

CAMPBELL ENGINEERING PC

Civil Engineers

John Kellard, PE
Kellard Sessions Consulting
500 Main Street
Armonk, NY 10504

May 5, 2023

Re: Weinhoff Property
3 Maple Way
Town of Armonk

Dear Mr. Kellard

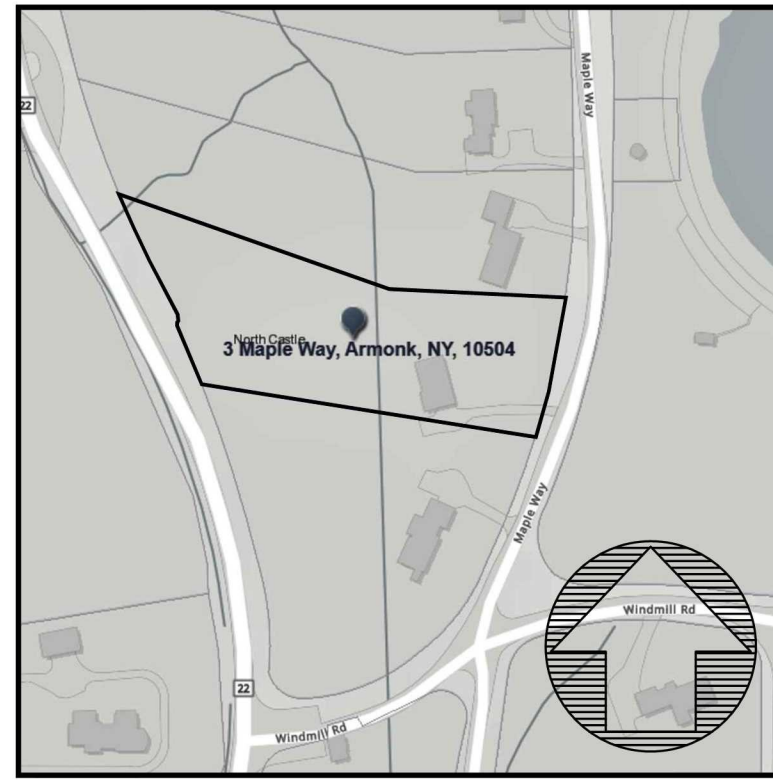
We have addressed your comments provided to me at our meeting on May 4, 2023.
If you have any questions or comments, please call.

Thank You,

Michael H Campbell, PE

5 Schuman Road
Millwood, NY 10546

Phone (914)238-3555
Fax (914)238-3435
Michael@914engineer.com



LOCATION MAP
N.T.S.

LEGEND:
 - Existing Contours
 - Proposed Contours

SOIL LEGEND
 - Soil boundary

Soil Legend:
 CrC : Charlton-Chatfield complex, hilly, very rocky
 PnB : Paxton fine sandy loam, 2 to 8 percent slopes
 PnC : Paxton fine sandy loam, 8 to 15 percent slopes
 RdB : Ridgebury loam, 3 to 8 percent slopes
 Sh : Sun loam

SEPTIC SYSTEM NOTES:

- 6-Bedroom residential system
- 1,104 L.F. of 24" trench
- Minimum 6' O.C.
- 2,000 gallon septic tank
- 2' Bankrun fill required, based on Deep Test Results (DTH)
- 12 Junction boxes (J.B.) with end caps
- Design Flow: 660 gallons per day (G.P.D.)
- Slope at OWTS Area: 5% (Average)
- Watershed Designation: Long Island Sound (not NYC)
- Area of Disturbance (Approx. Total): ±74,752 sq. ft. (1.72 Ac)

PERCOLATION TEST RESULTS (minutes/inch)	
Septic System	
P ₁	42.0
P ₂	30.0
P ₃	42.0
P ₄	40.0

GENERAL NOTES:

- As per Westchester County Code of Ordinance Sec. 873.729. When a public sanitary sewer shall become available to the property so served, a direct connection shall be made to such public sanitary sewer and any onsite wastewater treatment system shall be abandoned and every tank or pit in such system shall be opened, emptied of any sewage and completely filled with inert material.
 - The owner of the property acknowledges that the Town of North Castle and other agencies having jurisdiction shall have the right to enter the property at reasonable times and in a reasonable manner for purposes of inspection.
 - Each contractor who will be involved in a land development activity must have proof that he/she has received training and/or certification in proper erosion and sedimentation control practices.
 - For each truck delivering fill to the above-mentioned site, a Manifest shall be submitted and signed by the owner and/or engineer indicating the following:
 - Delivery date
 - Origin of fill
 - Type of fill
 - Certification by a New York State Licensed Professional Engineer that the fill delivered is in compliance with paragraph 360-7.1(b)(1) of NYCR Part 360 - Solid Waste Management.
- Note: If the fill material, as determined by the Town of North Castle, is considered to be non-exempt material as per paragraph 306-7.1(b)(1) of 6 NYCR Part 360 - Solid Waste Management then the property owner and/or engineer may be required to perform and/or submit additional information.
- Upon completion of the project an As-Built Site Plan will be submitted showing the all improvements including the location of the Water Service Line and the Sewer Force main.

Applicant/Owner:
 Greg & Elissa Weinhoff
 3 Maple Way
 North Castle, NY 10504

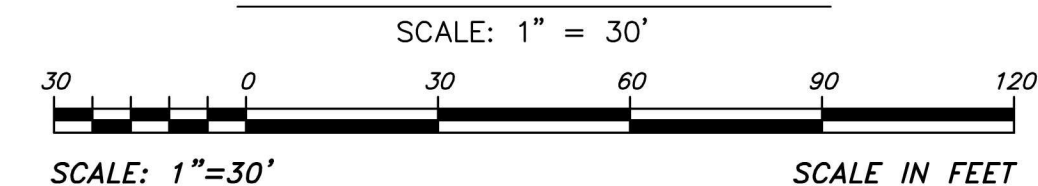
Site Address:
 3 Maple Way
 North Castle, NY 10504

Note: Unauthorized alterations or additions to this drawing are a violation of Section 7209(2) of the New York State Education Law.

DESIGN DATA												
LOT N°	AREA (acres)	TEST PIT DESCRIPTION (ONLY WITNESSED DEEP HOLE TESTS)	% SLOPE AT OWTS AREA (average)	PERC. RATE (min/in)	DEPTH TO WATER	DEPTH TO IMPERV. LAYER	LENGTH OF FIELDS		BANK RUN FILL		SEPTIC AREA (sq. ft)	REMARKS
							6-Br SYSTEM	DEPTH	VOLUME (cu. yd.)	AREA (sq. ft)		
74	1.99	1) 6" TOP SOIL; 6" - 84" SILTY LOAM SOIL; WATER AT 60" 2) 6" TOP SOIL; 6" - 84" SILTY LOAM SOIL; WATER AT 60" 3) 6" TOP SOIL; 6" - 90" SILTY LOAM SOIL; 15" - 90" CLAY LENS; WATER AT 90" 4) 6" TOP SOIL; 6" - 30" MEDIUM SANDY LOAM SOIL; 30" - 84" SILTY LOAM SOIL; WATER AT 66" 5) 6" TOP SOIL; 6" - 20" MEDIUM SANDY LOAM SOIL; 20" - 88" SILTY LOAM SOIL; WATER AT 88"	5%	1) 42.0 2) 30.0 3) 42.0 4) 40.0	5'	7' or deeper	1,104 LF	2' - 0"	1,089.10	14,702.80	1) 2' of Bankrun Fill 2) 2 Pumps to be used in the proposed Pump Chamber	



PROPOSED SITE PLAN



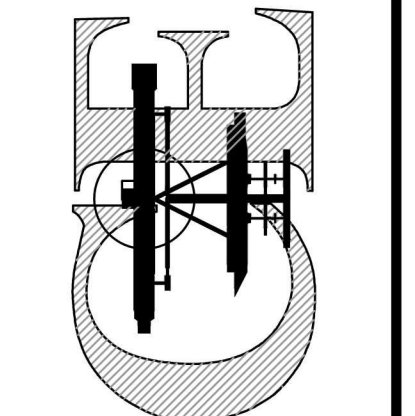
GENERAL NOTES:

- There shall be no trees within 10 feet of the OWTS (Onsite Wastewater Treatment System).
- There are no wells within 200' of OWTS unless otherwise shown on plan.
- The proposed OWTS areas 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 the area.
- If for any reason the approved construction plan can not be followed, a revised plan must be prepared, submitted, and approved by WCDH.
- 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 (WCDH) that the OWTS is ready for inspection by submitting a completed request for an open works inspection on the appropriate form to WCDH.
- 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.
- The installation of the OWTS shall be in accordance with the Rules and Regulations for the Design and Construction of Residential Subsurface Sewage Treatment Systems and Drilled Wells in Westchester County, NY.
- All pipes connecting to tank and boxes shall be cut flush with the inside wall of box.
- The proposed OWTS shall be installed by a Westchester County licensed septic contractor.
- Prior to any excavation all underground utilities must be located. Call 1-800-962-7962 (Dig Safely). (<http://www.digsafelynewyork.com>)
- The Westchester County Department of Health 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. There are no sources of contamination within 200 feet of the proposed well (where new wells are proposed).
- There are no Reservoirs, Reservoir stems or controlled lake within 500 feet of the proposed OWTS unless otherwise shown on plan.
- There are no NYSDEC wetlands or watercourses within 200 feet of the proposed OWTS unless otherwise shown on plan.
- NYCDEP must be contacted at least two days prior to start of construction of the OWTS so that the NYCDEP may inspect and monitor the installation.
- All gravel used for trench construction must be thoroughly washed prior to installation.
- Unauthorized alteration or addition to this drawing is a violation of Sec. 7209, Subdivision 2 of the New York State Education Law.
- I will supervise construction of the sewage treatment system on this site for conformance to the department of health rules and regulations.

