



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

Application for Site Development Plan Approval

Application Name

250 E. Middle Patent Road Pool



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Important General Information

- Prior to submitting an application, the "Notice to Applicants" should be reviewed.
- To appear before the Planning Board, all required application materials shall be submitted not later than **12:00 P.M., Monday, fourteen (14) days** prior to the date of the Planning Board meeting at which the application is scheduled to be heard or as otherwise noted by the Planning Board Secretary. Continuing Business can be submitted 12 days prior to the Next Planning Board meeting by the close of business. Except where noted.

If all required application materials, including the pertinent application fee and escrow monies are not submitted by that deadline, the application shall be automatically removed from the agenda.

At the discretion of the Planning Board Chairman, the application may be rescheduled, if appropriate, for the next available Planning Board meeting or the application may be removed from future agendas altogether. Without prior authorization from the Planning Board, application submissions shall not be accepted at Planning Board meetings.

- At the time of submission, all required application materials shall be submitted. **Piecemeal** submissions **shall not** be accepted. Substitution of previously submitted materials shall not be permitted.
- All submissions shall be dated, with revision dates identified on new submissions.
- All submissions shall be accompanied by a cover letter describing the project and/or any changes as compared to previous submissions.
- For distribution purposes and mailing to the Planning Board Members and others (as required), multiple copies of application materials shall be collated into separate sets, each containing one copy of every submitted document. All application materials shall be submitted in a form that fits into a **12" x 17" envelope**. Plans shall be **folded** and **rubber banded** as necessary.
- To be considered complete for Planning Board hearing purposes, an application package shall contain the information identified in Parts IV and V of this application form.
- For purposes of completing this application form, all responses provided shall be printed, except as otherwise specified.



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**AT THE TIME OF SUBMISSION TO THE PLANNING DEPARTMENT
PLEASE MAKE SURE THE FOLLOWING IS PROVIDED**

- ✓ SUBMISSION OF A SINGLE PDF FILE (PLANS, APPLICATION FORM, OTHER PAPERWORK) ON A DISK, THUMBDRIVE OR EMAIL
- ✓ COVER LETTER DESCRIBING THE PROJECT OR CHANGES TO THE PROJECT
- ✓ ALL PLANS ARE SIGNED AND SEALED BY A LICENSED NYS PROFESSIONAL
- ✓ ALL PLANS SHALL BE COLLATED AND FOLDED INTO 8 INDIVIDUAL SETS



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NOTICE TO APPLICANTS

In the Town of North Castle, the Planning Board is responsible for the review and approval of all applications concerning site plans, subdivisions and lot line changes; some applications concerning special use permits, wetlands permits and tree removal permits; and the environmental review of those applications over which it has jurisdiction. The Planning Board may also have an advisory role in connection with some applications before the Town Board, such as those involving other categories of special use permits and zoning amendments.

The Planning Board is composed of five volunteer members – all residents of North Castle – who are appointed by the Town Board for five-year terms. As part of the review of some applications, the Planning Board is assisted on an as-needed basis by other lay boards of the Town, such as the Conservation Board (CB), the Zoning Board of Appeals (ZBA), the Open Space Committee and the Architectural Review Board (ARB). As part of the review of most applications, the Planning Board is also assisted by the Director of Planning, the Town Engineer, the Town Attorney and other special consultants when required.

FEES:

If you submit an application for Planning Board review, you will be required to reimburse the Town for the cost of professional review services, including legal and engineering services, incurred in connection with the review of your application. The charges for professional planning review services have been \$120/hour. If other types of professional consultant review services are required, those charges will be in accord with fees usually charged for such services and pursuant to a contractual agreement between the Town and such professional.

At the time of submission of an application, the Planning Board will require the establishment of an escrow account from which withdrawals shall be made to reimburse the Town for the cost of consultant fees and professional staff services.

ESCROW ACCOUNT:

Escrow Accounts are established for each application. Monies will be deducted from the account for professional review services rendered. Monthly escrow disbursement summaries will be mailed for your reference regarding your project. When the balance in such escrow account is reduced to one-third (1/3) of its initial amount, a letter will be mailed to the applicant and the applicant shall deposit additional funds into such account to restore its balance to the amount of the initial deposit. Additional information on these requirements is provided in the North Castle Town Code (see Sections 355-79B and 275-36.C).



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PROCEDURE:

Prior to submitting an application to the Planning Board for review and approval, prospective applicants should schedule an appointment with the Planning Board Secretary at (914) 273-3542 for a consultation with the Town Planner and the Town Engineer. When the appointment is made, a verbal description of the proposal should be provided to the Planning Board Secretary. The Town of North Castle is providing the services of the Director of Planning and the Town Engineer for *initial* consultation at no cost to the applicant so that it is possible to conduct the application review as efficiently as possible for the benefit of the applicant as well as the Planning Board.

After meeting with the Town Planner and Town Engineer, prospective applicants should prepare one complete set of application documents and plans. This set will be reviewed for completeness by the Town Planner. If determined to be incomplete, the Planning Department will submit a checklist indicating which items have not been adequately addressed. If determined to be complete, the checklist will be initialed and the Applicant should submit the remainder of the required application packages.

Once the checklist has been initialed and all application packages have been submitted, the Planning Board Secretary will schedule the application for the first available opening on the Planning Board's meeting agenda. However, if the required application material packages, including the pertinent application fee are not received at the Planning Board office by 12:00 PM, Monday, 14 days prior to the date of the Planning Board meeting at which you are scheduled to appear (or otherwise scheduled by the Planning Board Secretary), your application will be automatically removed from the agenda. At the discretion of the Planning Board Chairman, your application may be rescheduled, if appropriate, for the next available Planning Board meeting or the application may be removed from future agendas altogether. Additional requirements pertinent to each type of application are provided on the individual application forms, which you should carefully review prior to submitting your application.

When an application is deemed complete and submitted for review, it will be forwarded to the Planning Board Members and its professional advisors in advance of the meeting to allow adequate time for review, preparation of written reports and site inspections as necessary. Your application may also be forwarded to other boards and staff of the Town as well as to agencies outside of the Town, if required. Compliance with State Environmental Quality Review (SEQR) procedures is also required as part of the processing of all applications.

At your first appearance before the Planning Board, the Applicant will describe the project and the Planning Board will discuss any preliminary issues. The Planning Board discussion may be continued at future meetings, or if the Planning Board review has progressed sufficiently, the Application may be scheduled for a public hearing (if one is required) The public hearing may occur at a single Planning Board meeting, or it may be adjourned and continued at another Planning Board meeting. Because the nature and complexity of each application varies



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considerably, it is not possible to predict in advance the length of time needed to secure Planning Board approval. There are certain steps that you can take, however, to expedite the review process. These include, but are not limited to, the following:

- Be thoroughly familiar with the requirements pertinent to your application. Carefully review relevant provisions of the North Castle Town Code and the application form for your particular type of application. Be sure to check on what other types of approvals may be required in addition to that of the Planning Board. Approvals by other Town boards or departments as well as agencies outside of the Town may be required before you will be allowed to proceed with your project.
- Make sure that your application materials are accurately prepared and contain all required information. The information that we initially request is required, so make sure that your submission is complete. If supplementary information is requested as the review process continues, make sure that it is submitted in a timely fashion so the Planning Board can continue to move your application along.
- Follow up to make sure that your application materials are being submitted on time, or deliver them to the Planning office yourself.
- Attend the Planning Board meeting at which your application will be discussed and be on time for the meeting. If you cannot appear personally, make sure that your representative will be there and is thoroughly familiar with your application.

If the Application is approved by the Planning Board, a resolution of approval will be adopted by the Planning Board. It is the Applicant's responsibility to address any and all conditions of approval. Permits from the Building Department cannot be issued until all conditions have been addressed and the plans have been signed by the Planning Board Chair and the Town Engineer.

**ON LINE AGENDAS & PLANNING DEPARTMENT MEMORANDA CAN BE
REVIEWED AT**

WWW.NORTHCASTLENY.COM



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INFORMATION REGARDING PUBLIC HEARINGS

1. The North Castle Assessor's Office shall prepare a list of neighbors to be notified for the neighbor notifications and public hearings - **A minimum of one week's notice is required**. The fee is \$50.00 which includes the list of neighbors and two sets of labels for mailing. The Assessor's Office may be reached Monday – Friday from 8:30 a.m.– 4:30 p.m. at 273-3324. You may also e-mail your request to assessor@northcastleny.com

When requesting your list please reference the list of application types below so that you can tell the Assessor's office how many feet on all sides of the property to create the list for.

Subdivisions - All lots zoned R-10, R-5 and R-2F shall notice all neighbors within 200 feet from all sides of their property. All other zoning districts shall notice neighbors within 500 feet from all sides of their property. Public hearing notice must be published in the newspaper.

Special Use Permit for Structures over 800 sq ft. & Accessory Apartment - All Zoning Districts shall notice all neighbors within 250 feet from all sides of their property. Public hearing notice must be published in the newspaper.

Site Plan, Non Residential - All Zoning Districts shall notice all neighbors within 250 feet from all sides of their property. Public hearing notice must be published in the newspaper.

Site Plan, Residential/ Neighbor Notification – All zoning districts R-3/4A or smaller shall notice all neighbors within 250' from all sides of their property. All zoning districts zoned R-1A or larger shall notice all neighbors within 500' from all sides of the property. No public hearing required, no publication in the newspaper required.

Wetlands Permit - All Zoning Districts shall notice all abutting property owners. Public hearing notice must be published in the newspaper.

2. The Director of Planning will prepare a Public Notice. The applicant and or professional will review, sign, date and return to the Planning Department Secretary. If there are any changes necessary, please edit and return for corrections. The corrections will be made and emailed back to the applicant who will forward it to the Journal Newspaper, when applicable.

If notification to the newspaper is not required, please continue to #3.



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You may email your public notice to legals@lohud.com. Please request an affidavit of publication which must be submitted to the Planning Board secretary prior to the public hearing. The Journal News requires three days prior notice before 12 noon, not counting weekends and holidays, for ad placement. Make sure the notice placement of the ad in the Greater Westchester Area. This notice cannot be published any sooner than 20 days prior to the meeting and must be published no less than 10 days prior to the meeting.

If you have any questions regarding your publication you may call 888-516-9220:
Email Address: legals@lohud.com

It is suggested that you purchase the newspaper for your records the day the notice is published.

3. Send out the Public Hearing Notice/ Neighbor Notification by First Class Mail. Notice shall be mailed by the applicant in official envelopes provided by the North Castle Planning Department; the list of noticed neighbors will be prepared by the Assessor's Office. This must be sent out no less than 10 days prior to the meeting and no more than 20 days prior to the meeting date. A Certificate of Mailing (PS Form 3817 or 3877) shall be filled out and post marked by the Post Office on the day of mailing. Neighbor Notifications – no publication in the newspaper required.
4. The Friday before the meeting or no later than 12:00 p.m. the day of the meeting the following **must** be submitted.
 - List of Neighbors prepared by the Assessor's Office
 - Certificate of Mailing – PS form 3817 or 3877 post marked by the US Post Office
 - Affidavit of publication from the Newspaper (only if published in the newspaper)



Firm Mailing Book For Accountable Mail

Name and Address of Sender		Check type of mail or service		Affix Stamp Here (if issued as an international certificate of mailing or for additional copies of this receipt). Postmark with Date of Receipt.															
USPS Tracking/Article Number		<input type="checkbox"/> Adult Signature Required <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery (COD) <input type="checkbox"/> Insured Mail <input type="checkbox"/> Priority Mail		<input type="checkbox"/> Priority Mail Express <input type="checkbox"/> Registered Mail <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation <input type="checkbox"/> Signature Confirmation Restricted Delivery		Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee	
1.																			
2.																			
3.																			
4.																			
5.																			
6.																			
7.																			
8.																			
Total Number of Pieces Listed by Sender		Total Number of Pieces Received at Post Office		Postmaster, Per (Name of receiving employee)															



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**APPLICATIONS REQUIRING PLANNING BOARD APPROVAL
SCHEDULE OF APPLICATION FEES**

<u>Type of Application</u>	<u>Application Fee</u>
Site Development Plan	\$200.00
Each proposed Parking Space	\$10
Special Use Permit (each)	\$200 (each)
Preliminary Subdivision Plat	\$300 1 st Lot \$200 (each additional lot)
Final Subdivision Plat	\$250 1 st Lot \$100 (each additional lot)
Tree Removal Permit	\$75
Wetlands Permit	\$50 (each)
Short Environmental Assessment Form	\$50
Long Environmental Assessment Form	\$100
Recreation Fee	\$10,000 Each Additional Lot
Discussion Fee	\$200.00
Prior to submission of a sketch or preliminary subdivision Plat, an applicant or an applicant's representative wishes to discuss a subdivision proposal to the Planning Board, a discussion fee of \$200.00 shall be submitted for each informal appearance before the board.	

Any amendment to previously approved applications requires new application forms and Fes



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PLANNING BOARD SCHEDULE OF ESCROW ACCOUNT DEPOSITS

<u>Type of Application Deposit*</u>	<u>Amount of Initial Escrow Account</u>
Concept Study	\$500.00
Site Plan Waiver for Change of Use	\$500.00
Site Development Plan for:	
Multifamily Developments	\$3,000.00 plus \$100.00 per proposed dwelling unit
Commercial Developments	\$3,000.00 plus \$50.00 for each required parking space
1 or 2 Family Projects	\$2,000.00
Special Use Permit	\$2,000.00 plus \$50.00 for each required parking space
Subdivision:	
Lot Line Change resulting in no new lots	\$1,500.00
All Others	\$3,000.00 plus \$200.00 per proposed new lot in excess of two (2)
Preparation or Review of Environmental Impact Statement	\$15,000.00

- * If a proposed action involves multiple approvals, a single escrow account will be established. The total amount of the initial deposit shall be the sum of the individual amounts indicated. When the balance in such escrow account is reduced to one-third (1/3) of its initial amount, the applicant shall deposit additional funds into such account to restore its balance to the amount of the initial deposit.

Applicant Signature

Date:

10/9/20

I. IDENTIFICATION OF PROPERTY OWNER, APPLICANT AND PROFESSIONAL REPRESENTATIVES

Name of Property Owner: <u>Jonathan Bennis</u>		
Mailing Address: <u>250 East Middle Patent Road, Bedford, NY 10506</u>		
Telephone: _____	Fax: _____	e-mail <u>jbennis@iconinteriors.com</u>
Name of Applicant (if different): _____		
Address of Applicant: _____		
Telephone: _____	Fax: _____	e-mail _____
Interest of Applicant, if other than Property Owner: _____		
Is the Applicant (if different from the property owner) a Contract Vendee? Yes <input type="checkbox"/> No <input type="checkbox"/>		
If yes, please submit affidavit stating such. If no, application cannot be reviewed by Planning Board		
Name of Professional Preparing Site Plan: <u>Hudson Engineering & Consulting, P.C. - Michael Stein, P.E.</u>		
Address: <u>45 Knollwood Road, Suite 201</u>		
Telephone: <u>(914) 909-0420</u>	Fax: _____	e-mail <u>michael@hudsonec.com</u>
Name of Other Professional: <u>Shoreline Pools - Max Mosello</u>		
Address: <u>393 West Avenue, Stamford, CT 06902</u>		
Telephone: <u>(203) 967-1203</u>	Fax: _____	e-mail <u>mmosello@shorelinepools.com</u>
Name of Attorney (if any): _____		
Address: _____		
Telephone: _____	Fax: _____	e-mail _____

Applicant Acknowledgement

By making this application, the undersigned Applicant agrees to permit Town officials and their designated representatives to conduct on-site inspections in connection with the review of this application.

The Applicant also agrees to pay all expenses for the cost of professional review services required for this application.

It is further acknowledged by the Applicant that all bills for the professional review services shall be mailed to the Applicant, unless the Town is notified in writing by the Applicant at the time of initial submission of the application that such mailings should be sent to a designated representative instead.

Signature of Applicant: _____

Date: 10/9/20

Signature of Property Owner: _____

Date: 10/9/20

MUST HAVE BOTH SIGNATURES

II. IDENTIFICATION OF SUBJECT PROPERTY

Street Address: 250 East Middle Patent Road

Location (in relation to nearest intersecting street):

1,900 feet (north, south, east or west) of Northeast

Abutting Street(s): Cedar Hill Road

Tax Map Designation (NEW): Section 95.02 Block 2 Lot 10

Tax Map Designation (OLD): Section _____ Block _____ Lot _____

Zoning District: R-4A Total Land Area 145,054.8

Land Area in North Castle Only (if different) _____

Fire District(s) Banksville FD School District(s) Bedford

Is any portion of subject property abutting or located within five hundred (500) feet of the following:

The boundary of any city, town or village?

