

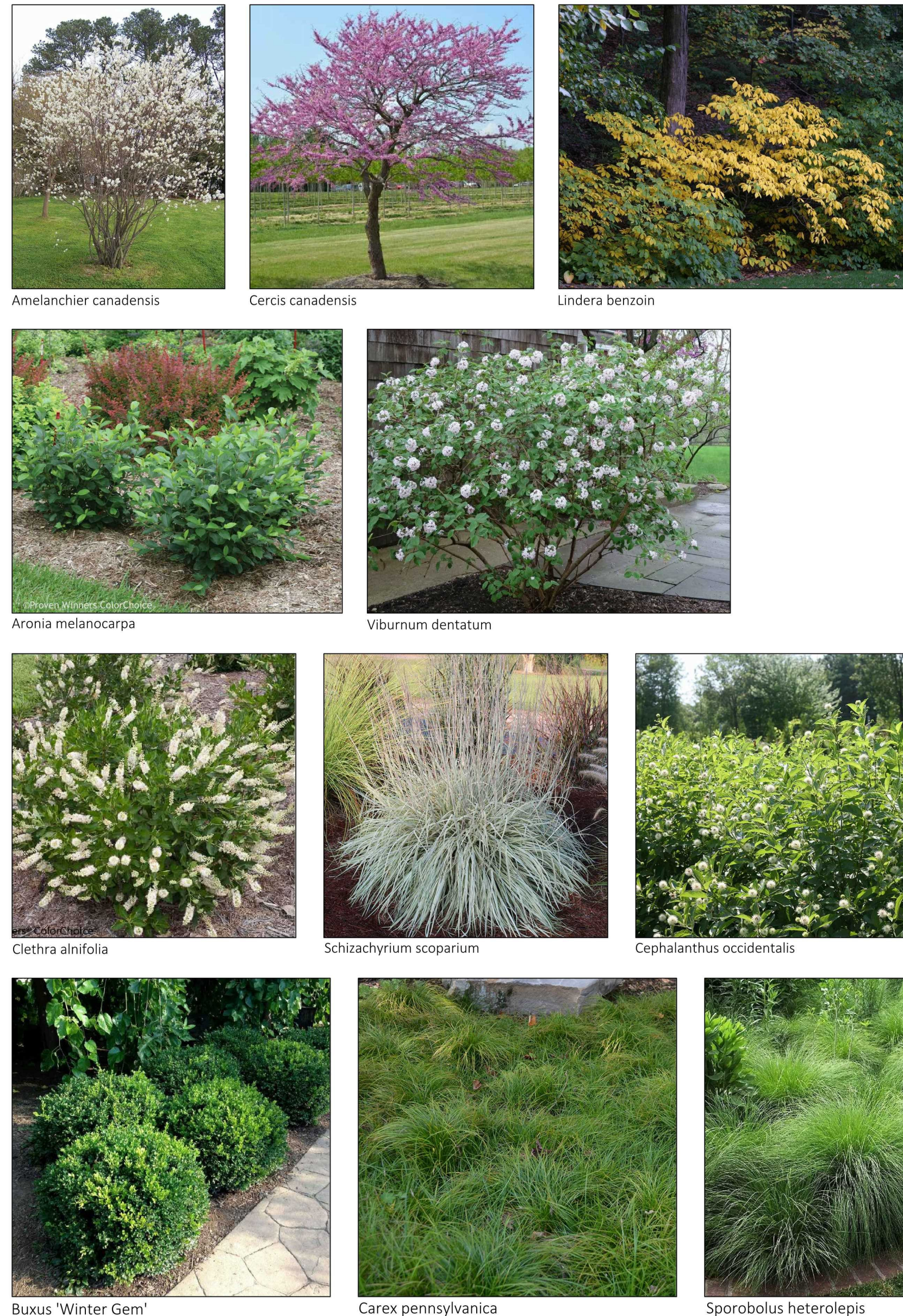
WETLAND BUFFER AREAS OF DISTURBANCE & IMPROVEMENTS

WETLAND TYPE	BUFFER AREA	LIMIT OF DISTURBANCE	IMPROVEMENTS WITHIN BUFFER
POND WETLAND	23,375 SF	TOTAL DISTURBANCE OUTSIDE WETLAND BUFFER: 360 SF	AREA OF PROPOSED PLANTINGS WITHIN WETLAND BUFFER: 9,458 SF
DRAINAGE DITCH WETLAND	2,964 SF	PROPOSED 2.5 STORY HOUSE & POOL DISTURBANCE WITHIN WETLAND BUFFER: 8,791 SF	AREA OF IMPROVEMENTS VIA SEED MIXES, ERNMX-104 FOR FIRST GROWING SEASON THEN SUPPLANT WITH ERNMX-128: 20,000 SF
WATER COURSE WETLAND	6,165 SF	LIMIT OF DISTURBANCE AREA OF 42 TREES REMOVED WITHIN WETLAND BUFFER: 11,881 SF	AREA OF INVASIVE REMOVALS VIA PULL & DIG, RESEED AFFECTED AREAS WITH ERNMX-129 CONSERVATION SHADE MIX: 13,000 SF
	32,504 SF	PPD WALKWAY TO DOCK: 160 SF DISTURBANCE WITHIN BUFFER: 20,832 SF	42,458 SF (41,664 REQUIRED FOR 2:1)

WETLAND BUFFER IMPROVEMENT PLANT SCHEDULE

QTY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
TREES				
23	Amelanchier canadensis	Serviceberry	8-10'	Multi-Stem
19	Cercis canadensis	Eastern Redbud	8-10'	
SHRUBS				
3	Aronia melanocarpa	Black Chokeberry	3 Gallon	
30	Buxus 'Winter Gem'	Winter Gem Boxwood	24-30"	
3	Cephalanthus occidentalis	Button Bush	3 Gallon	
65	Clethra alnifolia	Sweet Pepperbush	5 Gallon	
3	Linderla benzoin	Spice Bush	3 Gallon	
3	Viburnum dentatum	Arrowwood Viburnum	3 Gallon	
GRASSES				
12	Sporobolus heterolepis	Prarie Dropseed	2 Gallon	
15	Carex pennsylvanica	Pennsylvania Sedge	2 Gallon	
42	Schizachyrium scoparium	Little Bluestem	2 Gallon	
SEED MIX				
60 LBS	20,000 SF of ERNMX-104 by Ernst Seeds	Quick Conservation Control Mix	3 Lbs per 1,000SF	
10 LBS	20,000 SF of ERNMX-128 by Ernst Seeds	Seasonally Flooded Wildlife Food Mix	5 Lbs per 1,000SF	
29 LBS	13,000 SF of ERNMX-129 by Ernst Seeds	Conservation Shade Mix	3 Lbs per 1,000SF	

PLANT IMAGES



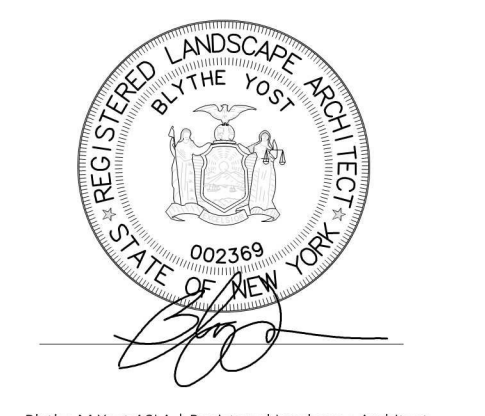
YOST DESIGN
LANDSCAPE ARCHITECTURE
178 elizabeth st
pearl river, ny 10965
p 845.365.4595 | f 914.361.4473
yostdesign.com

SURVEYOR:

4 LEDGEWOOD PLACE
ARMONK NY, 10504

DATE: APRIL 23, 2020
DRAWN BY: AVM
JOB NO: 042420
SCALE: 1"=30'
FILENAME: 2023_0130 4 LedgeWood

REVISIONS:
8/26/2020
9/30/2020
11/11/2020
9/13/2021
10/20/2021
6/22/2022
10/20/2022
1/30/2023
4/10/2023

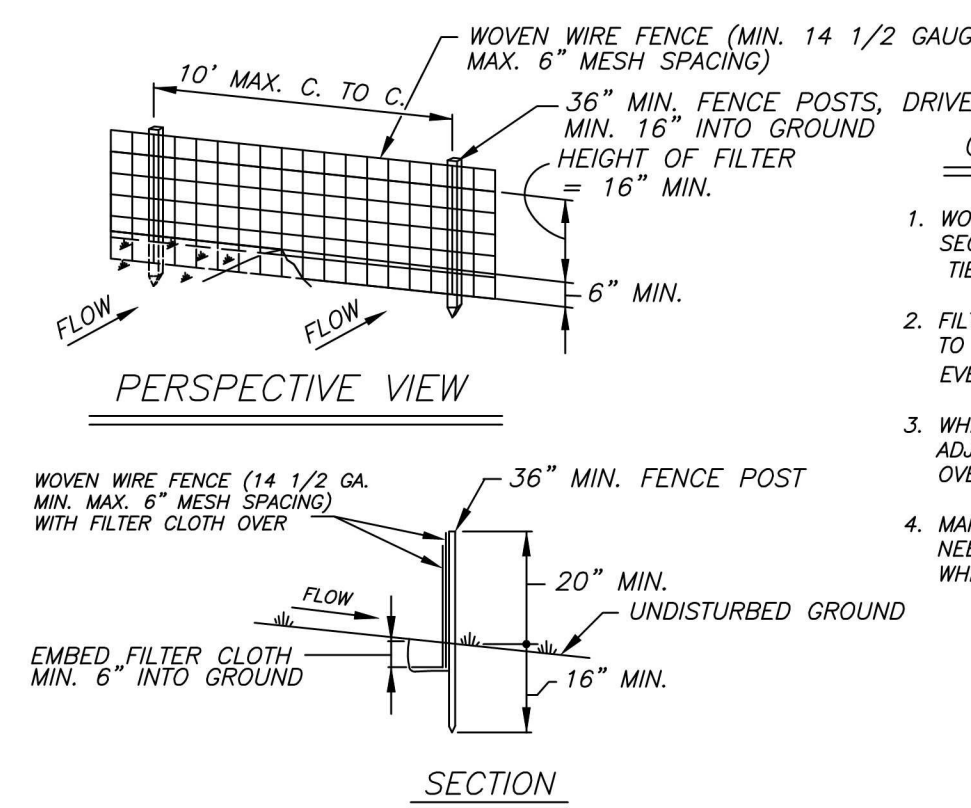


MITIGATION/ PLANTING PLAN

SHEET NO.

