

April 11, 2024

John Kellard, P.E.  
Kellards Sessions Consulting  
500 Main Street  
Armonk, NY 10504

Re: Nicolas Perpepaj  
601 Bedford Road  
Section 101.02, Block 2, Lot 52

Dear John:

The following are our responses to your comment letter of April 6, 2024:

1. The intent is to use the existing original roof drain system. As the Town is aware the original structures are quite old and predate any approvals for drainage. As a result of a request from the Building Department no records exist. Therefore, we cannot verify the final discharge point. There are several cast iron 6"x4" leader standpipes that are located around the existing structure which have been added to the site plan. The owner has flow tested these and they are all operational. As stated, the final point of discharge is unknown as it is subterranean. During the flow test no water was seen backing into the basement of the structure or on the ground surface.
2. The location of the septic system is currently unknown. The tank for the cottage is located in the concrete courtyard between the two buildings. The owner had previously submitted a record request from the Health Department with no response. We have separately filed for a record search of the Health Department records, but it is unlikely that anything exists. We were told by Tony Kunny at the Health Department a few months back that to get a letter of no objection he would be satisfied with an inspection report from a licensed contractor but that isn't possible without a large undertaking since the courtyard is concrete. United Septic was hired to investigate the system. They found that the septic tank in the courtyard is over 4 feet deep and constructed of brick and an attempt to scope it failed because they could not get to the outlet end. The only way to go any further would require digging up the courtyard, which is not desirable. The cottage has been occupied for at least the time my client has owned it and there is no issue with sewage showing up anywhere so there must be a system somewhere. As you know we have a septic permit for the main house and the HD did not question the cottage septic. It is not possible to almost double the proposed septic system to accommodate the cottage also. There was a line on the drawing indicating a drain connected to the septic tank which was not correct and has been removed.
3. The existing and proposed utilities are now shown.

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251-F Underhill Avenue • Yorktown Heights, New York 10598

60 Walnut Grove Road • Ridgefield, Connecticut 06877

(914) 962-4488

(203) 431-9504

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4. There is not a significant amount of disturbance proposed. The only disturbance relates to the installation of the proposed septic system and the underground utility services. A silt fence is proposed in these locations. A silt fence detail and restoration notes have been added.

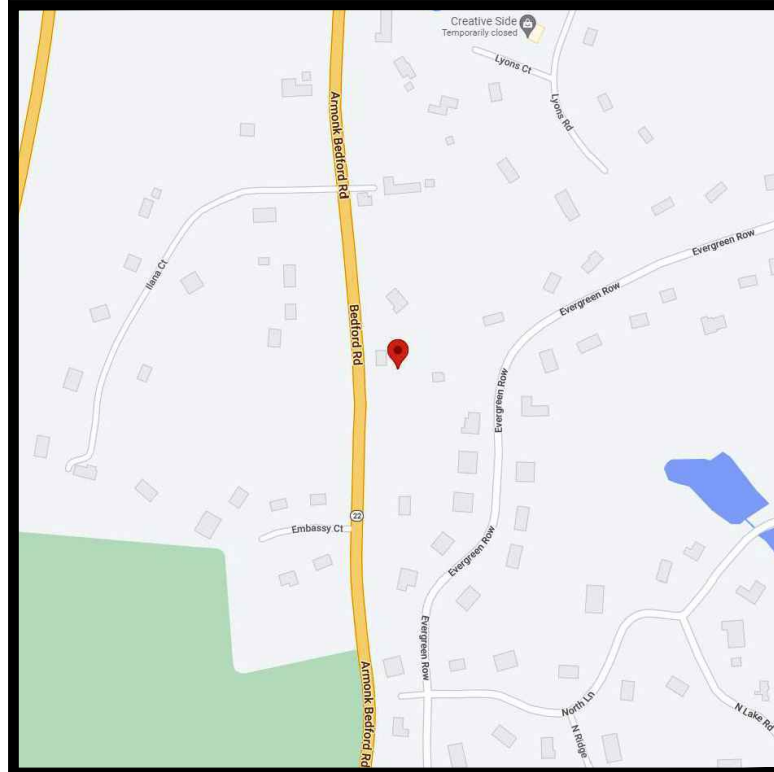
Please contact me if you have any questions. Thank you.

Sincerely,

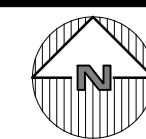
  
Joseph C. Riina, P.E.

cc: Adam Kaufman, AICP  
Nichola Arpaia, AIA  
Nicholas Peperaj





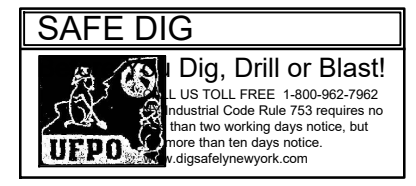
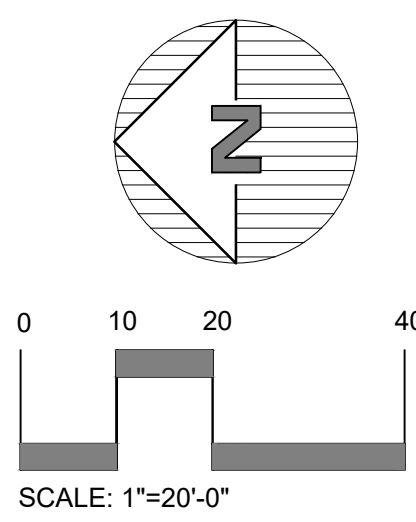
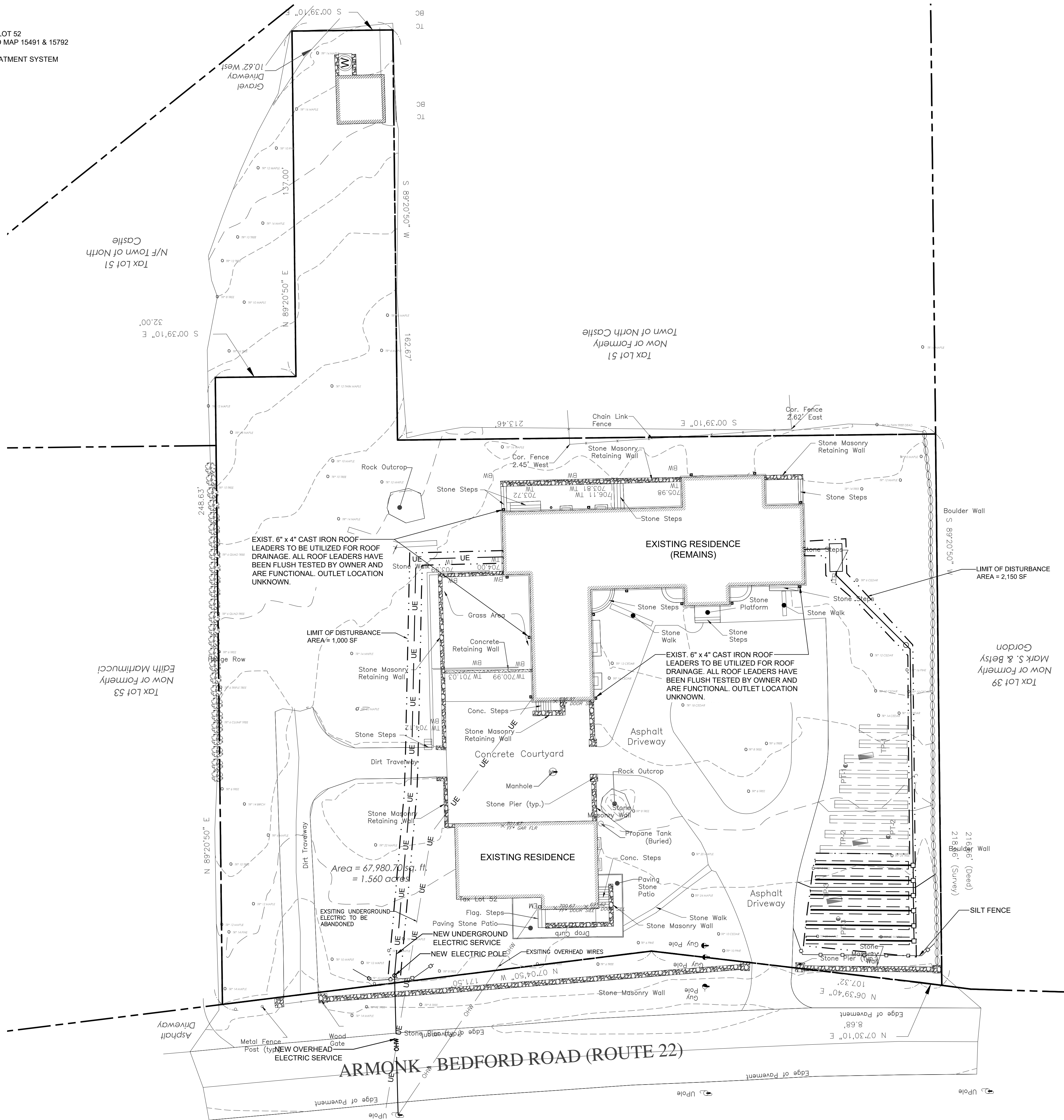
LOCATION MAP  
NOT TO SCALE