No ☒ Yes (adjacent) _____ Yes (within 500 feet) _____

If yes, please identify name(s): _____

The boundary of any existing or proposed County or State park or any other recreation area?

No ☒ Yes (adjacent) _____ Yes (within 500 feet) _____

The right-of-way of any existing or proposed County or State parkway, thruway, expressway, road or highway?

No ☒ Yes (adjacent) _____ Yes (within 500 feet) _____

The existing or proposed right-of-way of any stream or drainage channel owned by the County or for which the County has established channel lines?

No _____ Yes (adjacent) ☒ Yes (within 500 feet) _____

The existing or proposed boundary of any county or State owned land on which a public building or institution is situated?

No ☒ Yes (adjacent) _____ Yes (within 500 feet) _____

The boundary of a farm operation located in an agricultural district?

No ☒ Yes (adjacent) _____ Yes (within 500 feet) _____

Does the Property Owner or Applicant have an interest in any abutting property?

No ☒ Yes _____

If yes, please identify the tax map designation of that property:

III. DESCRIPTION OF PROPOSED DEVELOPMENT

Proposed Use: Construction of a pool and accompanying stormwater system

Gross Floor Area: Existing NA S.F. Proposed S.F.

Proposed Floor Area Breakdown:

Retail S.F.; Office S.F.;

Industrial S.F.; Institutional S.F.;

Other Nonresidential S.F.; Residential N/A S.F.;

Number of Dwelling Units:

Number of Parking Spaces: Existing Required Proposed NA

Number of Loading Spaces: Existing Required Proposed NA

Earthwork Balance: Cut C.Y. Fill C.Y.

Will Development on the subject property involve any of the following:

Areas of special flood hazard? No ☒ Yes

(If yes, application for a Development Permit pursuant to Chapter 177 of the North Castle Town Code may also be required)

Trees with a diameter at breast height (DBH) of 8" or greater?

No ☒ Yes

(If yes, application for a Tree Removal Permit pursuant to Chapter 308 of the North Castle Town Code may also be required.)

Town-regulated wetlands? No ☒ Yes

(If yes, application for a Town Wetlands Permit pursuant to Chapter 340 of the North Castle Town Code may also be required.)

State-regulated wetlands? No ☒ Yes

(If yes, application for a State Wetlands Permit may also be required.)

IV. SUBMISSION REQUIREMENTS

The site development plan application package shall include all materials submitted in support of the application, including but not limited to the application form, plans, reports, letters and SEQR Environmental Assessment Form. **Submission of the following shall be required:**

- One (1) set of the site development plan application package (for distribution to the Town Planner for preliminary review purposes).
- Once a completed preliminary site plan checklist has been received from the Planning Department, eight (8) additional sets of the site development plan application package (for distribution to Planning Board, Town Engineer, Town Attorney, Town Planner, Planning Board Secretary, police, fire department and ambulance corps).
- One (1) additional reduced sized set (11" x 17") of the site development plan application package if any portion of the subject property abuts or is located within five hundred (500) feet of the features identified in Section II of this application form (for distribution to Westchester County Planning Board).
- A check for the required application fee and a check for the required Escrow Account, both made payable to "Town of North Castle" in the amount specified on the "Schedule of Application Fees."

(continued next page)

V. INFORMATION TO BE INCLUDED ON SITE DEVELOPMENT PLAN

The following checklist is provided to enable the Applicant to determine if he/she has provided enough information on the site development plan for the Planning Board to review his/her proposal. Applicants are advised to review ARTICLE VIII, Site Development Plan of the North Castle Town Code for a complete enumeration of pertinent requirements and standards prior to making application for site development plan approval.

The application for site development plan approval will not be accepted for Planning Board review unless all items identified below are supplied and **so indicated with a check mark in the blank line provided**. If a particular item is not relevant to the subject property or the development proposal, **the letters "NA" should be entered instead**. In addition, the project will not be scheduled on a Planning Board agenda until the Applicant receives an initialed "site plan checklist" from the Planning Department.

The information to be included on a site development plan shall include:

Legal Data:

- ☒ Name of the application or other identifying title.
- ☒ Name and address of the Property Owner and the Applicant, (if different).
- ☒ Name, address and telephone number of the architect, engineer or other legally qualified professional who prepared the plan.
- ☒ Names and locations of all owners of record of properties abutting and directly across any and all adjoining streets from the subject property, including the tax map designation of the subject property and abutting and adjoining properties, as shown on the latest tax records.
- ☒ Existing zoning, fire, school, special district and municipal boundaries.
- ☒ Size of the property to be developed, as well as property boundaries showing dimensions and bearings as determined by a current survey; dimensions of yards along all property lines; name and width of existing streets; and lines of existing lots, reservations, easements and areas dedicated to public use.
- ☐ NA Reference to the location and conditions of any covenants, easements or deed restrictions that cover all or any part of the property, as well as identification of the document where such covenants, easements or deed restrictions are legally established.
- ☒ Schedule of minimum zoning requirements, as well as the plan's proposed compliance with those requirements, including lot area, frontage, lot width, lot depth, lot coverage, yards, off-street parking, off-street loading and other pertinent requirements.
- ☒ Locator map, at a convenient scale, showing the Applicant's entire property in relation to surrounding properties, streets, etc., within five hundred (500) feet of the site.
- ☒ North arrow, written and graphic scales, and the date of the original plan and all revisions, with notation identifying the revisions.

☐ Not on plan A signature block for Planning Board endorsement of approval.

Existing Conditions Data:

- ☒ Location of existing use and design of buildings, identifying first floor elevation, and other structures.
- NA Location of existing parking and truck loading areas, with access and egress drives thereto.
- NA Location of existing facilities for water supply, sanitary sewage disposal, storm water drainage, and gas and electric service, with pipe sizes, grades, rim and inverts, direction of flow, etc. indicated.
- ☒ Location of all other existing site improvements, including pavement, walks, curbing, retaining walls and fences.
- NA Location, size and design of existing signs.
- NA Location, type, direction, power and time of use of existing outdoor lighting.
- NA Location of existing outdoor storage, if any.
- ☒ Existing topographical contours with a vertical interval of two (2) feet or less.
- ☒ Location of existing floodplains, wetlands, slopes of 15% or greater, wooded areas, landscaped areas, single trees with a DBH of 8" or greater, rock outcrops, stone walls and any other significant existing natural or cultural features.

Proposed Development Data:

- NA Proposed location of lots, streets, and public areas, and property to be affected by proposed easements, deed restrictions and covenants.
- NA Proposed location, use and architectural design of all buildings, including proposed floor elevations and the proposed division of buildings into units of separate occupancy.
- NA Proposed means of vehicular and pedestrian access to and egress from the site onto adjacent streets.
- NA Proposed sight distance at all points of vehicular access.
- NA Proposed number of employees for which buildings are designed
- NA Proposed streets, with profiles indicating grading and cross-sections showing the width of the roadway; the location and width of sidewalks; and the location and size of utility lines.
- NA Proposed location and design of any pedestrian circulation on the site and off-street parking and loading areas, including handicapped parking and ramps, and including details of construction, surface materials, pavement markings and directional signage.
- ☒ Proposed location and design of facilities for water supply, sanitary sewage disposal, storm water drainage, and gas and electric service, with pipe sizes, grades, rim and inverts, direction of flow, etc. indicated.

- ☒ Proposed location of all structures and other uses of land, such as walks, retaining walls, fences, designated open space and/or recreation areas and including details of design and construction.
- NA Location, size and design of all proposed signs.
- NA Location, type, direction, power and time of use of proposed outdoor lighting.
- NA Location and design of proposed outdoor garbage enclosure.
- NA Location of proposed outdoor storage, if any.
- NA Location of proposed landscaping and buffer screening areas, including the type (scientific and common names), size and amount of plantings.
- NA Type of power to be used for any manufacturing
- NA Type of wastes or by-products to be produced and disposal method
- NA In multi-family districts, floor plans, elevations and cross sections
- NA The proposed location, size, design and use of all temporary structures and storage areas to be used during the course of construction.
- ☒ Proposed grade elevations, clearly indicating how such grades will meet existing grades of adjacent properties or the street.
- ☒ Proposed soil erosion and sedimentation control measures.
- NA For all proposed site development plans containing land within an area of special flood hazard, the data required to ensure compliance with Chapter 177 of the North Castle Town Code.
- NA For all proposed site development plans involving clearing or removal of trees with a DBH of 8" or greater, the data required to ensure compliance with Chapter 308 of the North Castle Town Code.
- NA For all proposed site development plans involving disturbance to Town-regulated wetlands, the data required to ensure compliance with Chapter 340 of the North Castle Town Code.

Short Environmental Assessment Form

Part 1 - Project Information

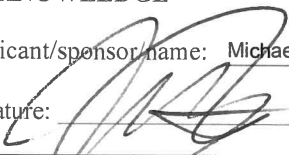
Instructions for Completing

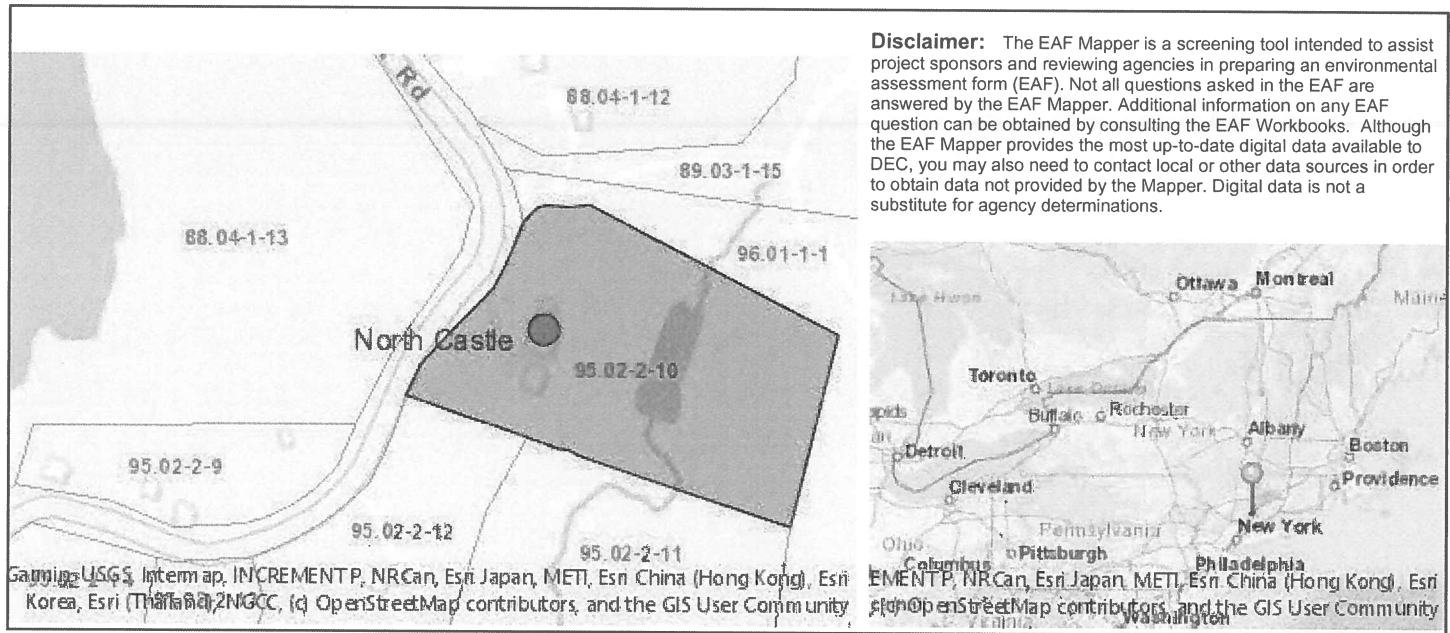
Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 – Project and Sponsor Information			
Name of Action or Project: Proposed Pool & Alterations - 250 East Middle Patent Road			
Project Location (describe, and attach a location map): 250 East Middle Patent Road, Bedford NY 10506			
Brief Description of Proposed Action: Proposed construction of a pool and accompanying stormwater system.			
Name of Applicant or Sponsor: Michael Stein, P.E. - Hudson Engineering & Consulting, P.C.		Telephone: 914-909-0420	
		E-Mail: michael@hudsonec.com	
Address: 45 Knollwood Road, Suite 201			
City/PO: Elmsford		State: New York	Zip Code: 10523
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.			NO <input checked="" type="checkbox"/>
			YES <input type="checkbox"/>
2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval:			NO <input checked="" type="checkbox"/>
			YES <input type="checkbox"/>
3. a. Total acreage of the site of the proposed action?		3.33 acres	
b. Total acreage to be physically disturbed?		.256 acres	
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?		3.33 acres	
4. Check all land uses that occur on, are adjoining or near the proposed action:			
5. <input type="checkbox"/> Urban <input type="checkbox"/> Rural (non-agriculture) <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential (suburban)			
<input type="checkbox"/> Forest <input type="checkbox"/> Agriculture <input type="checkbox"/> Aquatic <input type="checkbox"/> Other(Specify):			
<input type="checkbox"/> Parkland			

5. Is the proposed action,	NO	YES	N/A
a. A permitted use under the zoning regulations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Consistent with the adopted comprehensive plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area?	NO	YES	
If Yes, identify: _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. a. Will the proposed action result in a substantial increase in traffic above present levels?	NO	YES	
b. Are public transportation services available at or near the site of the proposed action?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9. Does the proposed action meet or exceed the state energy code requirements?	NO	YES	
If the proposed action will exceed requirements, describe design features and technologies: _____ _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. Will the proposed action connect to an existing public/private water supply?	NO	YES	
If No, describe method for providing potable water: _____ Proposed action does not require connection to water supply.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Will the proposed action connect to existing wastewater utilities?	NO	YES	
If No, describe method for providing wastewater treatment: _____ Proposed action does not require connection to wastewater utilities.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ _____ _____			

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply: <input type="checkbox"/> Shoreline <input type="checkbox"/> Forest <input type="checkbox"/> Agricultural/grasslands <input type="checkbox"/> Early mid-successional <input type="checkbox"/> Wetland <input type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban		
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16. Is the project site located in the 100-year flood plan?	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17. Will the proposed action create storm water discharge, either from point or non-point sources? If Yes, a. Will storm water discharges flow to adjacent properties? b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe: _____ Runoff will be collected and conveyed to a comprehensive drainage system and exfiltrated back into surrounding soils _____	NO	YES
	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)? If Yes, explain the purpose and size of the impoundment: _____ _____	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? If Yes, describe: _____ _____	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe: _____ _____	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE Applicant/sponsor name: <u>Michael Stein, P.E.</u> Date: <u>August 28, 2020</u> Signature:  Title: <u>President</u>		



Part 1 / Question 7 [Critical Environmental Area]	No
Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites]	No
Part 1 / Question 12b [Archeological Sites]	No
Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
Part 1 / Question 15 [Threatened or Endangered Animal]	No
Part 1 / Question 16 [100 Year Flood Plain]	No
Part 1 / Question 20 [Remediation Site]	No

STORMWATER MANAGEMENT PLAN & DRAINAGE ANALYSIS

**250 East Middle Patent Road
Town of North Castle - New York**

August 28, 2020



Hudson Engineering & Consulting, P.C.

*45 Knollwood Road - Suite 201
Elmsford, NY 10523
(914) 909-0420*

**STORMWATER MANAGEMENT
PLAN & DRAINAGE ANALYSIS
250 East Middle Patent Road
Town of North Castle - New York**

INTRODUCTION

This Stormwater Management Plan presents the proposed Best Management Practices (BMPs) to control erosion and sedimentation and manage stormwater during and upon construction of a single family dwelling on a 3.33 Acre lot at 250 East Middle Patent Road [SBL:95.02-2-10] in the Town of North Castle, Westchester County, New York.

This Plan consists of this narrative and a plan set entitled: "Proposed Pool & Alterations, 250 East Middle Patent Road, Town of North Castle, Westchester County - New York", all as prepared by Hudson Engineering and Consulting, P.C., Elmsford, New York, latest date August 28, 2020. The design is in accordance with the Town of North Castle's requirements. The approximate area of the limits of disturbance is 0.256-acres. Since the project disturbance is less than one acre the New York State Department of Environmental Conservation [NYSDEC] stormwater regulations are not applicable.