L-701
SHEET: 1 of 2

TO SCALE WHEN PLOTTED ON 24x36
PROGRESS SET NOT FOR CONSTRUCTION



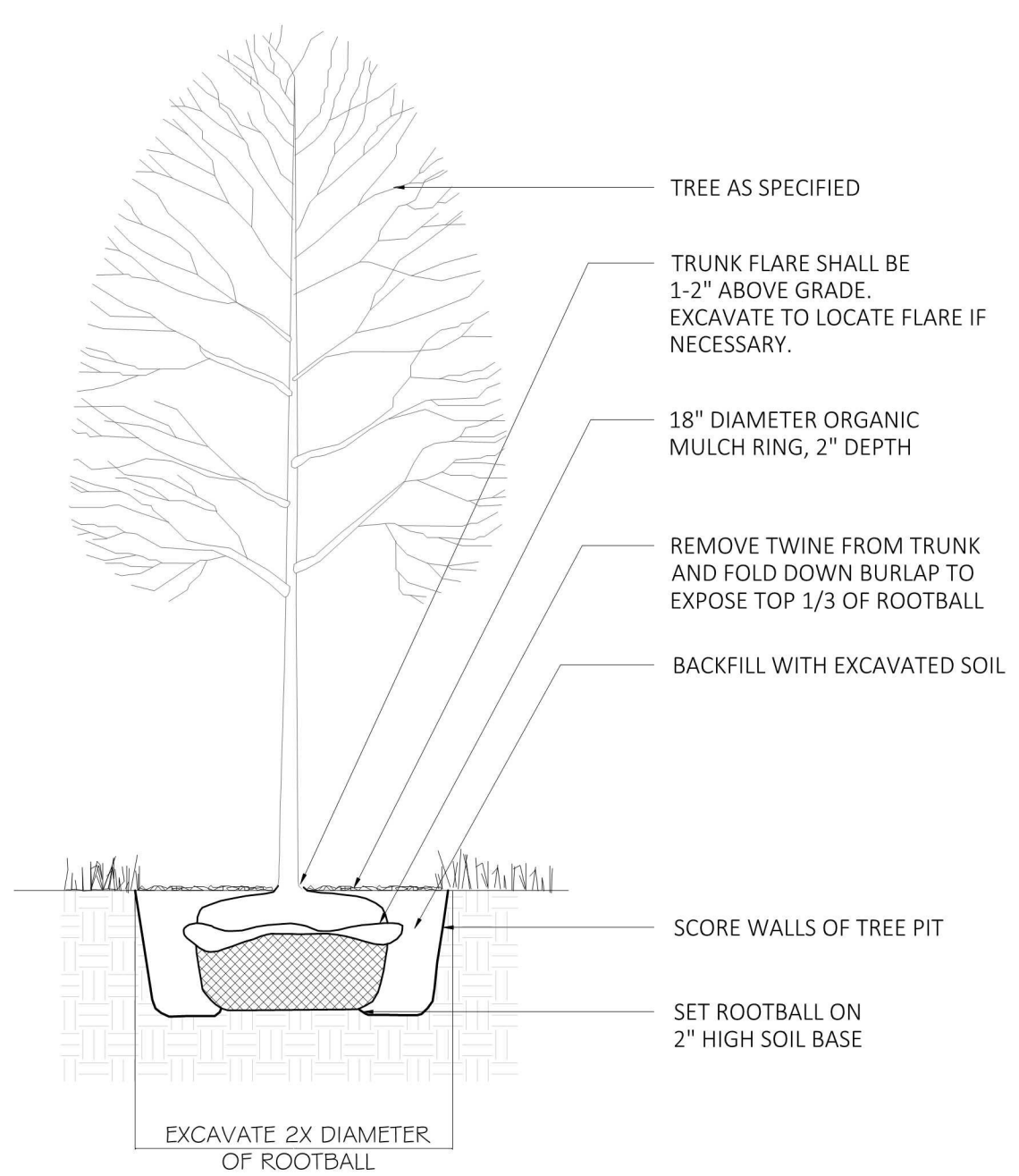
CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- 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.

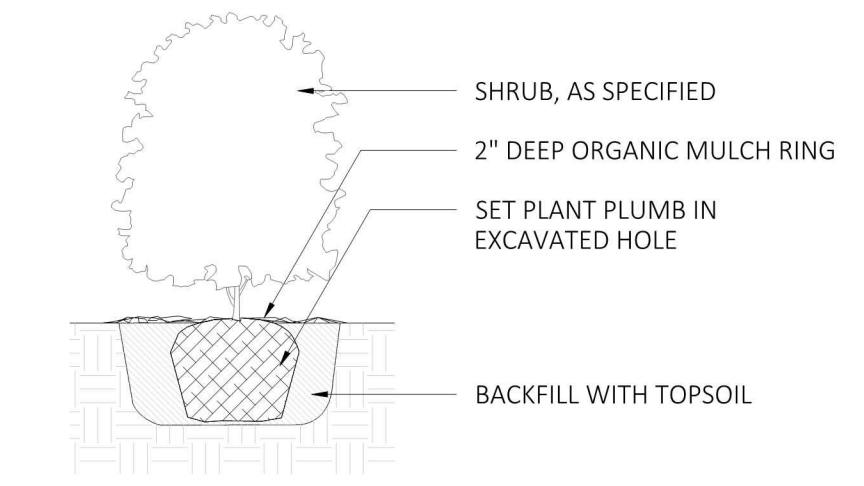
WIRE REINFORCED SILT FENCE

NTS

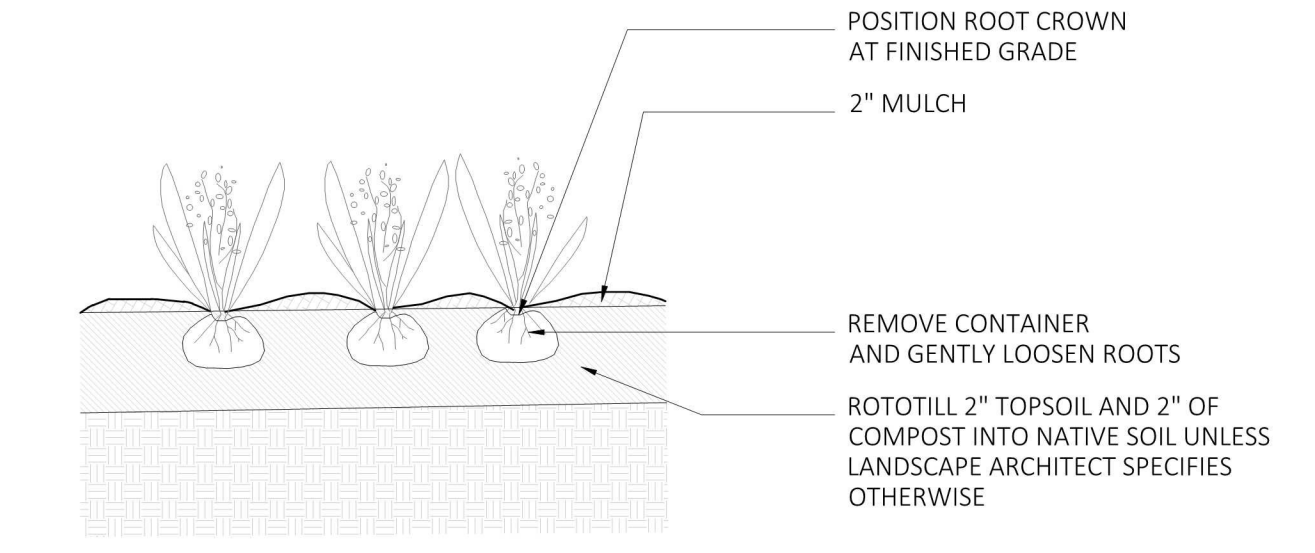


2 DECIDUOUS TREE PLANTING
SCALE: 1/4"=1'

- 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.