No.	GENERAL REVISIONS & ADJUSTMENTS	DATE

PROPOSED SEPTIC PLAN
 Prepared for
Greg & Elissa Weinhoff
 3 Maple Way
 North Castle, NY 10504
 Date: 04/12/2022

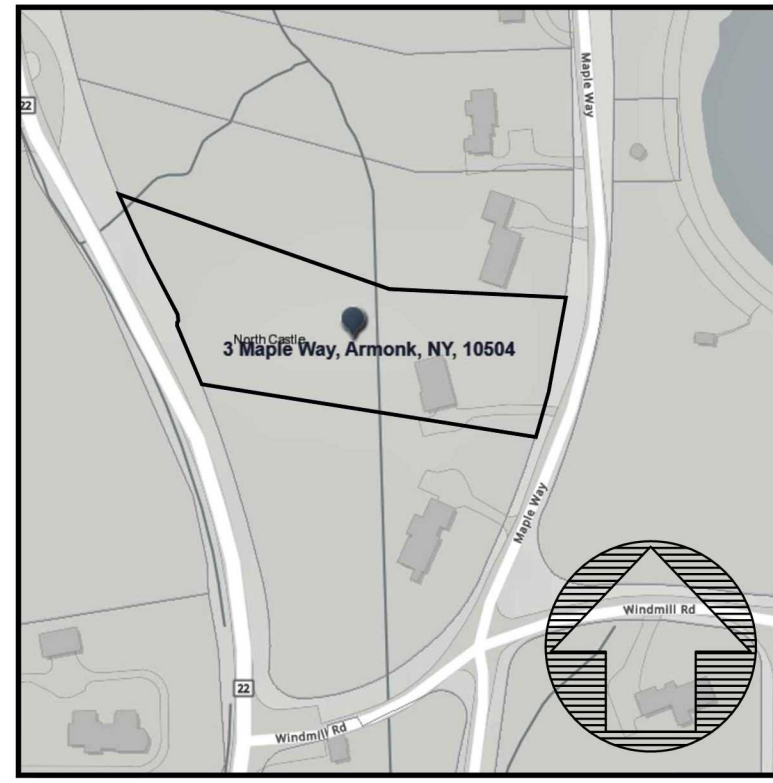
CAMPBELL ENGINEERING
 Civil Engineers
 Hydrology, Land Planners
 Sanitary and Storm Sewers
 Water Supply and Sewage Disposal
 Michael H. Campbell, PE
 5 Schuman Road
 Millwood, NY 10546
 Michael@914engineer.com
 (914)238-3555
 Fax(914)238-3435



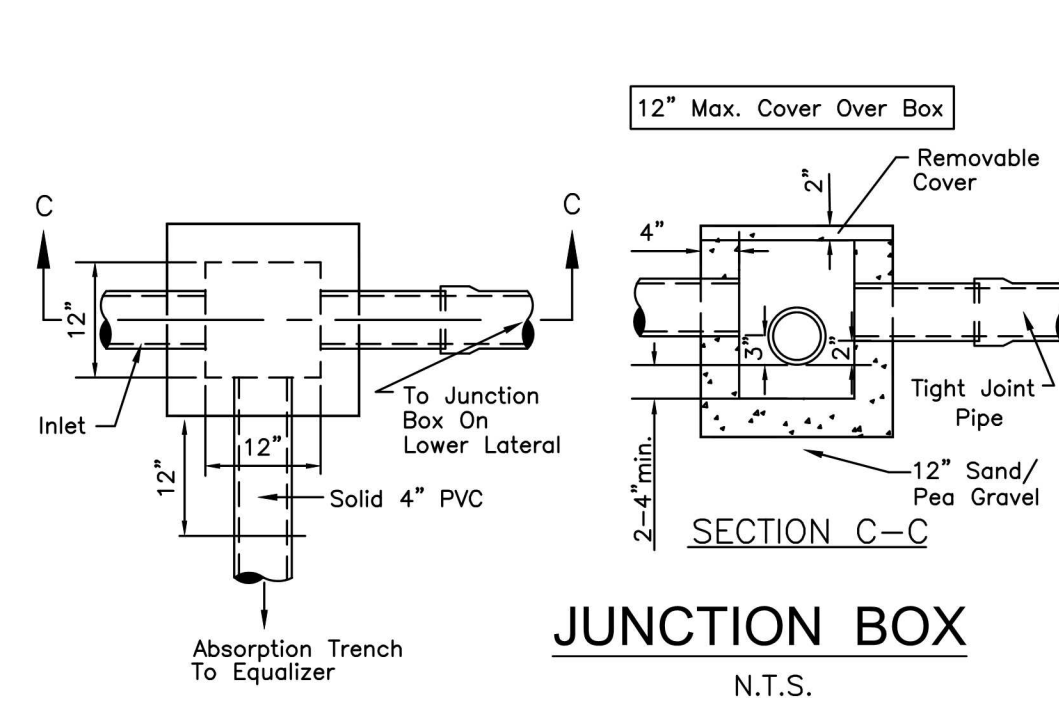
SCALE: AS NOTED
 SHEET 1 OF 5

S-1

Note: Topography from Westchester County Mapping and site survey. Accuracy of, or completion of sub-surface information is not certified.

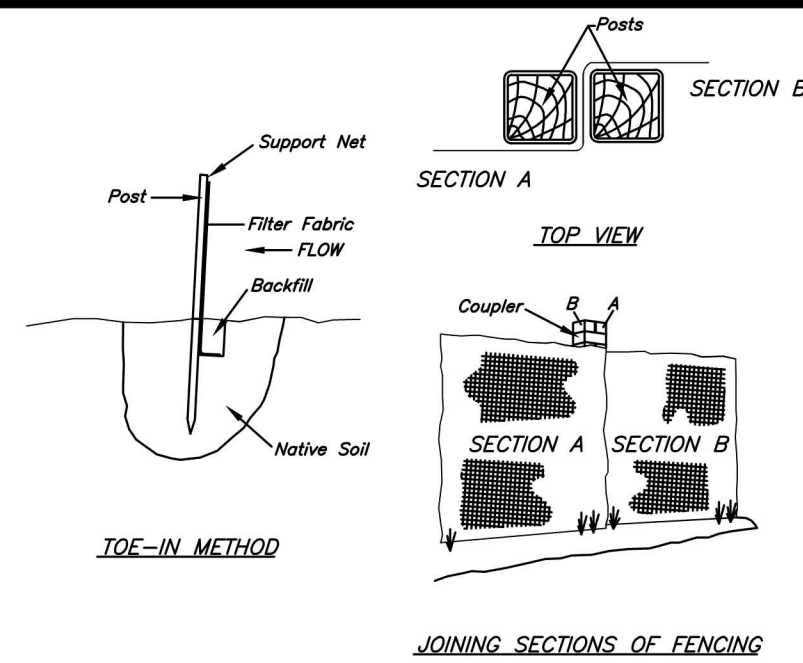


LOCATION MAP
N.T.S.



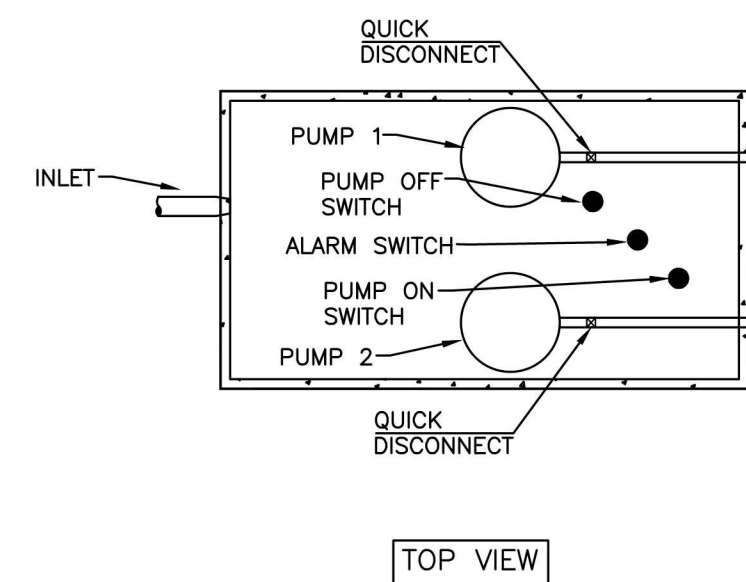
JUNCTION BOX
N.T.S.

- NOTES:
- Bottom of box must be level and firmly supported to below frost line. Footing to extend to 36" below ground level.
 - Placed on single branch distributors.
 - Waterproofed masonry construction.
 - Tight joint pipe from septic tank to box and between all boxes.
 - First 12" of lateral to be solid 4" PVC.
 - Inside pipes to be cut flush with inside of junction box



SILT FENCE
N.T.S.

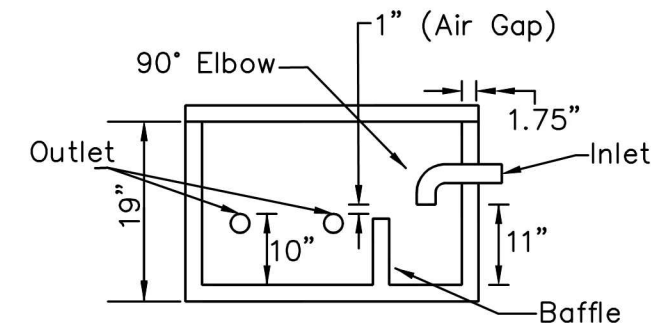
- Installation Notes:
- Excavate a 4"x4" Trench along the Lower Perimeter of the Site.
 - Unroll a Section at a Time and Position the Posts against the Back (Downstream).
 - Drive the Post into the Ground until the Netting is approximately 2" from the Trench Bottom.
 - Lay the Toe-In Flap of Fabric onto the Undisturbed Bottom of the Trench; Backfill the Trench and Tamp the Soil; Steeper Slopes Require an Intercept Trench.
 - Join Sections as shown above.



