

TABLE OF LAND USE/BULK REGULATIONS				
ZONING DATA:	SECTION: 154.60	BLOCK: 1	LOT: 21	ZONE DISTRICT: R-10
REQUIRED OR ALLOWED	PROPOSED OR EXISTING	REMARKS		
LOT AREA	10,000 SF MIN. 22,996.6 SF	INFORMATION FROM PROJECT SURVEY		
FRONTAGE	100' MIN. 100 FEET	INFORMATION FROM PROJECT SURVEY		
LOT WIDTH	100' MIN. 100 FEET	INFORMATION FROM PROJECT SURVEY		
FRONT YARD SETBACK	25'	MEASURED ON PLAN		
SIDE YARD	LESSER SIDE 10' MIN. 25' COMBINED	MEASURED ON PLAN		
REAR YARD SETBACK	25' MIN. 116' (TO POOL DECK)	MEASURED ON PLAN		
BUILDING HEIGHT	35' MAX. 2-1/2 STORIES	< 25 FEET		
BUILDING COVERAGE	35% MAX.	10.5%		

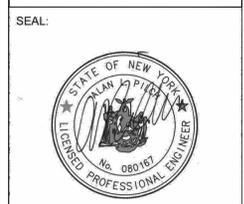
LEGEND

-  PROPERTY LINE
-  SETBACK LINE
-  EXISTING TREE
-  EXISTING TREE TO BE REMOVED
-  WETLAND LINE
-  WETLAND BUFFER LINE

CONSULTANTS:
PROJECT ARCHITECT:
Jaclyn Tyler, AIA
Nexus Creative Design
Architecture Planning & Design
100 White Plains Road
Tarrytown, NY, 10591
Tel: (914) 740 - 4774 | (914) 204 - 6404

ISSUED:
Rev. as per comment from Village and consultants 12/29/2021

OWNERSHIP AND USE OF DOCUMENTS
UNAUTHORIZED ALTERATIONS AND ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209(2) OF THE NEW YORK STATE EDUCATION LAW.
No part of these drawings shall be copied, disclosed to others or used in connection with any work or project other than for which they have been prepared without the express written consent of the licensed professional who prepared the document.

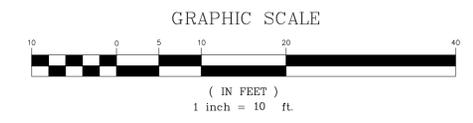
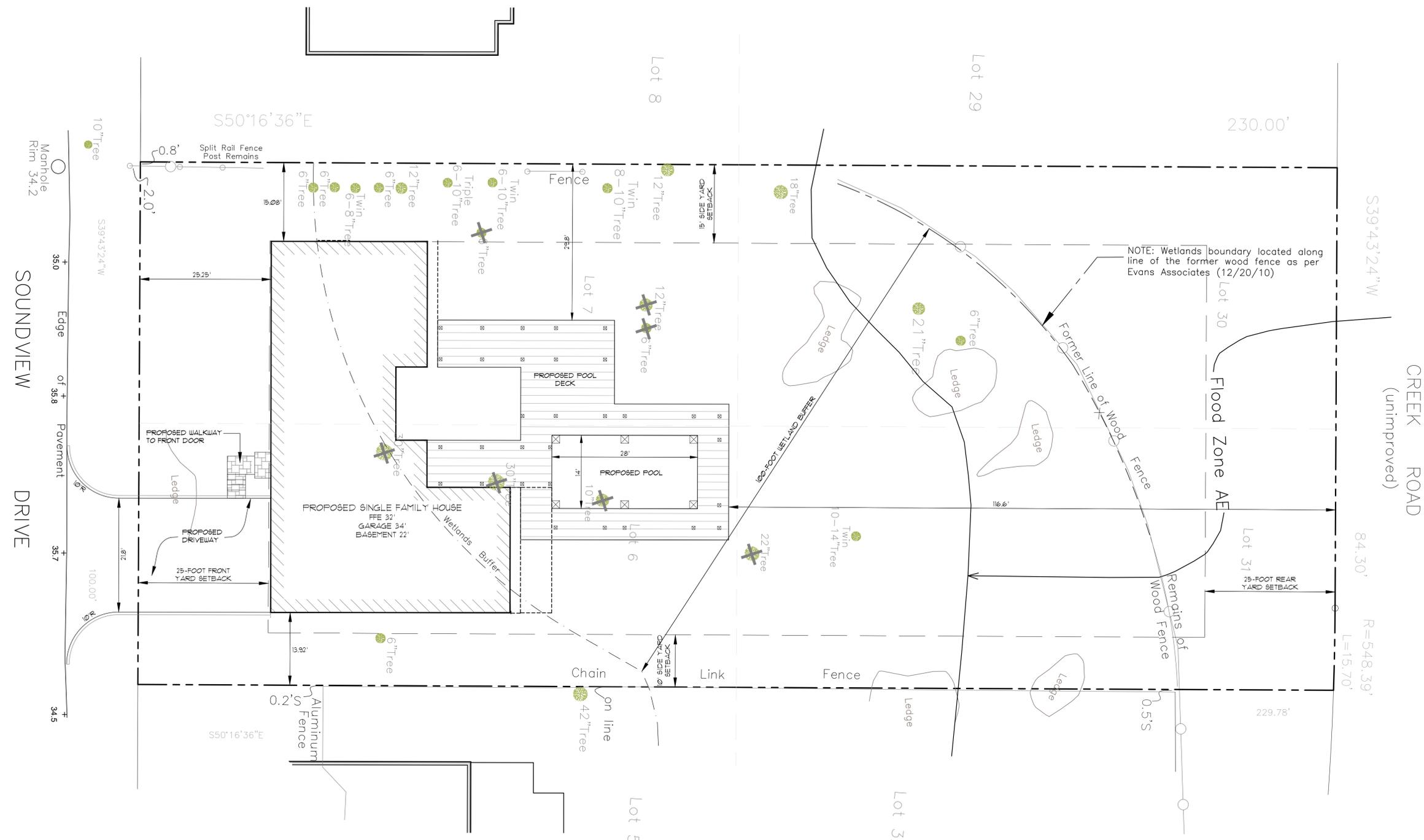
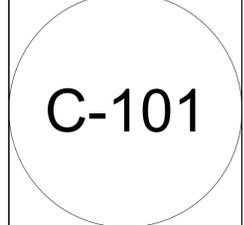