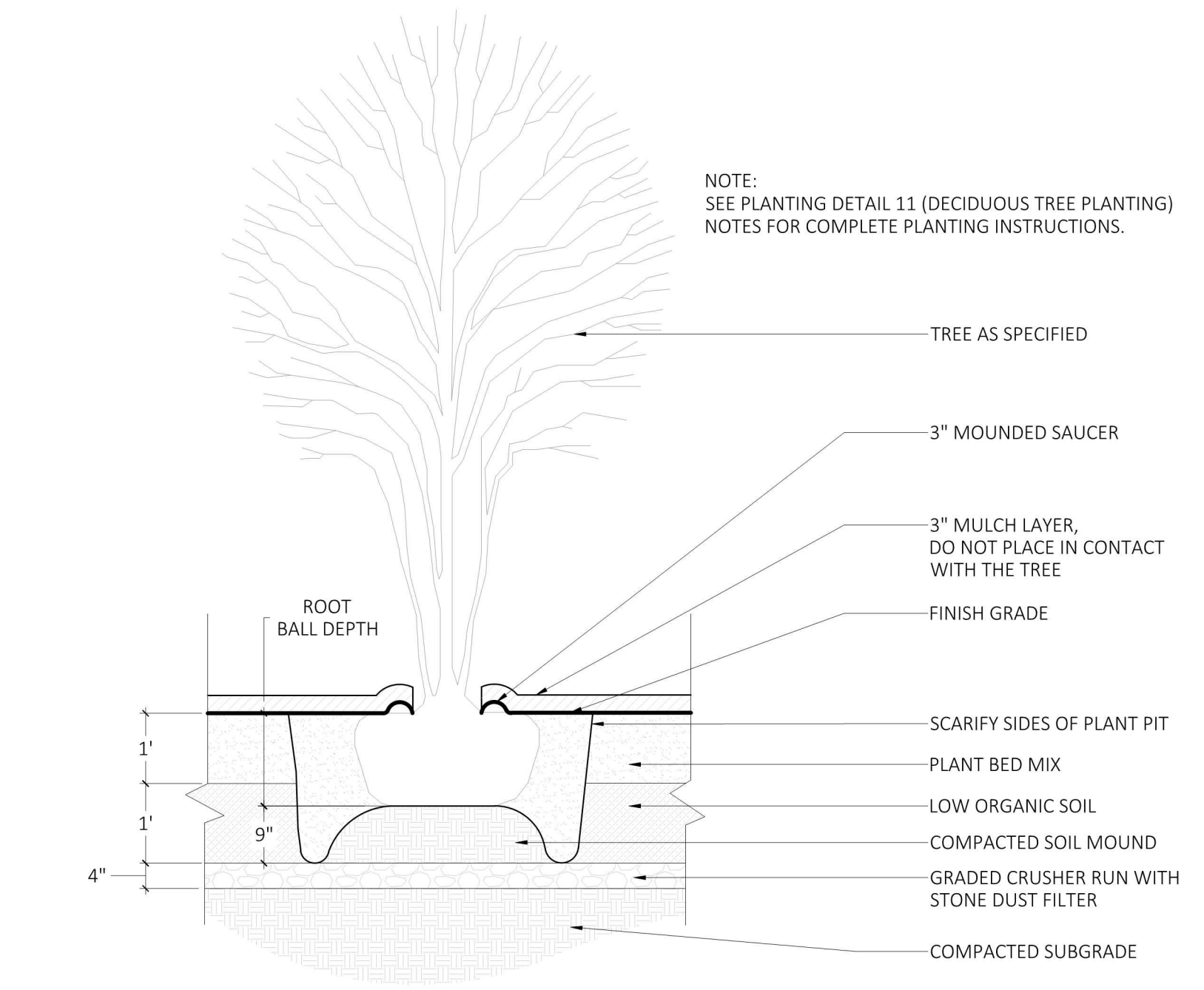


3 SHRUB PLANTING
SCALE: 1/2"=1'

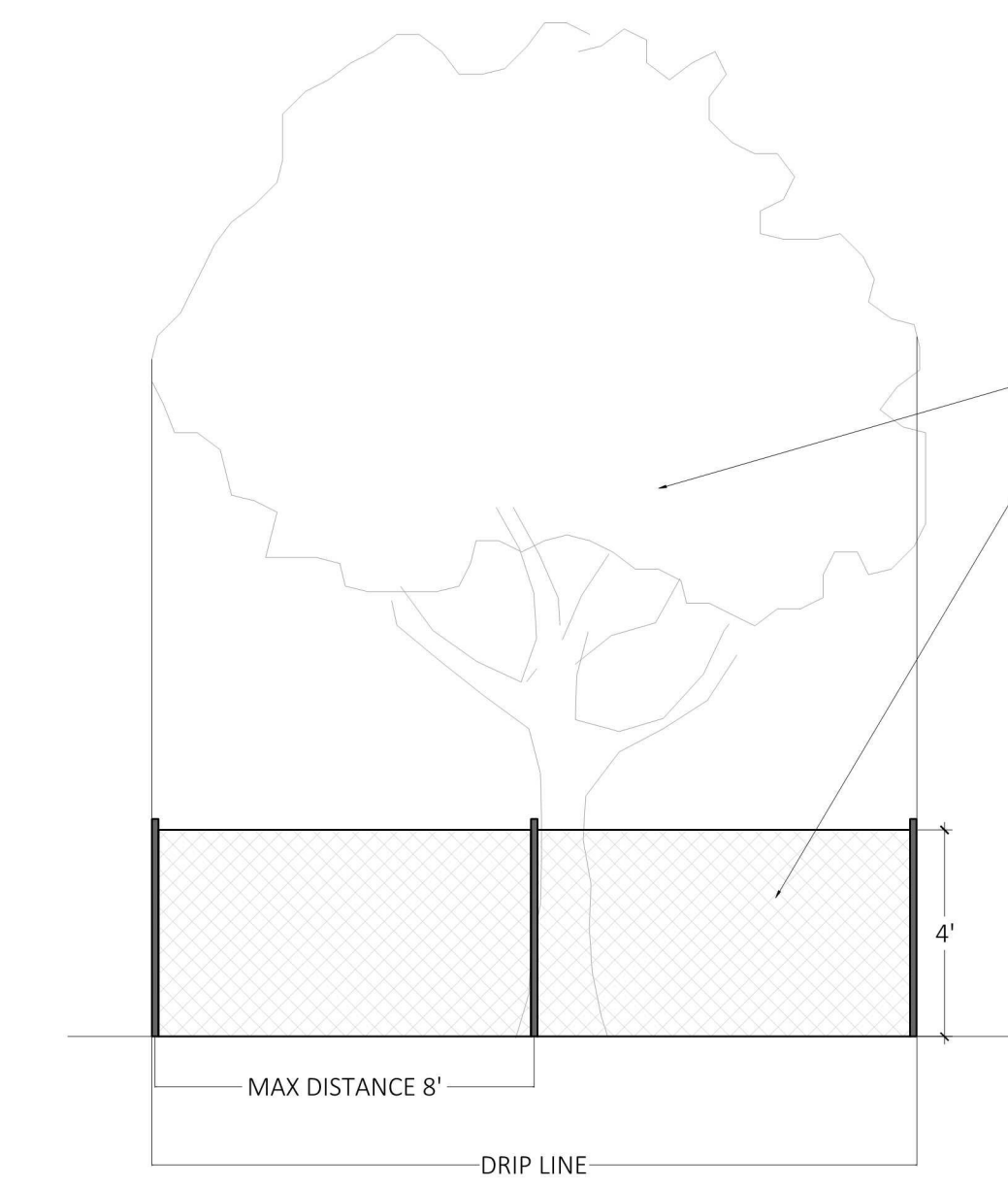


4 GROUNDCOVER PLANTING
SCALE: 1/2"=1'

1 SILT FENCE - EROSION CONTROL
SCALE: NOT TO SCALE



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



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

- EXISTING TREE TO BE PROTECTED
- ORANGE PLASTIC BARRIER FENCE WITH STEEL POSTS INSTALLED AT 8' O.C.
- 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.



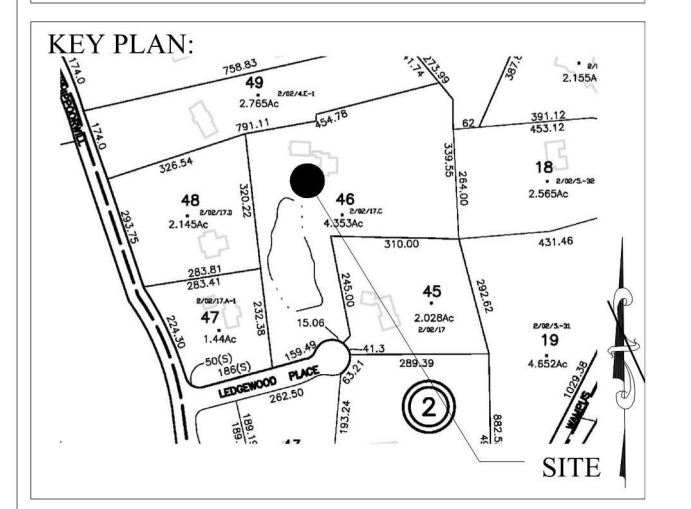
ROLLANO ENGINEERING, P.C.
 411 THEODORE FREMID AVE.
 SUITE 206 RYE, NY 10580
 phone: 914.925.3584 fax: 914.925.3434
 RollanoEngineers@aol.com

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.	ISSUED FOR	DATE
2	STORM WATER REVIEW	05/13/22
1	STORM WATER REVIEW	08/24/21

REVISIONS



SCOPE OF WORK:

