1. AREA CHOSEN FOR STOCKPILES OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SPECIFICATIONS (THE MANUAL) FOR INSTALLATION OF SILTFENCE.

**SOIL STOCKPILE DETAIL**

SCALE: 1/4" = 1'-0"



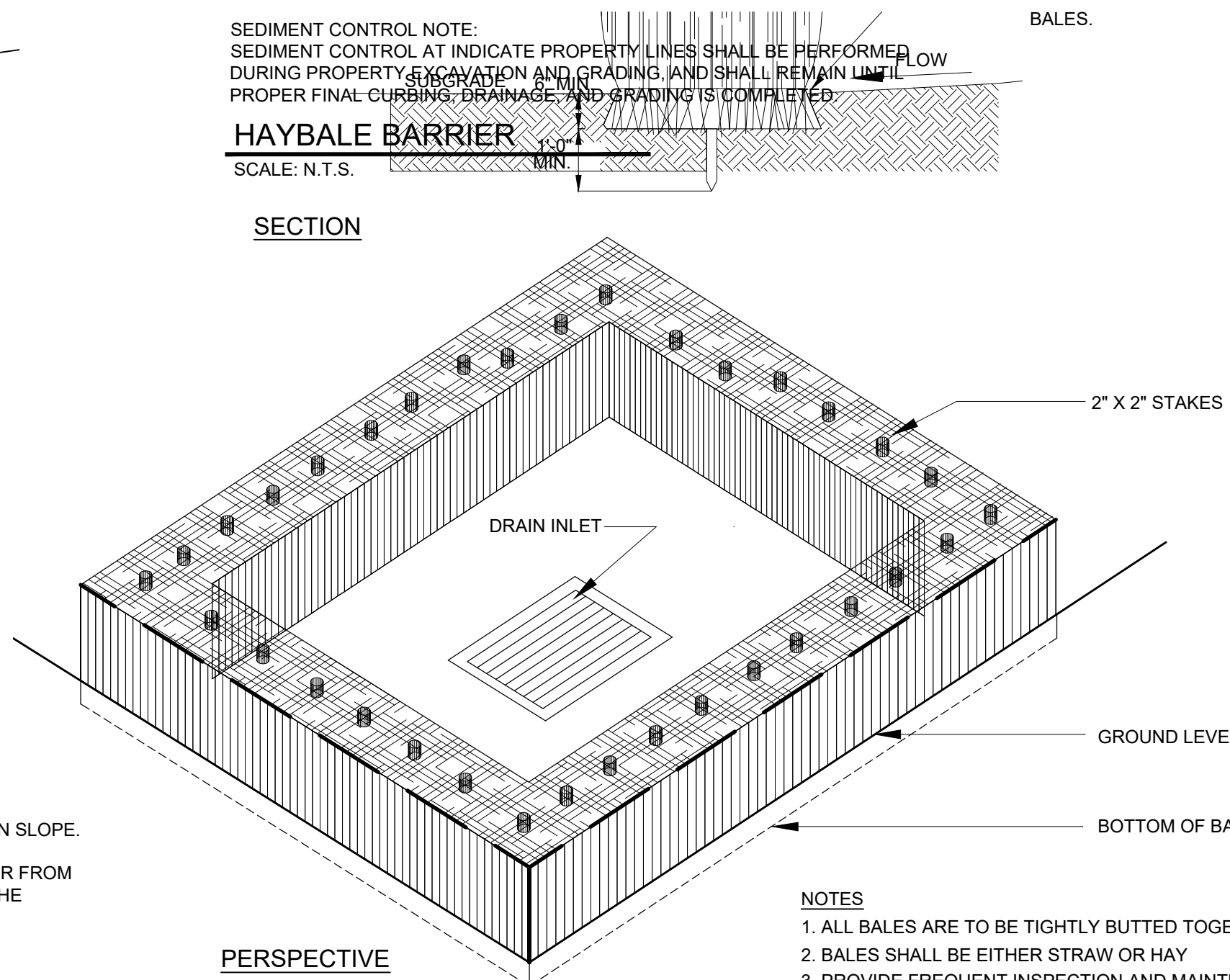
ROAD GRADE PERCENT	APPROX. DISTANCE (FT.) BETWEEN WATER BARRIERS
1	400
2	245
5	125
10	60
15	60