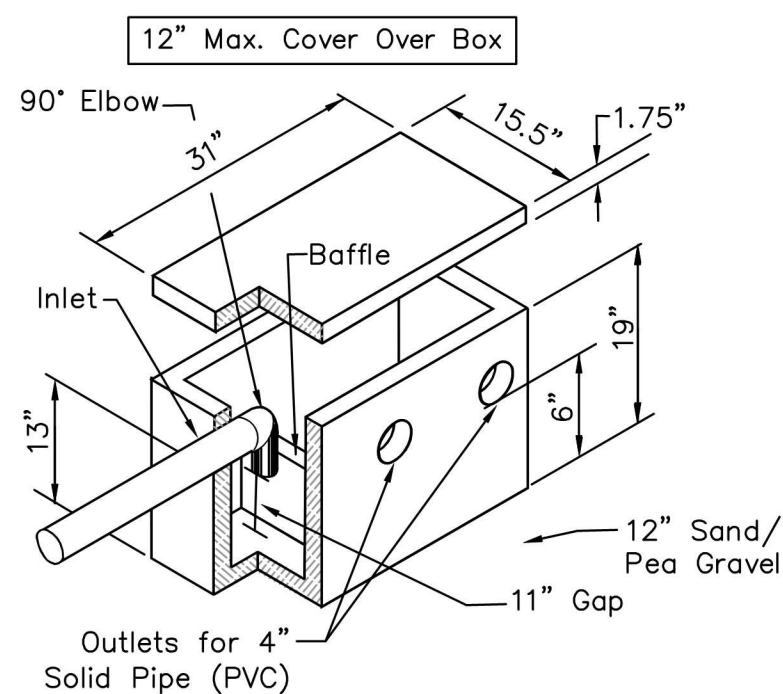
2000 GALLON PUMP CHAMBER OVERFLOW STORAGE (w/ 2 PUMPS)
N.T.S.

by: M&M Precast Corporation (2000-PH)
Concrete 4000 PSI 28 days

- NOTES:
- AUDIO/VISUAL HIGH LEVEL ALARM MUST BE INSTALLED WITHIN THE DWELLING AND THE PRESENCE OF A CHECK VALVE TO BE INSTALLED ON THE FORCE MAIN.
 - PUMPS TO ALTERNATE ELECTRONICALLY WITH EACH CYCLE.
 - QUICK DISCONNECT, IF REQUIRED, TO BE CHAINED TO EACH PUMP.
 - MANHOLE, IF REQUIRED, SHALL BE A MINIMUM OF 20" IN DIAMETER.



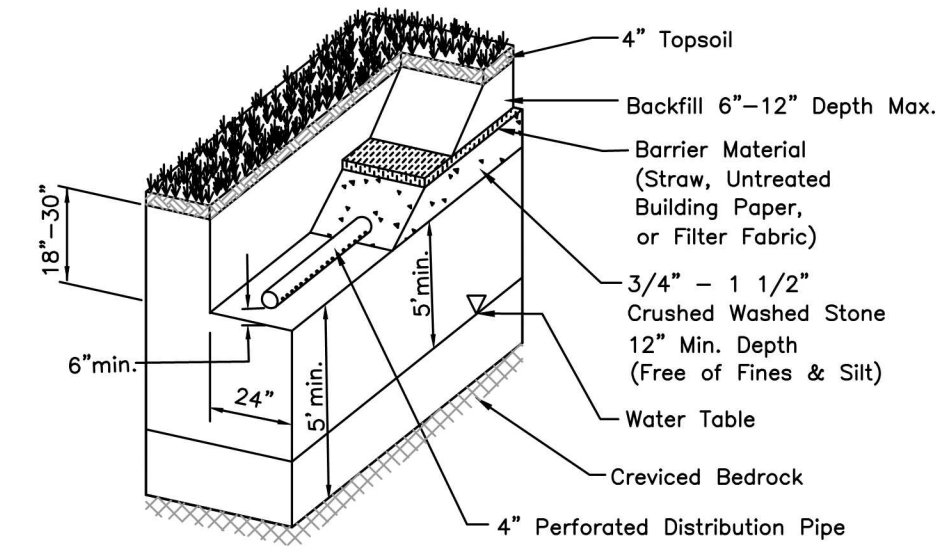
CROSS-SECTION



DISTRIBUTION BOX
N.T.S.

by: M&M Precast Corporation (NY-1500-S)
Concrete 4000 PSI 28 days
(3000 PSI is recommended as a minimum)

- NOTES:
- Bottom of box must be level and firmly supported to below frost line. Footing to extend to 36" below ground level.
 - Waterproofed masonry construction.
 - All outlets to be at the same elevation.
 - Tight joint pipe from septic tank to box and between all boxes.
 - Outlet pipes to be cut flush with inside of distribution box.

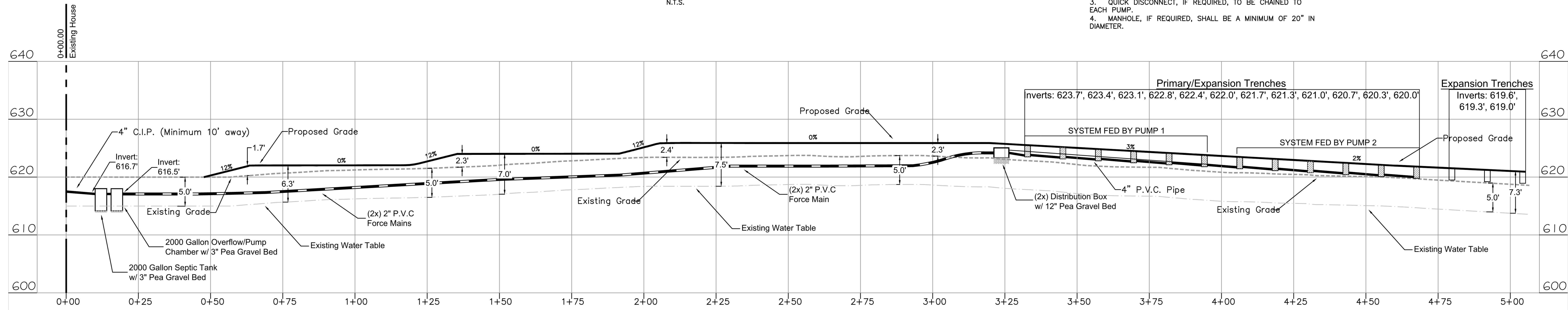


TRENCH DETAIL
N.T.S.

Applicant/Owner:
Greg & Elissa Weinhoff
3 Maple Way
North Castle, NY 10504

Site Address:
3 Maple Way
North Castle, NY 10504

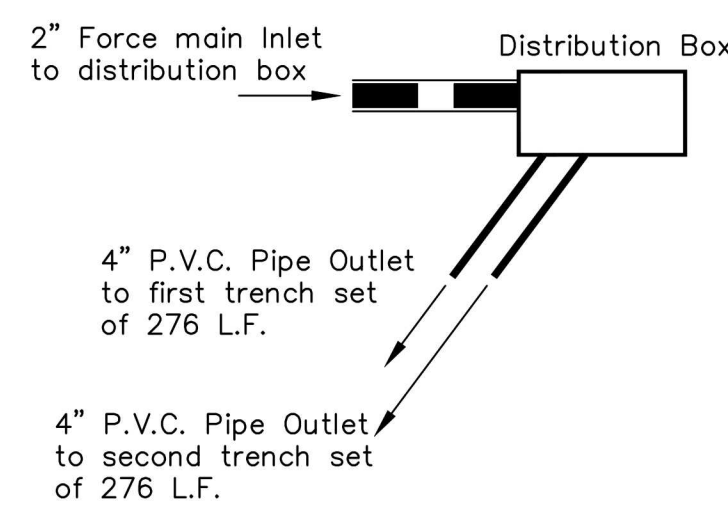
Note:
Unauthorized alterations or additions to this drawing are a violation of Section 7209(2) of the New York State Education Law.