METHODOLOGY

The stormwater analysis was developed utilizing the Soil Conservation Service (SCS) TR-20, 24-hour Type III storm events (HydroCad®) to assist with the design of the mitigating practices. The "Complex Number" (CN) value determination is based on soil type, vegetation and land use. The design is in accordance with the Village of Larchmont's stormwater regulations. The "Time of Concentration" (T_c) was determined as a direct entry of one-minute. The CN and T_c data are input into the computer model. The project site was modeled for the 25-year Type III – 24-hour storm event.

PRE-DESIGN INVESTIGATIVE ANALYSIS

A pre-design investigative analysis was performed including percolation and deep hole tests in the locations shown on the plans. A series of percolation tests were performed in the vicinity of the potential stormwater mitigation practice [TP-2] until constant rates were achieved, the results are as follows:

- TP-2: A percolation rate of 2.33-minutes per inch (25-inches per hour) was observed. A percolation rate of 15 inches per hour was utilized in the design.

Two (2) deep test holes were excavated and labeled TP-1 and TP-2 as shown on the plans.

- TP-1 was excavated to a depth of 19-inches. The test revealed topsoil to a depth of 12-inches, and brown sandy loam to the invert. No groundwater was observed. Ledge rock was encountered at a depth of 19-inches.
- TP-2 was excavated to a depth of 57-inches. The test revealed topsoil to a depth of 8-inches, brown sandy loam to a depth of 24-inches, silty loam to a depth of 44-inches and brown sandy loam to the invert. No groundwater was observed. Ledge rock was encountered at a depth of 57-inches.

The deep test hole log and percolation test data sheets are attached.

PRE-DEVELOPED CONDITION

In the pre-developed condition, the site is characterized as sloping from northwest to southeast. The soil classification based upon Westchester County Soils Mapping is primarily Charlton-Chatfield complex, 0 to 15 percent slopes and 15 to 35 percent slopes. The site vegetation can be characterized as lawn and landscaped. The site is located on the eastern side of East Middle Patent Road. The site consists of an existing dwelling, garage, walkways, deck and patio and retaining walls.

POST-DEVELOPED CONDITION

The proposed pool was modeled as one watershed, Watershed 1. Watershed 1 was analyzed as follows:

Watershed 1 contains approximately 973 square feet of impervious area consisting of the proposed pool. The weighted Complex Number (CN) value for this area is 98 and the Time of Concentration (Tc) is calculated as a direct entry of 1 minute. The stormwater runoff from this tributary area is conveyed via a comprehensive drainage system to Three (3) Cultec® 100HD Contactor stormwater chambers set in one foot of gravel at the sides and twelve inches of gravel at the invert. The system is designed to fully accept (no release) the entire stormwater runoff volume for the 25-year storm event from the watershed and ex-filtrate the runoff into the surrounding soil sub-strata.

CONCLUSION:

The stormwater management plan meets all the requirements set forth by the Town of North Castle. Design modification requirements that may occur during the approval process will be performed and submitted for review to the Town of North Castle

Hydrologic Soil Group—Westchester County, New York



MAP LEGEND

Area of Interest (AOI)









 Area of Interest (AOI)

Soils

Soil Rating Polygons





 A
 A/D
 B
 B/D
 C
 C/D
 D
 Not rated or not available

Soil Rating Lines

 A
 A/D
 B
 B/D
 C
 C/D
 D
 Not rated or not available

Soil Rating Points





 A
 A/D
 B
 B/D

 C
 C/D
 D
 Not rated or not available


Water Features

 Streams and Canals

Transportation

 Rails
 Interstate Highways
 US Routes
 Major Roads
 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Westchester County, New York
 Survey Area Data: Version 16, Jun 11, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 31, 2009—Oct 16, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
CrC	Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky	B	2.0	42.2%
CsD	Chatfield-Charlton complex, 15 to 35 percent slopes, very rocky	B	1.4	29.8%
Sh	Sun loam	C/D	1.4	28.1%
Totals for Area of Interest			4.8	100.0%

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher



HUDSON
ENGINEERING
&
CONSULTING, P.C.

SITE ADDRESS: 250 E. Middle Patent Road

TOWN/VILLAGE: Bedford

DATE: 08-06-2020 TIME: 10:45am

WEATHER: Cloudy TEMP. 73° F

WITNESSED BY: Nicholas Shirriah

DEEP TEST HOLE DATA SHEET – STORMWATER MANAGEMENT SYSTEM

DEPTH	HOLE NO. <u>1</u>	HOLE NO. <u>2</u>	HOLE NO. <u>3</u>	HOLE NO. <u>4</u>
G.L.	0 – 12" Topsoil	0 – 8" Topsoil		
6"				
12"				
18"	12 – 19"			
24"	Medium brown	8 – 24"		
30"	Loam	Medium brown		
36"		Loam		
42"	Ledge at 19"			
48"	No GW	24 – 44"		
54"		Medium brown		
60"		Clay loam mix		
66"				
72"		44 – 57"		
78"		Brown & Grey		
84"		Sand		
90"				
96"		Ledge at 57"		
102"		No GW		
108"				

- Indicate level at which Ground Water (GW), Mottling and/or Ledge Rock is encountered.
- Indicate level for which water level rises after being encountered.

EXCAVATION PERFORMED BY: Lombardozzi Contracting



HUDSON
ENGINEERING
&
CONSULTING, P.C.

SITE ADDRESS: 250 E. Middle Patent Road

TOWN/VILLAGE: Bedford

DATE: 08-06-2020 TIME: 11:35am

WEATHER: Partly Cloudy TEMP. 73° F

WITNESSED BY: Nicholas Shirriah

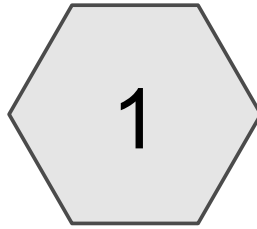
PERCOLATION TEST HOLE DATA SHEET – STORMWATER MANAGEMENT SYSTEM

Owner

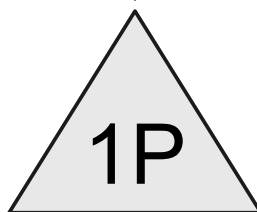
HOLE #	CLOCK TIME				PERCOLATION				
Hole Number	Run No.	Start	Stop	Elapse Time (Min.)	Depth to Water From Ground Surface		Water Level in Inches Drop in inches	Soil Rate	
					Start Inches	Stop Inches		Min. per inch	Inches per Hour
# <u>2</u> 4" Ø	1	12:12	12:18	6	36	39	3	2	30
	2	12:18	12:24	6	36	39	3	2	30
	3	12:24	12:31	7	36	39	3	2.33	25
	4	12:32	12:39	7	36	39	3	2.33	25
	5								
# <u> </u> " Ø	1								
	2								
	3								
	4								
	5								
# <u> </u> " Ø	1								
	2								
	3								
	4								
	5								

Notes:

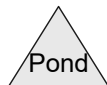
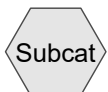
- 1) Tests to be repeated at the same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
- 2) Depth measurements to be made from top of hole



Proposed Pool



3 Cultec 100HD
Contactor



Routing Diagram for Proposed Condition

Prepared by Hudson Engineering & Consulting, P.C., Printed 8/28/2020
HydroCAD® 10.00-12 s/n 02549 © 2014 HydroCAD Software Solutions LLC

Proposed Condition

Type III 24-hr 25-Year Rainfall=6.47"

Prepared by Hudson Engineering & Consulting, P.C.

Printed 8/28/2020

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Page 2

Summary for Subcatchment 1: Proposed Pool

Runoff = 0.17 cfs @ 12.01 hrs, Volume= 0.012 af, Depth= 6.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
Type III 24-hr 25-Year Rainfall=6.47"

Area (sf)	CN	Description
* 973	98	Proposed Pool
973		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.0					Direct Entry, Direct Entry

Summary for Pond 1P: 3 Cultec 100HD Contactor

Inflow Area = 0.022 ac, 100.00% Impervious, Inflow Depth = 6.23" for 25-Year event
 Inflow = 0.17 cfs @ 12.01 hrs, Volume= 0.012 af
 Outflow = 0.05 cfs @ 11.75 hrs, Volume= 0.012 af, Atten= 73%, Lag= 0.0 min
 Discarded = 0.05 cfs @ 11.75 hrs, Volume= 0.012 af

Routing by Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
 Peak Elev= 1.35' @ 12.29 hrs Surf.Area= 133 sf Storage= 69 cf

Plug-Flow detention time= 5.9 min calculated for 0.012 af (100% of inflow)
 Center-of-Mass det. time= 5.9 min (745.3 - 739.4)

Volume	Invert	Avail.Storage	Storage Description
#1A	0.00'	42 cf	8.33'W x 10.00'L x 2.04'H Field A 170 cf Overall - 30 cf Embedded = 140 cf x 30.0% Voids
#2A	1.00'	30 cf	Cultec C-100HD x 2 Inside #1 Effective Size= 32.1"W x 12.0"H => 1.86 sf x 7.50'L = 14.0 cf Overall Size= 36.0"W x 12.5"H x 8.00'L with 0.50' Overlap Row Length Adjustment= +0.50' x 1.86 sf x 2 rows
#3B	0.00'	26 cf	5.00'W x 10.00'L x 2.04'H Field B 102 cf Overall - 15 cf Embedded = 87 cf x 30.0% Voids
#4B	1.00'	15 cf	Cultec C-100HD Inside #3 Effective Size= 32.1"W x 12.0"H => 1.86 sf x 7.50'L = 14.0 cf Overall Size= 36.0"W x 12.5"H x 8.00'L with 0.50' Overlap Row Length Adjustment= +0.50' x 1.86 sf x 1 rows
		113 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Storage Group B created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	15.000 in/hr Exfiltration over Surface area

Discarded OutFlow Max=0.05 cfs @ 11.75 hrs HW=0.02' (Free Discharge)↑ **1=Exfiltration** (Exfiltration Controls 0.05 cfs)

SHORELINE POOLS

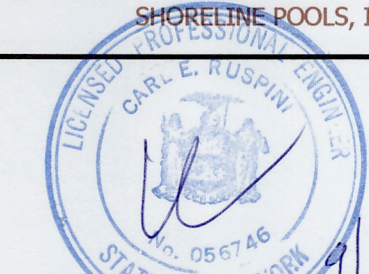
393 WEST AVE
STAMFORD, CT 06902
TEL. (203) 967-1203

LICENSES: NJ: 13VH02627600 CT: 0508652
Westchester: WC02092 Rockland: H-11107-26-00-00 Putnam: 1832

NOTES

1. THE ENGINEER IS RESPONSIBLE FOR THE CONTENTS OF THIS DRAWING ONLY AND NOT ANY OTHER DOCUMENTS SUBMITTED IN SUPPORT OF THIS APPLICATION. THE ENGINEER HAS NOT REVIEWED ZONING CRITERIA AND PERMITTING REQUIREMENTS AND SHALL BE INDEMNIFIED AGAINST ALL DAMAGES ARISING FROM NON COMPLIANCE WITH ZONING AND PERMITTING REQUIREMENTS.
2. THE POOL SHALL BE WIRED AND GROUNDED IN STRICT ACCORDANCE WITH NFPA-70 AND THE ADOPTED LOCAL ELECTRICAL CODE.
3. ELECTRICAL EQUIPMENT AND MATERIAL SHALL BE LISTED BY UNDERWRITERS LABORATORIES (U.L. - LISTED) FOR THE USE INTENDED. PANEL ENCLOSURES FOR OUTDOOR USE SHALL BE NEMA 2 IF EXPOSED TO PRECIPITATION ONLY, OR NEMA 4 IF EXPOSED TO CONCENTRATED SPRAY.
4. CONCRETE CYLINDER STRENGTH SHALL BE A MINIMUM OF 3000 PSI AFTER 28 DAYS. REINFORCING STEEL SHALL BE GRADE A-60.
5. THE ENGINEER HAS NOT REVIEWED SUBSURFACE CONDITIONS, UNLESS NOTED ON THESE PLANS. THE ENGINEER SHALL BE INDEMNIFIED AGAINST ALL DAMAGES ARISING FROM SUBSURFACE CONDITIONS.
6. LIGHTING W.P. RECEPTICLES, CIRCULATION PUMP(S), CHEMICALS FEEDER(S) AND ALL OTHER ELECTRICALLY POWERED EQUIPMENT SHALL BE MANUFACTURER APPROVED FOR SPA AND SWIMMING POOL USE AND SHALL BE WIRED AND GROUNDED BY A LICENSED ELECTRICIAN IN ACCORDANCE WITH THE MOST STRINGENT REQUIREMENTS OF THE MANUFACTURER, GOVERNING LOCAL ELECTRICAL CODE AND NFPA -70 (NATIONAL ELECTRICAL CODE NEC) LATEST EDITION.
7. ENGINEER IS RESPONSIBLE ONLY FOR THE STRUCTURAL PLANS SHOWN HEREIN. SITE ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN, CHOICE, INSTALLATION, AND FUNCTIONALITY OF ANY AND ALL MECHANICAL EQUIPMENT USED ON THIS PROJECT. MECHANICAL EQUIPMENT SKETCH SHOWN HEREIN IS TO BE USED FOR ILLUSTRATIVE PURPOSES ONLY AND IS NOT AN ENDORSEMENT OF ANY PARTICULAR MECHANICAL SYSTEM.
8. RETURNS, SKIMMERS, AND SUCTION GRATES MAY BE RELOCATED PER FIELD LAYOUT.
9. ALL SUBMERGED SUCTION OUTLETS TO BE SEPARATED BY A MINIMUM OF 36" AND TIED IN TOGETHER.
10. THIS POOL IS NOT APPROVED FOR DIVING.
11. THIS POOL HAS BEEN DESIGNED IN ACCORDANCE WITH ANSI/APSP/ICC-5 2011 STANDARD FOR RESIDENTIAL INGROUND SWIMMING POOLS AND 2015 INTERNATIONAL RESIDENTIAL CODE SECTIONS R326.4.1 THROUGH R326.4.3.
12. THIS SPA HAS BEEN DESIGNED IN ACCORDANCE WITH ANSI/NSPI-3-99 STANDARD FOR PERMANENTLY INSTALLED RESIDENTIAL SPAS.
13. THIS POOL AND SPA HAS BEEN DESIGNED IN ACCORDANCE WITH ANSI/APSP-7-06 STANDARD FOR SUCTION ENTRAPMENT AVOIDANCE IN SWIMMING POOLS, WADING POOLS, SPAS, HOT TUBS AND CATCH BASINS.
14. THE AUTOMATIC POOL COVER MEETS ASTM F 1346-91 (2003) PERFORMANCE SPECIFICATION FOR SAFETY COVERS AND LABELING REQUIREMENTS FOR ALL COVERS FOR SWIMMING POOLS, SPAS AND HOT TUBS.

THIS DRAWING IS THE PROPERTY OF SHORELINE POOLS, INC. UNDER NO CIRCUMSTANCE IS THIS DRAWING TO BE UTILIZED WITHOUT PROPER CONSENT FROM SHORELINE POOLS, INC.