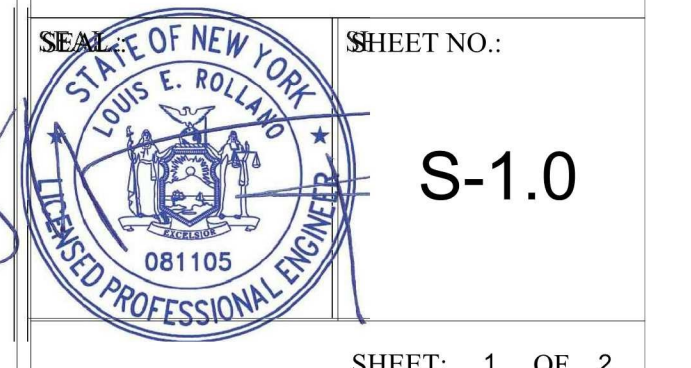
PROPOSED LOCATION OF NEW ONE-FAMILY DWELLING

PROJECT LOCATION:
 4 LEDGEWOOD PLACE
 ARMONK, NEW YORK

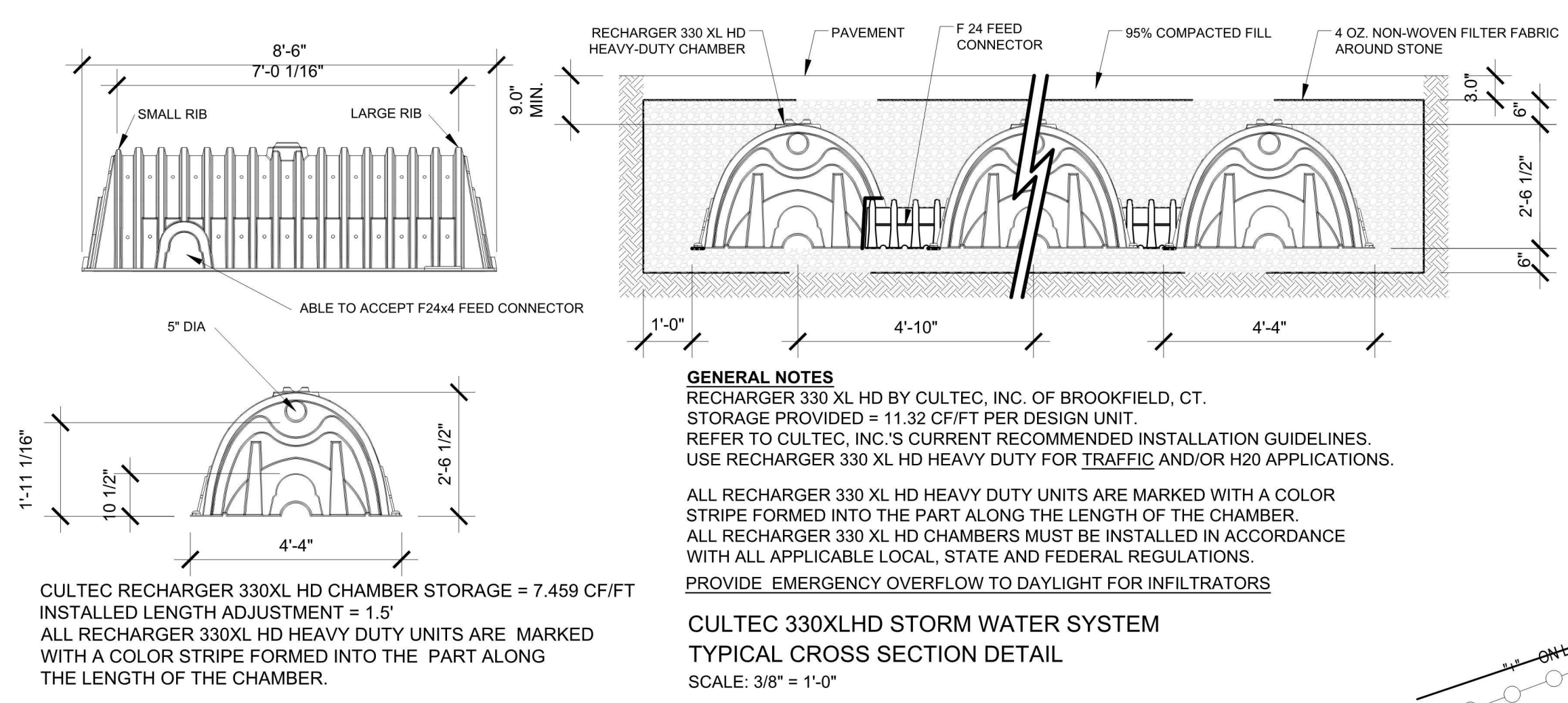
SHEET TITLE:

SITE PLAN STORM WATER CALCULATIONS, AND LEGEND

PROJECT #: 21-082421
SCALE: AS NOTED
DATE: 05/13/22
DRAWN BY: JOSEPH PATERNO, LEED AP
REVIEWED BY: LOUIS E. ROLLANO, P.E.



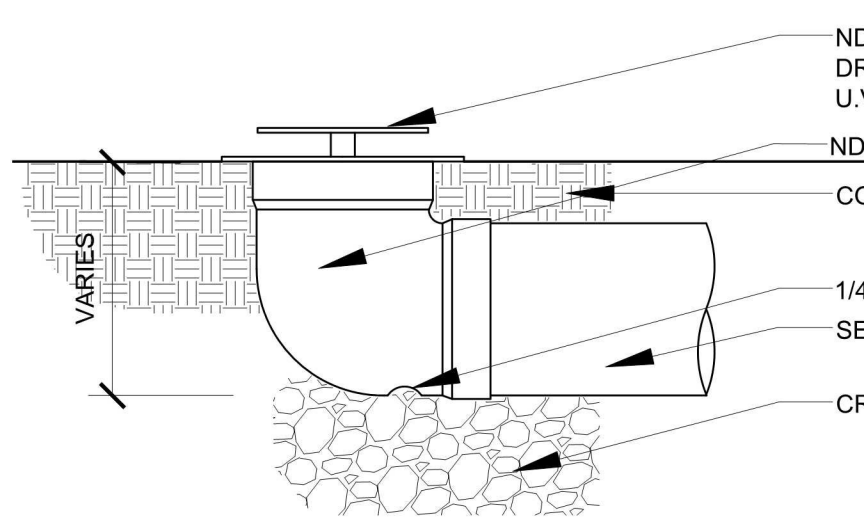
S-1.0



STORM WATER DRAINAGE CALCULATIONS

Information to comply with the following: Stormwater Management Westchester County, New York Best Management Practices Manual Series	IMPERVIOUS LOT COVERAGE: PROPOSED BUILDING ROOF: 3329 S.F. PROPOSED REAR PATIO: 442 S.F.
<ul style="list-style-type: none"> Address: 4 LEDGEWOOD ARMONK, N.Y. Deep hole test verified November 27, 2019 Test holes was pres soaked on November 26, 2019 Percolation test was performed on November 26, 2019 Test holes @ 12" @ 24" deep Weather: clear (no rain) Temperature: 70° Ground condition: Dry 	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. Perc Test #1 start time: 11:53 end time: 11:59 total drop of 1" in: 6 min.	Given: 1. 12" hole 2. Drop AVG. IN 8 MIN = 3" 3. Perc Rate: 8/3= 2.6 mpi 4. Davg: 8 min. MINUTES PER INCH: Divide the time interval by the drop in water level to determine the percolation rate in minutes per inch (MPI).
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.
STORAGE PROVIDED WITHIN ENTIRE CULTEC STORMWATER SYSTEM: 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. TOTAL STORAGE WITHIN CULTEC STORMWATER SYSTEM: 145 C.F.	