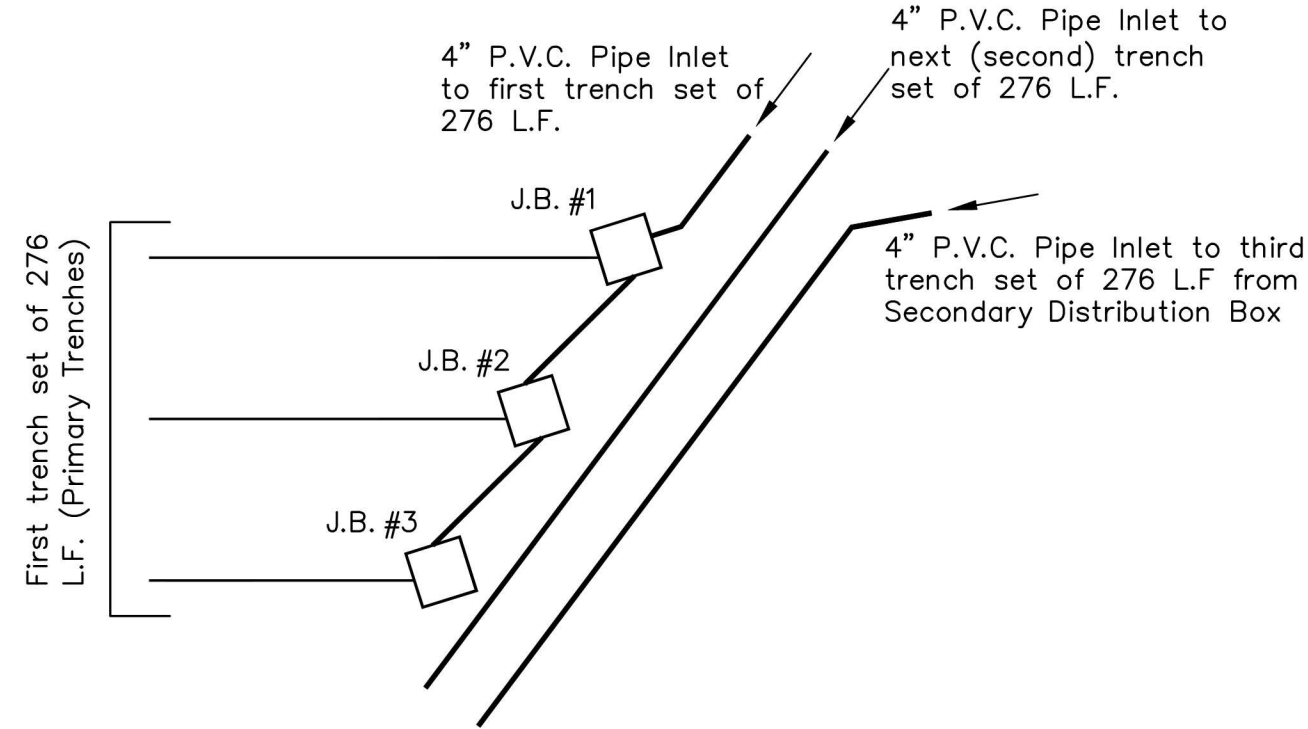
PROPOSED ONSITE WATER TREATMENT SYSTEM PROFILE

SCALE: 1" = 10' VERT. 1" = 20' HORZ.

TOP VIEW: DISTRIBUTION BOX ISOLATION (2)

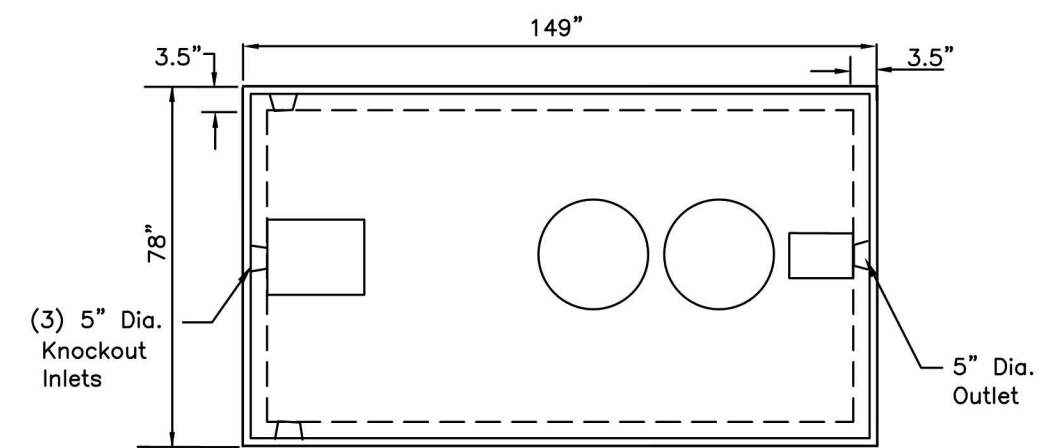


TOP VIEW: FIRST TRENCH SET OF 276 L.F. ISOLATION



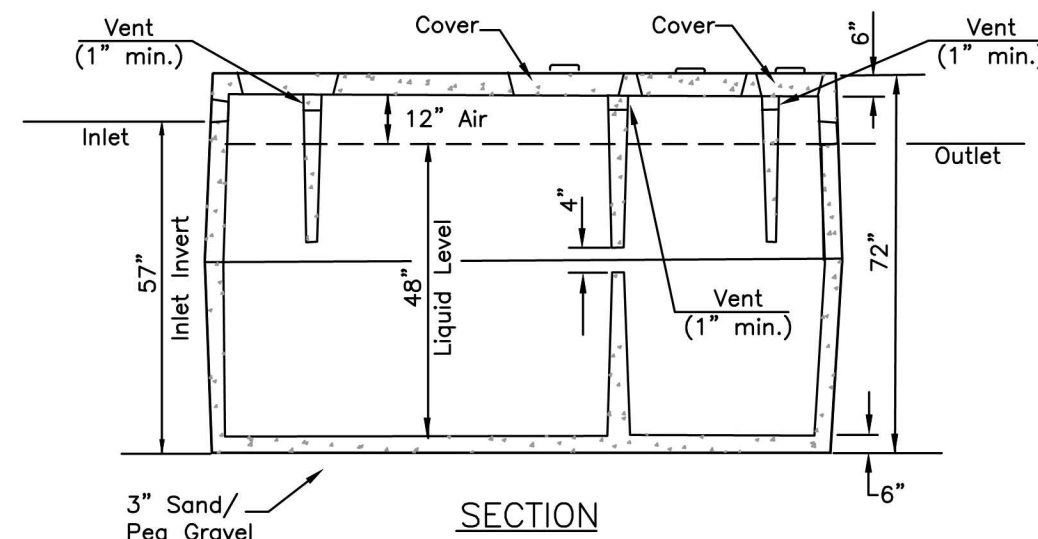
SEPTIC SYSTEM CONNECTION DETAIL
N.T.S.

- NOTES:
- Every 4" P.V.C. pipe for each set will finish at the 276 L.F. of trench mark.
 - After every 276 L.F. a new set of trenches will begin.



PLAN VIEW

Note: The top of the tank should have a min. cover of 6-12" and a maximum cover of 2 feet. Where there is more than 2 feet of cover, 20" diameter manholes to grade must be provided.



SECTION

2000 GALLON SEPTIC TANK
N.T.S.

by: M&M Precast Corporation (NY-2000-S)
Concrete 4000 PSI 28 days
(3000 PSI is recommended as a minimum)

HAZEN-WILLIAMS FORMULA
USING THE HAZEN-WILLIAMS FORMULA THE FOLLOWING DATA WAS USED TO CALCULATE THE HEADLOSS WITHIN THE FORCEMAIN.

- FORCEMAIN LENGTH 316 FEET.
- CHANGE IN ELEVATION .4 FEET.

USING THE PERFORMANCE CURVE FOR THE PROPOSED PUMP, PROVIDED BY THE MANUFACTURER THE FLOW AND HEADLOSS FOR THIS DESIGN WAS DETERMINED TO BE:

- VELOCITY 5.79 FEET/SECOND.
- THE FLOW AND HEADLOSS FOR THIS DESIGN WAS DETERMINED TO BE 58.2 GPM AT 30.22 FEET.

PUMP DRAW CALCULATION

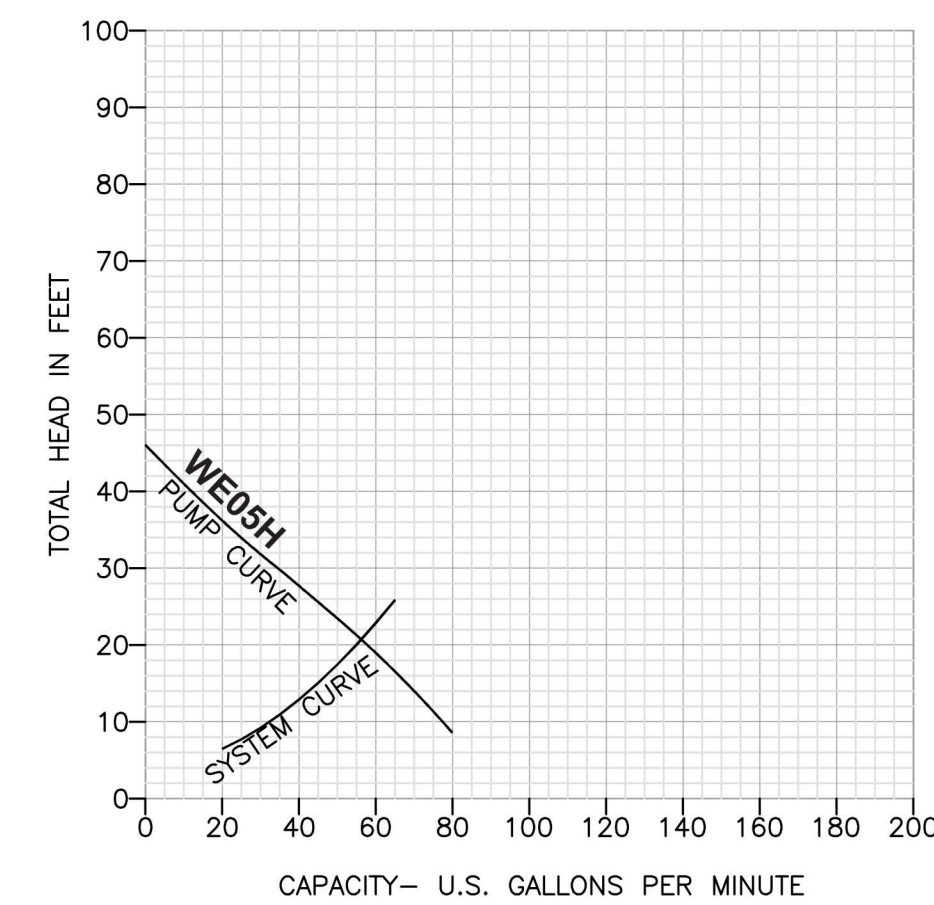
11.9' x 6.0' = 71.4 sq. ft.
71.4 sf x 7.48(gal/cu.ft.) = 534.07 gal./ft
1104 LF ÷ 4 = 276 Gallcycle + 48.9 Gallcycle (From 2" Force Main)
324.9 gal. ÷ 534.07 gal./ft. = 0.608' x 12"/1' = 7.30"
Draw = 7.3"

PUMP CHAMBER OVERFLOW CALCULATION

615.9' (inlet) - 612.6' (alarm on) = 3.3'
3.3' x 71.4 sq ft = 235.62 cu ft
235.62 cu ft x 7.48 gal/cu ft = 1,762.4 Gallons

PUMP CHAMBER CAPACITY

The Pump Chamber has a Capacity of 1,762.4 gallons above the "Alarm Switch On" level. The required Capacity for overflow is 660 gallons or 110 gallons per bedroom.