**INSTALLATION NOTES:**

1. WATER BARRIERS SHOULD BE INSTALLED AT ABOUT A 30 DEGREE ANGLE DOWN SLOPE.
2. THE CUT FLOW END OF THE WATER BARRIER SHOULD BE OPEN TO KEEP WATER FROM ACCUMULATING, AND BE PROTECTED BY A BUFFER OR FILTER ZONE TO CLEAR THE WATER OF SEDIMENT AND PREVENT EROSION.
3. ALL WATER BARRIERS SHALL EXTEND BEYOND ANY CUT/FILL AREAS ONTO UNDISTURBED GROUND AND SHALL TERMINATE IN SILT TRAPS MAINTAINED WITH STRAWBALES OR OTHER APPROVED FILTER DAMS.

**DRIVEWAY DIVERSION**

SCALE: N.T.S.

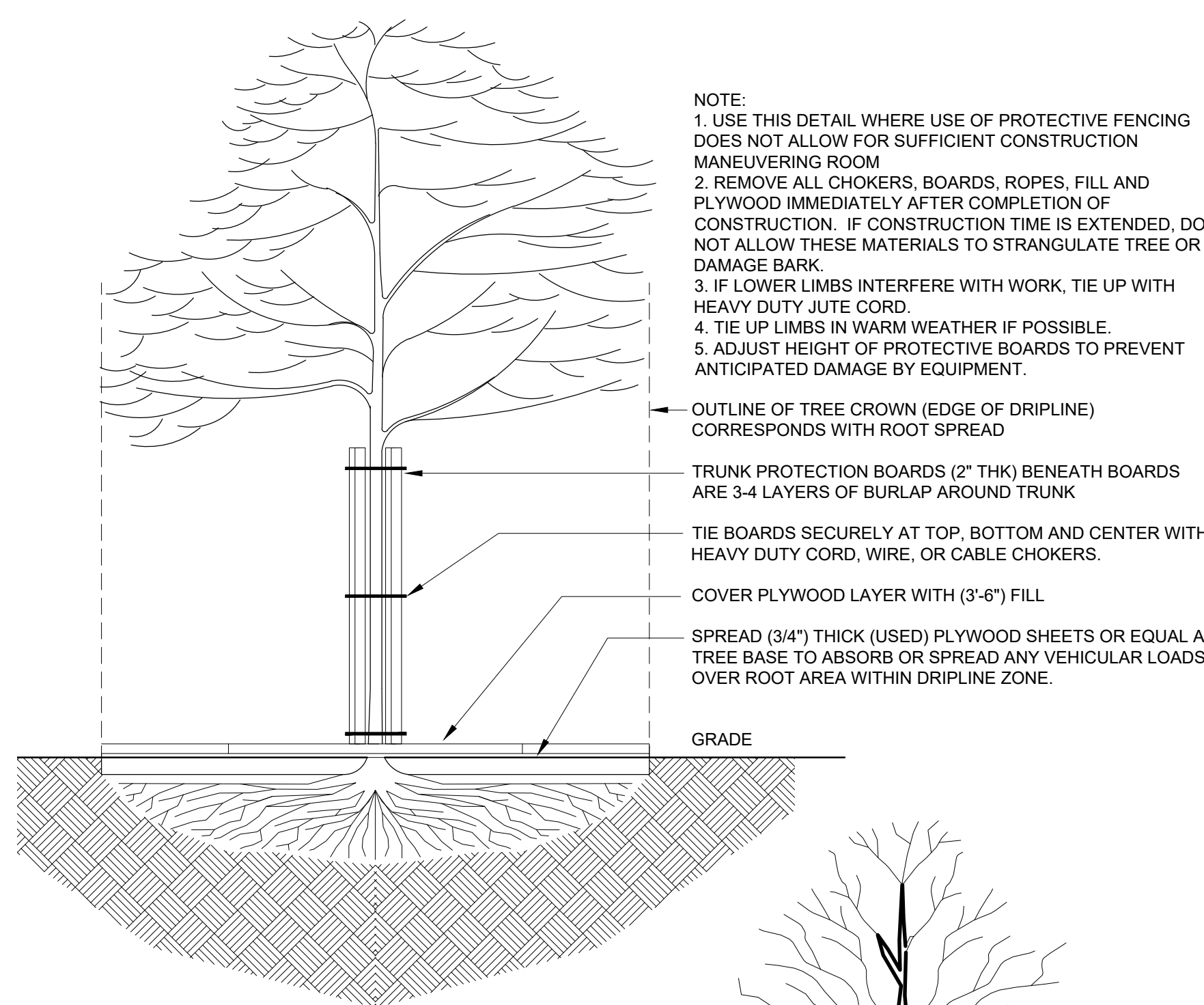


**NOTES**

1. ALL BALES ARE TO BE TIGHTLY BUTTED TOGETHER
2. BALES SHALL BE EITHER STRAW OR HAY
3. PROVIDE FREQUENT INSPECTION AND MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AND REPLACE CLOGGED BALES TO MAINTAIN EFFECTIVENESS OF INSTALLATION.