PROJECT NAME:
D'ARCANGELO PROPERTY
921 Soundview Drive
Village of Mamaroneck, New York

ENGINEER & LANDSCAPE ARCHITECT:
ALP ENGINEERING & LANDSCAPE ARCHITECTURE, PLLC
P.O. Box 843 Ridgeland, CT 06877
Direct Tel: (475) 215-5343 Cell: (203) 710-0587

Drawing Title:
Site Layout Plan

Date: October 18, 2021
Dwn. by: alp
ID: 921 Soundview_Site_12-24-2021



Storm Drainage Piping Schedule									
Structure	FROM			TO			PIPE		
From	Rim/Grate Elev.	Invert Elev.	Structure To	Rim/Grate Elev.	Invert Elev.	Length (feet)	Size (Inches)	Slope %	
TD-1	33.75	32.00	KEY 5	32.00	31.75	3	8	8.33	
KEY 5	32.00	31.75	KEY 4	30.90	28.98	22	8	12.58	
KEY 4	30.90	28.98	CB-2	26.50	24.58	41	8	10.73	
CB-2	26.50	24.58	CB-1	21.80	19.88	31	8	15.16	
CB-1	21.80	19.88	DS-2A	19.50	17.33	20	8	12.75	
DS-2A	19.50	17.33	CHAMBERS	18.50	15.92	3.5	8	40.48	
DS-2A	19.50	17.58	FLOW SPR.	16.00	15.08	42	8	5.95	
RDL-9	32.00	30.17	KEY 3	22.25	19.92	47	4	21.81	
KEY 3	22.25	19.92	KEY 2	20.00	18.67	31	4	4.03	
KEY 2	20.00	18.67	KEY 1	19.60	18.27	12	4	3.33	
KEY 1	19.60	18.27	DS-2B	19.60	17.85	21	6	1.98	
DS-2B	19.60	17.75	CHAMBERS	18.50	16.25	3.5	6	42.86	
RDL-8	22.00	20.17	KEY 3	22.25	19.92	3	4	8.33	
RDL-7	21.00	19.17	KEY 2	20.00	18.67	5	4	10.00	
RDL-6	24.00	21.50	KEY 6	23.50	21.20	3	4	10.00	
RDL-5	22.60	21.50	KEY 6	23.50	21.20	14	4	2.14	
KEY 6	23.50	23.50	KEY 1	19.60	18.27	25	4	20.93	
DS-2B	19.60	18.00	FLOW SPR.	16.00	15.25	27	6	10.19	

LEGEND

- PROPERTY LINE
- EXISTING TOPOGRAPHY
- PROPOSED SPOT ELEVATION
- PROPOSED CONTOUR
- PROPOSED CATCH BASIN
- PROPOSED STORM PIPE
- PROPOSED STORM KEY NODE
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- WETLAND LINE
- WETLAND BUFFER LINE

CONSULTANTS:
PROJECT ARCHITECT:
Jaclyn Tyler, AIA
Nexus Creative Design
Architecture Planning & Design
100 White Plains Road
Tarrytown, NY 10591
Tel: (914) 740 - 4774 | (914) 204 - 6404

ISSUED:
Rev. as per comment from Village and consultants 12/29/2021

OWNERSHIP AND USE OF DOCUMENTS
UNAUTHORIZED ALTERATIONS AND ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209(2) OF THE NEW YORK STATE EDUCATION LAW.
No part of these drawings shall be copied, disclosed to others or used in connection with any work or project other than for which they have been prepared without the express written consent of the licensed professional who prepared the document.



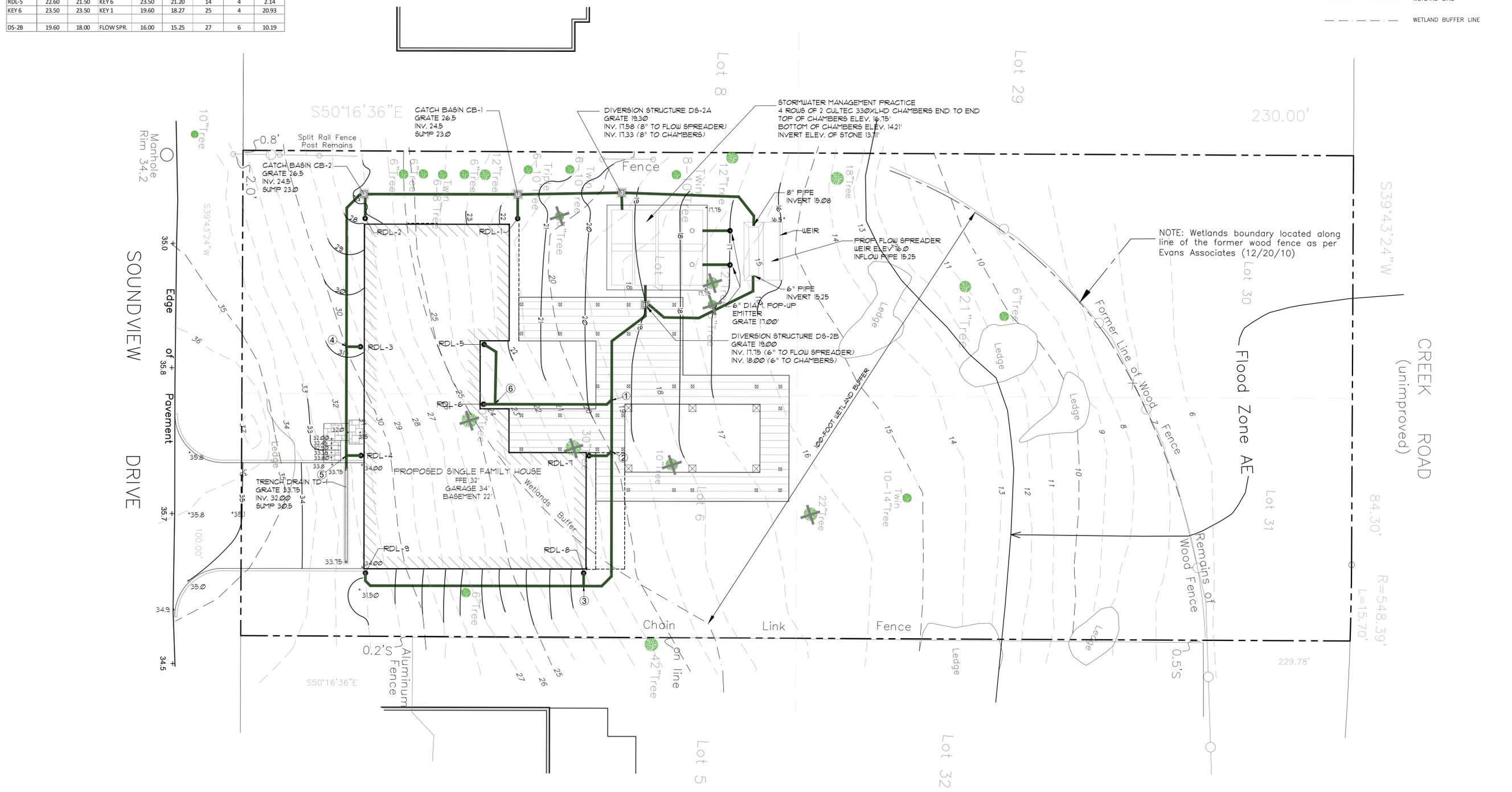
PROJECT NAME:
D'ARCANGELO PROPERTY
921 Soundview Drive
Village of Mamaroneck, New York