**SITE DATA:**

OWNER / DEVELOPER:  
PROJECT LOCATION:  
TOWN TAX MAP DATA:  
SITE AREA:  
SEWAGE FACILITIES:  
WATER FACILITIES:  
WATERSHED:

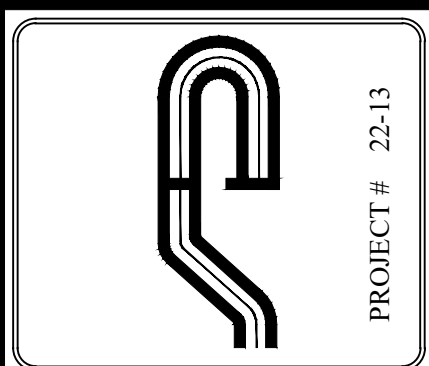
NICHOLAS PERPEPAJ  
601 BEDFORD ROAD  
ARMONK, NY 10504  
SECTION 101.02, BLOCK 2, LOT 52  
REALTY SUBD. LOT # 5 FILED MAP 15491 & 15792  
1.56 ACRES (67980 SF)  
SUBSURFACE SEWAGE TREATMENT SYSTEM  
LONG ISLAND SOUND



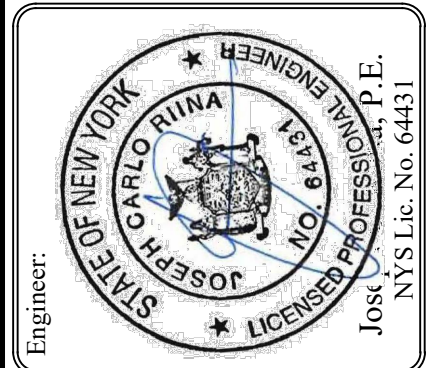
E:\2023\23.13.NICHOLAS PERPEPAJ\601 BEDFORD RD.ARMONK\ENGINEERING\CADD\23.13.NICHOLAS PERPEPAJ\601 BEDFORD RD.ARMONK\23.13 SEPTIC PLAN.DWG, 11/15/2023, 11:56:45 AM

**NOTE:**  
1. THIS IS NOT A SURVEY. ALL SURVEY INFORMATION SHOWN ON THIS PLAN HAS BEEN TAKEN FROM SURVEY MAP PREPARED BY NAME OF SURVEYOR, DATED XXXXXX, LAST REVISED XXXXXX. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

NOTE: UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW.



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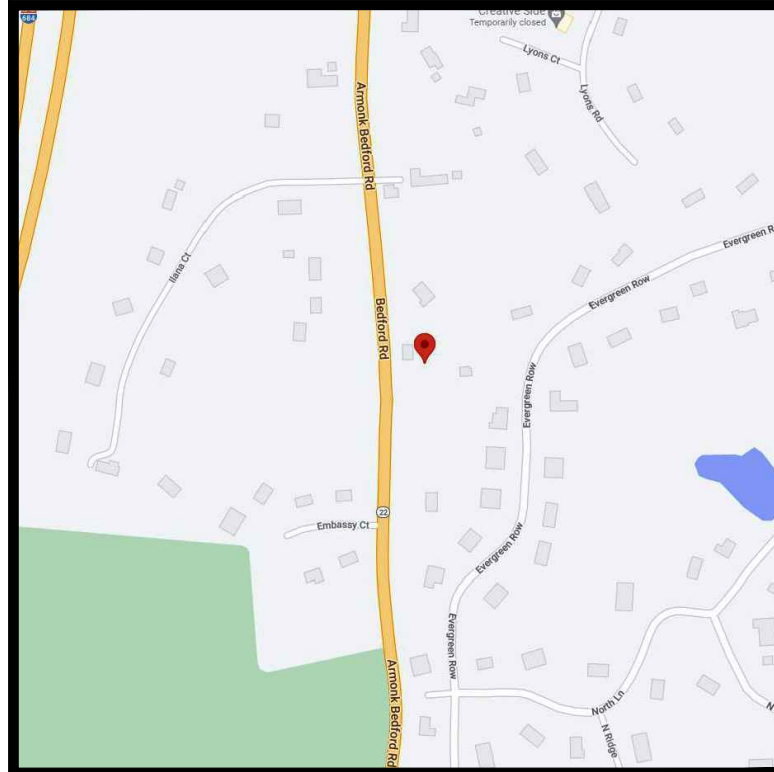
Revisions:	No.	Date	Comments
	1	4/10/24	Town Comments

SCALE:	1" = 20'
DRAWN BY:	AB
DATE:	11-10-23

**SITE PLAN**

PROPOSED SEPTIC PLAN  
PREPARED FOR  
**NICHOLAS PERPEPAJ**  
PROJECT LOCATION  
601 BEDFORD ROAD  
Town of North Castle  
Westchester Co., New York

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**SITE DATA:**

**OWNER / DEVELOPER:** NICHOLAS PERPEPAJ  
50 CHESTNUT RIDGE ROAD  
ARMONK, NY, 10504

**PROJECT LOCATION:** 601 BEDFORD ROAD  
ARMONK, NY 10504  
SECTION 101.02, BLOCK 2, LOT 52  
1.56 ACRES (67,980 SF)

**TOWN TAX MAP DATA:** SUBSURFACE SEWAGE TREATMENT SYSTEM

**SEWAGE FACILITIES:** DRILLED WELL

**WATERSHED:** LONG ISLAND SOUND

**LOCATION MAP**



SEPARATION DISTANCES FROM WASTEWATER SOURCES						
WASTEWATER SOURCES	DRILLED WELL (AT HIGHER ELEVATION)	TO STREAM LAKE WATERCOURSE (B/C) OR WETLAND	DWELLING	PROPERTY LINES	DRAINAGE DITCH/RAIN GARDEN (H)(FT.)	IN-GROUND POOL (FT.)
HOUSE SEWER (WATERTIGHT JOINTS) (CIP, DIP, OR SIMILAR)	25' CIP 50' OTHER	25'	3'	10'	10'	10'
SEPTIC TANK	50'	50'	10'	10'	10'	20'
EFFLUENT LINE TO DISTRIBUTION BOX	50'	50'	10'	10'	10'	10'
DISTRIBUTION BOX	100'	100'	20'	10'	20'	20'
ABSORPTION FIELD	100' (A)	100'	20'	10'	20'	35'
SEEPAGE PIT	150' (A)	100'	20'	10'	20'	50'
DRY WELL (ROOF & FOOTINGS)	50'	25'	20'	10'	10'	20'
DRY WELL (ROADS & DRIVEWAY)	100'	25'	20'	10'	10'	20'

**NOTES:**

A. Wells located in the general path of a OWTS must be located 200 feet or more away. All public water supply wells must be 200 feet or more away.