CARL RUSPINI P.E.
CONSULTING ENGINEER
CT LIC No: 11426 NY LIC No: 056746

SWIMMING POOL DETAILS
FOR THE

BENNIS RESIDENCE
250 EAST MIDDLE PATENT ROAD
BEDFORD, NY

DRAWN BY:

LL

DATE:

9-10-2020

SCALE:

AS NOTED

DWG LOCATION:

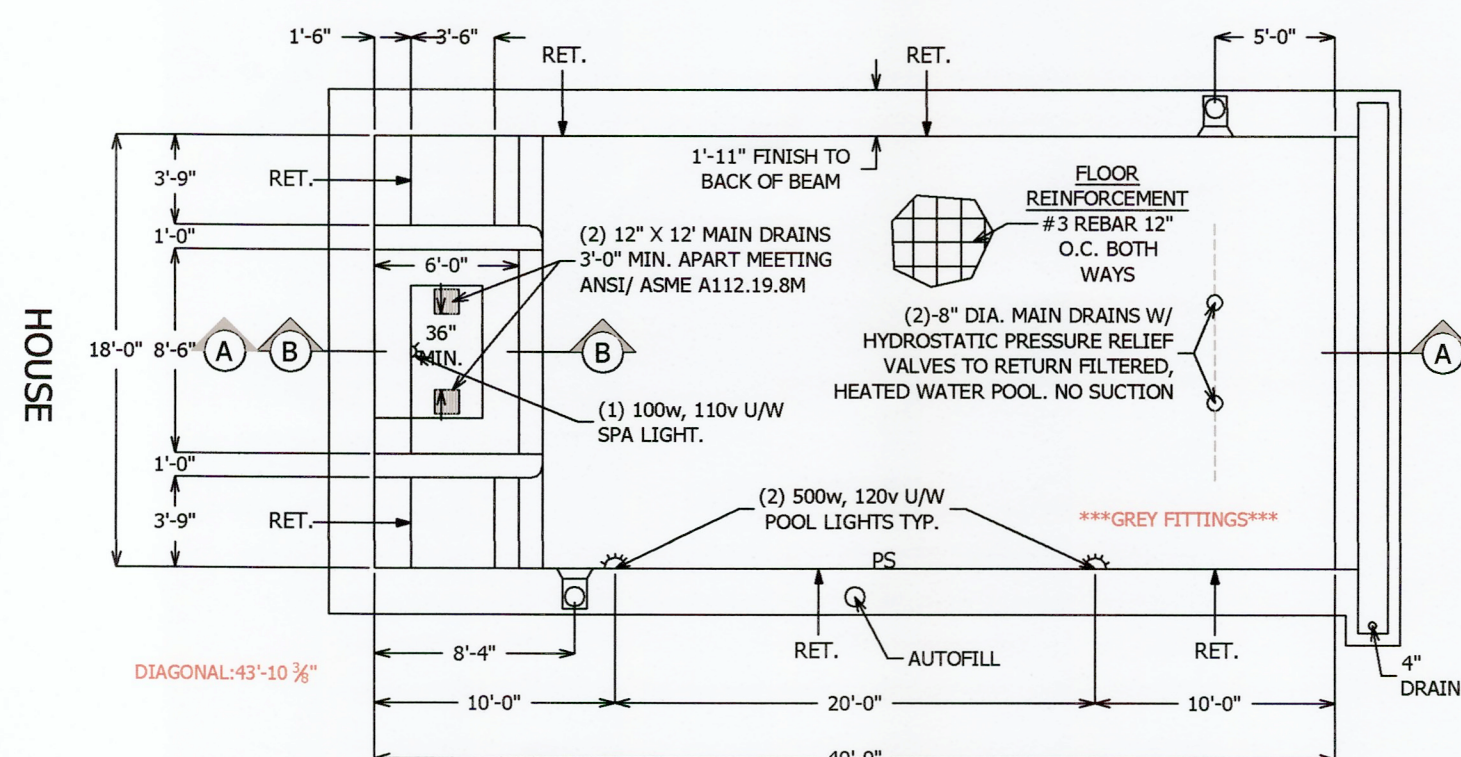
2020 NY P & S

FILE NUMBER:

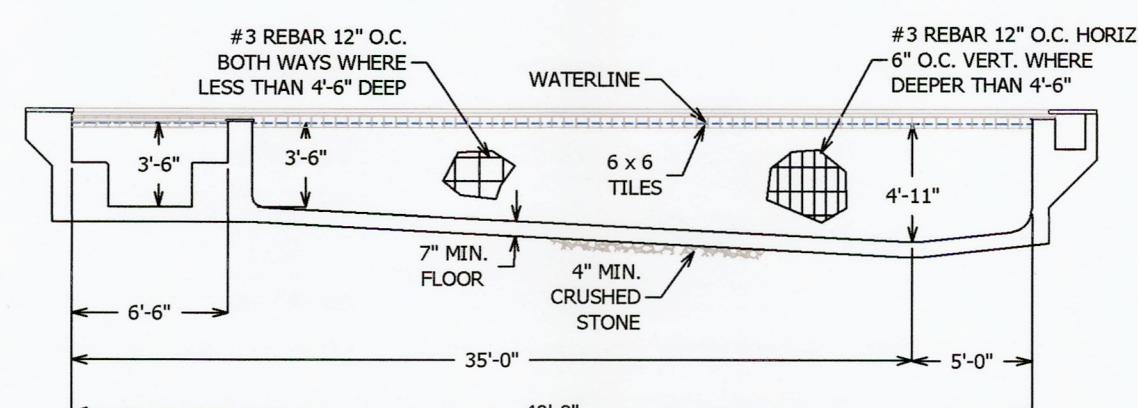
20-025-JUL

DWG:

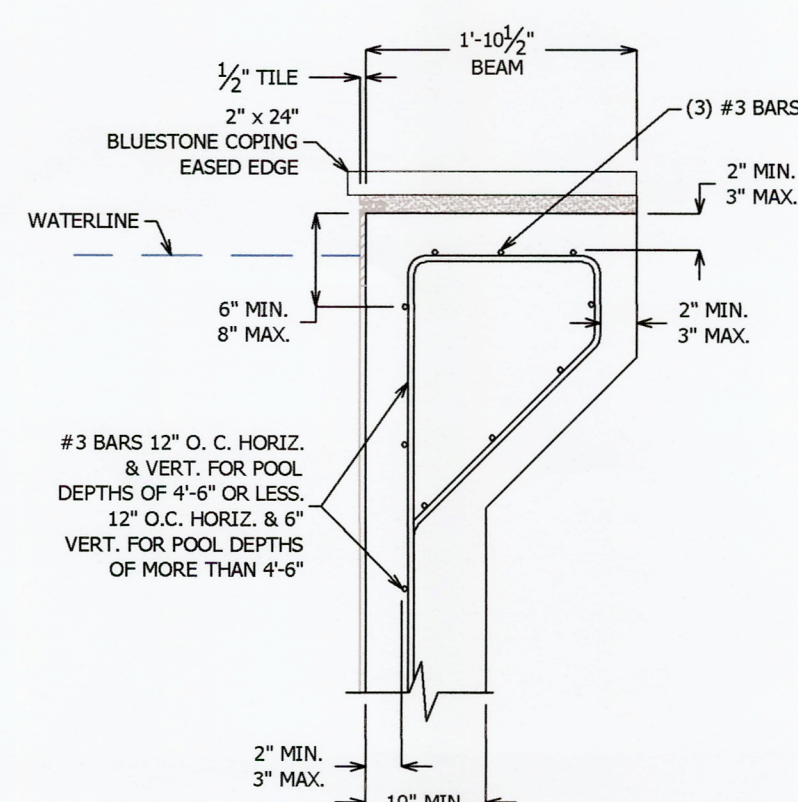
S-1



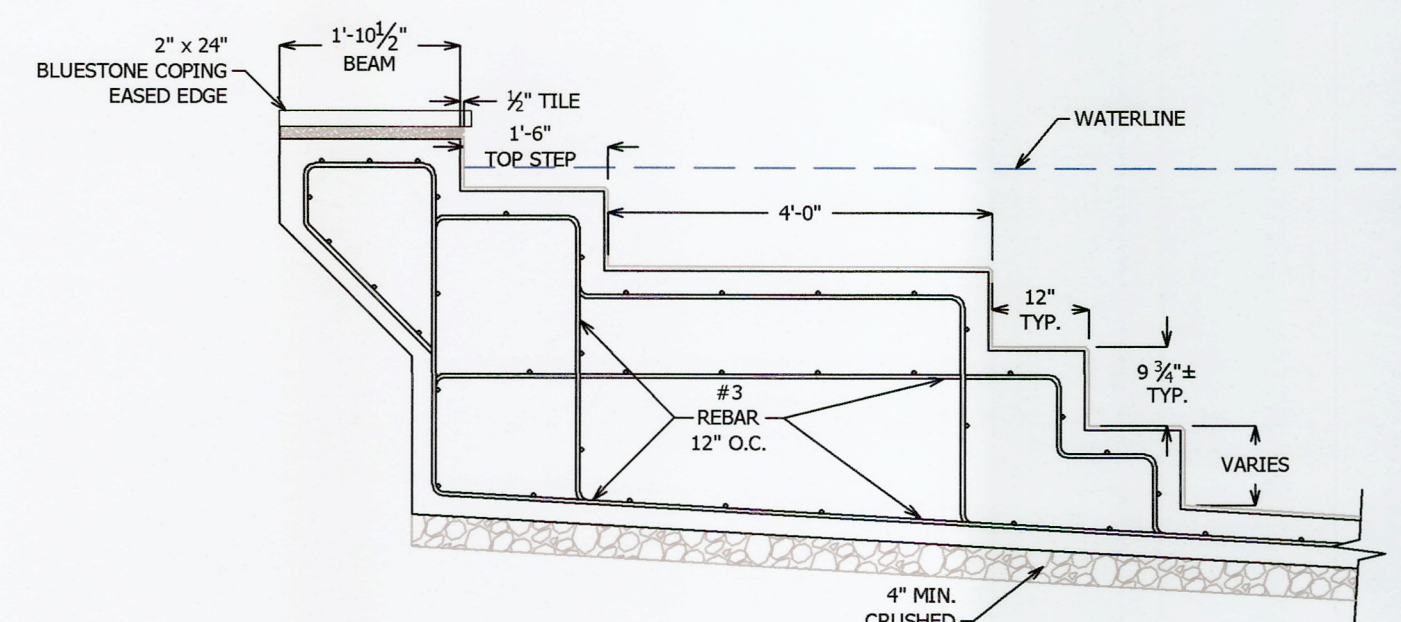
① PLAN VIEW
 $\frac{1}{8}'' = 1'-0''$



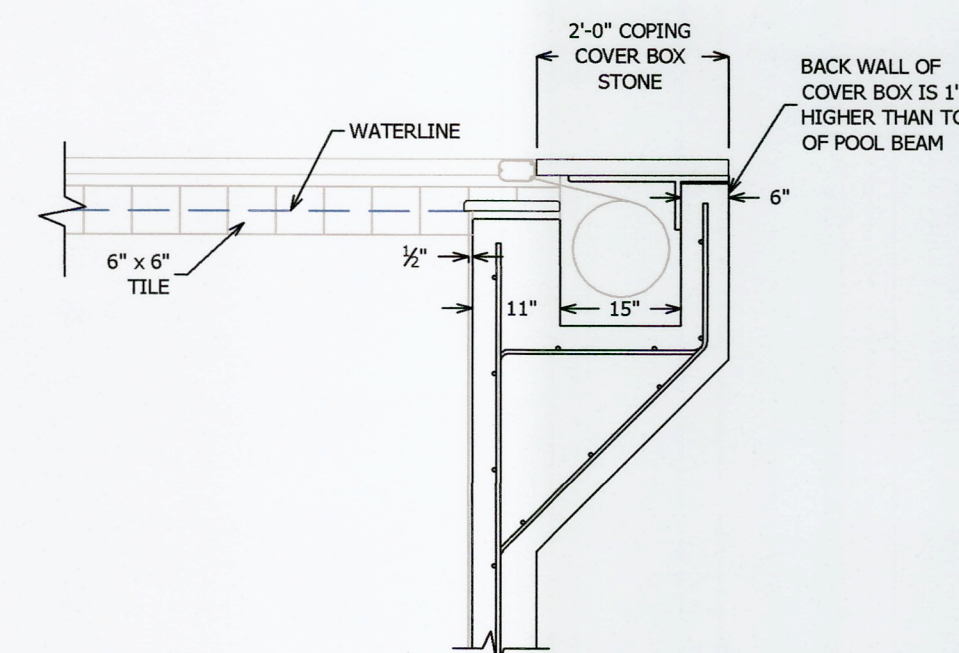
② SECTION "A-A"
 $\frac{1}{8}'' = 1'-0''$



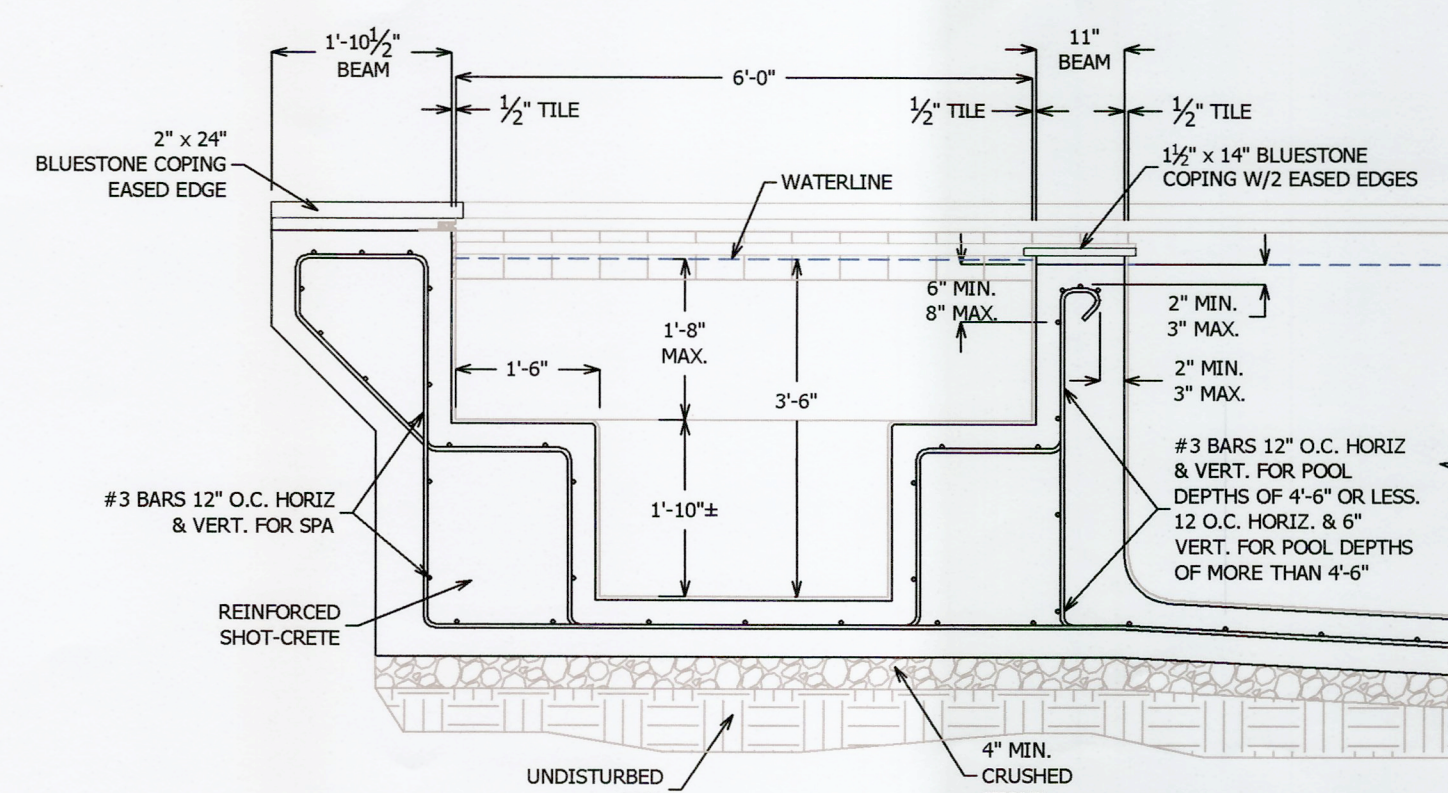
③ TYP. BEAM DETAIL
 $\frac{3}{4}'' = 1'-0''$