ENGINEER & LANDSCAPE ARCHITECT:
ALP ENGINEERING & LANDSCAPE ARCHITECTURE, PLLC
P.O. Box 843 Ridgefield, CT 06877
Direct Tel: (475) 215-5343 Cell (203) 710-0587

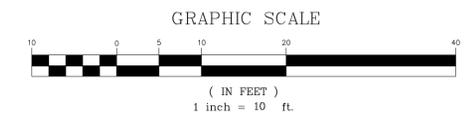
Drawing Title:
Grading and Utilities Plan

Date: October 18, 2021
Dwn. by: alp
ID: 921 Soundview_Site_12-24-2021

C-102



Civil Engineer:
Alan L. Pitter
ALP Engineering & Landscape Architecture, PLLC
P.O. Box 843, Ridgefield, CT 06877
142 Falls Road, Bethany, CT 06524
P.E. #80167
C. of A. #0016351
Tel: (475) 215-5343



CONSTRUCTION SEQUENCE NARRATIVE

All erosion and sedimentation control measures and procedures shall comply with the New York State Department of Environmental Conservation publication Standards and Specifications for Erosion and Sediment Control, latest edition. Erosion control measures shall be installed prior to the start of construction and maintained in effective condition throughout the construction period.

Land disturbance shall be kept to a minimum. Restoration shall be scheduled as soon as practicable.

Notify all appropriate authorities (i.e. Village of Mamaroneck Building Department - Telephone: 914-777-7731 and the Engineering Department - Telephone 914-777-7787) at least 48 hours prior to the commencement of site work.

Verify all existing underground and overhead utilities prior to any construction activity by calling Dig Safely New York (dial 811 or on the internet at <http://www.digsafelyny.com/>) and conducting one's own due diligence.

All erosion control measures shall be installed prior to any construction activity, and periodically monitored throughout all phases of construction for proper function and structural integrity. Perform maintenance and repairs as necessary.

The construction sequence is as follows:

- 1) Identify Disturbance Limits - Identify the limits of the areas to be disturbed within the property in accordance with the drawings. The limits of disturbance may be referenced on drawing C-103.
- 2) Install Construction Fence/Tree Protection Fence where indicated on the plans to protect existing trees to remain and prevent compaction of soils. Take care to ensure that for trees to remain, the roots below the drip line are not compacted.
- 3) Install the Erosion and Sediment Control Measures - In accordance with the plans, install:
 - Silt fence in the locations shown on the drawings and installed as per the instructions of the manufacturer and as shown on the construction details.

- Construction materials storage area shall be set up where indicated on the drawings. The construction materials storage area shall be encompassed with a construction fence as a containment.
- Construction Fencing and Tree Protection - where indicated on the plans.

Silt fence is to be installed along perimeter of construction area as shown on the drawings. Silt fence shall be installed, in general, parallel to the contour. Where one length of silt fence ends and another begins, provide a minimum 10 foot overlap. Additional silt fence may be placed in the field at the discretion of representatives of the approving authorities. Silt fence shall be maintained in operable condition and shall not be removed until disturbed areas are thoroughly stabilized.

4) Building Materials - For the new house and pool to be constructed, the building materials shall be temporarily stored in the Construction Materials storage area depicted on the plans.

5) Footing, Foundation and Building Pad Preparation - Following the installation of the soil erosion and sediment controls measures and demolition, prepare the building pad area for the construction of the new house. Stockpile soil and soil/rock removed during excavation and protect the stockpile in the location(s) shown on the drawings and in accordance with the detail. Fence in an area for trash and waste to prevent it from being blown and washed to neighboring properties, into Otter Creek or to the street (see drawing C-103).

6) House and Pool Construction - Construct the house, pool, pool deck and all other site improvements in accordance with the architect's plans.

7) Install Stormwater Management and Drainage Facilities - Storm drainage systems are installed from the lowest to highest elevations.

Construct the stormwater management facilities to consist of the subsurface chamber practice. Install the chambers in accordance with the construction details. **The chambers must be inspected by the project engineer prior to stone backfill.** Construct the flow spreader, catch basins, diversion structure and trench drain. Set the storm drainage pipes at the elevations specified on the plans at each structure. Connect the house roof drain leaders to the structures and/or storm drainage pipes

specified on drawing C-102.

Do not permit runoff to enter the subsurface chambers until such time as the ground surface that drains to them have achieved final stabilization.

8) Prepare the Disturbed Area for Final Stabilization and Planting - Clean up all residual site debris and litter and prepare all disturbed areas not to be hard surfaced for topsoiling and seeding and/or planting. All disturbed areas are to be seeded with the permanent grass seed mix noted in the specifications.