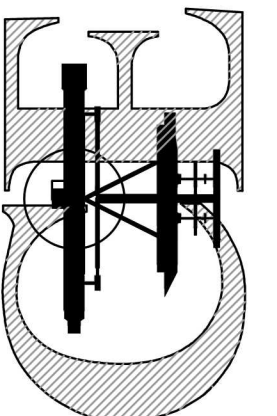
GRAPH NOTES:

- Operating Point from septic located at 56.2 g.p.m. and 20.8 feet.
- Velocity at Operating Point is 5.79 ft/s.

No.	GENERAL REVISIONS & ADJUSTMENTS	DATE
1		05-05-23

DETAILS FOR PROPOSED SEPTIC PLAN
Prepared for
Greg & Elissa Weinhoff
3 Maple Way
North Castle, NY 10504
Westchester Co., N.Y.
Tax Map: Sh. 101.04, Blk. 2, Lot 74
Date: 07/11/2022

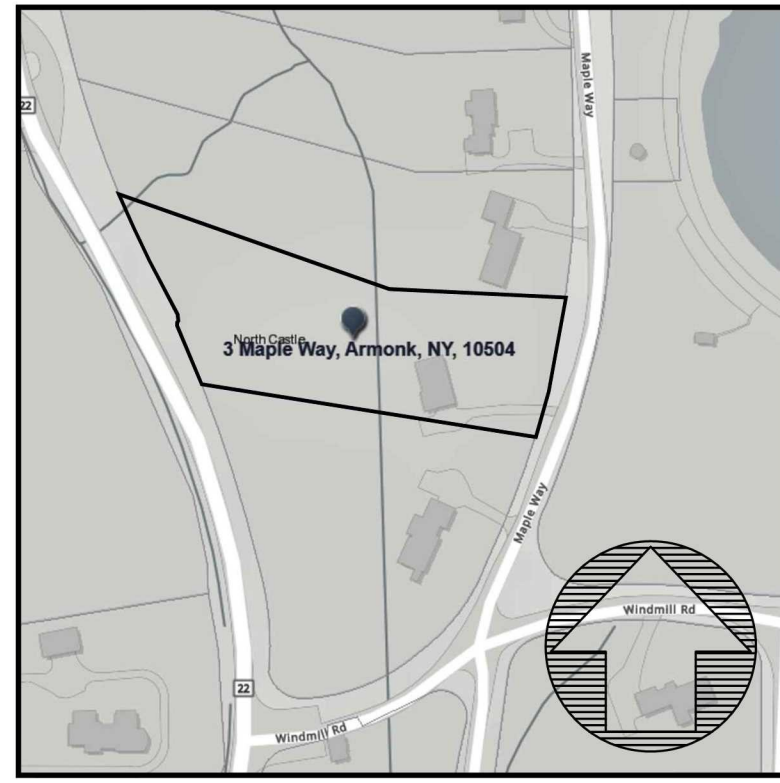
CAMPBELL ENGINEERING
Civil Engineers
Hydrology Land Planners
Sanitary and Storm Sewers
Water Supply and Sewage Disposal
Michael H. Campbell, PE
5 Schuman Road
Millwood, NY 10546
Michael@914engineer.com
(914)238-3555
Fax(914)238-3435



SCALE: AS NOTED
SHEET 2 OF 5

S-2

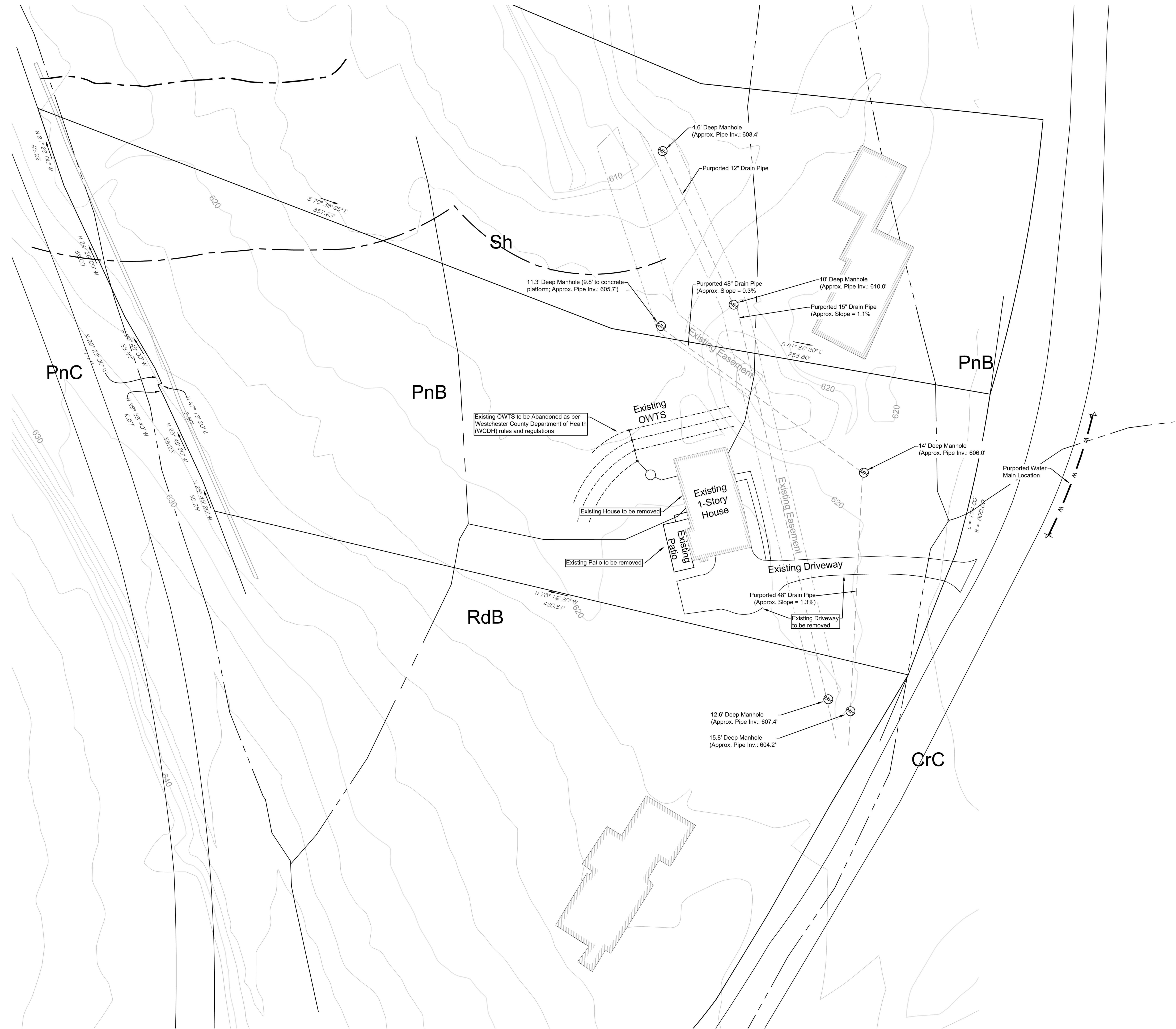
Note:
Topography from Westchester County Mapping and site survey. Accuracy of, or completion of sub-surface information is not certified.



LOCATION MAP
N.T.S.

LEGEND:

Existing Contours



EXISTING CONDITIONS PLAN

SCALE: 1" = 30'



SCALE: 1"=30'

SCALE IN FEET

Applicant/Owner:
Greg & Elissa Weinhoff
3 Maple Way
North Castle, NY 10504

Site Address:
3 Maple Way
North Castle, NY 10504

Note:
Unauthorized alterations or additions to this drawing are a violation of Section 7209(2) of the New York State Education Law.

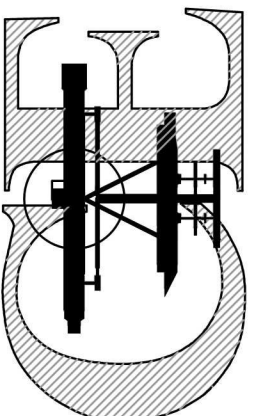
No.	REVISIONS & ADJUSTMENTS	DATE
1	GENERAL REVISIONS	05-05-23

EXISTING SITE CONDITIONS

Prepared for
Greg & Elissa Weinhoff
3 Maple Way
Town of North Castle
Westchester Co., N.Y.
Tax Map: Sh. 101.04, Blk. 2, Lot 74
Date: 04/12/2022

CAMPBELL ENGINEERING

Civil Engineers
Hydrology Land Planners
Sanitary and Storm Sewers
Water Supply and Sewage Disposal
Michael H. Campbell, PE
5 Schuman Road
Millwood, NY 10546
Michael@914engineer.com
(914)238-3555
Fax(914)238-3435