④ TYP. SEC @ STEPS
 $\frac{1}{2}'' = 1'-0''$



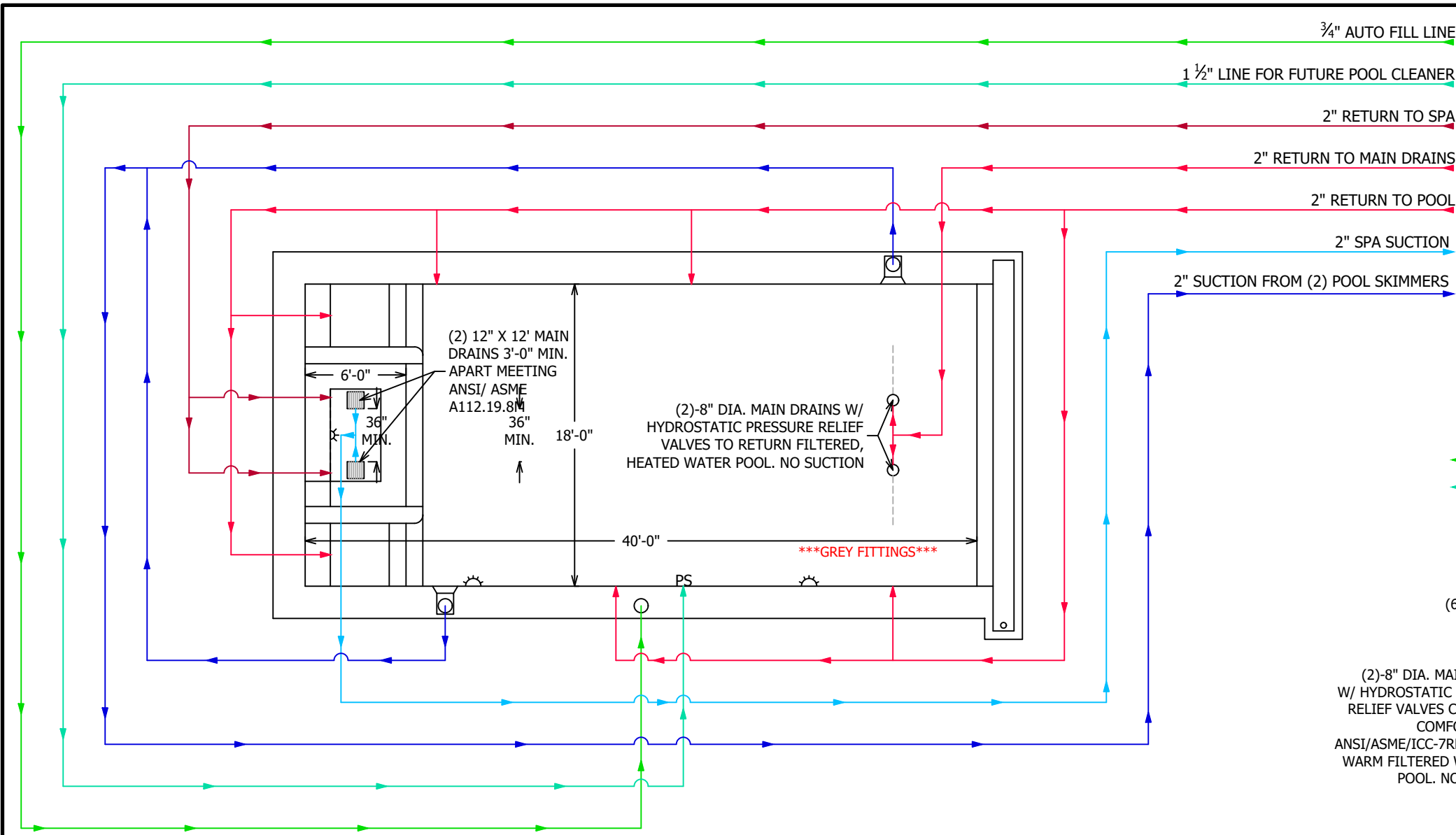
⑤ TYP. SEC. @ COVERBOX
 $\frac{1}{2}'' = 1'-0''$



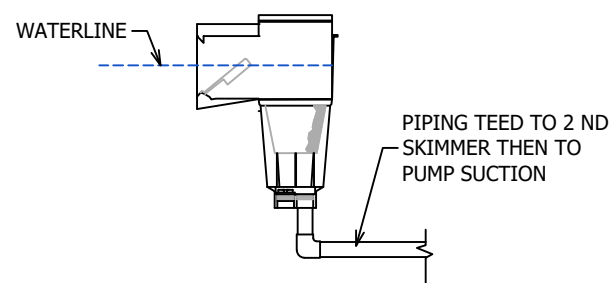
⑥ SECTION "B-B"
 $\frac{1}{2}'' = 1'-0''$

POOL AREA = 720 SQ. FT.
POOL PERIM. = 116 LF.
SPA AREA = 51 SQ. FT.
SPA PERIM. = 29 LF.

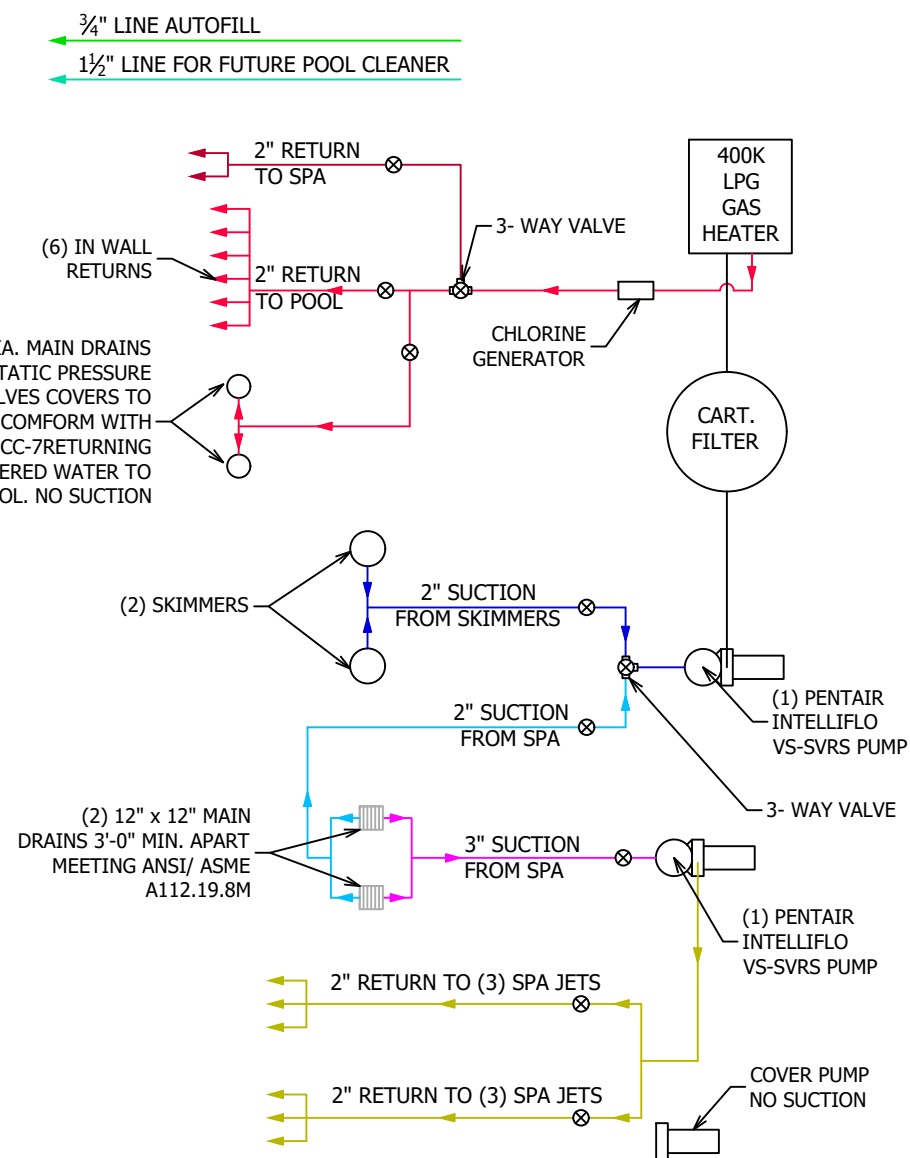
REVISED 9-11-20



1 POOL & SPA FILTER PLUMBING
1/8" = 1'-0"



2 TYP. DETAIL (2) POOL SKIMMER
N.T.S.

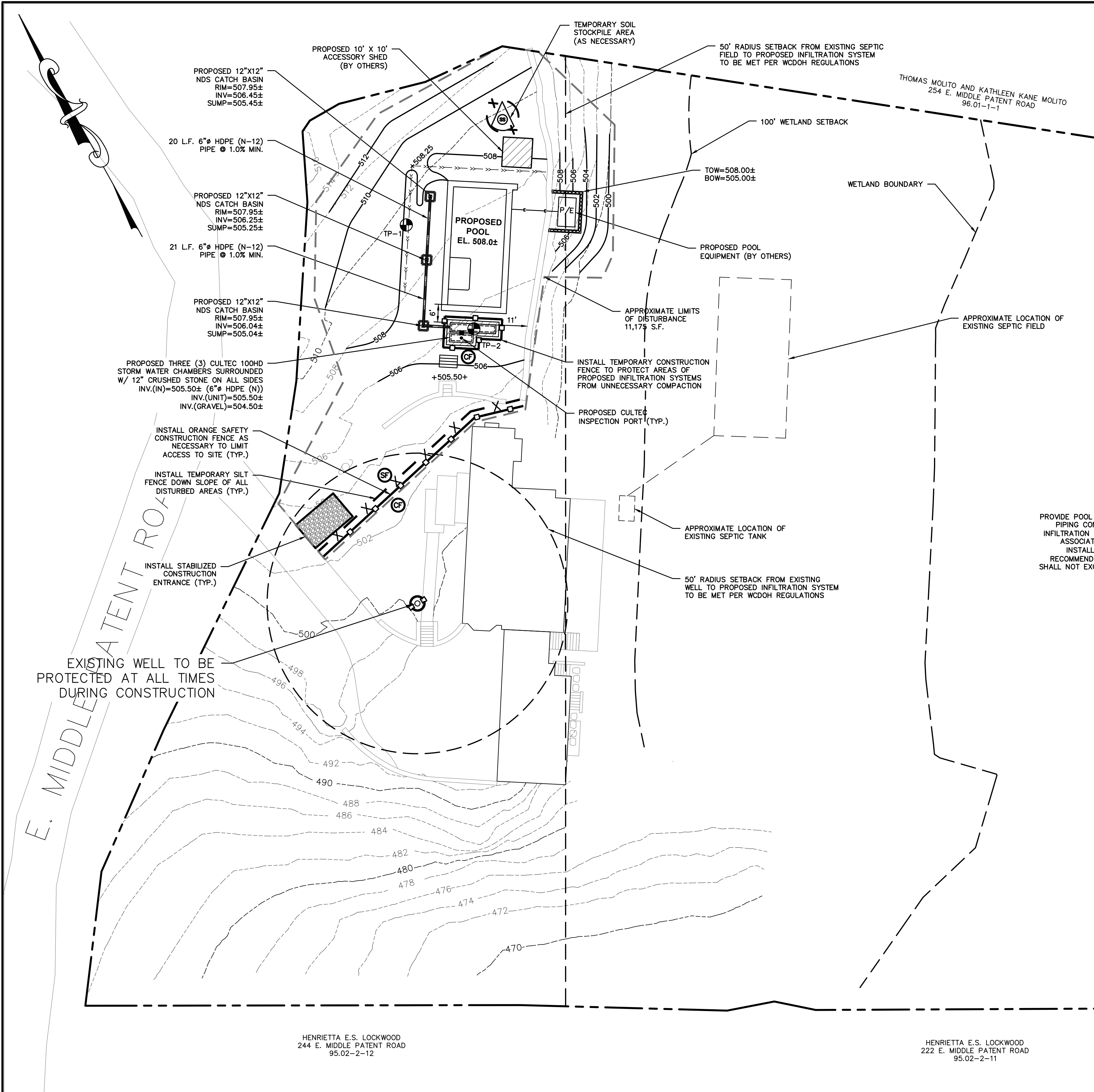


3 POOL & SPA PLUMBING SCHEMATIC
N.T.S.

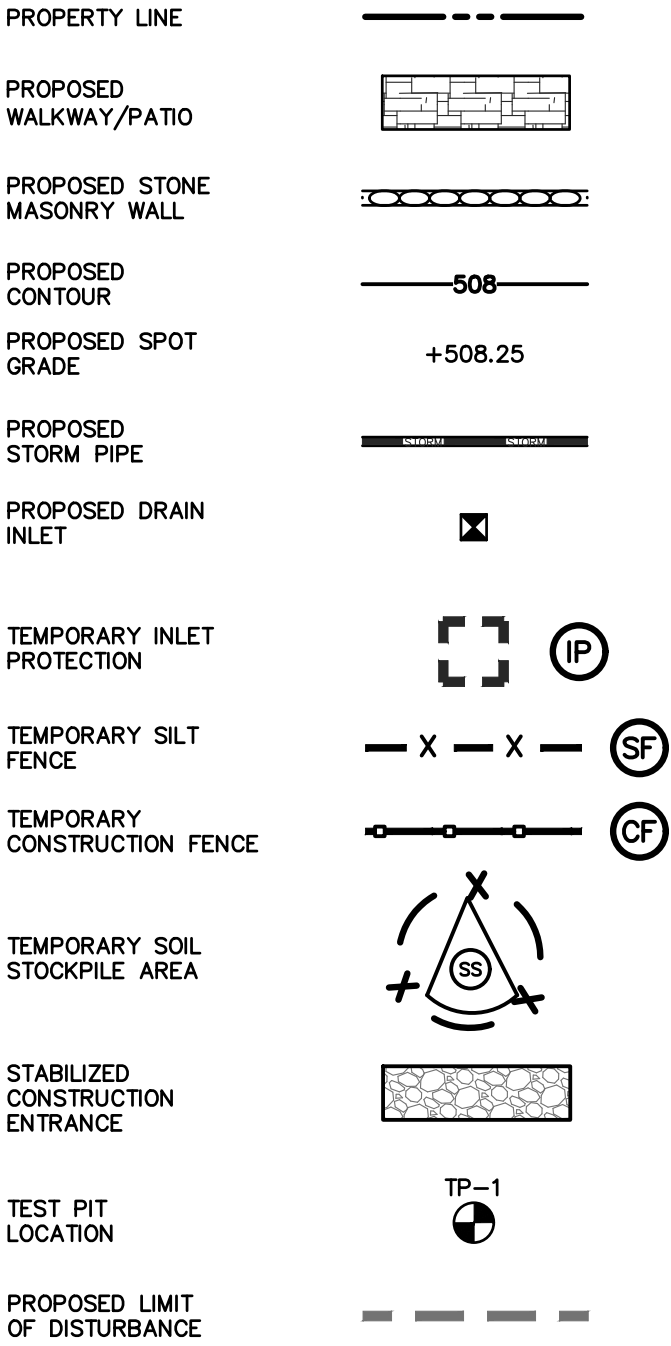
- NOTES**
1. THE ENGINEER IS RESPONSIBLE FOR THE CONTENTS OF THIS DRAWING ONLY AND NOT ANY OTHER DOCUMENTS SUBMITTED IN SUPPORT OF THIS APPLICATION. THE ENGINEER HAS NOT REVIEWED ZONING CRITERIA AND PERMITTING REQUIREMENTS AND SHALL BE INDEMNIFIED AGAINST ALL DAMAGES ARISING FROM NON COMPLIANCE WITH ZONING AND PERMITTING REQUIREMENTS.
 2. THE POOL SHALL BE WIRED AND GROUNDED IN STRICT ACCORDANCE WITH NFPA-70 AND THE ADOPTED LOCAL ELECTRICAL CODE.
 3. ELECTRICAL EQUIPMENT AND MATERIAL SHALL BE LISTED BY UNDERWRITERS LABORATORIES (U.L. - LISTED) FOR THE USE INTENDED. PANEL ENCLOSURES FOR OUTDOOR USE SHALL BE NEMA 2 IF EXPOSED TO PRECIPITATION ONLY, OR NEMA 4 IF EXPOSED TO CONCENTRATED SPRAY.
 4. CONCRETE CYLINDER STRENGTH SHALL BE A MINIMUM OF 3000 PSI AFTER 28 DAYS. REINFORCING STEEL SHALL BE GRADE A-60.
 5. THE ENGINEER HAS NOT REVIEWED SUBSURFACE CONDITIONS, UNLESS NOTED ON THESE PLANS. THE ENGINEER SHALL BE INDEMNIFIED AGAINST ALL DAMAGES ARISING FROM SUBSURFACE CONDITIONS.
 6. LIGHTING W.P. RECEPTILES, CIRCULATION PUMP(S), CHEMICALS FEEDER(S) AND ALL OTHER ELECTRICALLY POWERED EQUIPMENT SHALL BE MANUFACTURER APPROVED FOR SPA AND SWIMMING POOL USE AND SHALL BE WIRED AND GROUNDED BY A LICENSED ELECTRICIAN IN ACCORDANCE WITH THE MOST STRINGENT REQUIREMENTS OF THE MANUFACTURER, GOVERNING LOCAL ELECTRICAL CODE AND NFPA -70 (NATIONAL ELECTRICAL CODE NEC) LATEST EDITION.
 7. ENGINEER IS RESPONSIBLE ONLY FOR THE STRUCTURAL PLANS SHOWN HEREIN. SITE ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN, CHOICE, INSTALLATION, AND FUNCTIONALITY OF ANY AND ALL MECHANICAL EQUIPMENT USED ON THIS PROJECT. MECHANICAL EQUIPMENT SKETCH SHOWN HEREIN IS TO BE USED FOR ILLUSTRATIVE PURPOSES ONLY AND IS NOT AN ENDORSEMENT OF ANY PARTICULAR MECHANICAL SYSTEM.
 8. RETURNS, SKIMMERS, AND SUCTION GRATES MAY BE RELOCATED PER FIELD LAYOUT.
 9. ALL SUBMERGED SUCTION OUTLETS TO BE SEPARATED BY A MINIMUM OF 36" AND TEED IN TOGETHER.
 10. THIS POOL IS NOT APPROVED FOR DIVING.
 11. THIS POOL HAS BEEN DESIGNED IN ACCORDANCE WITH ANSI/APSP/ICC-5 2011 STANDARD FOR RESIDENTIAL INGROUND SWIMMING POOLS AND 2015 INTERNATIONAL RESIDENTIAL CODE SECTIONS R326.4.1 THROUGH R326.4.3.
 12. THIS SPA HAS BEEN DESIGNED IN ACCORD WITH ANSI/NSPI-3-99 STANDARD FOR PERMANENTLY INSTALLED RESIDENTIAL SPAS.
 13. THE POOLAND SPA HAS BEEN DESIGNED IN ACCORDANCE WITH ANSI/APSP-7-06 STANDARD FOR SUCTION ENTRAPMENT AVOIDANCE IN SWIMMING POOLS, WADING POOLS, SPAS, HOT TUBS AND CATCH BASINS.
 14. THE AUTOMATIC POOL COVER MEETS ASTM 1346-91 (2003) PERFORMANCE SPECIFICATION FOR SAFETY COVERS AND LABELING REQUIREMENTS FOR ALL COVERS FOR SWIMMING POOLS, SPAS AND HOT TUBS.