- 9) Restore the permeability of the soil by following the Soil Restoration steps in accordance with the New York State Stormwater Management Design Manual, as follows:
- Apply 3 inches of compost over subsoil.
 - Till compost into subsoil to a depth of at least 12 inches using a cat-mounted ripper, tractor-mounted disc, or tiller, mixing, and circulating air and compost into subsoils.
 - Rock-pick until uplifted stone/rock materials of four inches and larger size are cleaned off the site.
 - Apply topsoil to a depth of 6 inches.
 - Vegetate as required by approved plan.
 - Provide straw mulch cover over seeded areas.

10) Driveway Installation - Remove the soil and stabilized construction entrance for the driveway. Install the subbase and bituminous pavement courses to the elevations specified on the plans.

11) Remove the erosion control measures only after full vegetative stabilization occurs on the site.

EROSION AND SEDIMENT CONTROL MAINTENANCE SCHEDULE

Silt Fence: Maintenance shall be performed as needed and material removed when bulges develop in the silt fence. Inspection for physical damage to the silt fence material shall be made during the weekly inspection. If filter fabric shows signs of decomposing or is damaged, it shall be repaired immediately. Typically, this entails installing a new line of silt fence adjacent to the damaged line.

Tree Protection: Check on at least a weekly basis that the construction fence and/or tree protection has not been damaged by construction activities.

Soil Stockpiling: Perimeter sediment controls around each stockpile is to consist of silt fence installed in accordance with the standards delineated above. The silt fence shall be maintained as noted above. Stockpiles and fill area shall be inspected at least weekly for signs of erosion or problems with plant establishment.

Temporary Critical Area Plantings (Temporary Seeding)

When to Apply - Temporary seeding may be necessary on construction sites to protect an area, or section, where final grading is complete, when preparing for winter work shutdown, or to provide cover when permanent seedings are likely to fail due to mid-summer heat and drought. The intent is to provide temporary protective cover during temporary shutdown of construction and/or while waiting for optimal planting time.

Water management practices must be installed as appropriate for site conditions. The area must be rough graded and slopes physically stable. Large debris and rocks are usually removed. Seedbed must be seeded within 24 hours of disturbance or scarification of the soil surface will be necessary prior to seeding. Fertilizer and lime are not typically used for temporary seedings.

If it is spring, summer or early fall, then seed the area with ryegrass (annual or perennial) at 30 lb per acre (Approximately 0.7 lb/1000 sq. ft. or use 1 lb/1000 sq. ft.).

If it is late fall or early winter, then seed with Certified 'Aroostook' winter rye (cereal rye) at 100 lb per acre (2.5 lb/1000 sq. ft.).

Any seeding method may be used that will provide uniform application of seed to the area and result in relatively good soil to seed contact.

Mulch the seeded area with hay or straw at 2 tons/acre (approx. 90 lb/1000 sq. ft. or 2 bales). Quality of hay or straw mulch allowable will be determined based on long term use and visual concerns. Mulch anchoring will be required where wind or areas of concentrated water are of concern. Wood fiber hydromulch or other sprayable products approved for erosion control (nylon web or mesh) may be used if applied according to manufacturers' specification. Caution is advised when using nylon or other synthetic products. They may be difficult to remove prior to final seeding.

LEGEND

- PROPERTY LINE
- EXISTING TOPOGRAPHY
- PROPOSED SPOT ELEVATION
- PROPOSED CONTOUR
- PROPOSED CATCH BASIN
- PROPOSED STORM PIPE

EROSION CONTROL PLAN LEGEND

- SCE STABILIZED CONSTRUCTION ENTRANCE
- SF SILT FENCE
- SS SOIL STOCKPILE
- IP INLET PROTECTION
- CM CONSTRUCTION MATERIALS STORAGE / STAGING AREA
- CP CONTRACTOR PARKING AREA
- WM WASTE MATERIALS STORAGE
- CW CONCRETE WASHOUT AREA
- CF CONSTRUCTION FENCE

CONSULTANTS:
PROJECT ARCHITECT:
Jaclyn Tyler, AIA
Nexus Creative Design
Architecture Planning & Design
100 White Plains Road
Tarrytown, NY, 10591
Tel. (914) 740 - 4774 | (914) 204 - 6404

ISSUED:
Rev. as per comment from Village and consultants 12/29/2021

OWNERSHIP AND USE OF DOCUMENTS
UNAUTHORIZED ALTERATIONS AND ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209(2) OF THE NEW YORK STATE EDUCATION LAW.
No part of these drawings shall be copied, disclosed to others or used in connection with any work or project other than for which they have been prepared without the express written consent of the licensed professional who prepared the document.