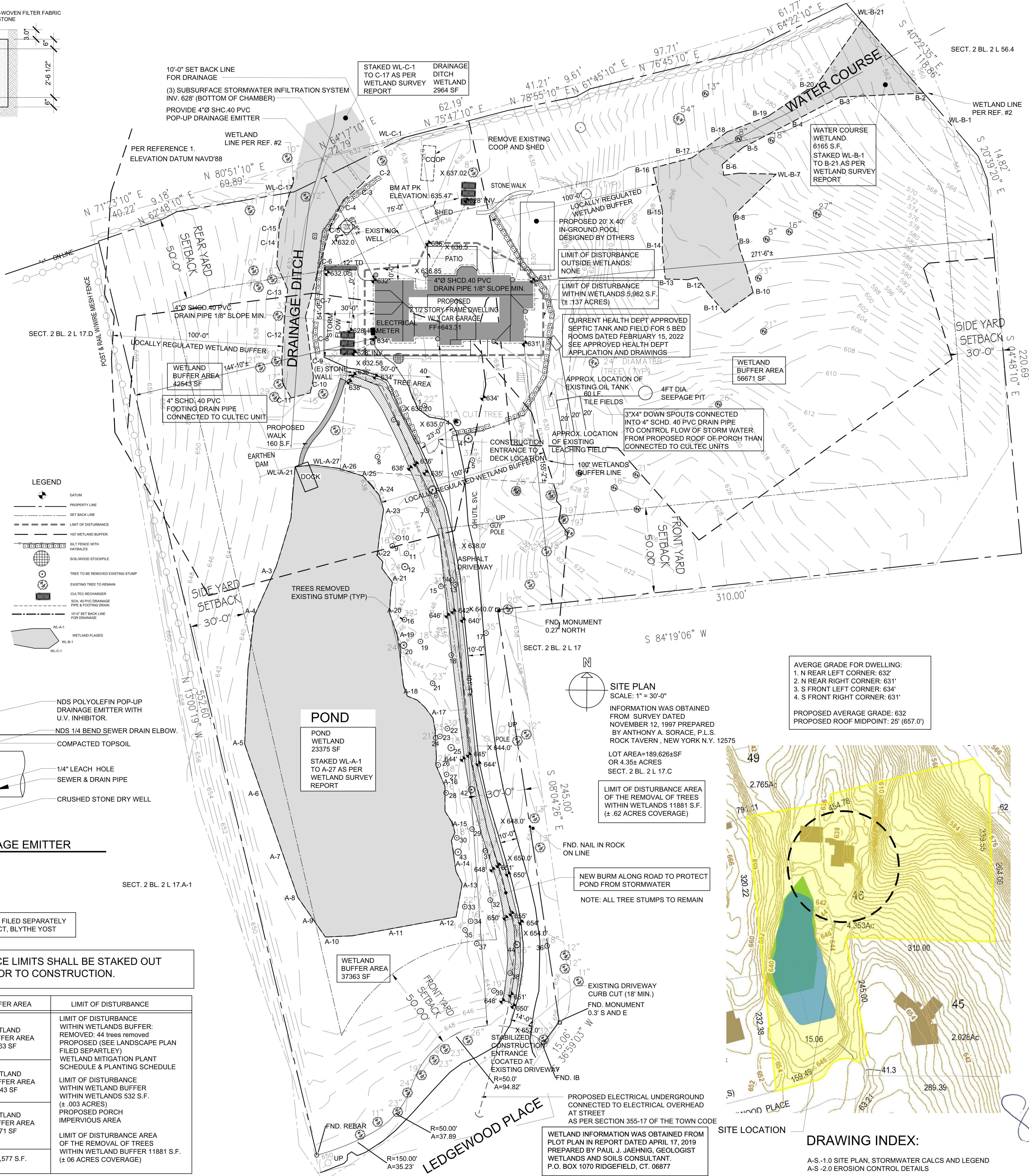
- Select Design Storm:**
Design Storm system: 25 year storm, 24 hour
NRCC Extreme Precipitation in NY: 6.46 inches
 - Select type of subsurface disposal system:**
Infiltration System:
Recharger 330 xl hd by cultec, inc. of brookfield, ct. storage provided = 145 cft/ per design unit.
 - Determine soil percolation rate:**
 - Area of percolation (Ap):
(1) Area of cylinder (Ac)
 $Ac = \pi D (hole \varnothing)$
 $Ac = 3.14 (.67)(1')$
 $Ac = 2.09 \text{ ft}^2$
 - Bottom Area (Ab)
 $Ab = \pi R^2$
 $Ab = (3.14)(0.5)^2$
 $Ab = 0.785 \text{ ft}^2$
 Therefore:
 $Perc \text{ Area } (Ap) = Ab + Ac$
 $Ap = 2.09 + 0.785$
 $Ap = 2.875 \text{ ft}^2$
 - Volume of Percolation (Vp):
 $Vp = Ab \times Davg$
 $Vp = 0.785 \times (1712 \text{ in/ft})$
 $Vp = 0.785 \times 0.08 \text{ ft}^3$
 $Vp = 0.065 \text{ ft}^3$
 - Soil Perc Rate (Sr)
 $Sr = Vp / Ap / \text{Time}$
 $Sr = 0.065 / 2.875 / 6 \text{ min.}$
 $Sr = 0.0037 \text{ ft}^3 / \text{ft}^2 / \text{min.}$
 $Sr = 0.0037 \times 60 \text{ min/hr} \times 24 \text{ hr/day}$
 $Sr = 5.43 \text{ ft}^3/\text{ft}^2/\text{day}$
 $Sr = \text{Reduce by } 25\% (\text{clogging factor})$
 $Sr = 5.43 - 25\%$
 $Sr = 4.07 \text{ ft}^3/\text{ft}^2/\text{day}$
- Calc Req Storage Volume:**
25 year, 24hr Rainfall = 6.46"
Proposed Cn = 98
Excess Runoff from 25 yr storm
Proposed Cn= 98; Er= 6.46"
Existing (law) Cn=60; Er=2.42"
 $Aer = 6.46 - 2.42 = 4.04'$
 $Aer = 4.04'$
 $Vreq(\text{storage}) = Aer \times Area$
 $Vreq = 4.04' \times 1712' \times 3771 \text{ s.f.}$
 $Vreq(\text{storage}) = 1270 \text{ ft}^3$
- 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):
 $Vc(\text{from cultec info sheet}) = 145 \text{ ft}^3/\text{unit}$
 $Perc \text{ Volume per Chamber } (Pv)$
 $Vp = (Vc) \times (Sr \times 24)$
 $Vp = 145 \text{ ft}^3 \times 4.07 \text{ ft}^3/\text{ft}^2/\text{day}$
 $Vp = 590.15 \text{ ft}^3$
- 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



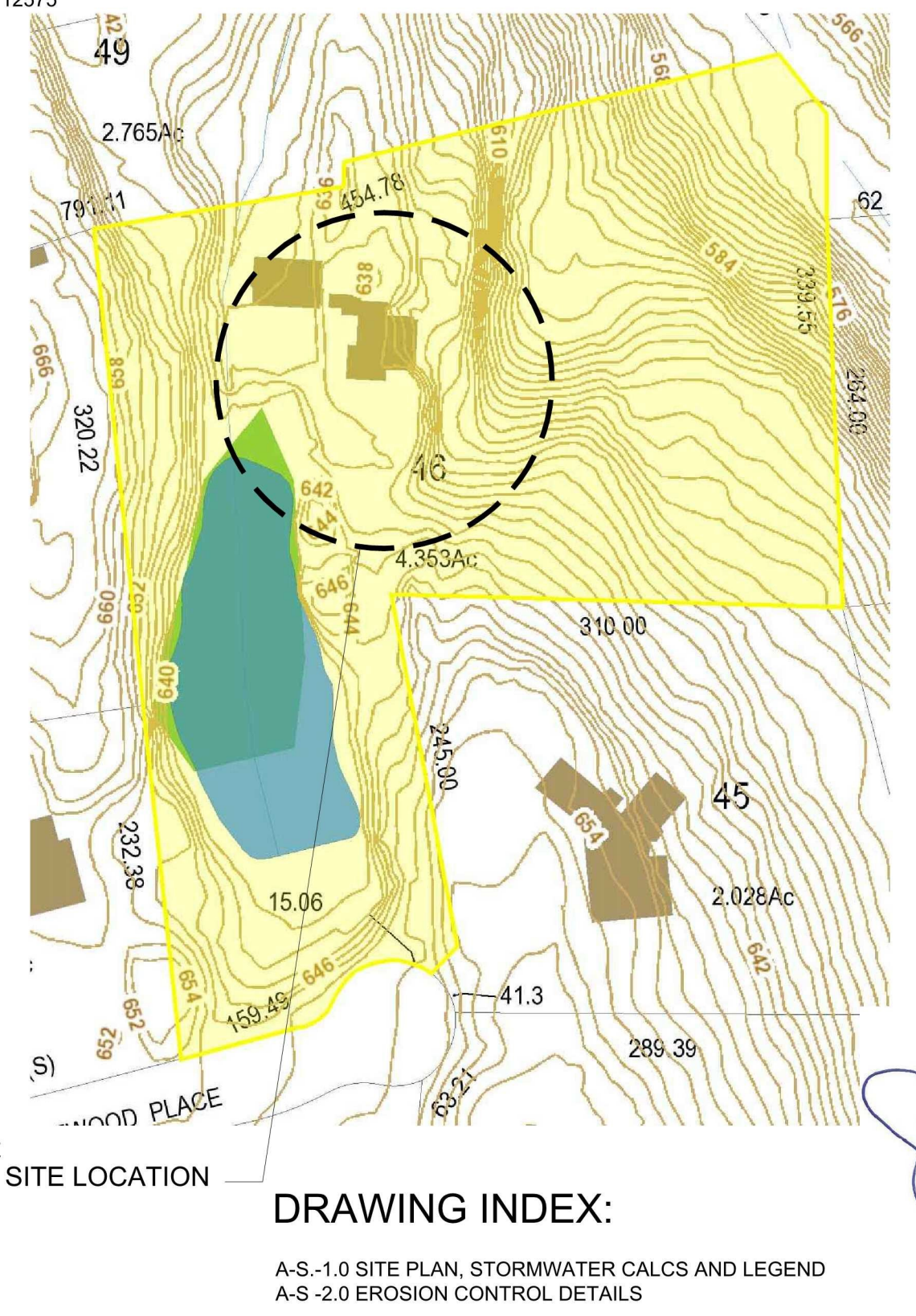
TYPICAL POP-UP DRAINAGE EMITTER
 SCALE: 3" = 1'-0"