B. Mean high water mark of defined stream or lake.

C. Drywells are not allowed above OWTS (drywells, storm water infiltrator units or other subsurface storm water infiltration units)

D. For slab on grade foundations with no drains, distance can be reduced in half.

E. For all systems involving placement of fill, separation distances are measured from the toe of slope of the fill.

F. Closest part of OWTS shall be located at least 10 feet from any water service line (i.e. - PWS main, water service connection, well).

G. Recommended

H. Septic tanks are not permitted beneath raised decks and require a minimum of 5 separation feet separation from deck piers (sonotubes).

**ADDITIONAL SEPARATION DISTANCES FROM ABSORPTION AREA TO:**

- Piped Drainage: 25 feet (horizontal or below)
- Open Channel Drainage: 50 feet
- Curtain Drain (upgrade from SSTS): 15 feet
- Curtain Drain (downgrade from SSTS): 50 feet
- Catch Basin: 50 feet
- Driveway: 5 feet
- Storm Water Basin: 100 feet (high water elevation)
- Above Ground Pool: 10 feet
- Deck with Pillings/Sonotube: 10 feet
- Slab on Grade Foundation: 10 feet
- Roof and Footing Drain Discharge Pipe: 10 feet

**SWIMMING POOLS:**

- A minimum distance of 35 feet shall be maintained between the pool and any portion of the sewage treatment area in all other directions.
- Above ground pools shall not be located over or within 10 feet of the SSTA, including the 100% replacement area.

**DECKS:**

- The minimum separation distance for deck support posts (pillings, sonotubes, etc.) to the absorption field is 10 feet and all tanks used in the SSTS (septic tanks, pump chambers, overflow tanks or pits) is 5 feet.
- This provision also applies to the deck around and above ground pool.
- In all circumstances, access to the tanks for repairs and pump-outs shall not be compromised by the deck installation.

**WCHD NOTES:**

- The design professional shall supervise the construction of the OWTS and make an open works inspection.
- Within 24-hours of the completion of the OWTS, the design professional must notify the Westchester County Department of Health that the OWTS is ready for inspection by submitting a completed request for an open works inspection on the appropriate form to the Department.
- There are no DEC wetlands on site nor within 200' of OWTS and local wetlands are greater than 100'. There are streams, ponds etc. with in 200' of SSTS. There are no reservoir/reservoir stems or controlled lake with in 500' of OWTS.
- There is 3,935 sqft of proposed disturbance.
- There are no existing or proposed wells within 100 feet of the proposed OWTS nor within 200 feet in the line of drainage.
- There are no existing OWTS within 200 feet of well unless otherwise shown on this plan.
- Estimated construction and completion date: July 2022 to July 2023.
  - Within 24 hours of the completion of the OWTS, the design professional must notify the Westchester County Department of Health (WCHD) that the OWTS is ready for inspection by submitting a completed request for an open works inspection on the appropriate form to WCHD.
  - That no backfilling of a completed OWTS can occur until after it has been inspected and accepted by the Westchester County Department of Health.
  - After backfilling the OWTS, the area shall be covered with a minimum of 4 inches of clean top soil, seeded and mulched.
- There shall be no trees within 10' of the OWTS.
- Prior to any excavation, all underground utilities must be located. Call 1-800-962-7962.

HEALTH DEPARTMENT SEPTIC SCHEDULE																					
LOT NO.	S.S.T.A AREA (S.F.)	LOT AREA (S.F.)	TEST HOLE NO.	DEEP TEST PIT DESCRIPTION	TOTAL DEPTH	DEPTH TO WATER	DEPTH TO ROCK	PERCENT SLOPE AREA	PERC TEST NO.	PERC RATE (MIN)	MIN. RATE	DESIGN DATA					REMARKS				
												APPLICATION RATE (GPD/SF)	NO. OF BEDROOMS	DESIGN FLOW RATE	TANK SIZE	REQD. TRENCH LENGTH		BANK RUN FILL DEPTH	CURTAIN DRAIN LENGTH		
52	3,752 S.F.	67,984 S.F.	TP-#1	6" T.SOIL, 6"-36" MED. SANDY LOAM & SM. COBBLES	7'-0"				PT-1	2.3 MIN											
			TP-#2	6" T.SOIL, 6"-30" MED. SANDY LOAM, 30"-84" MED. SANDS & SM. COBBLES	8'-0"			6.0%	PT-2	2.3 MIN	1-5 MIN.	1.00	5 BRM	950 GPD	1500 GAL	230 LF				DOSING REQD.	
			TP-#3	6" T.SOIL, 6"-30" MED. SANDY LOAM, 30"-84" MED. FINE SANDS & SM. COBBLES	8'-0"					PT-4	2 MIN										