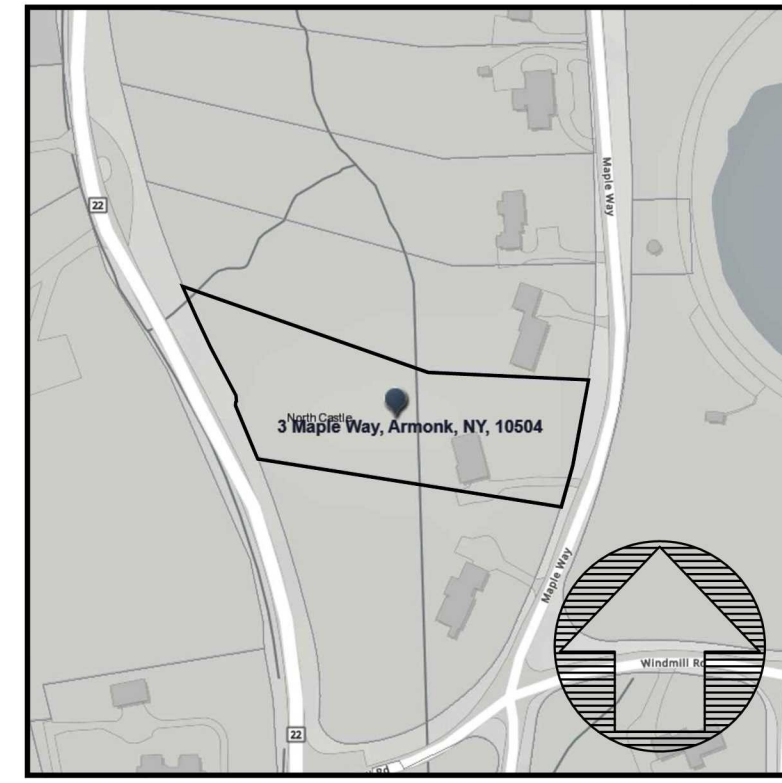


SCALE: AS NOTED

SHEET 3 OF 5

S-3

Note:
Topography from Westchester County Mapping and site survey. Accuracy of, or completion of sub-surface information is not certified.



LOCATION MAP
N.T.S.

LEGEND:

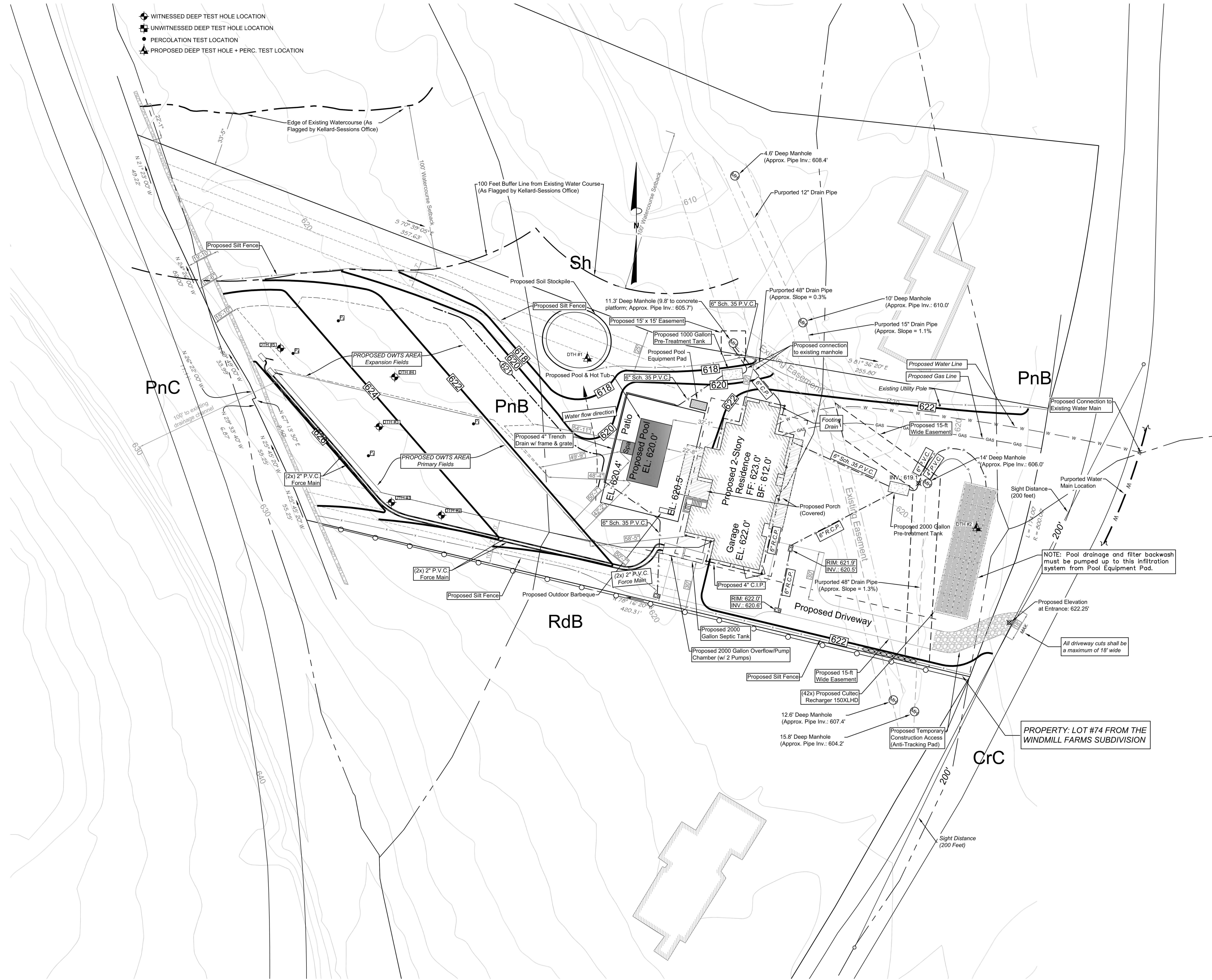
- Existing Contours
- Proposed Contours

SOIL LEGEND

- Soil boundary
- CrC : Charlton-Chatfield complex, hilly, very rocky
- PnB : Paxton fine sandy loam, 2 to 8 percent slopes
- PnC : Paxton fine sandy loam, 8 to 15 percent slopes
- RdB : Ridgebury loam, 3 to 8 percent slopes
- Sh : Sun loam

ADDITIONAL NOTES:

- The pool draw-down shall be connected to the leaders and flow to the infiltration system by means of a pump.



PROPOSED DRAINAGE PLAN

SCALE: 1" = 30'



Applicant/Owner:
 Greg & Elissa Weinhoff
 3 Maple Way
 North Castle, NY 10504

Site Address:
 3 Maple Way
 North Castle, NY 10504

Note:
 Unauthorized alterations or additions to this drawing are a violation of Section 7209(2) of the New York State Education Law.

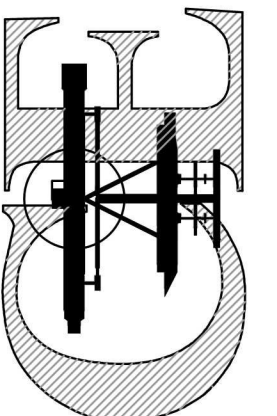
No.	REVISIONS & ADJUSTMENTS	DATE
1	GENERAL REVISIONS	05-05-23

PROPOSED DRAINAGE PLAN

Prepared for
Greg & Elissa Weinhoff
 3 Maple Way
 Town of North Castle
 Westchester Co., N.Y.
 Tax Map: Sh, 101.04, Blk. 2, Lot 74
 Date: 04/12/2022

CAMPBELL ENGINEERING

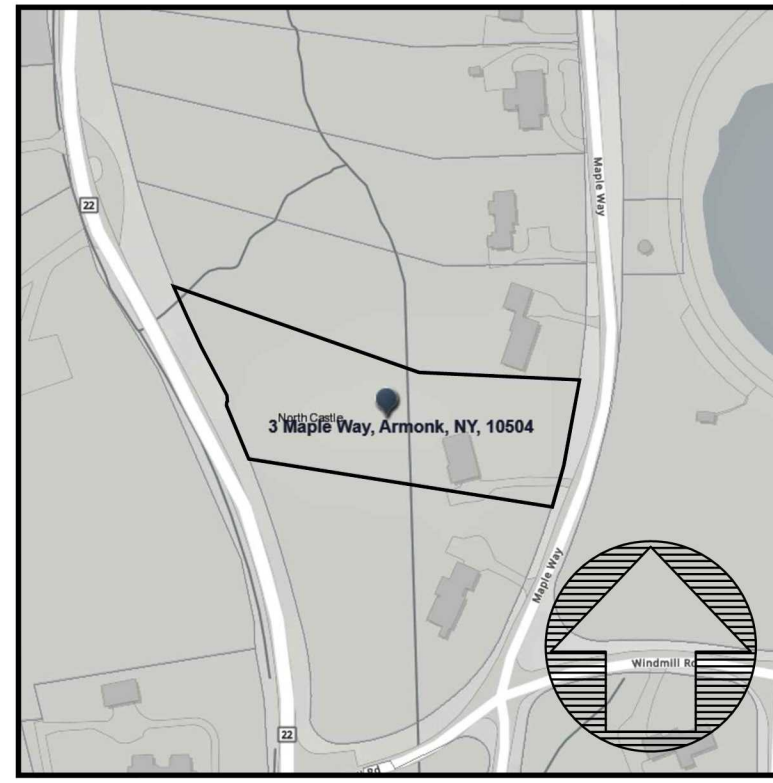
Civil Engineers
 Hydrology, Land Planners
 Sanitary and Storm Sewers
 Water Supply and Sewage Disposal
 Michael H. Campbell, PE
 5 Schuman Road
 Millwood, NY 10546
 Michael@914engineer.com
 (914)238-3555
 Fax:(914)238-3495