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

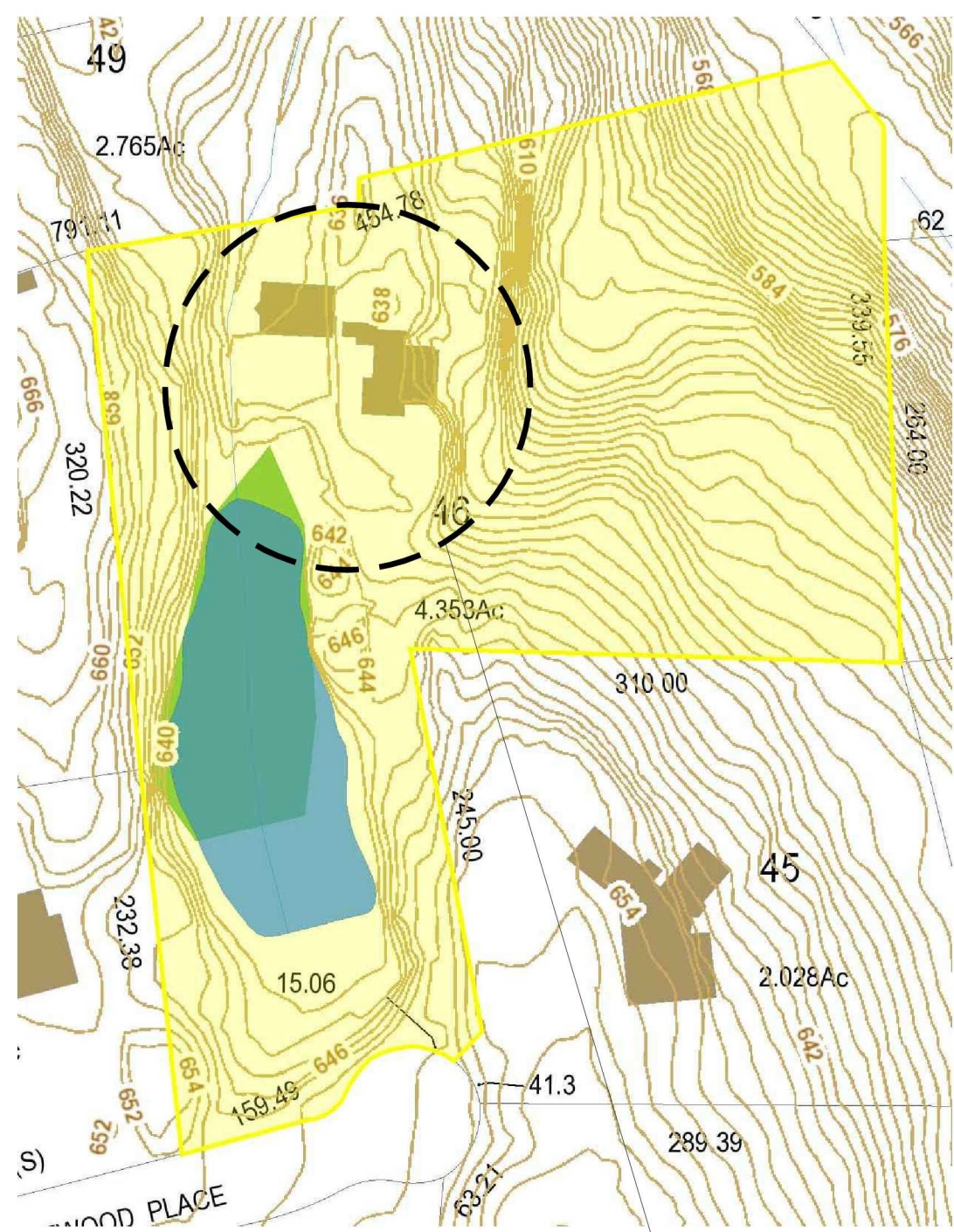
WETLAND	BUFFER AREA	LIMIT OF DISTURBANCE
POND WETLAND 23375 SF	WETLAND BUFFER AREA 37363 SF	LIMIT OF DISTURBANCE WITHIN WETLANDS BUFFER: REMOVED: 44 trees removed PROPOSED (SEE LANDSCAPE PLAN FILED SEPARTLEY) WETLAND MITIGATION PLANT SCHEDULE & PLANTING SCHEDULE
DRAINAGE DITCH WETLAND 2964 SF	WETLAND 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 LIMIT OF DISTURBANCE AREA OF THE REMOVAL OF TREES WITHIN WETLAND BUFFER 11881 S.F. (+ 06 ACRES COVERAGE)
32,504 S.F.	136,577 S.F.	



AVERAGE GRADE FOR DWELLING:
 1. N REAR LEFT CORNER: 632'
 2. N REAR RIGHT CORNER: 631'
 3. S FRONT LEFT CORNER: 634'
 4. S FRONT RIGHT CORNER: 631'
 PROPOSED AVERAGE GRADE: 632
 PROPOSED ROOF MIDPOINT: 25' (657.0')



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



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:

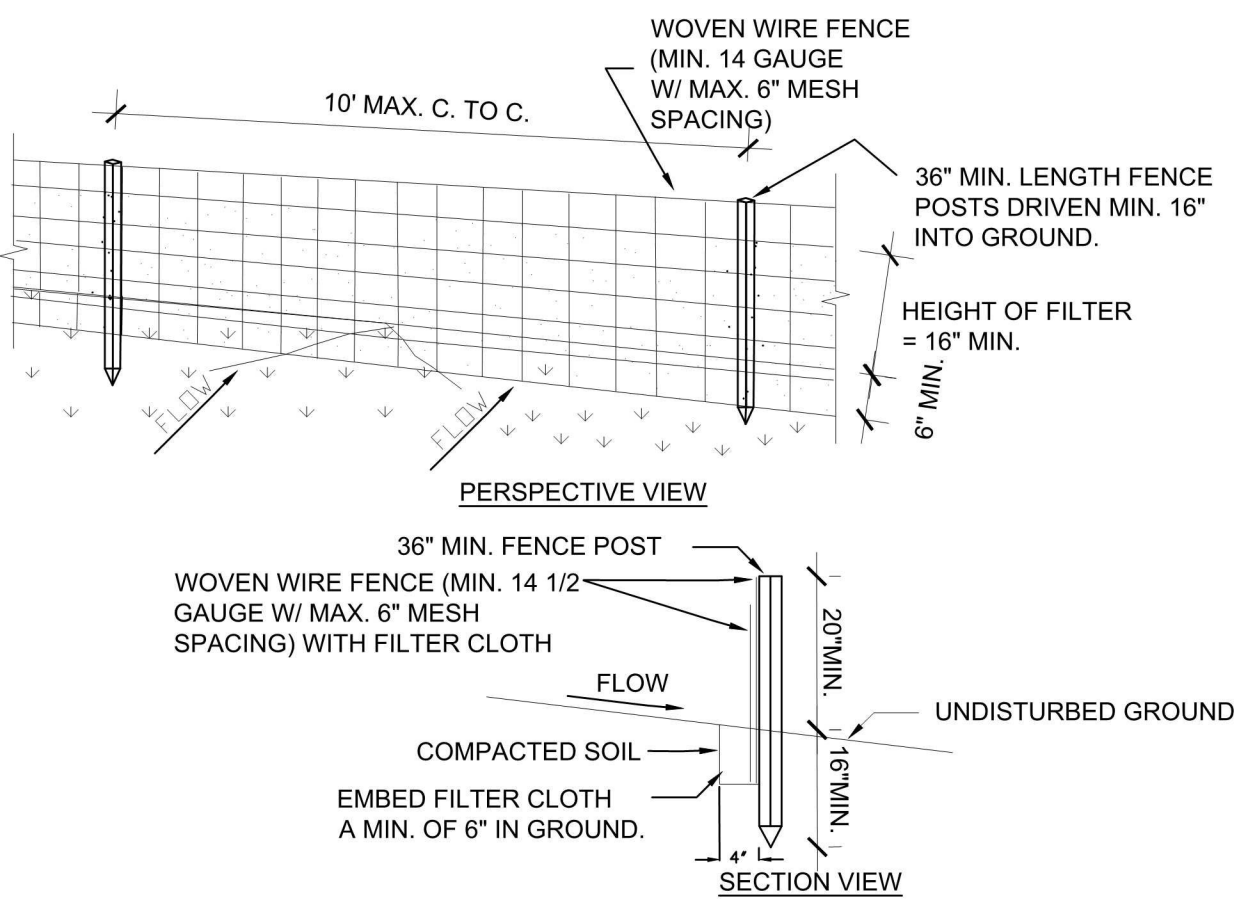
- CONDITIONS:**
1. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THE TOWN OF NORTH CASTLE BUILDING CODE, & THE NEW YORK STATE UFPBC AND ALL OTHER APPLICABLE ORDINANCES, REGULATIONS, AND STANDARDS REQUIRED.
 2. ALL MANUFACTURED ITEMS SHALL BE INSTALLED OR APPLIED AS DIRECTED BY THE MANUFACTURERS RECOMMENDATIONS.
 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.