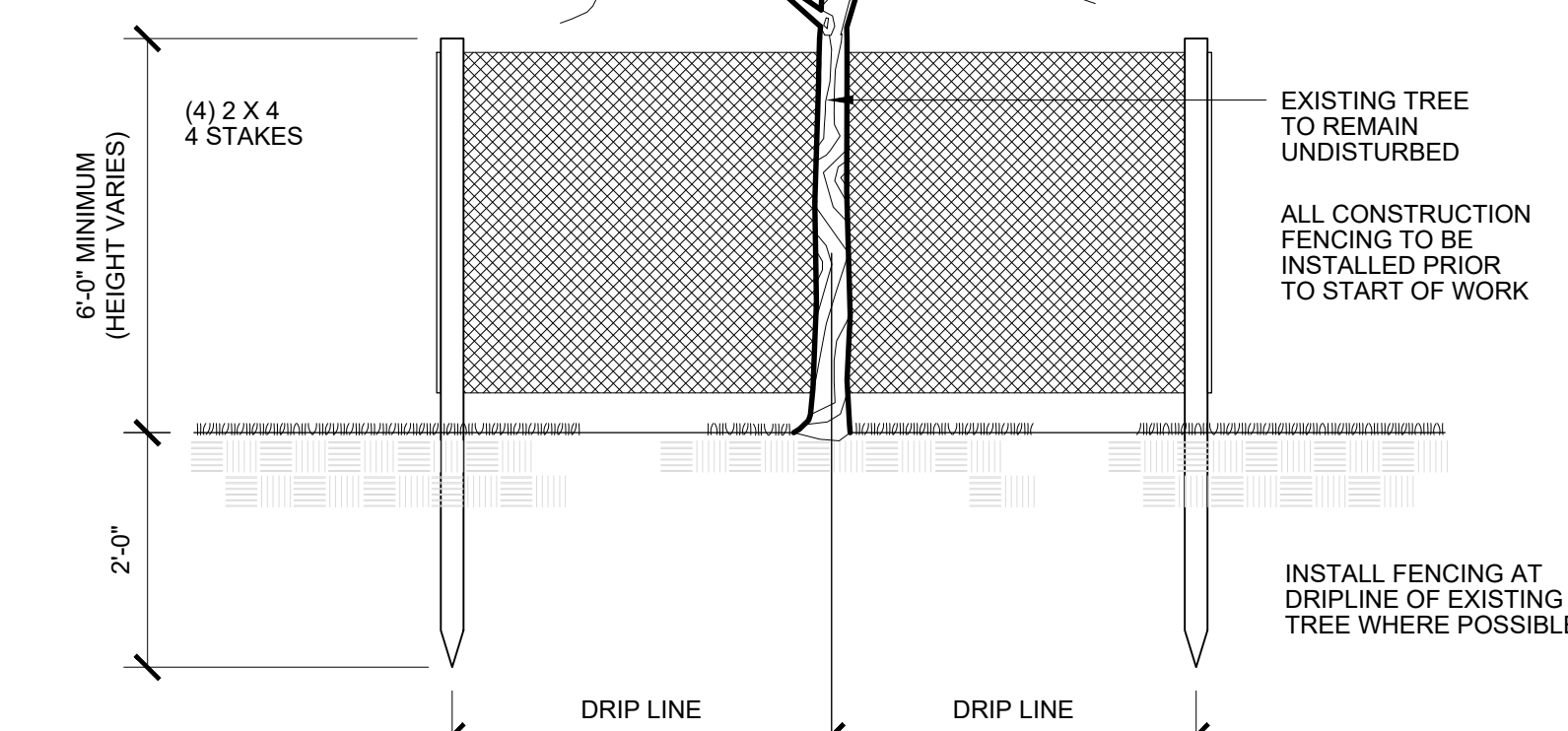
**INLET PROTECTION**

SCALE: N.T.S.



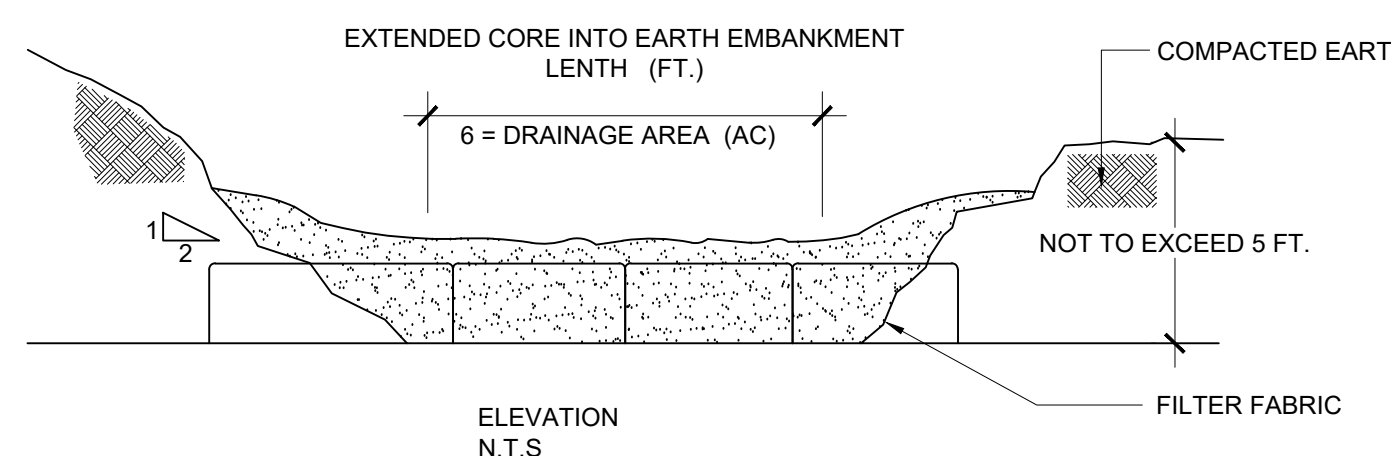
**TYP TREE PROTECTION (DURING CONSTRUCTION)**

SCALE: 1/4" = 1'-0"



**TYP TREE PROTECTION (DURING CONSTRUCTION)**

SCALE: 1/4" = 1'-0"



**INSTALLATION NOTES:**

1. AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED, AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED AS WELL.
2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVER SIZED STONES, ROCKS, ORGANIC MATERIAL AND OTHER QUESTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
3. THE STRUCTURE SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
4. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN REPAIRS MADE AS NEEDED.
5. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.
6. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
7. ALL CUT AND FILL SLOPES SHALL BE 1:2 OR FLATTER.