PLUMBING SCHEMATIC FOR THE BENNIS RESIDENCE 250 EAST MIDDLE PATENT ROAD BEDFORD, NY	
SHORELINE POOLS 393 WEST AVE STAMFORD, CT 06902 TEL. (203) 967-1203 <small>LICENSES: NJ: 13VH02627600 CT: 0508652 Westchester: WCD2092 Rockland: H-11107-26-00-00 Putnam: 1832</small>	
DRAWN BY:	LL
DATE:	9-10-2020
SCALE:	AS NOTED
DWG LOCATION:	2020 NY P & S
FILE NUMBER:	20-025-JUL
DWG:	P-1





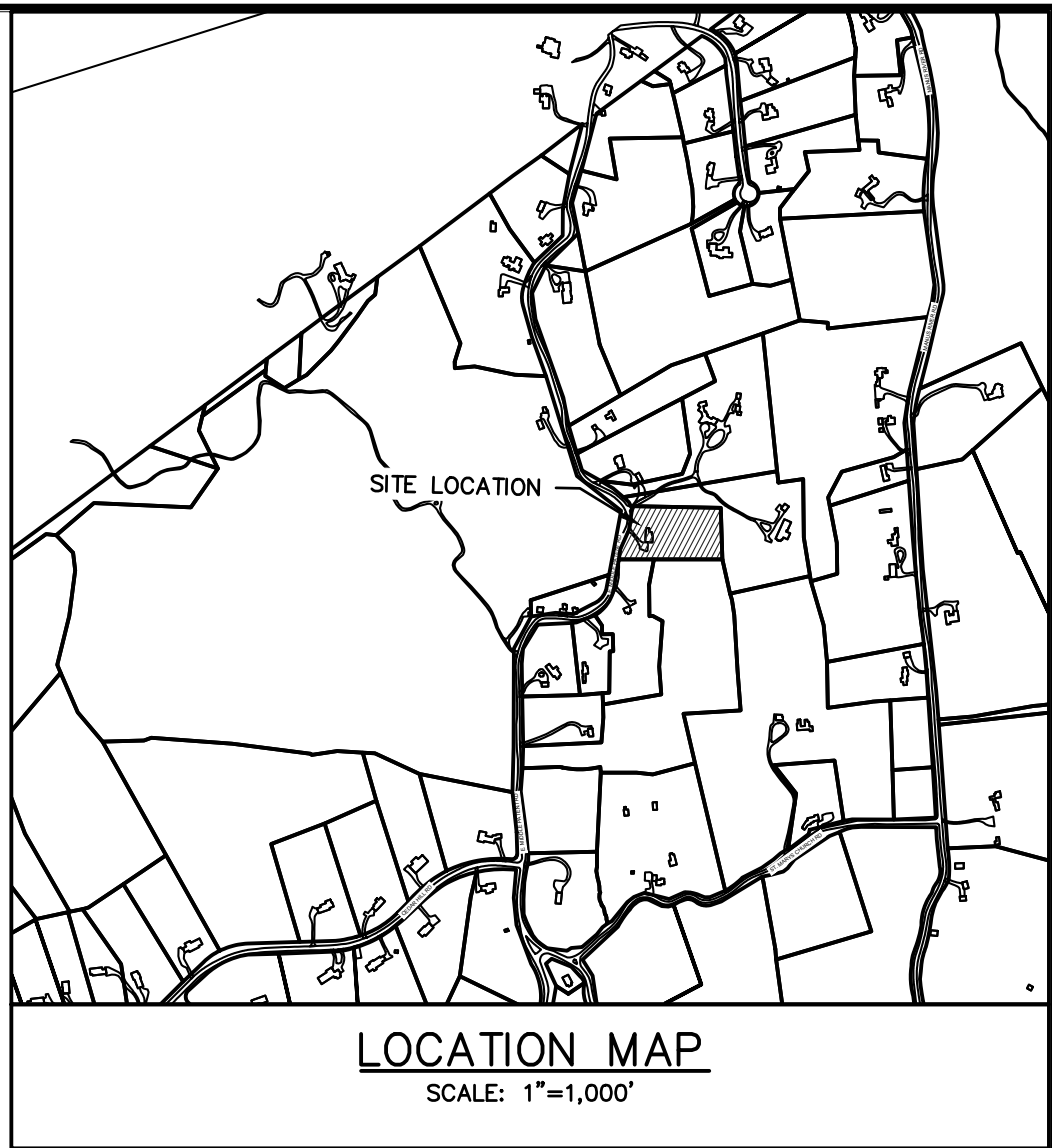
LEGEND



TEST HOLE DATA:

TEST HOLE #1
DEPTH - 19"
0-12" TOPSOIL
12-19" BROWN SANDY LOAM
NO GROUNDWATER
LEDGE ROCK @ 19"

TEST HOLE #2
DEPTH - 57"
0-8" TOPSOIL
8-24" BROWN SANDY LOAM
24-44" SILTY LOAM
44-57" SANDY LOAM
NO GROUNDWATER
LEDGE ROCK @ 57"
PERC. = 25" INCHES/HOUR



GENERAL NOTES:

- THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SUPERVISION OF THE CONSTRUCTION.
- NO CHANGES SHALL BE MADE TO THESE PLANS EXCEPT AS PER NYS LAW CHAPTER 987.
- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL APPLICABLE CODES, INCLUDING BUT NOT LIMITED TO A.C.I., A.I.C., ZONING, AND THE NEW YORK STATE BUILDING CODE.
- ALL CONDITIONS, LOCATIONS AND DIMENSIONS SHALL BE FIELD VERIFIED AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCIES.
- ALL CHANGES MADE TO THE PLANS SHALL BE APPROVED BY THE ENGINEER AND ANY SUCH CHANGES SHALL BE FILED AS AMENDMENTS TO THE ORIGINAL BUILDING PERMIT.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER FOR THE ACTS AND OMISSIONS OF HIS EMPLOYEES, SUBCONTRACTORS AND THEIR AGENTS AND OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
- SAFETY DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL AGENCIES IN EFFECT DURING THE PERIOD OF CONSTRUCTION.
- THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL MAKE APPLICATION TO RECEIVE ALL NECESSARY PERMITS TO PERFORM THE WORK UNDER CONTRACT. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL BE LICENSED TO DO ALL WORK AS REQUIRED BY THE LOCAL, COUNTY, AND STATE AGENCIES WHICH MAY HAVE JURISDICTION OVER THOSE TRADES, AND SHALL PRESENT THE OWNER WITH COPIES OF ALL LICENSES AND INSURANCE CERTIFICATES.
- FINAL GRADIS AROUND THE BUILDING AREA SHALL SLOPE AWAY FROM THE STRUCTURE.
- ALL WRITTEN DIMENSIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ANY SCALED DIMENSIONS.
- ADJOINING PUBLIC AND PRIVATE PROPERTY SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION, REMODELING AND DEMOLITION WORK. PROTECTION MUST BE PROVIDED FOR FOOTINGS, FOUNDATIONS, PARTY WALLS, CHIMNEYS, SKYLIGHTS AND ROOFS. PROVISIONS SHALL BE MADE TO CONTROL WATER RUNOFF AND EROSION DURING CONSTRUCTION OR DEMOLITION ACTIVITIES. THE PERSON MAKING OR CAUSING AN EXCAVATION TO BE MADE SHALL PROVIDE WRITTEN NOTICE TO THE OWNERS OF ADJOINING BUILDINGS ADVISING THEM THAT THE EXCAVATION IS TO BE MADE AND THAT THE ADJOINING BUILDING SHOULD BE PROTECTED. SAID NOTIFICATION SHALL BE DELIVERED NOT LESS THAN 10 DAYS PRIOR TO THE SCHEDULED STARTING DATE OF THE EXCAVATION.
- OWNER SHALL INSURE THAT THE INSURANCE PROVIDED BY THE CONTRACTOR HIRED TO PERFORM THE WORK SHALL BE ENDORSED TO NAME HUDSON ENGINEERING & CONSULTING, P.C., AND ANY DIRECTORS, OFFICERS, EMPLOYEES, SUBSIDIARIES, AND AFFILIATES, AS ADDITIONAL INSURED ON ALL POLICIES AND HOLD HARMLESS DOCUMENTS, AND SHALL STIPULATE THAT THIS INSURANCE IS PRIMARY, AND THAT ANY OTHER INSURANCE OR SELF-INSURANCE MAINTAINED BY HUDSON ENGINEERING & CONSULTING, P.C., SHALL BE EXCESS ONLY AND SHALL NOT BE CALLED UPON TO CONTRIBUTE WITH THIS INSURANCE. 150 ADDITIONAL INSURED ENDORSEMENT FORM NUMBER CG2010 1185 UNDER ALL COPIES OF THE INSURANCE POLICIES SHALL BE SUBMITTED TO HUDSON ENGINEERING & CONSULTING, P.C., FOR APPROVAL PRIOR TO THE SIGNING OF THE CONTRACT.
- INDUSTRIAL CODE RULE 753: THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS PRIOR TO THE START OF HIS OPERATIONS AND SHALL COMPLY WITH ALL THE LATEST INDUSTRIAL CODE RULE 753 REGULATIONS.

INSTALLATION & MAINTENANCE OF EROSION CONTROL:

CONSTRUCTION SCHEDULE
NOTIFY APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 5 DAYS PRIOR TO START.

EROSION CONTROL MEASURES
INSTALL ALL EROSION CONTROL MEASURES PRIOR TO START OF CONSTRUCTION. CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

INSPECTION BY MUNICIPALITY
MAINTENANCE (TO BE PERFORMED DURING ALL PHASES OF CONSTRUCTION)

AFTER ANY RAIN CAUSING RUNOFF, CONTRACTOR TO INSPECT HAYBALES, ETC. AND REMOVE ANY EXCESSIVE SEDIMENT AND INSPECT STOCKPILES AND CORRECT ANY PROBLEMS WITH SEED ESTABLISHMENT. INSPECTIONS SHALL BE DOCUMENTED IN WRITING AND SUBMITTED TO THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION.

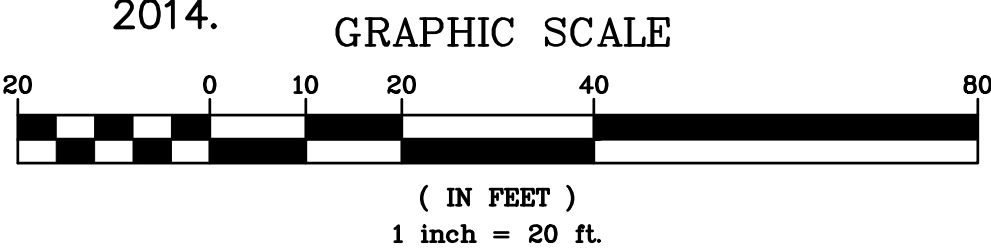
INSPECTION BY MUNICIPALITY - FINAL GRADING
REMOVE UNNEEDED SUBGRADE FROM SITE.
CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

INSPECTION BY MUNICIPALITY - LANDSCAPING
SPREAD TOPSOIL, EVENLY OVER AREAS TO BE SEED. HAND RAKE LEVEL.
BROADCAST 1.25 LB. BAG OF JONATHAN GREEN "FASTGROW" MIX OR EQUAL OVER AREA TO BE SEED. APPLY STRAW MULCH AND WATER WITHIN 2 DAYS OF COMPLETION OF TOPSOILING. CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

INSPECTION BY MUNICIPALITY - FINAL LANDSCAPING
GRASS ESTABLISHED.
CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

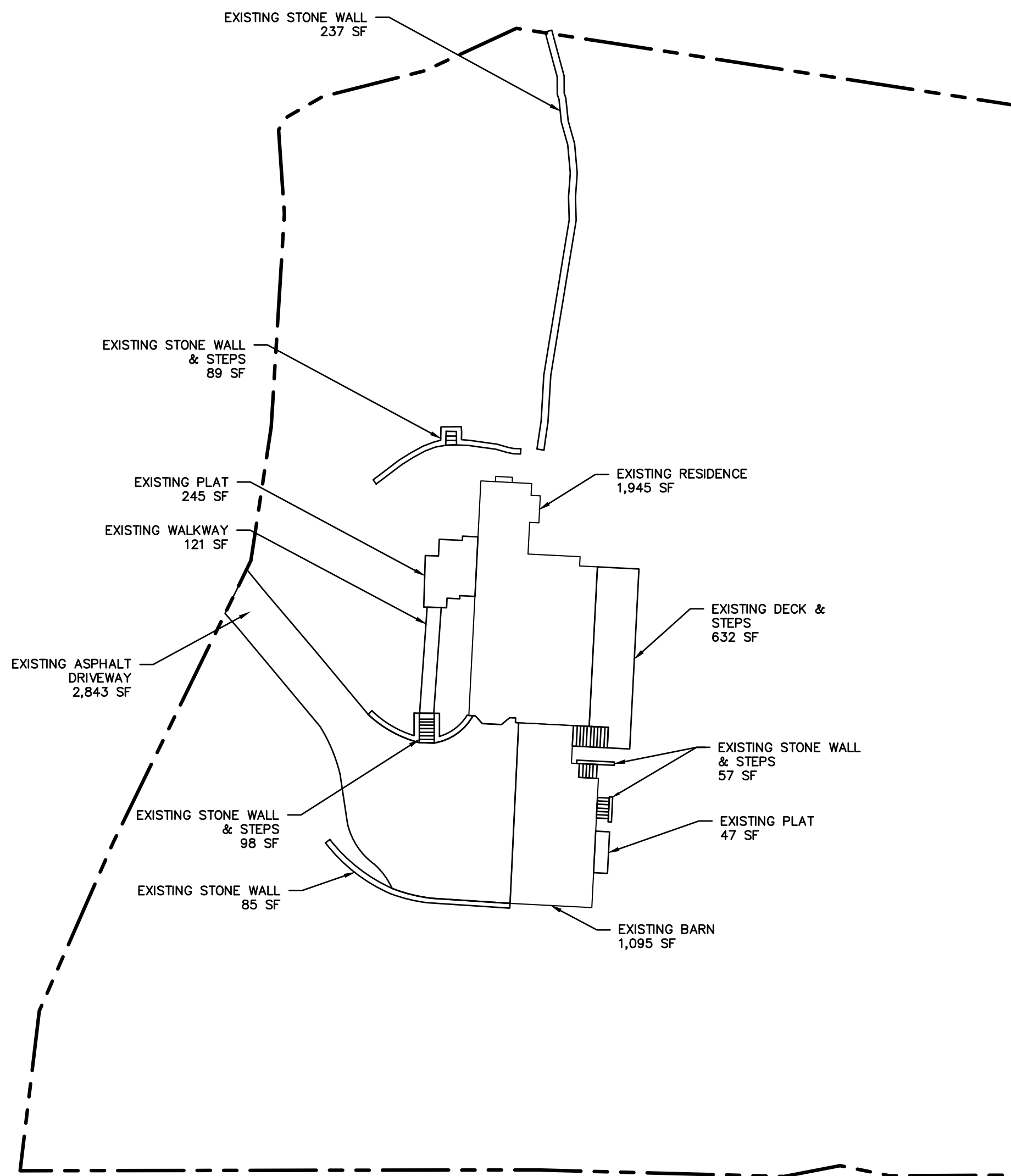
INSPECTION BY MUNICIPALITY - FINAL INSPECTION
ALL EROSION CONTROL MEASURES REMOVED AND GRASS ESTABLISHED.
CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

250 E. MIDDLE PATENT RD STORMWATER
MANAGEMENT PLAN BASED UPON
EXISTING INFORMATION PROVIDED BY H.
STANLEY JOHNSON & COMPANY LAND
SURVEYORS, P.C., DATED MARCH 20,
2014.