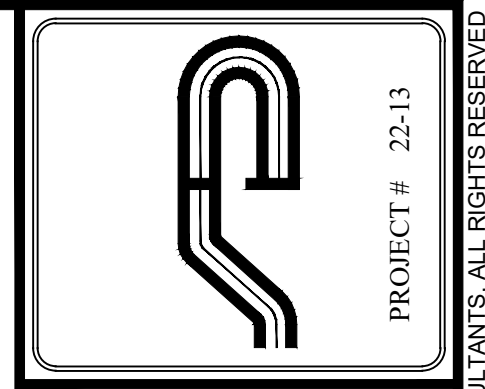
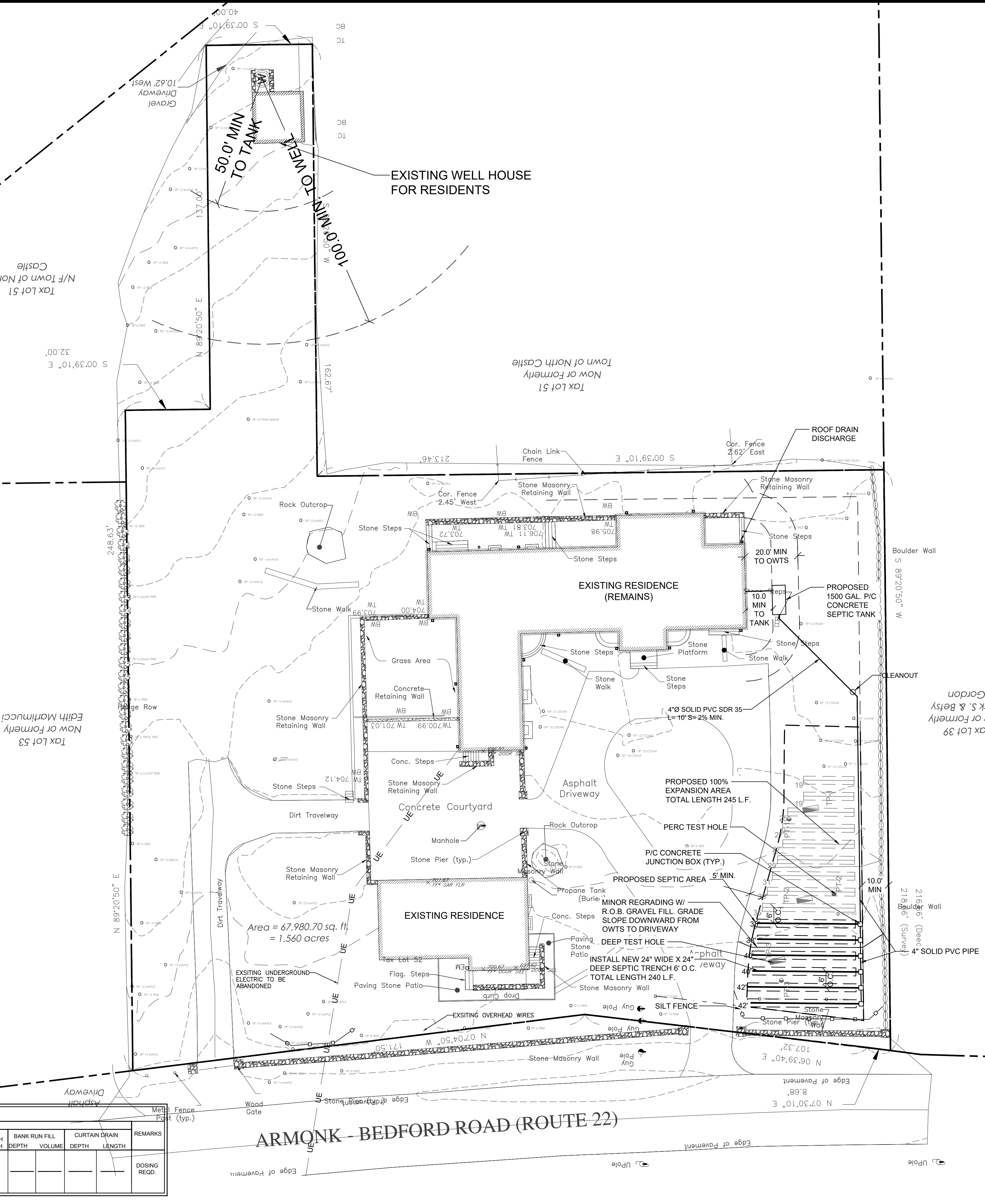
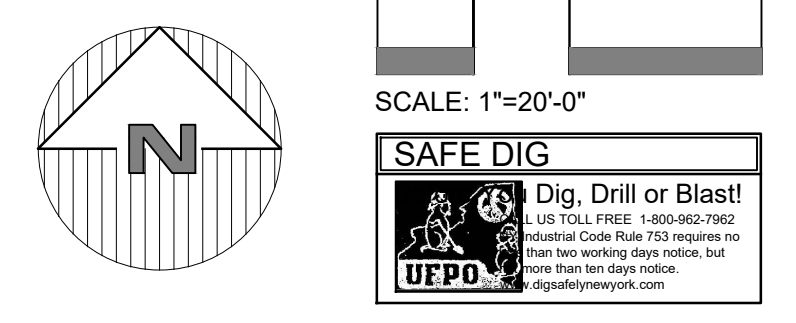
NOTE: Required trench length taken from table in WCHD Rules and Regulations. (Based on Perc Test)

**GENERAL NOTES:**

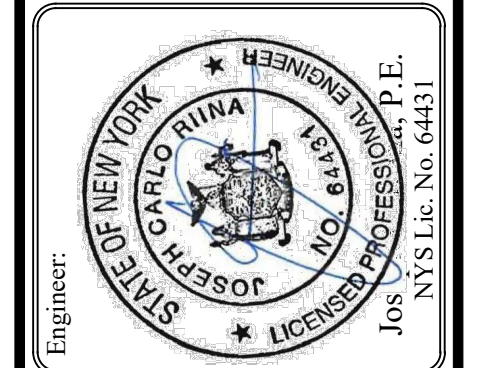
- A written permit and/or approval issued by the WCHD to construct an individual sewerage system shall terminate and therefore be null and void unless construction is undertaken within one (1) year of the date of issuance.
- If for any reason the approved construction plan cannot be followed, a revised plan must be prepared, submitted and approved by the WCHD.
- All construction to be in accordance with these plans and last revised set of WCHD Rules and Regulations
- All SSTS and wells shall be located in the exact location as shown on this plan unless otherwise authorized by the WCHD.
- Existing wells and SDS shown on this map were installed prior to approval date and are not part of this approval.
- All laundry and kitchen wastes shall be discharged into the SSTS.
- No cellar, roof or footing drains shall be discharged into the SSTS or within 25' of any well.
- The WCHD shall be notified WITHIN 24 HOURS prior to the backfilling of any completed SSTS so that a final inspection can be made. Upon completion of any backfilling, the area shall be covered with a minimum of 4" of topsoil, seeded and mulched.
- Prior to commencement of operation, a Certificate of Compliance must be applied for and received from WCHD.
- The proposed SSTS shall be isolated and protected against damage by erosion, storage of earth or materials, displacement, compaction or other adverse physical change in the characteristics of the soil or in the drainage of area
- Proposed septic area to be kept free of traffic and debris during house construction and install adequate drainage to prevent erosion after septic is installed.
- Any modifications or deviations from this plan must be approved by the Design Engineer and WCHD prior to construction.
- The Engineer shall not be held responsible or held accountable for the integrity of any structures constructed or under construction prior to the approval of the plans.
- All conditions, locations, and dimensions shall be field verified and the Engineer shall be immediately notified of any discrepancies.
- All written dimensions on the drawings shall take precedence over any scaled dimensions.
- The Design Engineer shall supervise the construction of the SSTS and make an open works inspection.
- The Design Engineer disclaims any liability for damage or loss incurred during or after construction.
- The Contractor must have a valid license from the WCHD.
- Contractor to verify all substructures encountered during construction.
- The Contractor shall supervise and direct the work under his best skill and attention. He shall be solely responsible for all construction means, methods, techniques, sequences, and procedures and for coordinating all portions of the work under the contract.
- The Contractor shall be responsible to the owner for the acts and omissions of his employees, subcontractors, and their agents and employees, and any other persons performing any of the work under a contract with the Contractor.
- Unauthorized alterations or additions to this drawing is a violation of Section 7209 (2) of the New York State Education Law.
- Survey and topographical information shown hereon prepared by surveyor: TC MERRITTS LAND SURVEYORS.

**SEPTIC CONSTRUCTION REQUIREMENTS:**

- The construction of the septic system shall meet all requirements of the latest publications and amendments of The Westchester County Health Department Rules and Regulations for The Design and Construction of Residential Subsurface Sewage Treatment Systems and Drilled Wells in Westchester County and "The Rules and Regulations of The New York State Department of Health" as set forth in 10 NYCRR, Part 75, Appendix 75-A.
- The Westchester County Health Department approval expires one year from the date on the approval stamp and is required to be renewed on or before the expiration date. The approval is revocable for cause or may be amended or modified when considered necessary by the department.
- All work performed including new installations, repairs, relocations, etc. shall have all current required permits or approvals.
- No regrading in OWTS area except as shown on this plan.
- Boulders, if any on surface of ground shall be cleared away prior to construction of the OWTS.
- The house sewer to tank connection shall be a minimum 4" diameter at a minimum slope of 2.0%. The pipe shall be cast iron, ductile iron, or sewer grade PVC. All materials shall comply to the NYS Uniform Fire Prevention and Building Code (NYFCR). The house trap shall have a cleanout and fresh air intake having a minimum diameter of one-half.
- If cover exceeds 2 feet over any installed tank or chamber, a manhole and collar to grade is required for access. Minimum requirement of 6-12" of cover over all tanks and chambers.
- Absorption Fields to be constructed of 4" perforated PVC pipe or equal, encased in crushed stone over pipe with standard precast junction boxes at influent connection and 4" solid PVC pipe running from septic tank outlet to and between junction boxes.
- Minimum Trench Depth = 18". Trench Width = 24".
- Total depth of stone in trench = 12" (washed gravel 3/4" to 1 1/2").
- Maximum backfill over trench - 14".
- All septic field laterals shall be of equal length (60' max. w/o dosing and 100' max. if dosed) and parallel to contours at a slope rate of 1/32" per foot or 0.25%.
- All pipes connecting to tank and boxes shall be cut flush with the inside wall of box.
- PVC pipe to meet minimum standards of ASTM D-2729.
- Absorption trenches shall not be installed or backfilled in wet, frozen, frost or snow covered soils.
- Backfill material for the trenches shall contain no particles with any dimension greater than 4". Backfill septic material must be inspected and approved by the WCHD before installation.
- No laterals shall be placed beneath a driveway or paved areas.
- End caps to be placed at end of all 4" perforated P.V.C. pipe in absorption fields.
- Run of bank sand and gravel and impervious material to be inspected and approved by the Design Engineer prior to installation of the proposed system. Fill shall contain no particles greater than 4" in diameter. Fill shall be placed over expansion area where shown as required by WCHD.
- Fill stabilization may not be achieved by mechanical compaction Only by a natural settling, for a period required by W.C.H.D. which may include a freeze-thaw cycle. Percolation tests must be done in stabilized fill and must meet the design rate.
- Prior to submission of Certificate of Compliance to WCHD, fill section must be stabilized with grass seed and hay cover.
- Spa pool drainage and filter backwash will not discharge to any SSTA.