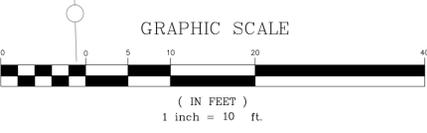
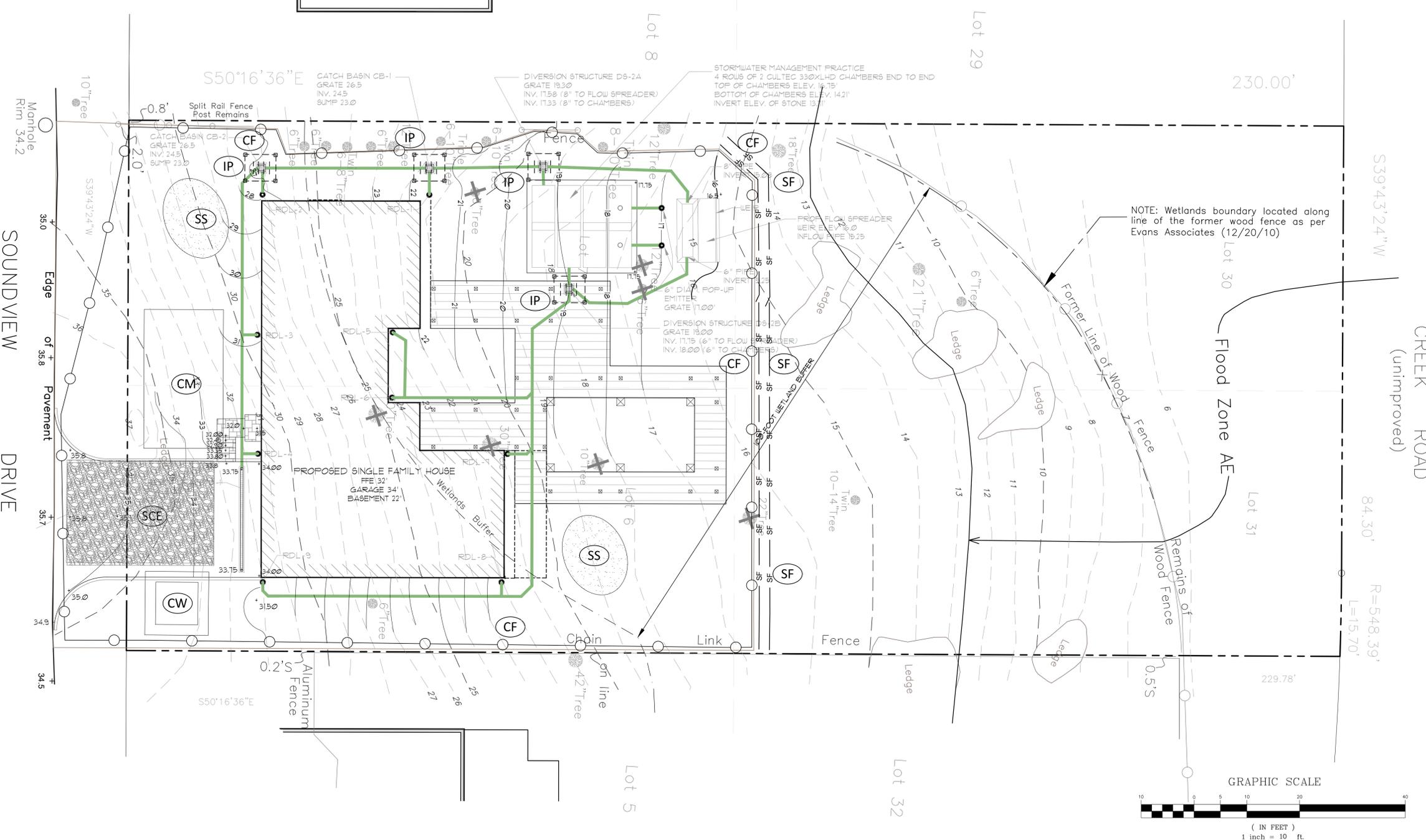
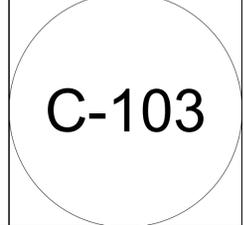


PROJECT NAME:
D'ARCANGELO PROPERTY
921 Soundview Drive
Village of Mamaroneck, New York

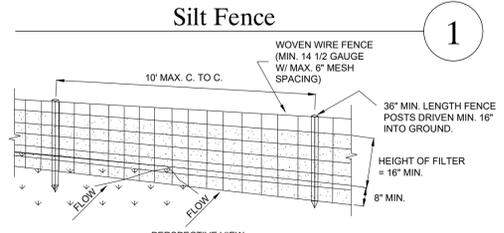
ENGINEER & LANDSCAPE ARCHITECT:
ALP ENGINEERING & LANDSCAPE ARCHITECTURE, PLLC
P.O. Box 843 Ridgeland, CT 06877
Direct Tel: (475) 215-5343 Cell: (203) 710-0587

Drawing Title:
Erosion and Sediment Control Plan

Date: October 1, 2021
Dwn. by: alp
ID: 921 Soundview_Site_12-24-2021



Civil Engineer:
Alan L. Pitteri
ALP Engineering & Landscape Architecture, PLLC
P.O. Box 843, Ridgeland, CT 06877
142 Falls Road, Bethany, CT 06248
P.E. #80167
C. of A. #0016331
Tel: (475) 215-5343

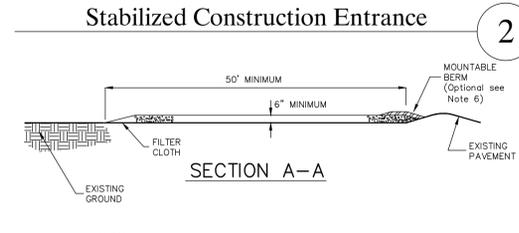


CONSTRUCTION SPECIFICATIONS

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "1" OR "1/2" TYPE OR HARDWOOD.
- FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
- 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.
- PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

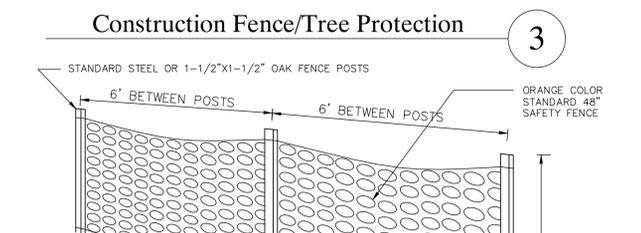
U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

SILT FENCE

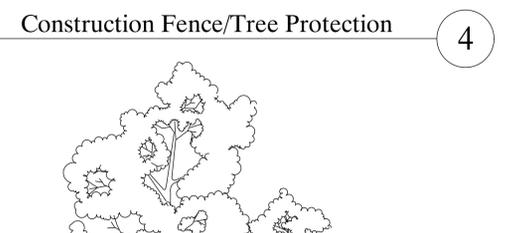
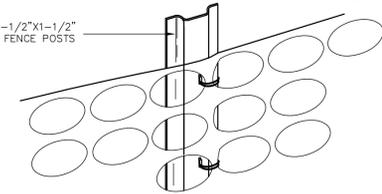


NOTES:

- STONE SIZE - USE 3/4" - 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET.
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24 FOOT MINIMUM IF SINGLE ENTRANCE TO SITE.
- FILTER CLOTH - TO BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- 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.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAROUT OF ANY MEASURE USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DRIPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-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.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