**TEMPORARY SEDIMENT BASIN**

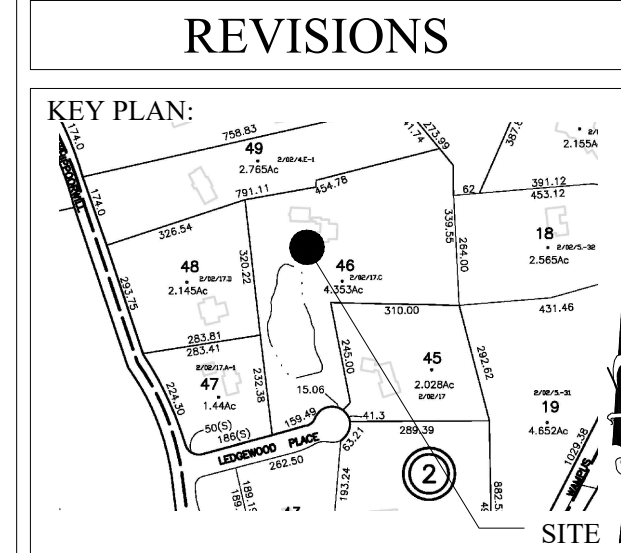
SCALE: N.T.S.

**ROLLANO ENGINEERING, P.C.**  
 411 THEODORE FREMID AVE.  
 SUITE 206 RYE, NY 10580  
 phone: 914.925.3584 fax: 914.925.3434  
 RollanoEngineers@aol.com

**NOTE:**  
 PLANS ARE NOT TO BE SCALED. CONTRACTOR IS TO MAKE NO ASSUMPTIONS WITH REGARD TO THESE DRAWINGS. ANY ADDITIONAL INFORMATION OR DIMENSIONS REQUIRED TO PROPERLY ESTIMATE OR ERECT THIS PROJECT WILL BE SUPPLIED BY THE ENGINEER UPON REQUEST. CONTRACTOR SHALL VERIFY IN THE FIELD ALL DIMENSIONS AND CONDITIONS INDICATED ON THIS DRAWING AND BE RESPONSIBLE FOR SAME. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS SHOULD BE REPORTED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. THESE DRAWINGS SHALL NOT BE ALTERED WITHOUT THE CONSENT AND KNOWLEDGE OF THE ENGINEER. ALL REPRODUCTION RIGHTS RESERVED. REPRODUCTION WITHOUT PERMISSION IS PROHIBITED.

**MUNICIPALITY:**  
 TOWN OF NORTH CASTLE  
**PROPERTY INDEX:**  
 SECTION: 107.02  
 BLOCK: 02  
 LOT: 46  
 ZONE: R-2A

NO.	STORM WATER REVIEW	08/24/21
	ISSUED FOR	DATE



**SCOPE OF WORK:**  
 PROPOSED LOCATION OF NEW ONE-FAMILY DWELLING

**PROJECT LOCATION:**  
 4 LEDGEWOOD PLACE  
 ARMONK, NEW YORK

**SHEET TITLE:**  
 EROSION CONTROL DETAILS

**PROJECT #:** 21-082421  
**SCALE:** AS NOTED  
**DATE:** 08/24/21  
**DRAWN BY:** JOSEPH PATERNO, LEED AP  
**REVIEWED BY:** LOUIS E. ROLLANO, P.E.

STATE OF NEW YORK  
 LOUIS E. ROLLANO  
 LICENSED PROFESSIONAL ENGINEER  
 081105  
 SHEET NO.: S-2.0  
 SHEET: 2 OF 2