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Revisions:	No.	Date	Comments
	1	10/25/22	HD Comments
	2	4/10/24	Town Comments

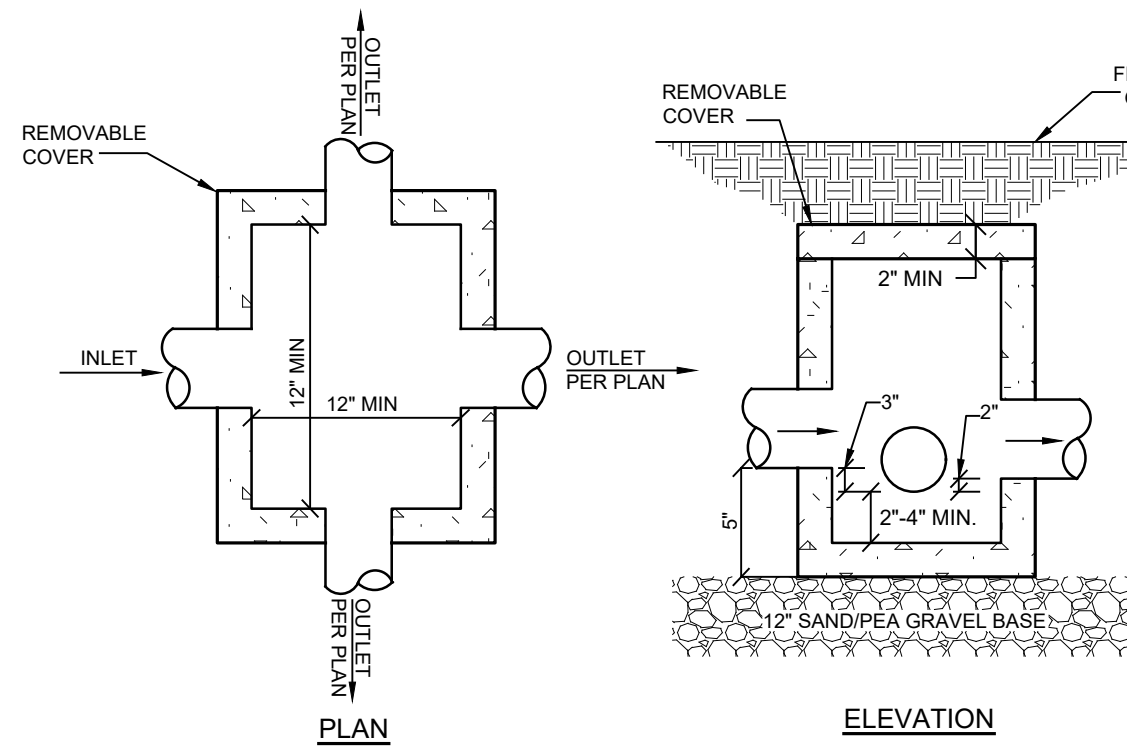
SCALE: 1" = 20'  
DRAWN BY: GO  
DATE: 06/27/22

**SEPTIC PLAN AND GENERAL NOTES**

PROPOSED SEPTIC PLAN  
PREPARED FOR  
**NICHOLAS PERPEPAJ**  
PROJECT LOCATION  
601 BEDFORD ROAD  
Westchester Co., New York

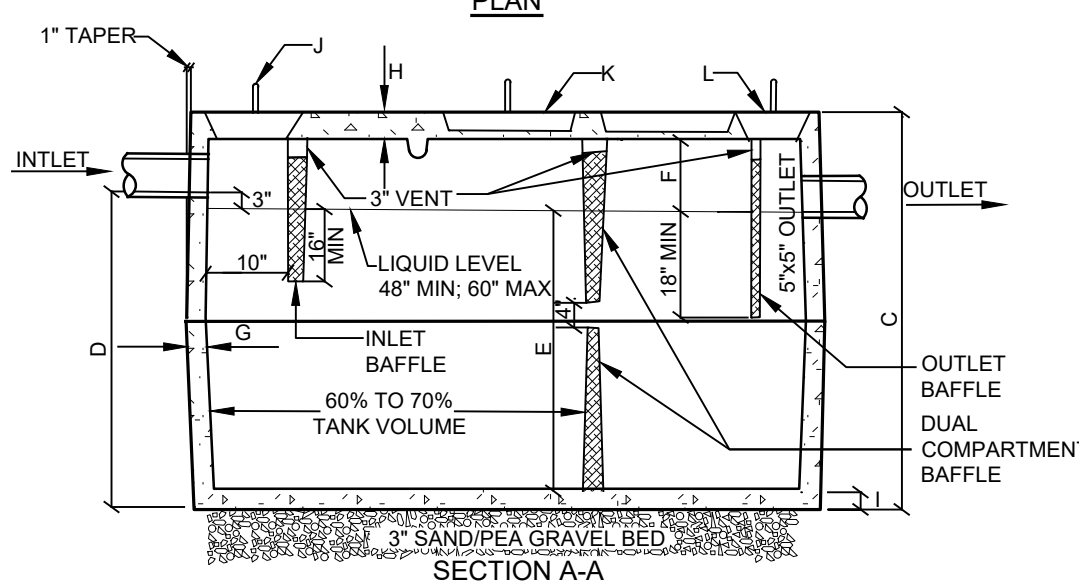
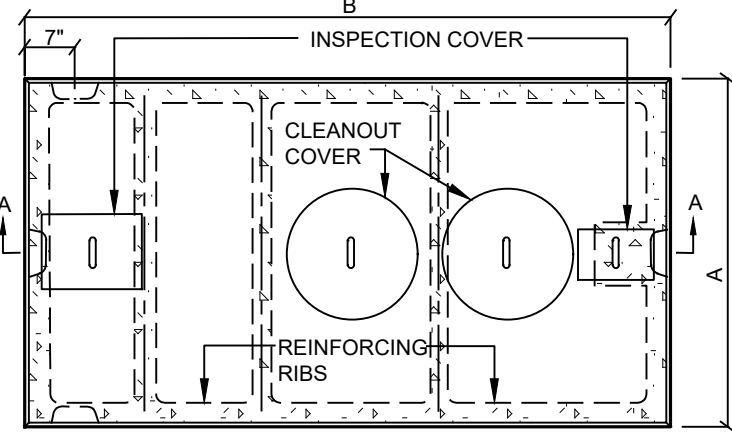
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NOTE: UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW.