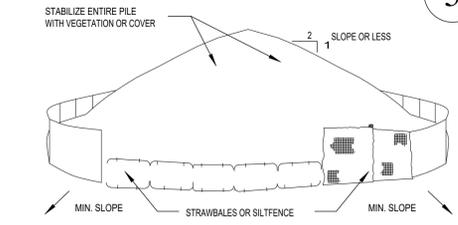


STANDARD STEEL OR 1-1/2"x1-1/2" OAK FENCE POSTS



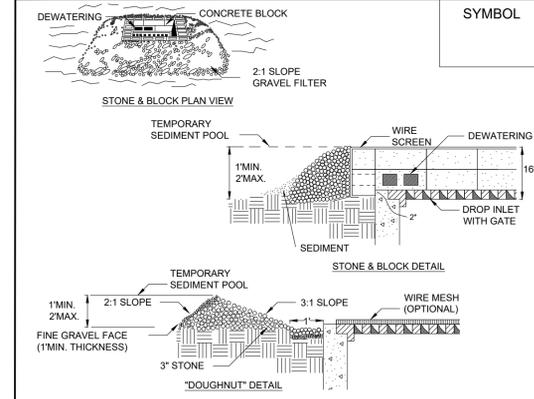
EMBED POSTS 2' INTO GROUND

Soil Stockpile



- INSTALLATION NOTES**
- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
 - MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
 - UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING (WHICH IS PREFERRED) OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
 - SEE SPECIFICATIONS (THIS MANUAL) FOR INSTALLATION OF SILT FENCE.

Stone and Block Drop Inlet Protection



CONSTRUCTION SPECIFICATIONS

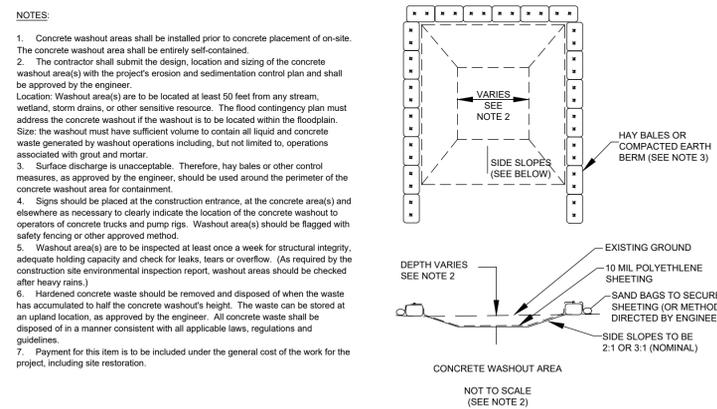
- LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
- HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
- USE CLEAN STONE OR GRAVEL 1/2-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
- 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

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

STONE & BLOCK DROP INLET PROTECTION

Concrete Washout Area



- NOTES:**
- Concrete washout areas shall be installed prior to concrete placement of on-site. The concrete washout area shall be entirely self-contained.
 - The contractor shall submit the design, location and sizing of the concrete washout area(s) with the project's erosion and sedimentation control plan and shall be approved by the engineer.
 - Location: Washout area(s) are to be located at least 50 feet from any stream, wetland, storm drains, or other sensitive resource. The flood contingency plan must address the concrete washout if the washout is to be located within the floodplain. Size: the washout must have sufficient volume to contain all liquid and concrete waste generated by washout operations including, but not limited to, operations associated with grout and mortar.
 - Surface discharge is unacceptable. Therefore, hay bales or other control measures, as approved by the engineer, should be used around the perimeter of the concrete washout area for containment.
 - Signs should be placed at the construction entrance, at the concrete area(s) and elsewhere as necessary to clearly indicate the location of the concrete washout to operators of concrete trucks and pump rigs. Washout area(s) should be flagged with safety fencing or other approved method.
 - Washout area(s) are to be inspected at least once a week for structural integrity, adequate holding capacity and check for leaks, tears or overflow. (As required by the construction site environmental inspection report, washout areas should be checked after heavy rains.)
 - Hardened concrete waste should be removed and disposed of when the waste has accumulated to half the concrete washout's height. The waste can be stored at an upland location, as approved by the engineer. All concrete waste shall be disposed of in a manner consistent with all applicable laws, regulations and guidelines.
 - Payment for this item is to be included under the general cost of the work for the project, including site restoration.

CONCRETE WASHOUT AREA
NOT TO SCALE (SEE NOTE 2)

CONSULTANTS:
PROJECT ARCHITECT:
Jaclyn Tyler, AIA
Nexus Creative Design
Architecture Planning & Design
100 White Plains Road
Tarrytown, NY, 10591
Tel: (914) 740 - 4774 | (914) 204 - 6404

ISSUED:
Resubmission to Village 12/29/2021

OWNERSHIP AND USE OF DOCUMENTS
UNAUTHORIZED ALTERATIONS AND ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209(2) OF THE NEW YORK STATE EDUCATION LAW.
No part of these drawings shall be copied, disclosed to others or used in connection with any work or project other than for which they have been prepared without the express written consent of the licensed professional who prepared the document.



PROJECT NAME:
D'ARCANGELO PROPERTY
921 Soundview Drive
Village of Mamaroneck, New York

ENGINEER & LANDSCAPE ARCHITECT:
ALP ENGINEERING & LANDSCAPE ARCHITECTURE, PLLC
P.O. Box 843 Ridgefield, CT 06877
Direct Tel: (475) 215-5343 Cell (203) 710-0587