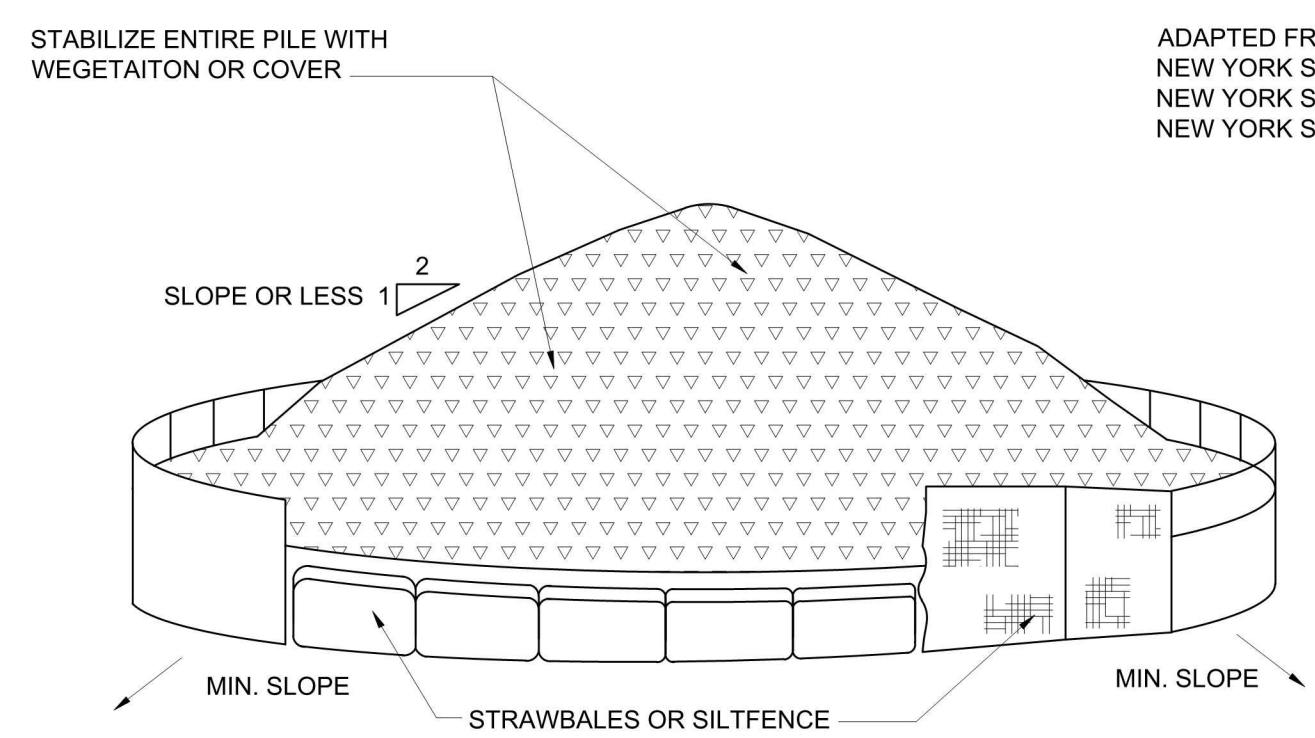
SILT FENCE DETAIL

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



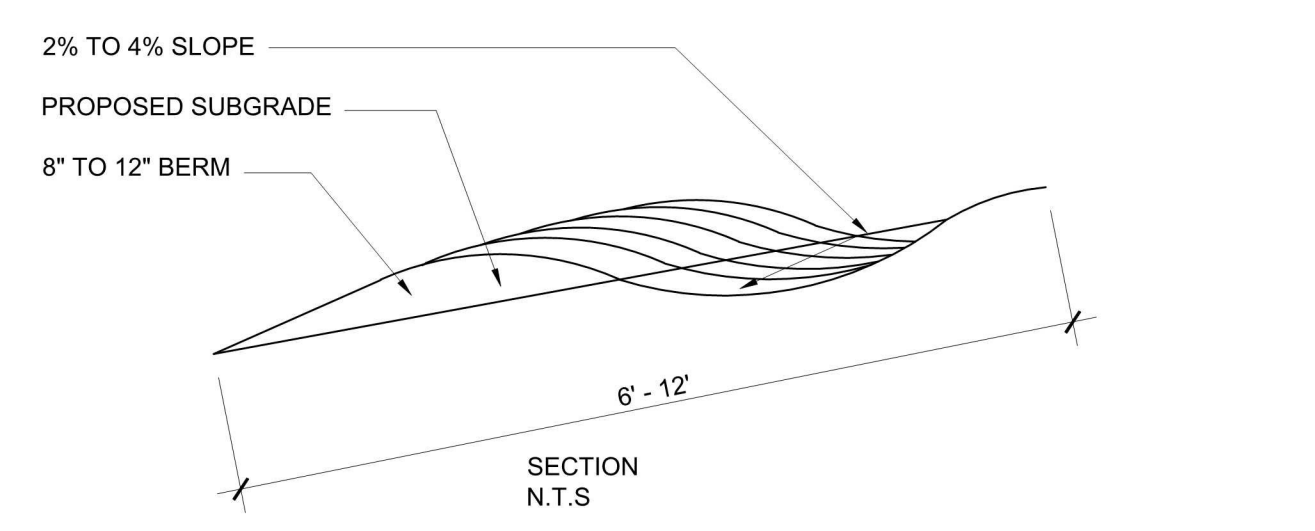
HAYBALE BARRIER

SCALE: N.T.S.

- 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.