- NOTES:**
- Bottom of junction box must be level and firmly supported below frost line.
  - Junction box footing shall extend to 36" below ground level.
  - Junction boxes shall be placed on single branch distributors.
  - Junction boxes shall be constructed of waterproofed masonry construction.
  - Tight joint pipe shall be used between the septic tank and junction box and between all junction boxes and laterals.
  - All pipes connecting to the junction box shall be cut flush with the inside wall.
  - Maximum cover above junction boxes shall be 12 inches.
  - The clear inside dimension of junction boxes shall be a minimum of 12" x 12".
  - All pipes shall be cut flush with inside of junction box.

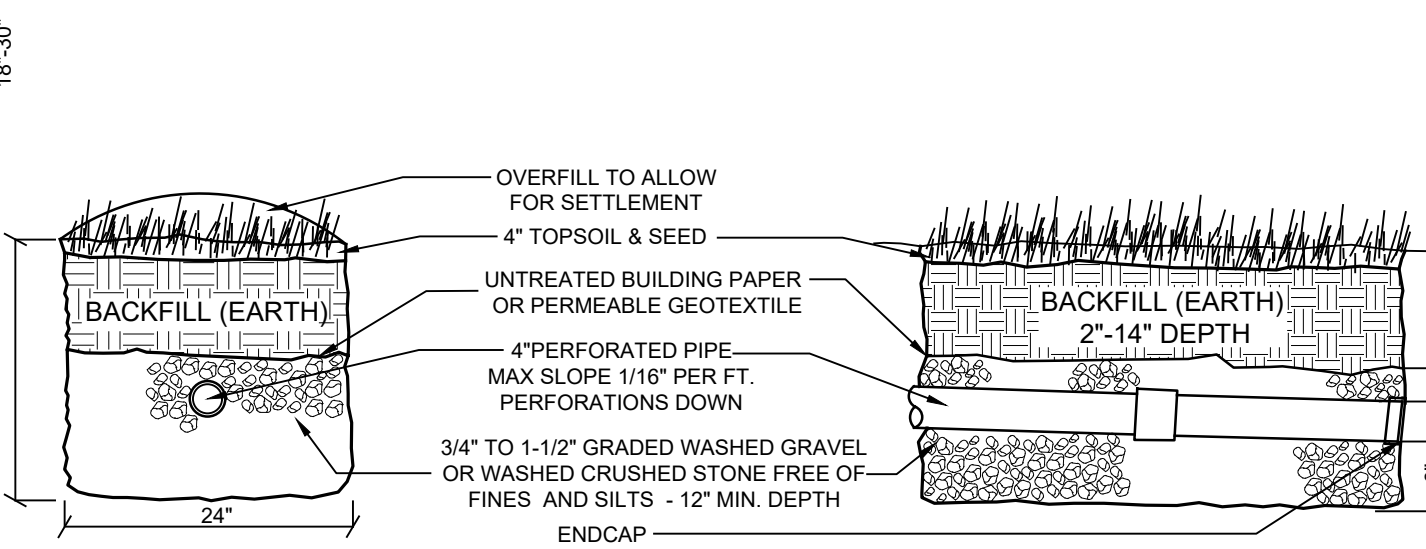
**S-1** JUNCTION BOX DETAIL  
NOT TO SCALE



LIQUID CAPACITY	A	B	C	D	E	F	G	H	I	J	K	L
1,000 Gal	50"	102"	67"	50"	48"	12"	3"	5"	4"	6"X9"	20'0"	10'X14'
1,250 Gal	50"	126"	67"	50"	48"	12"	3"	5"	4"	6"X9"	20'0"	10'X14'
1,500 Gal	65"	126"	67"	56"	48"	12"	3"	5"	4"	6"X9"	20'0"	10'X14'
2,000 Gal	78"	144"	67"	66"	48"	12"	3"	5"	4"	6"X9"	20'0"	10'X14'

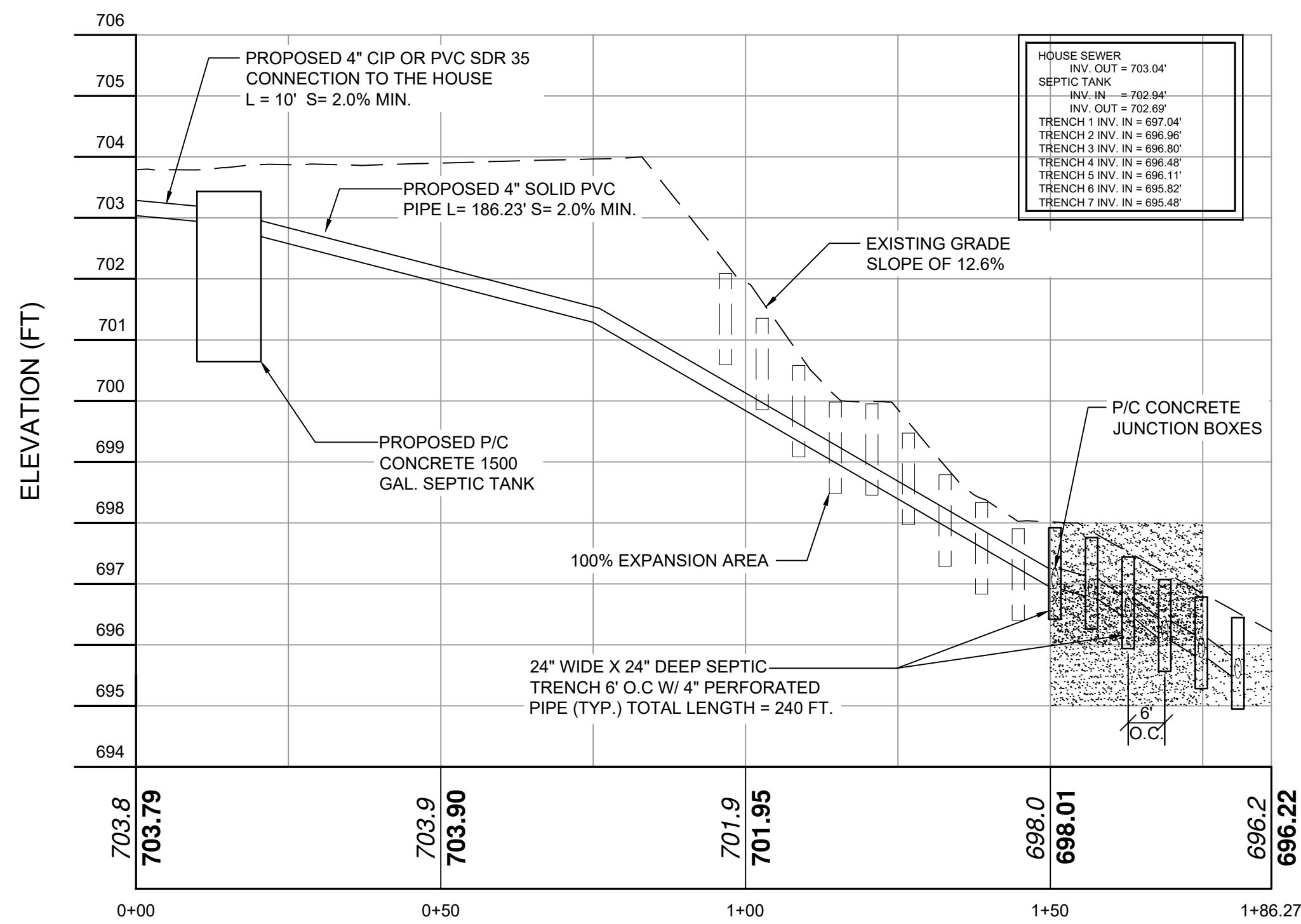
- NOTE:** Add 4" to H for H-20 Loading
- NOTES:**
- The minimum required fill cover above the septic tank shall be 6 to 12 inches with a maximum cover depth of 24 inches. When required fill cover exceeds 24 inches, manhole extensions and covers shall be installed and extended to finished grade. If the septic tank is rated for H-20 vehicle loading, the manholes, frames and covers shall be H-20 rated also.
  - The dual compartment baffle is required on all septic tanks with a length "B" equal to or greater than 10 feet.
  - For installations that require an overflow tank, a tank the same size as the septic tank shall be used. Dual compartment baffles are not required on overflow tanks regardless of the size.
  - All pipes connecting to the tank shall be cut flush with the inside wall.
  - Tank shall be manufactured by Mid Hudson Concrete Products, Inc.