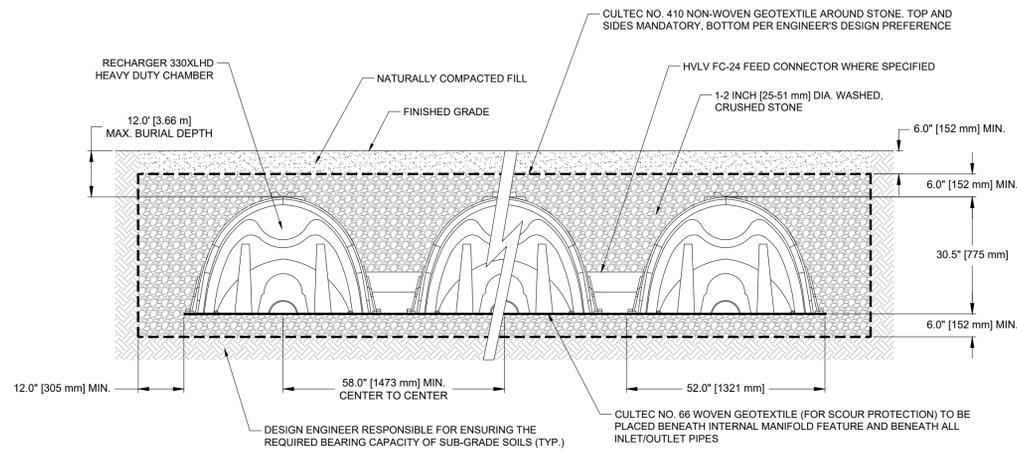
Drawing Title:
Construction Details

Date: October 18, 2021
Dwn. by: alp
ID: 921 Soundview_Site_12-24-2021

C-111

Cultec 330XLHD Chamber Installation

1



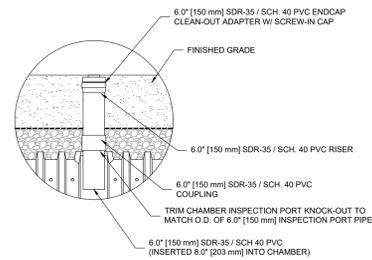
GENERAL NOTES

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

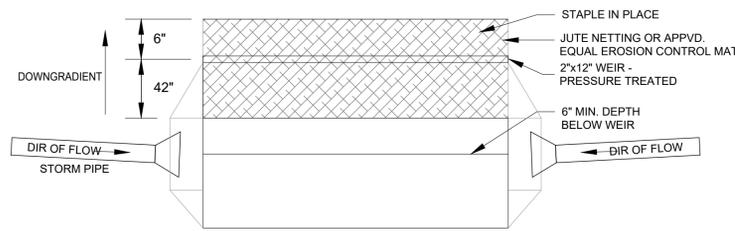
Cultec 330XLHD Inspection Port

5

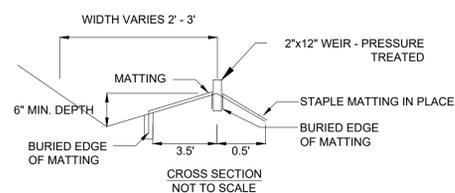


Flow (Level) Spreader

4



PLAN VIEW



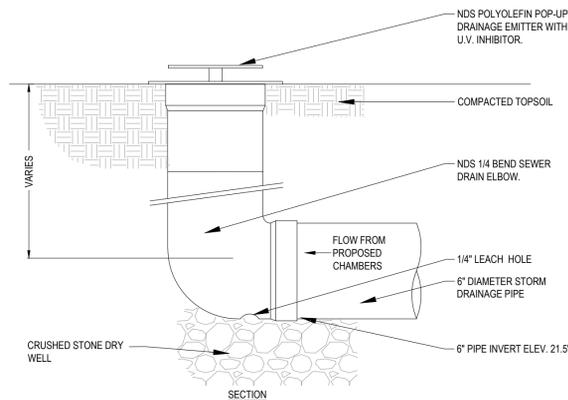
CROSS SECTION NOT TO SCALE

NOTES:

- MATting SHALL BE A MINIMUM OF 4 FEET WIDE EXTENDING A MINIMUM OF 6" OVER THE LIP AND BURIED A MINIMUM OF 6" DEEP IN A VERTICAL TRENCH ON THE LOWER EDGE. THE UPPER EDGE SHALL BUTT AGAINST SMOOTHLY CUT SOIL AND BE SECURELY HELD IN PLACE WITH CLOSELY SPACED HEAVY DUTY STAPLES AT LEAST 12" IN LENGTH.
- ENSURE THAT THE WEIR IS LEVEL TO UNIFORMLY SPREAD THE DISCHARGE. THE WEIR SHALL BE PLACED ON UNDISTURBED SOIL, NOT FILL.
- RUNOFF DISCHARGE SHALL BE OUTLETTED TO A STABILIZED VEGETATED SLOPE NOT EXCEEDING 10%, OR CONSTRUCT IN LOCATION SHOWN ON PLANS.
- SEED AND MULCH THE DISTURBED AREA IMMEDIATELY FOLLOWING CONSTRUCTION WITH CRITICAL AREA SEEDING MIX.
- LENGTH OF LEVEL SPREADER SHALL BE AS SHOWN ON PLANS, BUT IN NO CASE SHALL LIP SHALL BE LESS THAN 10 FEET IN LENGTH.
- SEED AND MULCH THE DISTURBED AREA IMMEDIATELY AFTER CONSTRUCTION.

6" Diameter Pop-Up Emitter

6

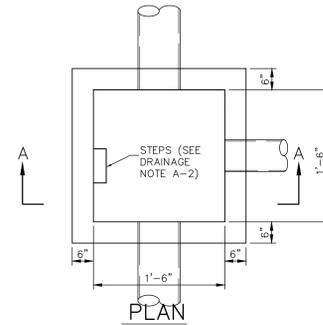


NOTES:

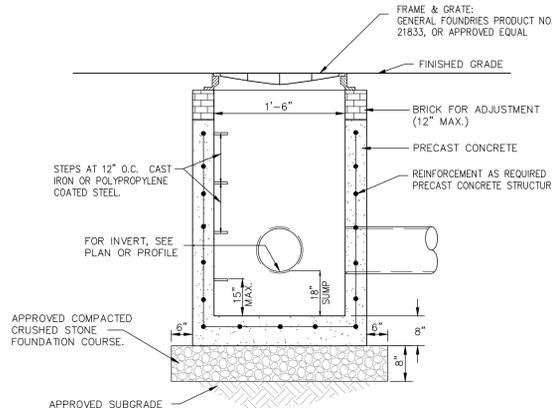
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- DO NOT SCALE DRAWING.
- THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY.
- ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
- PIPE FROM PROPOSED CHAMBERS SHALL CONNECT TO THE PORT ON THE SIDE OF THE CHAMBER AS SHOWN ON DRAWING C-102.