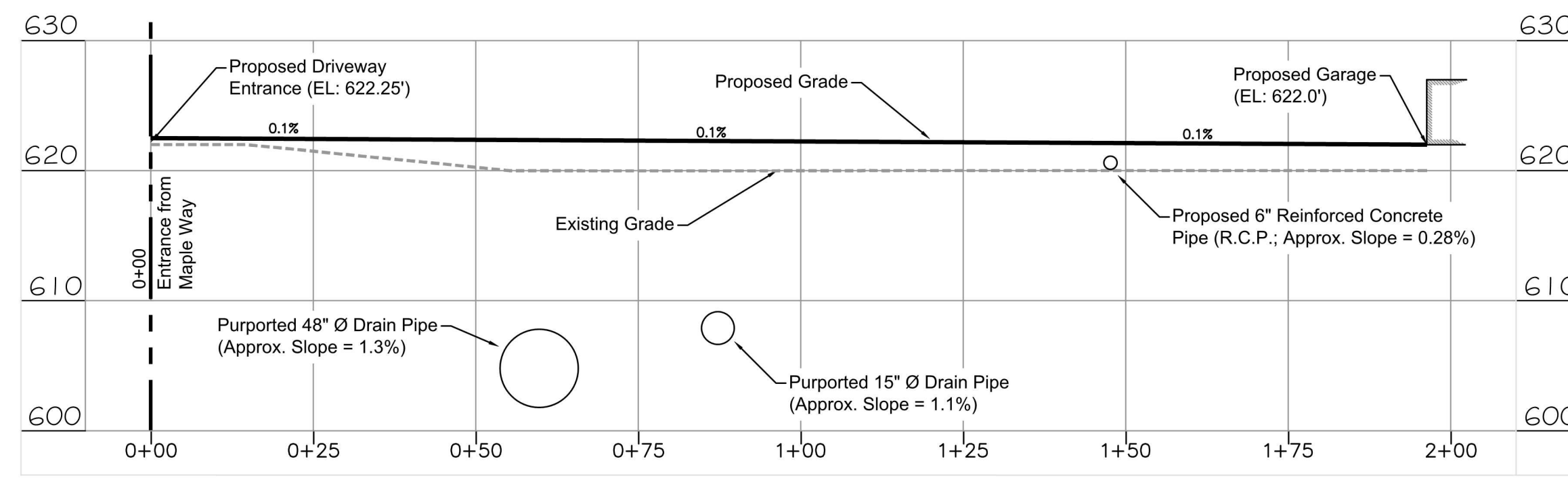
SCALE: AS NOTED
 SHEET 4 OF 5

D-1

Note:
 Topography from Westchester County Mapping and site survey. Accuracy of, or completion of sub-surface information is not certified.

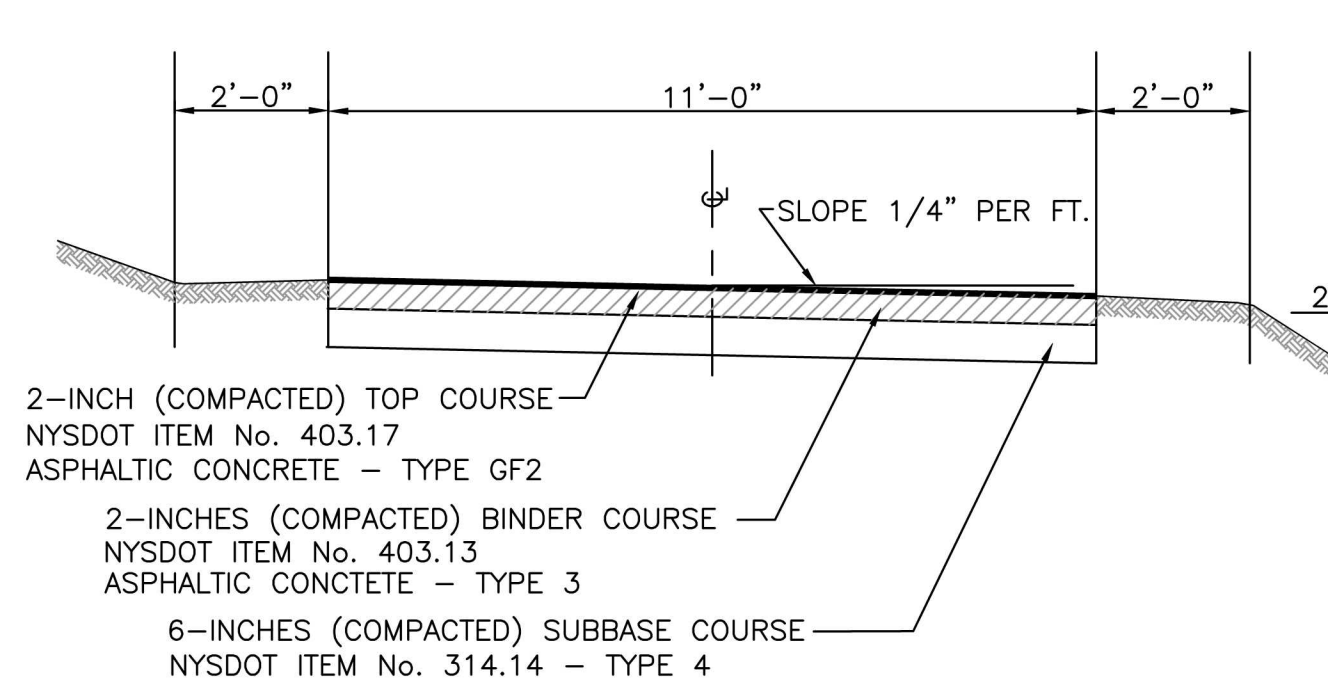


LOCATION MAP
N.T.S.

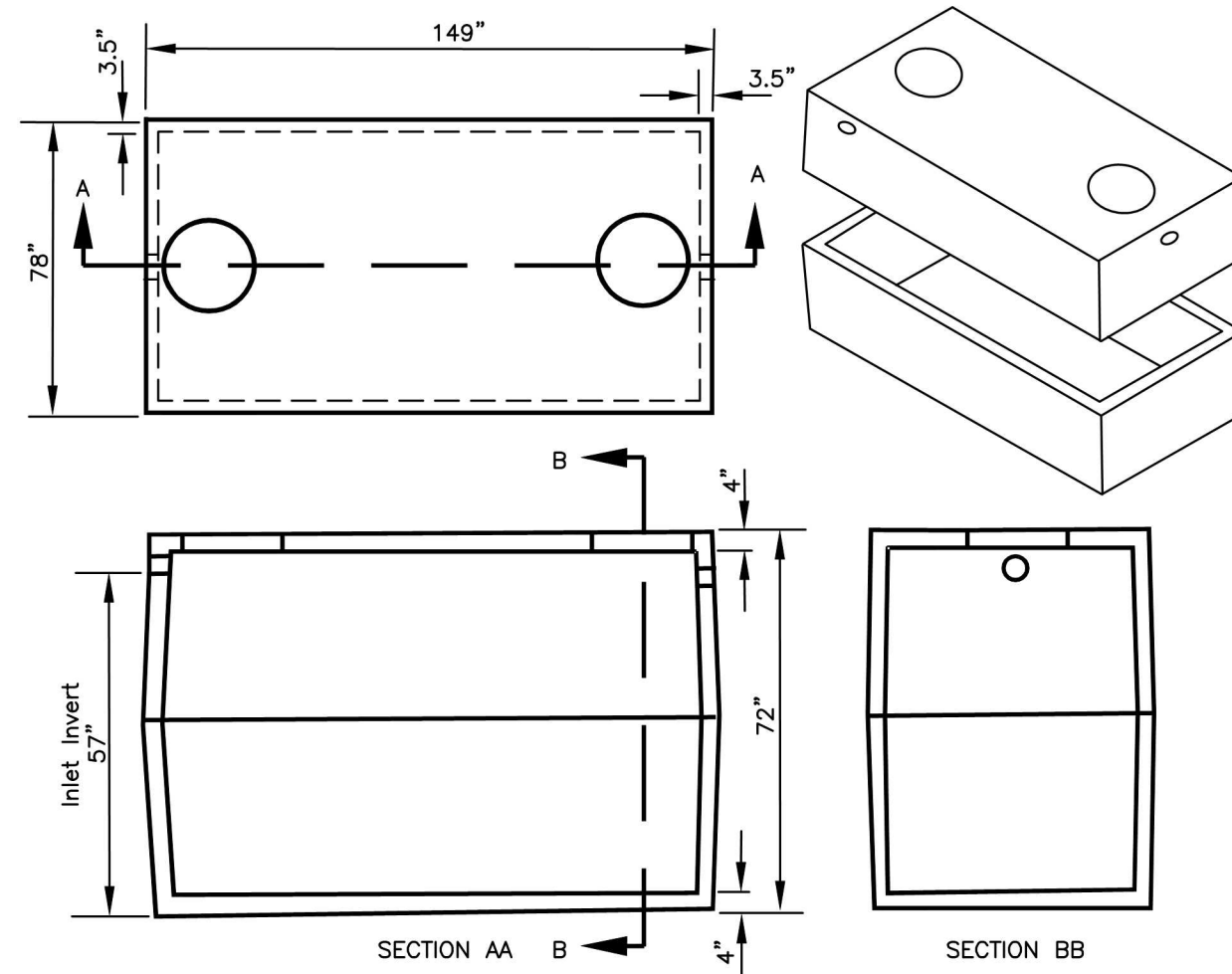


PROPOSED DRIVEWAY CENTERLINE PROFILE

SCALE: 1" = 10' VERT. 1" = 20' HORZ.