**S-2** PRECAST CONCRETE SEPTIC TANK DETAIL AND OVERFLOW TANK DETAIL  
NOT TO SCALE

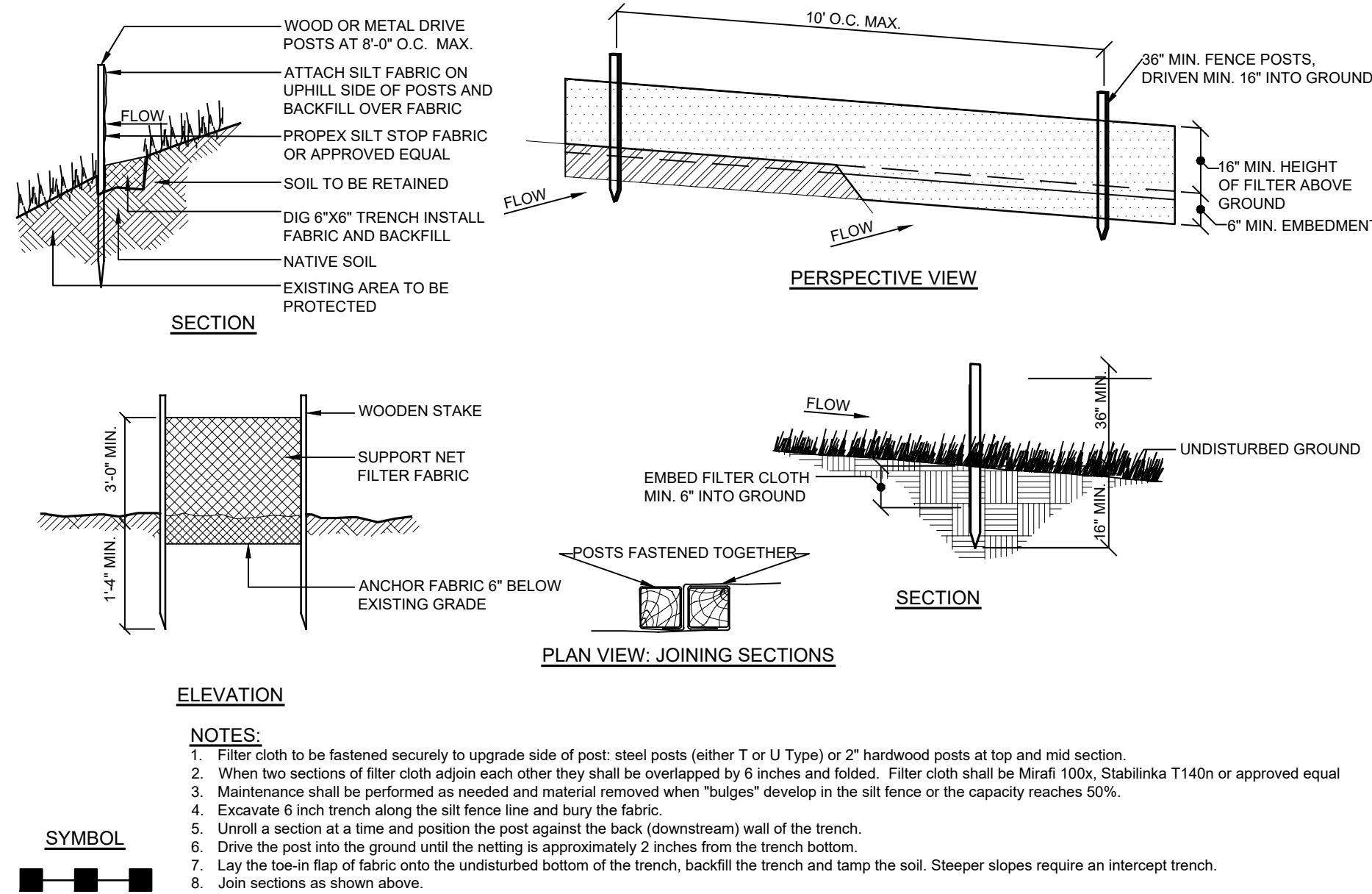


- NOTES:**
- Ends of all trenches are to be capped.
  - Minimum 5" of soil between the bottom of absorption trench and presence of groundwater table and/or creviced rock.
  - Maximum slope, 4 inch gravity distribution lines (1/16" per ft) 0.5% maximum.
  - Maximum slope, when dosing is provided (1/32" per ft) 0.25% maximum.

**S-3** PERFORATED PIPE TRENCH DETAIL  
NOT TO SCALE



**S-4** SEPTIC PROFILE  
NOT TO SCALE



- NOTES:**
- Filter cloth to be fastened securely to upgrade side of post: steel posts (either T or U Type) or 2" hardwood posts at top and mid section.
  - When two sections of filter cloth adjoin each other they shall be overlapped by 6 inches and folded. Filter cloth shall be Mirafi 100x, Stablilinka T140n or approved equal.
  - Maintenance shall be performed as needed and material removed when "bulges" develop in the silt fence or the capacity reaches 50%.
  - Excavate 6 inch trench along the silt fence line and bury the fabric.
  - Unroll a section at a time and position the post against the back (downstream) wall of the trench.
  - Drive the post into the ground until the netting is approximately 2 inches from the trench bottom.
  - 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.
  - Join sections as shown above.

**E-1** SILT FENCE DETAIL  
NOT TO SCALE

**GENERAL EROSION CONTROL NOTES:**

- Contractor shall be responsible for compliance with all sediment and erosion control practices. The sediment and erosion control practices are to be installed prior to any major soil disturbances, and maintained until permanent protection is established. Road surface flows from the site should be dissipated with tracking pad or appropriate measures during adjacent road shoulder regrading. Contractor is responsible for the installation and maintenance of all soil erosion and sedimentation control devices throughout the course of construction.
- Catch basin inlet protection must be installed and operating at all times until tributary areas have been stabilized. When possible flows should be stabilized before reaching inlet protection structure. Timely maintenance of sediment control structures is the responsibility of the Contractor.
- All structures shall be maintained in good working order at all times. The sediment level in all sediment traps shall be closely monitored and removed promptly when maximum levels are reached or as ordered by the engineer. All sediment control structures shall be inspected on a regular basis, and after each heavy rain to insure proper operation as designed. An inspection schedule shall be set forth prior to the start of construction.
- The locations and the installation times of the sediment capturing standards shall be as specified in these plans, as ordered by the Engineer, and in accordance with the latest edition of the "New York Standards and Specifications for Erosion and Sediment Control" (NYSSESC).
- All topsoil shall be placed in a stabilized stockpile for reuse on the site. All stockpile material required for final grading and stored on site shall be temporarily seeded and mulched within 7 days. Refer to soil stockpile details.
- Any disturbed areas that will be left exposed more than 7 days and not subject to construction traffic, shall immediately receive temporary seeding. Mulch shall be used if the season prevents the establishment of a temporary cover. Disturbed areas shall not be limed and fertilized prior to temporary seeding.
- All disturbed areas within 500 feet of an inhabited dwelling shall be wetted as necessary to provide dust control.
- The contractor shall keep the roadways within the project clear of soil and debris and is responsible for any street cleaning necessary during the course of the project.
- Sediment and erosion control structures shall be removed and the area stabilized when the drainage area has been properly stabilized by permanent measures.
- All sediment and erosion control measures shall be installed in accordance with current edition of NYSSESC.
- All regraded areas must be stabilized appropriately prior to any rock blasting, cutting, and/or filling of soils. Special care should be taken during construction to insure stability during maintenance and integrity of control structures.
- Any slopes graded at 3:1 or greater shall be stabilized with erosion blankets to be staked into place in accordance with the manufactures requirements. Erosion blankets may also be required at the discretion of Town officials or Project Engineer. When stabilized blanket is utilized for channel stabilization, place all of the volume of seed mix prior to laying net, or as recommended by the manufacturer.
- To prevent heavy construction equipment and trucks from tracking soil off-site, construct a pervious crushed stone pad. Locate and construct pads as detailed in these plans.
- Contractor is responsible for controlling dust by sprinkling exposed soil areas periodically with water as required. Contractor to supply all equipment and water.
- Contractor shall be responsible for construction inspections as per NYSDEC GP-0-15-002 and Town of North Castle Code.