Catch Basin

2



SECTION A-A

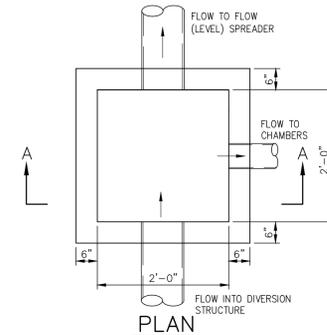


NOTES PERTAINING TO DRAIN INLETS, MANHOLES AND SUBSURFACE STORMWATER DETENTION FACILITIES

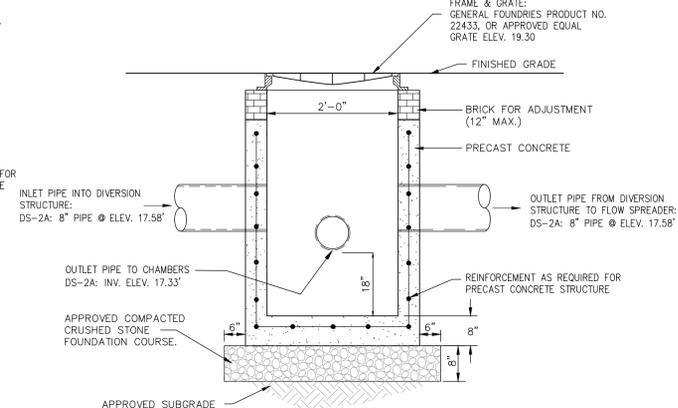
- ALL PRECAST CONCRETE STRUCTURES SHALL BE DESIGNED TO ACCOMMODATE AN H-20 DESIGN LOAD. ALL SUBSURFACE STORMWATER DETENTION FACILITIES SHALL ALSO MEET AN H-20 LOADING.
- STEPS WILL NOT BE REQUIRED IN INLETS LESS THAN FOUR (4) FEET IN DEPTH. STEPS WILL BE REQUIRED IN INLETS FOUR (4) FEET OR GREATER IN DEPTH.
- FOR MASONRY STRUCTURES, THE FIRST COURSE OF MASONRY SHALL BE SET IN THE CONCRETE FOUNDATION BEFORE THE CONCRETE HAS SET. CONCRETE FOUNDATION SHALL BE CLASS "A" (3,500 PSI) CONCRETE, TWELVE (12) INCHES THICK AND SHALL EXTEND SIX (6) INCHES BEYOND THE OUTSIDE FACE OF THE STRUCTURE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH AND CONSTRUCT THE PROPER SIZE STRUCTURE INCLUDING THE NECESSARY OPENINGS TO ACCOMMODATE THE WORK AS SHOWN ON THE PLANS OR ORDERED BY THE ENGINEER, AT NO ADDITIONAL COST TO THE OWNER.
- ALL NECESSARY PATCHING FOR DRAIN STRUCTURES SHALL BE ACCOMPLISHED WITH NON-SHRINKING CEMENT MORTAR GROUT; APPROVED EQUAL TO SIKA-SET AS MANUFACTURED BY THE SIKA CHEMICAL CORP.
- FOUNDATIONS FOR PRECAST CONCRETE STRUCTURES SHALL BE SET ON A COMPACTED LAYER OF APPROVED POROUS MATERIAL HAVING A MINIMUM COMPACTED THICKNESS OF EIGHT (8) INCHES.
- ALL PIPES SHALL BE CUT FLUSH WITH THE INSIDE WALL OF THE STRUCTURE.
- PROVIDE REINFORCED CONCRETE TOP SLAB FOR OVERSIZED DRAIN INLETS WITH PROPER SIZE OPENING TO ACCOMMODATE INSTALLATION OF FRAME & GRATE.
- FOR MASONRY STRUCTURES GREATER THAN TWELVE (12) FEET IN DEPTH, THICKNESS OF MASONRY WALLS SHALL BE INCREASED TO TWELVE (12) INCHES.

Diversion Structure

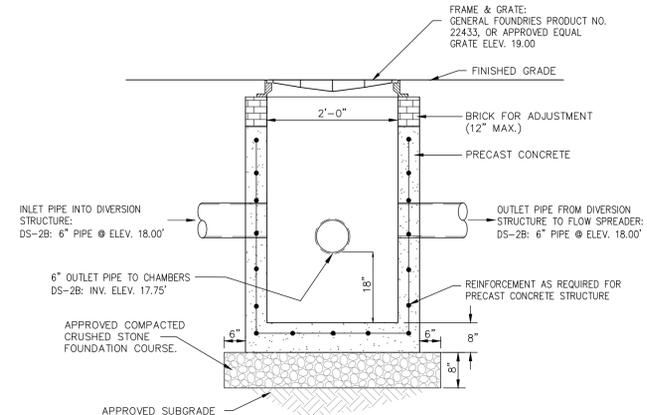
3



DS-2A -- SECTION A-A



DS-2B -- SECTION A-A



CONSULTANTS:
PROJECT ARCHITECT:
Jaclyn Tyler, AIA
Nexus Creative Design
Architecture Planning & Design
100 White Plains Road
Tarrytown, NY, 10591
Tel: (914) 740 - 4774 | (914) 204 - 6404

ISSUED:
Rev. as per comment from Village and consultants 12/29/2021

OWNERSHIP AND USE OF DOCUMENTS
UNAUTHORIZED ALTERATIONS AND ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209(2) OF THE NEW YORK STATE EDUCATION LAW.
No part of these drawings shall be copied, disclosed to others or used in connection with any work or project other than for which they have been prepared without the express written consent of the licensed professional who prepared the document.



PROJECT NAME:
D'ARCANGELO PROPERTY
921 Soundview Drive
Village of Mamaroneck, New York
ENGINEER & LANDSCAPE ARCHITECT:
ALP ENGINEERING & LANDSCAPE ARCHITECTURE, PLLC
P.O. Box 843 Ridgefield, CT 06877
Direct Tel: (475) 215-5343 Cell: (203) 710-0587

Drawing Title:
Construction Details
Date: October 18, 2021
Dwn. by: alp
ID: 921 Soundview_Site_12-24-2021