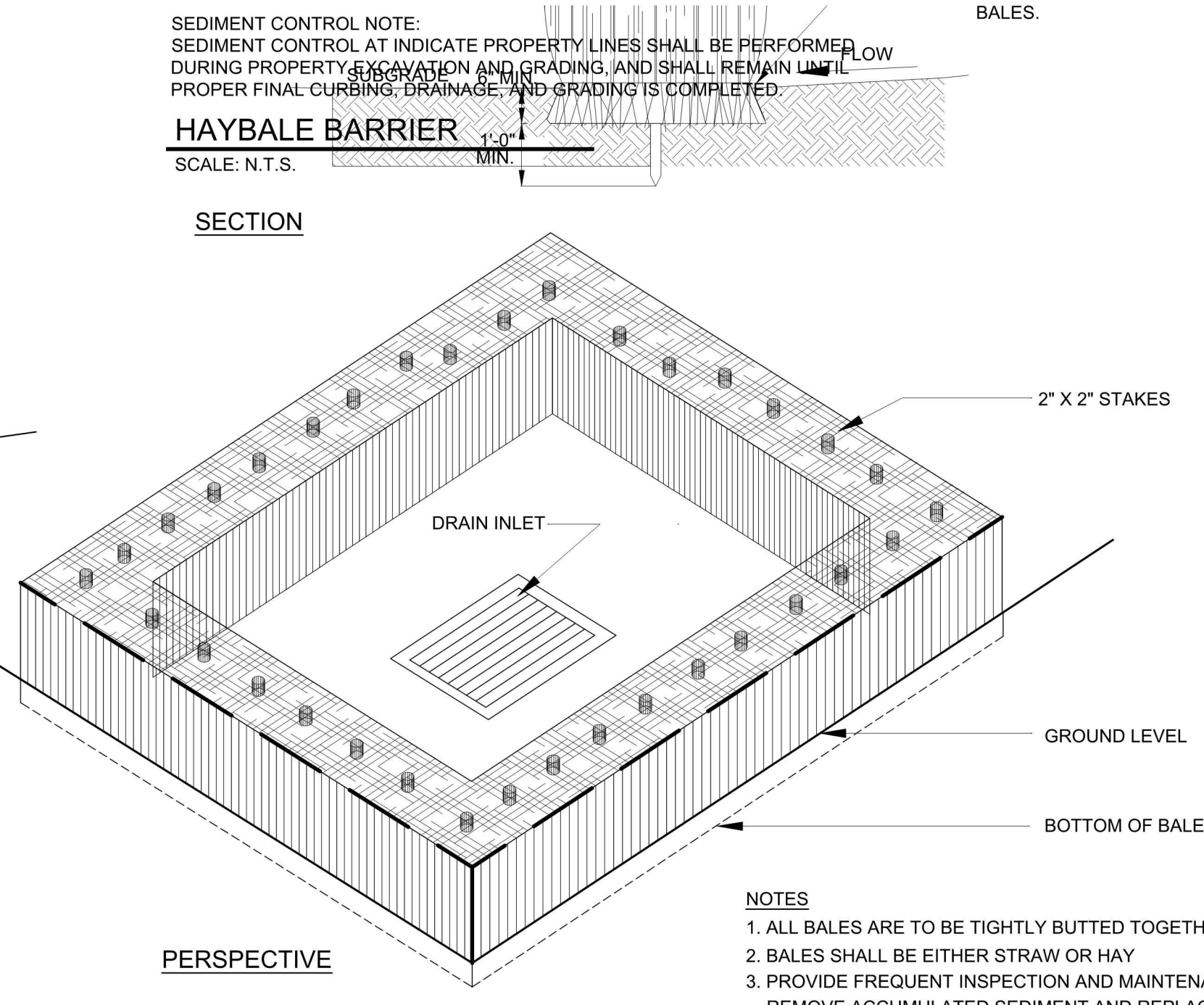
SOIL STOCKPILE DETAIL

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



DRIVEWAY BERM

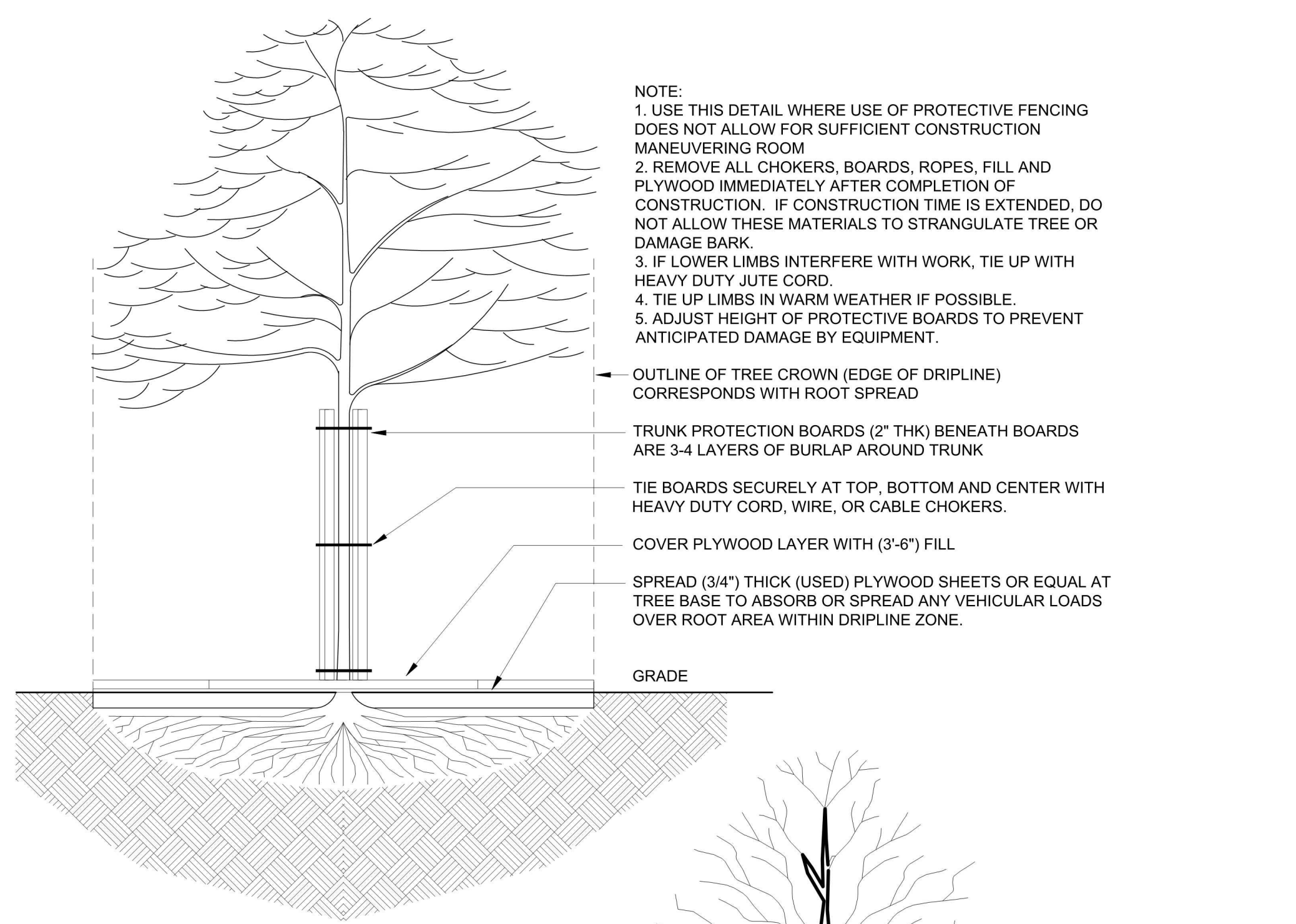
SCALE: N.T.S.



INLET PROTECTION

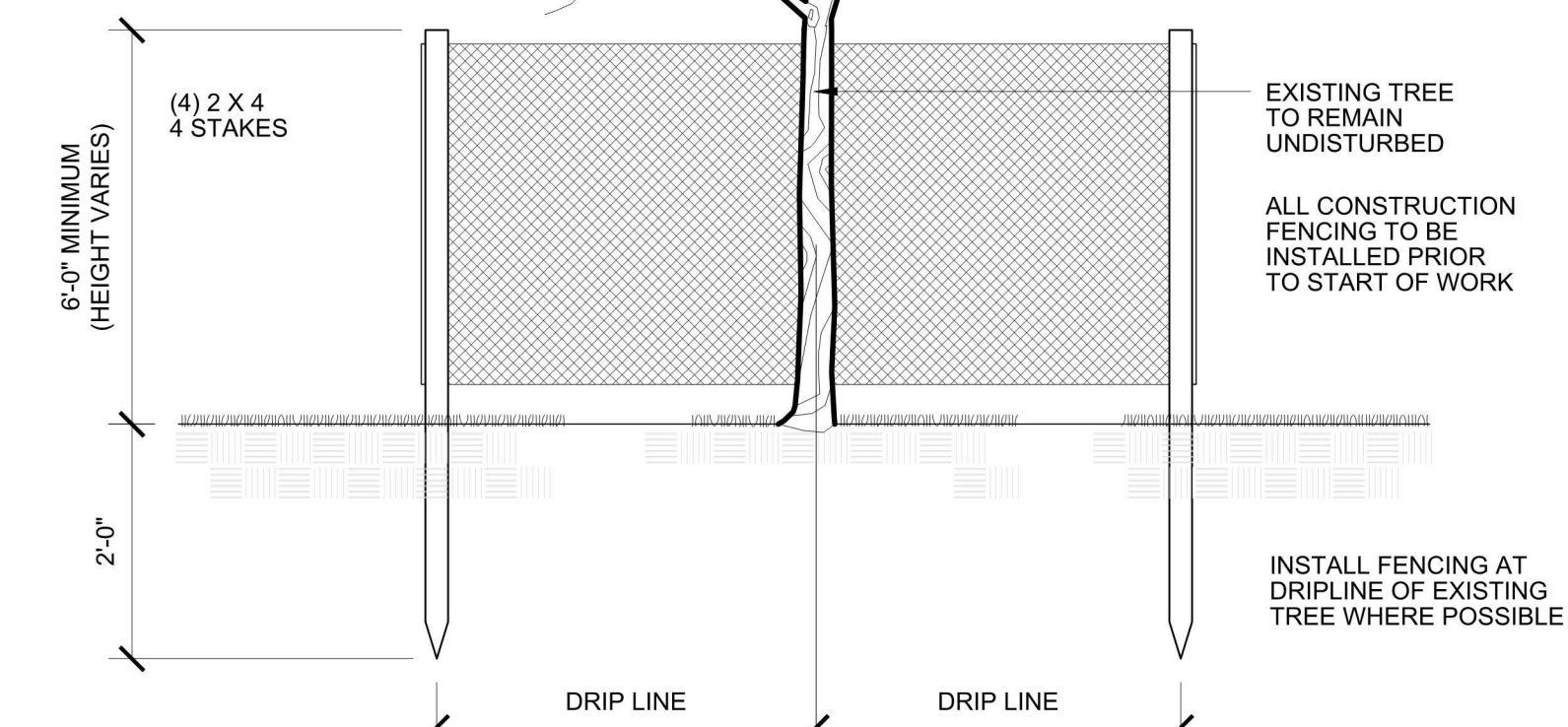
SCALE: N.T.S.

- 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.



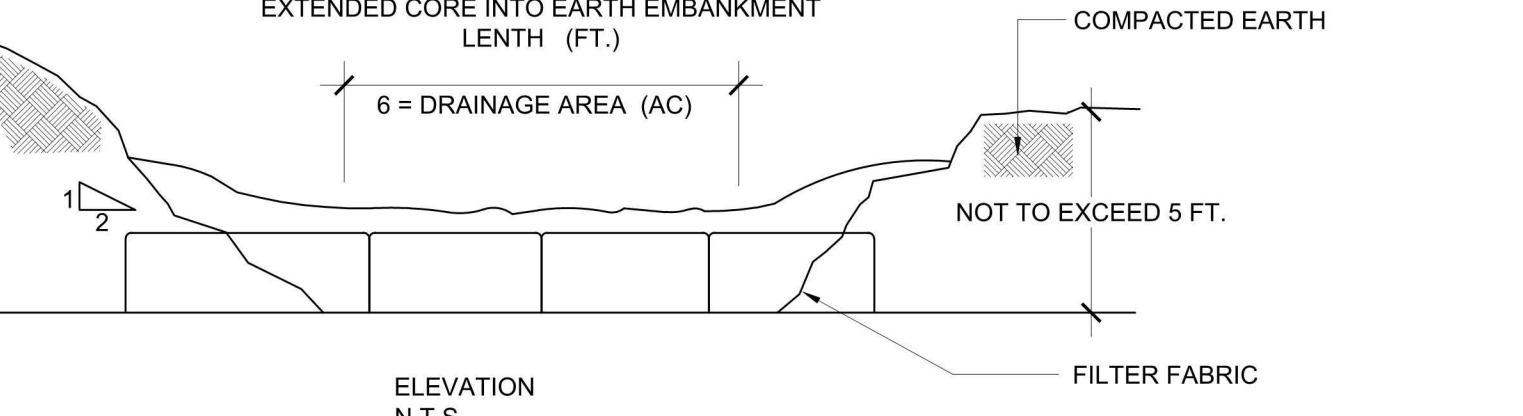
TYP TREE PROTECTION (DURING CONSTRUCTION)

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.

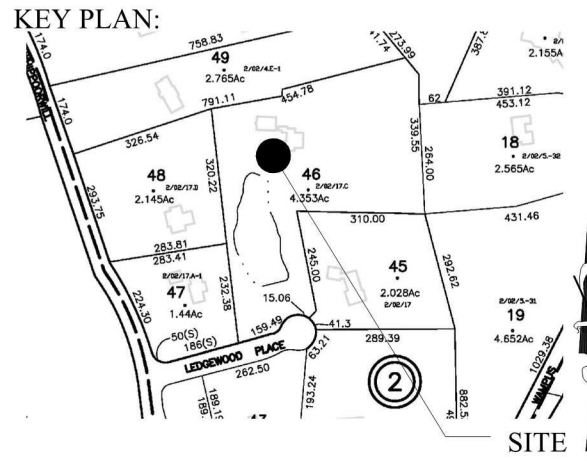
ROLLANO ENGINEERING, P.C.
 411 THEODORE FREMID AVE.
 SUITE 206 RYE, NY 10580
 phone: 914.925.3584 fax: 914.925.3434
 RollanoEngineers@aol.com

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

NO.	ISSUED FOR	DATE
2	STORM WATER REVIEW	05/13/22
1	STORM WATER REVIEW	08/24/21

REVISIONS



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: 05/13/22
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