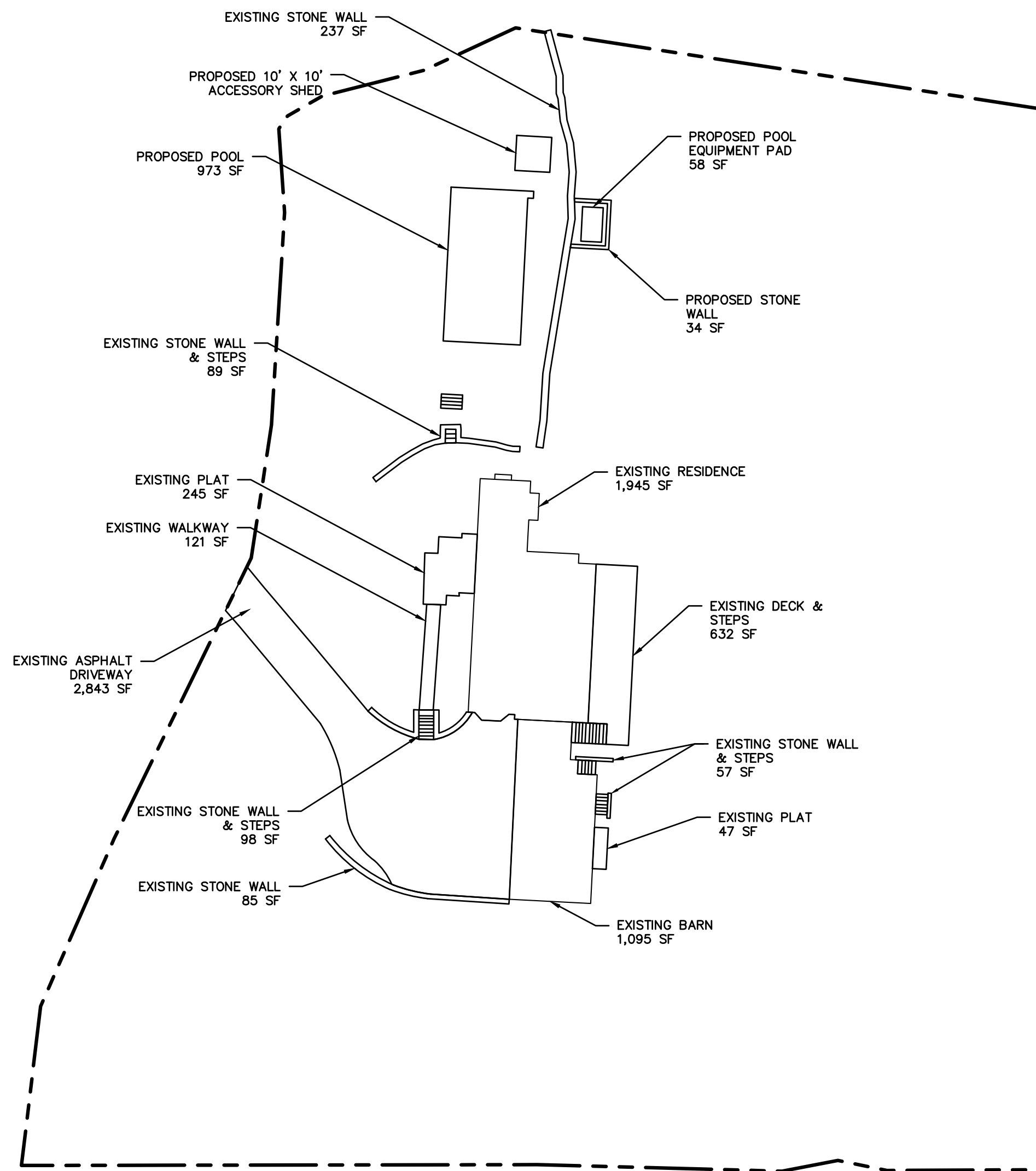


No.	Description	Date	PROJECT:
			PROPOSED POOL & ALTERATIONS 250 E. MIDDLE PATENT ROAD TOWN OF NORTH CASTLE WESTCHESTER COUNTY - NEW YORK
			STORMWATER MANAGEMENT PLAN
			HUDSON ENGINEERING & CONSULTING, P.C. 45 Knollwood Road, Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086 © 2020
THIS PLAN NOT VALID FOR CONSTRUCTION & WITHOUT ENGINEERS SEAL & SIGNATURE			State of New York Professional Engineer No. 00657 Date: 09/21/20 Scale: 1" = 20' Designed By: N.S. Checked By: M.S. Sheet No. 3

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



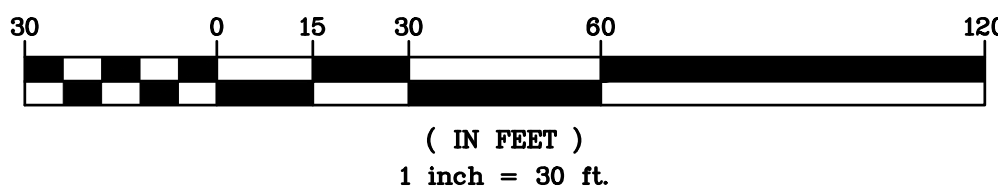
LOT COVERAGE CALCULATIONS (EXISTING)	
SHEET: 95.02	BLOCK: 2 LOT: 10
ZONE: R-4A	EXISTING (sf)
AREA OF LOT:	145,055
EXISTING DWELLING(ALL ROOFED AREAS):	1,945
EXISTING BARN:	1,095
EXISTING ASPHALT DRIVEWAY:	2,843
EXISTING STONE WALLS & STEPS:	237
EXISTING PLAT:	292
EXISTING DECK:	632
EXISTING WALKWAY:	121
TOTAL COVERAGE:	7,165



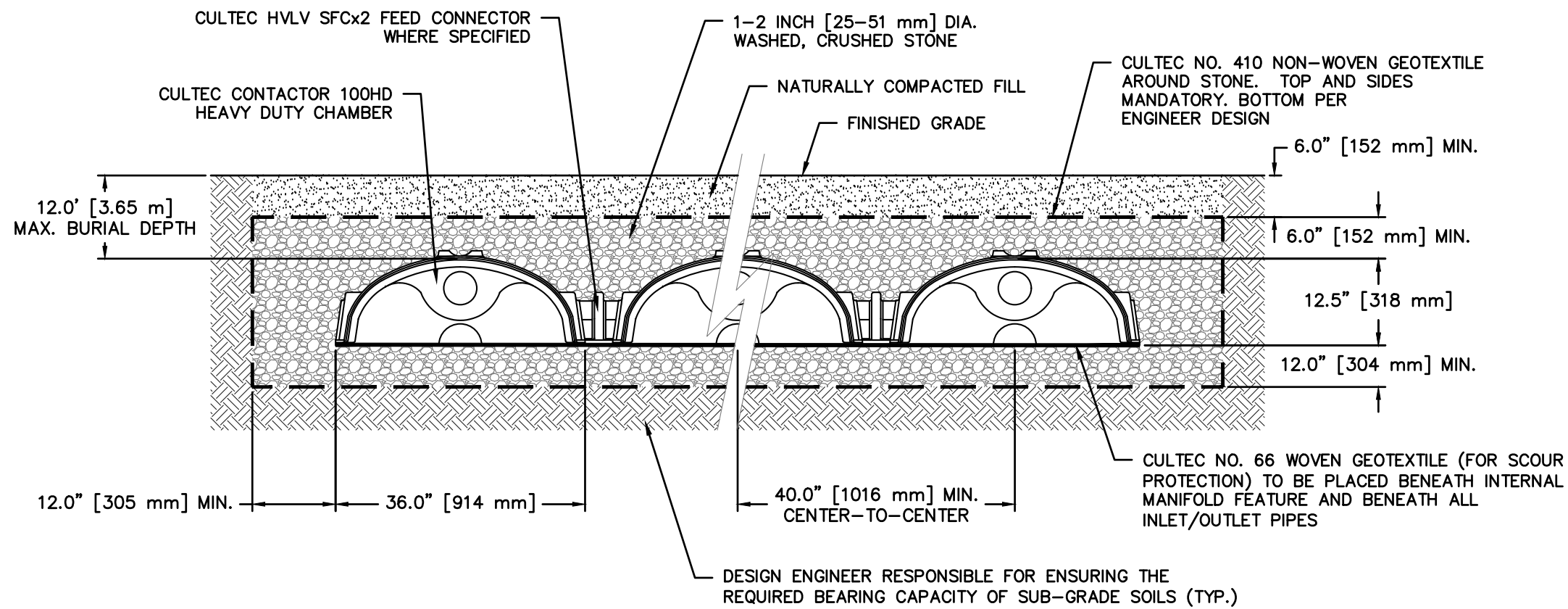
LOT COVERAGE CALCULATIONS (PROPOSED)	
SHEET: 95.02	BLOCK: 2 LOT: 10
ZONE: R-4A	EXISTING (sf)
AREA OF LOT:	145,055
EXISTING DWELLING(ALL ROOFED AREAS):	1,945
EXISTING BARN:	1,095
EXISTING ASPHALT DRIVEWAY:	2,843
EXISTING STONE WALLS & STEPS:	566
EXISTING PLAT:	292
EXISTING DECK:	632
EXISTING WALKWAY:	121
PROPOSED POOL:	973
PROPOSED WALL & STEPS	58
PROPOSED ACCESSORY SHED:	100
PROPOSED POOL EQUIPMENT:	58
TOTAL COVERAGE:	8,683

250 E. MIDDLE PATENT RD
COVERAGE PLAN BASED UPON EXISTING
INFORMATION PROVIDED BY H. STANLEY
JOHNSON & COMPANY LAND
SURVEYORS, P.C., DATED MARCH 20,
2014.

GRAPHIC SCALE



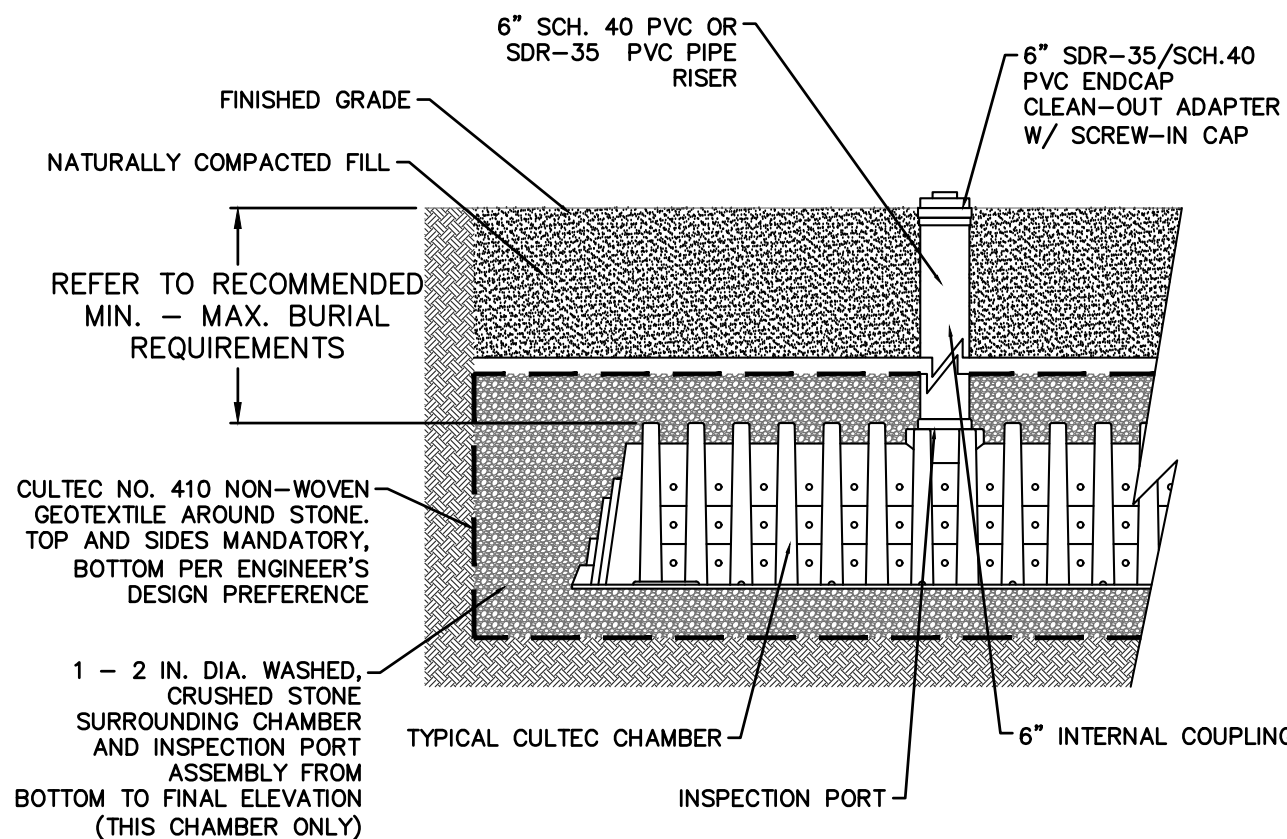
No.	Description	Date	PROJECT:
			PROPOSED POOL & ALTERATIONS 250 E. MIDDLE PATENT ROAD TOWN OF NORTH CASTLE WESTCHESTER COUNTY – NEW YORK
			LOT COVERAGE PLAN
			HUDSON ENGINEERING & CONSULTING, P.C. 45 Knollwood Road, Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086 © 2020
THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEERS SEAL & SIGNATURE			
Date: 09/21/20 Sheet: 2 Scale: 1" = 30' Designed By: N.S. Checked By: M.S.			3
Sheet No.			C-2



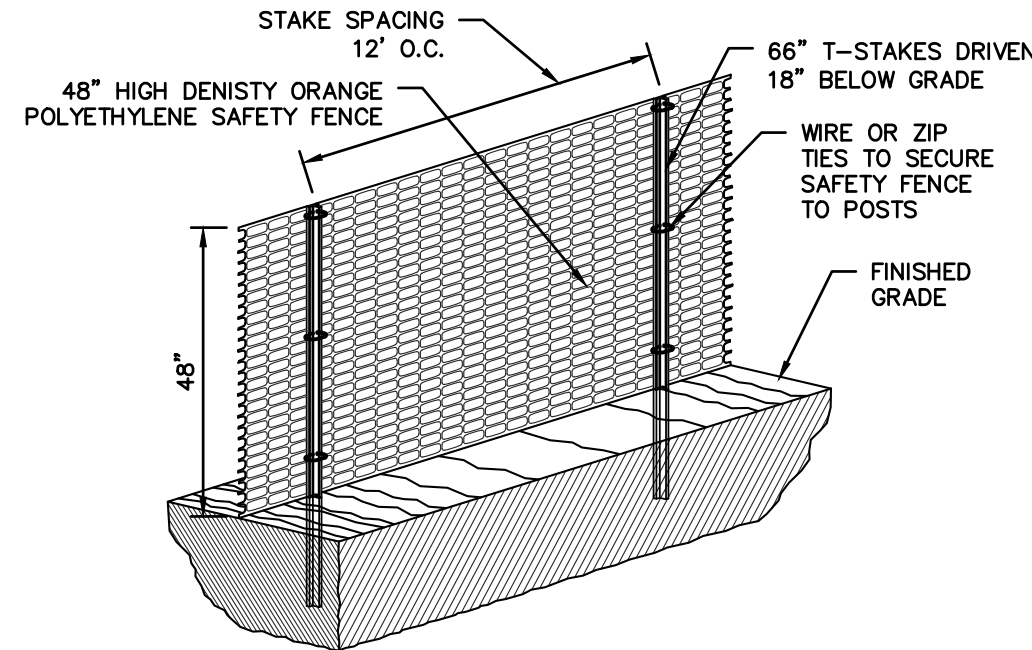
GENERAL NOTES
CONTACTOR 100HD BY CULTEC, INC. OF BROOKFIELD, CT.
STORAGE PROVIDED = 3.84 CF/FT [0.82 M³/3'] PER DESIGN UNIT.
REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES.
MAXIMUM ALLOWED COVER ON TOP OF UNIT SHALL BE 12.0' [3.66 m] THE CHAMBER WILL BE DESIGNED TO WITHSTAND TRAFFIC LOADS

WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS, ALL CONTACTOR 100HD HEAVY DUTY UNITS ARE MARKED WITH A COLOR STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER. ALL CONTACTOR 100 CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

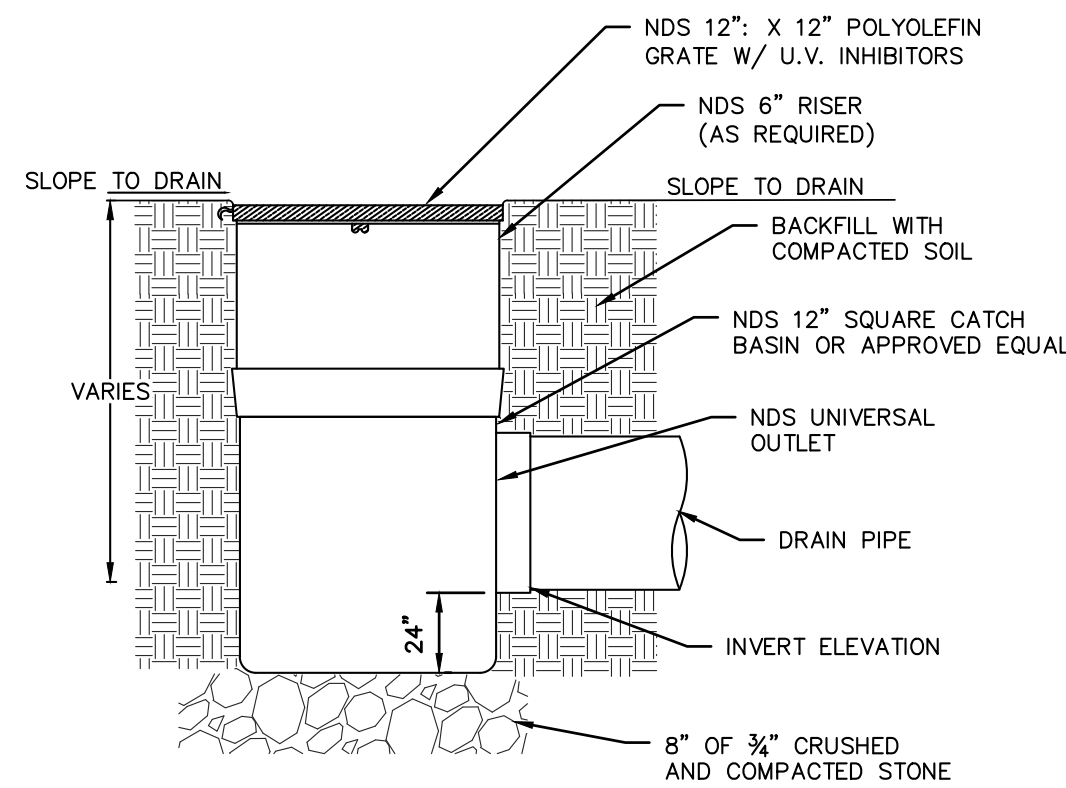
CULTEC CONTACTOR 100HD



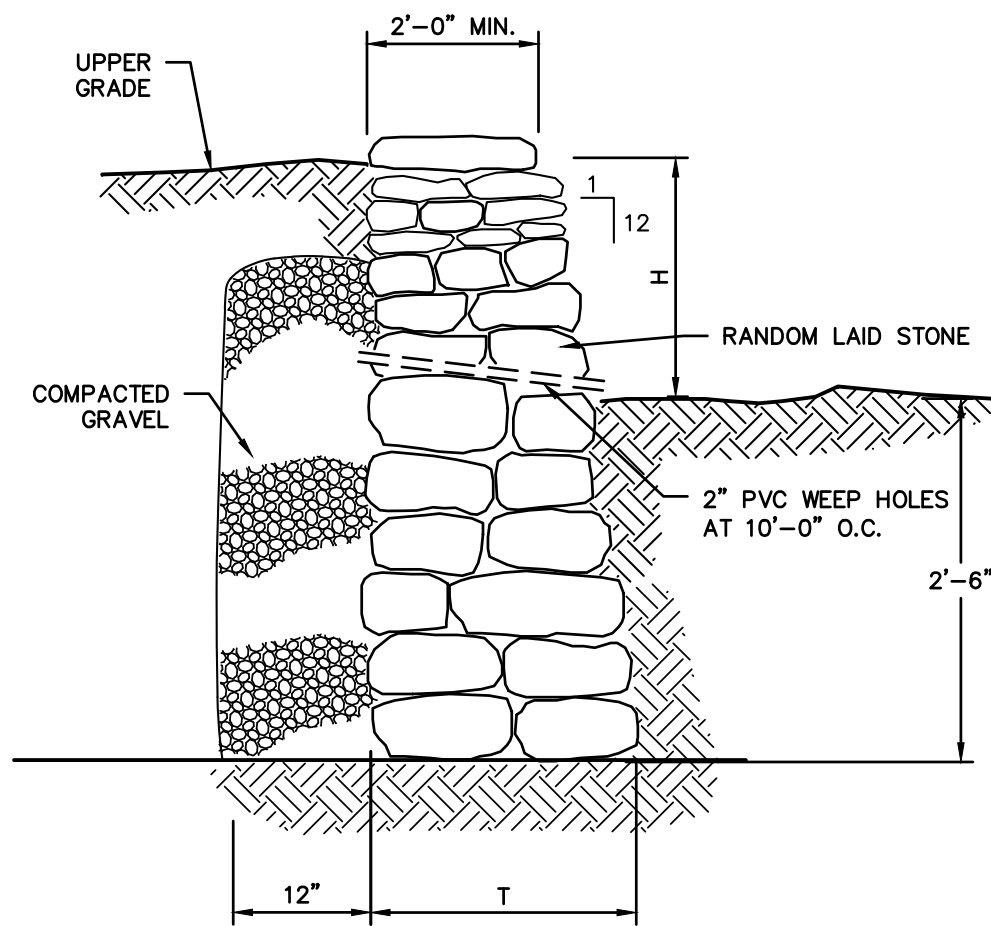
CULTEC ACCESS PORT



CONSTRUCTION FENCE

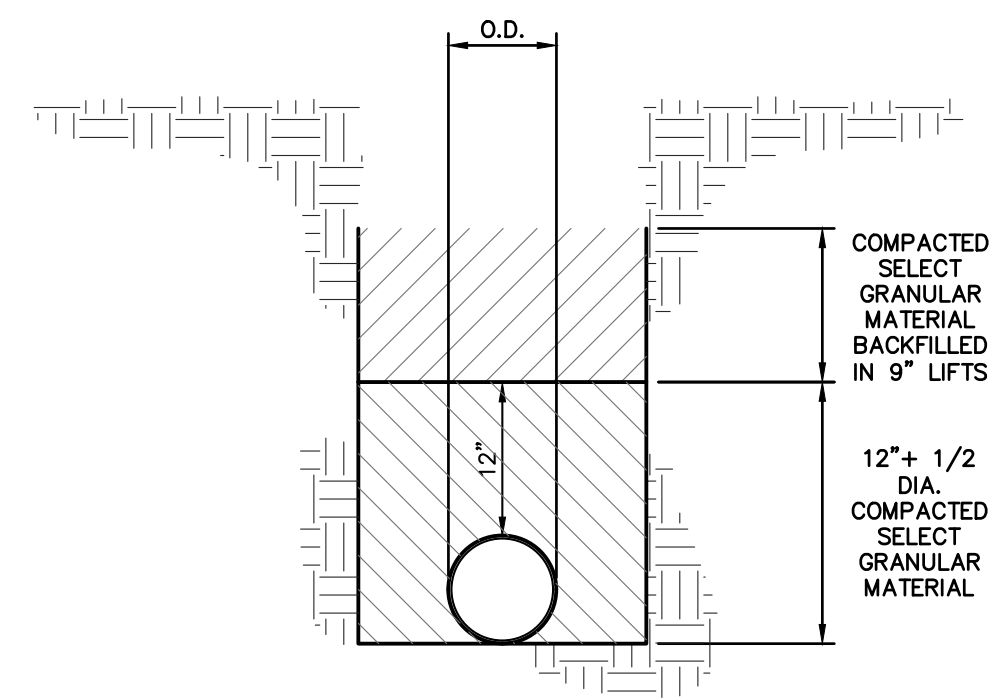


NDS SQUARE CATCH BASIN



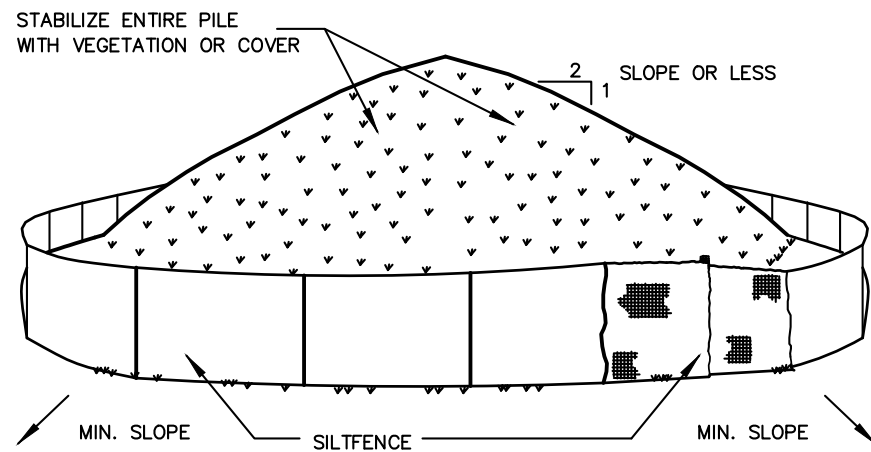
"T" AT EVERY POINT MUST BE EQUAL OR GREATER THAN H/2.
THE FIELDSTONE WALLS DESIGN SHOULD ONLY BE USED FOR VERTICAL GRADE SEPARATIONS OF 6 FEET OR LESS ON SITE.

FIELDSTONE RETAINING WALL



TRENCH BEDDING

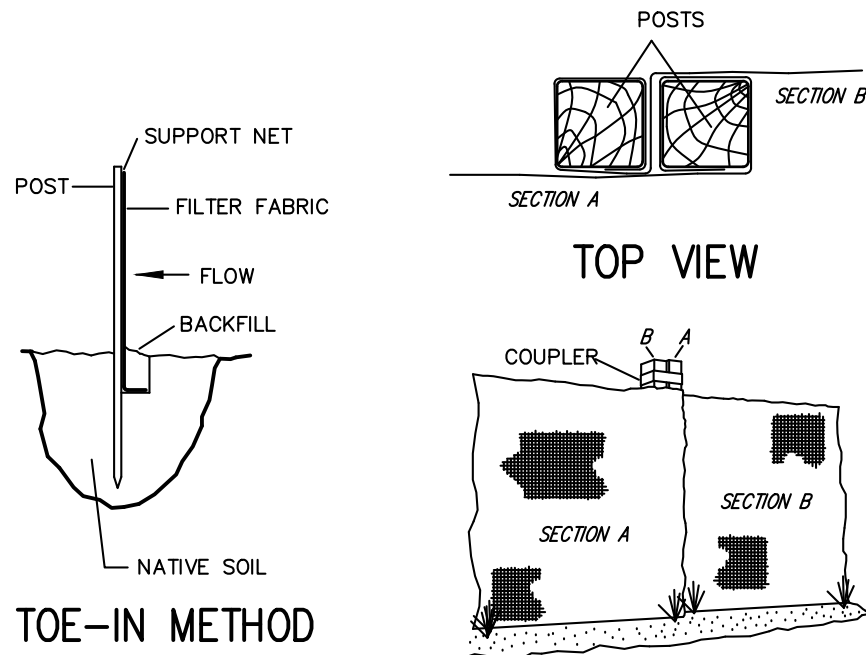
SOIL STOCKPILING



INSTALLATION NOTES

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. SOILS OR FILL TO BE STOCKPILED ON SITE DURING CUTTING AND FILLING ACTIVITIES SHOULD BE LOCATED ON LEVEL PORTIONS OF THE SITE WITH A MINIMUM OF 50-75 FOOT SETBACKS FROM TEMPORARY DRAINAGE SWALES.
3. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
4. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
5. STOCKPILES REMAINING IN PLACE FOR MORE THAN A WEEK SHOULD BE SEEDED AND MULCHED OR COVERED WITH GEOTEXTILE FABRIC SURROUNDING BY SILT FENCE.
6. SEE SPECIFICATIONS (THIS MANUAL) FOR INSTALLATION OF SILT FENCE.

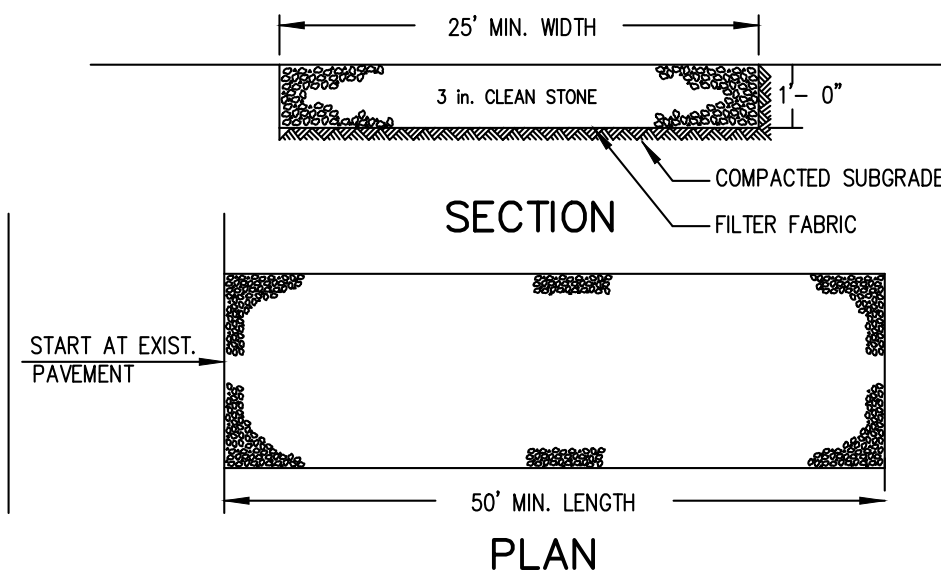
SILT FENCE



INSTALLATION NOTES:

1. EXCAVATE A 4 INCH x 4 INCH TRENCH ALONG THE LOWER PERIMETER OF THE SITE.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM THE TRENCH BOTTOM.
4. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH. BACKFILL THE TRENCH AND TAMP THE SOIL. STEEPER SLOPES REQUIRE AN INTERCEPT TRENCH.
5. JOIN SECTIONS AS SHOWN ABOVE.

STABILIZED CONSTRUCTION ENTRANCE



INSTALLATION NOTES:

1. STONE SIZE - USE 3" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - 25 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIRED ACROSS THE ENTRANCE. IF PIRING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

PROJECT: PROPOSED POOL & ALTERATIONS 250 E. MIDDLE PATENT ROAD TOWN OF NORTH CASTLE WESTCHESTER COUNTY - NEW YORK		
DETAILS HUDSON ENGINEERING & CONSULTING, P.C. 45 Knollwood Road, Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086 © 2020		
Date: 09/21/20 Scale: N.T.S. Designed By: N.T.S. Checked By: M.S. Sheet No. 3		C-3