**MAINTENANCE OF TEMPORARY EROSION AND SEDIMENT CONTROL STRUCTURES:**

- N.Y.S.D.E.C. GP-0-15-002 EXPOSURE RESTRICTIONS - States that any exposed earthwork shall be stabilized in accordance with the guidelines of this plan.
- Trees and vegetation shall be protected at all times as shown on the detail drawing and as directed by the Engineer.
  - Care should be taken so as not to channel concentrated runoff through the areas of construction activity on the site.
  - Fill and site disturbances should not be created which causes water to pond off site or on adjacent properties.
  - Runoff from land disturbances shall not be discharged off or have the potential to discharge off site without first being intercepted by a control structure, such as a sediment trap or silt fence. Sediment shall be removed before exceeding 50% of the retention structure's capacity.
  - For finished grading, adequate grade shall be provided so that water will not pond on lawns for more than 24 hours after rainfall, except in swale flow areas which may drain for as long as 48 hours after rainfall.
  - All swales and other areas of concentrated flow shall be properly stabilized with temporary control measures to prevent erosion and sediment travel. Surface flows over cut and fill areas shall be stabilized at all times.
  - All sites shall be stabilized with erosion control materials within 7 days of final grading.
  - Temporary sediment trapping devices shall be removed from the site within 30 days of final stabilization.

**MAINTENANCE SCHEDULE:**

	DAILY	WEEKLY	MONTHLY	AFTER RAINFALL	NECESSARY TO MAINTAIN FUNCTION	AFTER APPROVAL OF INSPECTOR
SILT FENCE	---	INSP.	INSP.	INSP.	CLEAN/REPLACE	REMOVE

**MAINTENANCE OF PERMANENT CONTROL STRUCTURES DURING CONSTRUCTION:**

The stormwater management system and outlet structure shall be inspected on a regular basis and after every rainfall event. Sediment build up shall be removed from the inlet protection regularly to insure detention capacity and proper drainage. Outlet structure shall be free of obstructions. All piping and drain inlets shall be free of obstruction. Any sediment build up shall be removed.

**MAINTENANCE OF CONTROLS AFTER CONSTRUCTION:**

Controls (including respective outlet structures) should be inspected periodically for the first few months after construction and on an annual basis thereafter. They should also be inspected after major storm events.

**DEBRIS AND LITTER REMOVAL:**

Twice a year, inspect outlet structure and drain inlets for accumulated debris. Also, remove any accumulations during each mowing operation.

**STRUCTURAL REPAIR/REPLACEMENT:**

Outlet structure must be inspected twice a year for evidence of structural damage and repaired immediately.

**EROSION CONTROL:**

Unstable areas tributary to the basin shall immediately be stabilized with vegetation or other appropriate erosion control measures.

**SEDIMENT REMOVAL:**

Sediment should be removed after it has reached a maximum depth of five inches above the stormwater management system floor.

**TOPSOIL:**

Existing topsoil will be removed and stored in piles sufficiently as to avoid mixing with other excavation. Stockpiles shall be surrounded by erosion control as outlined on these plans. The furnishing of new topsoil shall be of a better or equal to the following criteria (SS713.01 NYSDOT):

- The pH of the material shall not be less than 5.5 to 7.6.
- The organic content shall not be less than 2% or more than 70%.
- Gradation:

SIEVE SIZE	% PASSING BY WGT.
2 INCH	100
1 INCH	85 TO 100
1/4 INCH	65 TO 100
NO. 200 MESH	20 TO 80

**PERMANENT VEGETATIVE COVER:**

- Site preparation:
  - Install erosion control measures.
  - Scarify compacted soil areas.
  - Lime as required to pH 6.5.
  - Fertilize with 10-6-4 4 lbs/1,000 S.F.
  - Incorporate amendments into soil with disc harrow.
- Seed mixtures for use on swales and cut and fill areas.

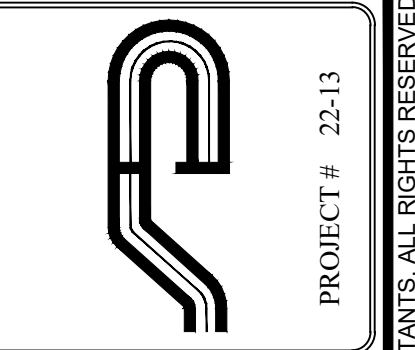
MIXTURE	LBS./ACRE
ALT. A	
KENTUCKY BLUE GRASS	20
CREEPING RED FESCUE	28
RYE GRASS OR REDTOP	5
ALT. B	
CREEPING RED FESCUE	20
REDDTOP	2
TALL FESCUE/SMOOTH BLOOMGRASS	20
- SEEDING
  - Prepare seed bed by raking to remove stones, twigs, roots and other foreign material.
  - Apply soil amendments and integrate into soil.
  - Apply seed uniformly by cyclone seeder culti-packer or hydro-seeder at rate indicated.
  - Stabilize seeded areas in drainage swales.
  - Irrigate to fully saturate soil layer, but not to dislodge planting soil.
  - Seed between April 1st and May 15th or August 15th and October 15th.
  - Seeding may occur May 15th and August 15th if adequate irrigation is provided.

**TEMPORARY VEGETATIVE COVER:**

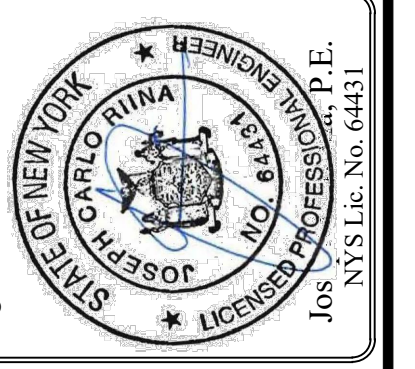
- SITE PREPARATION:**
- Install erosion control measures.
  - Scarify areas of compacted soil.
  - Fertilize with 10-10-10 at 400/acre.
  - Lime as required to pH 6.5.

SEED SPECIES:	LBS./ACRE
MIXTURE	
Rapidly germinating annual ryegrass (or approved equal)	20
Perennial ryegrass	20
Cereal oats	36

**SEEDING:**  
Same as permanent vegetative cover



**Site Design Consultants**  
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**Revisions:**

No.	Date	Comments
1.	10/25/22	HD Comments
2.	4/10/24	Town Comments

**SCALE:** AS NOTED  
**DRAWN BY:** GO  
**DATE:** 06/27/22

**SEPTIC PROFILE AND DETAILS**

**PROPOSED SEPTIC PLAN**  
PREPARED FOR  
**NICHOLAS PERPEPAJ**  
PROJECT LOCATION  
601 BEDFORD ROAD  
Westchester Co., New York