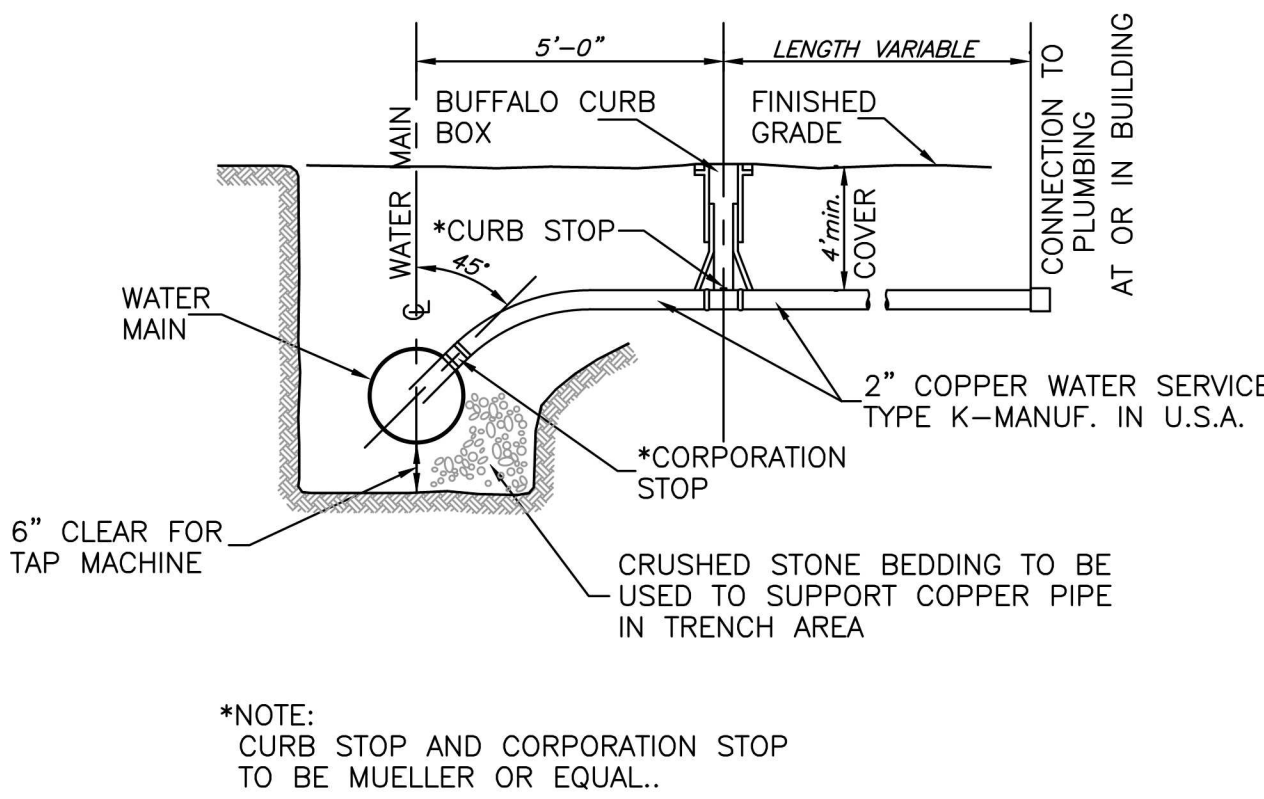


TYPICAL DRIVE SECTION
N.T.S.



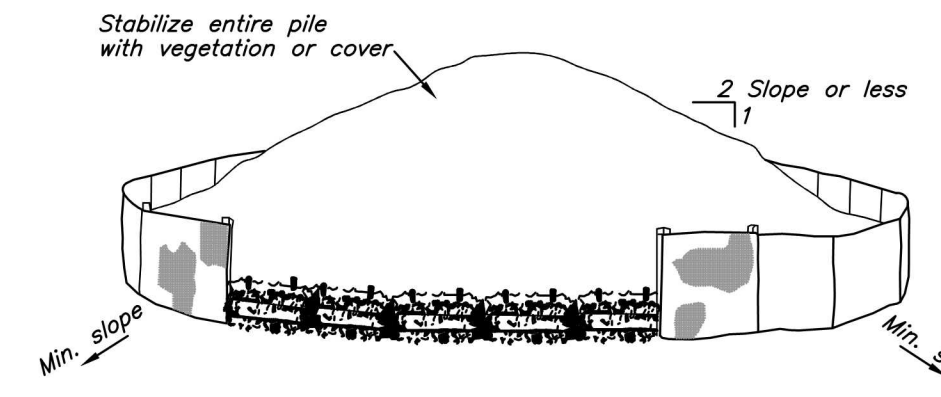
2000 GAL. PRE-TREATMENT TANK

N.T.S.



WATER SERVICE CONNECTION

N.T.S.



SOIL STOCKPILING

N.T.S.

Installation Notes:

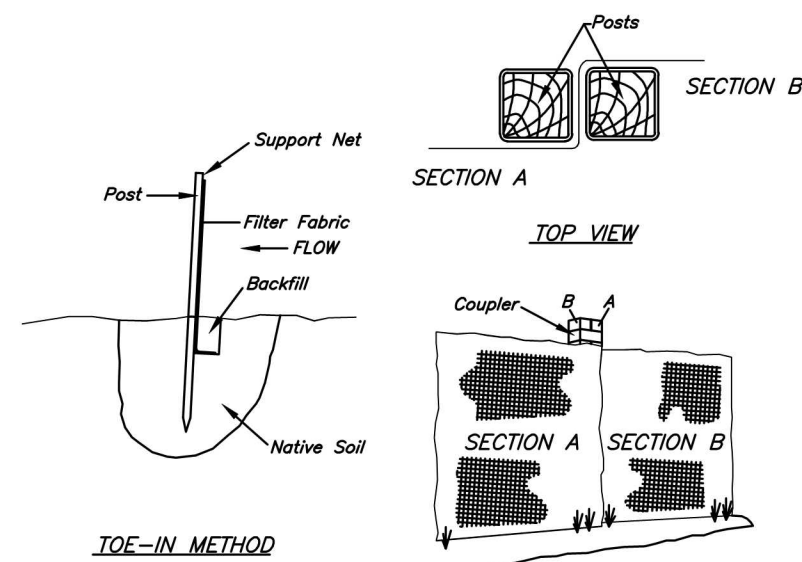
- 1. Area chosen for stockpiling operations shall be dry and stable.
2. Maximum slope of stockpile shall be 1:2.
3. Upon completion of soil stockpiling, each pile shall be surrounded with either soil fencing or strawbales, then stabilized with vegetation or covered.

GENERAL NOTES:

- 1. As per Westchester County Code of Ordinance Sec. 873.729. When a public sanitary sewer shall become available to the property so served, a direct connection shall be made to such public sanitary sewer and any onsite wastewater treatment system shall be abandoned and every tank or pit in such system shall be opened, emptied of any sewage and completely filled with inert material.
2. The owner of the property acknowledges that the Town of North Castle and other agencies having jurisdiction shall have the right to enter the property at reasonable times and in a reasonable manner for purposes of inspection.
3. Each contractor who will be involved in a land development activity must have proof that he/she has received training and/or certification in proper erosion and sedimentation control practices.
4. For each truck delivering fill to the above-mentioned site, a Manifest shall be submitted and signed by the owner and/or engineer indicating the following:
a) Delivery date
b) Origin of fill
c) Type of fill
d) Certification by a New York State Licensed Professional Engineer that the fill delivered is in compliance with paragraph 360-7.1(b)(1) of 6 NYCRR Part 360 - Solid Waste Management.

Note: If the fill material, as determined by the Town of North Castle, is considered to be non-exempt material as per paragraph 306-7.1(b)(1) of 6 NYCRR Part 360 - Solid Waste Management then the property owner and/or engineer may be required to perform and/or submit additional information.

- 5. Upon completion of the project an As-Built Site Plan will be submitted showing the all improvements including the location of the Water Service Line and the Sewer Force main.



JOINING SECTIONS OF FENCING

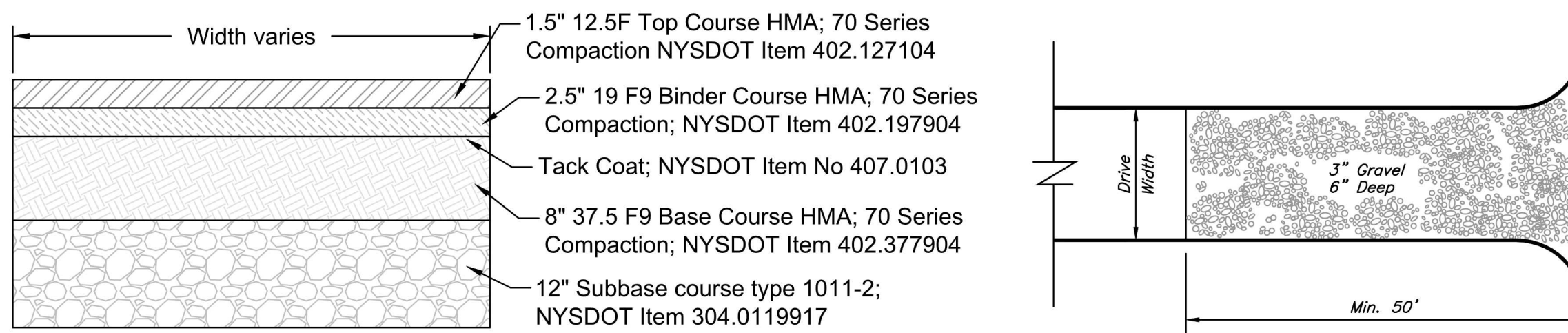
- 1. Excavate a 4"x4" Trench along the Lower Perimeter of the Site.
2. Unroll a Section at a Time and Position the Posts against the Back (Downstream).
3. Drive the Post into the Ground until the Netting is approximately 2" from the Trench Bottom.
4. Lay the Toe-In Flap of Fabric onto the Undisturbed Bottom of the Trench; Backfill the Trench and Tamp the Soil; Steeper Slopes Require an Intercept Trench.
5. Join Sections as shown above.

SILT FENCE
N.T.S.

Applicant/Owner:
Greg & Elissa Weinhoff
3 Maple Way
North Castle, NY 10504

Site Address:
3 Maple Way
North Castle, NY 10504

Note:
Unauthorized alterations or additions to this drawing are a violation of Section 7209(2) of the New York State Education Law.

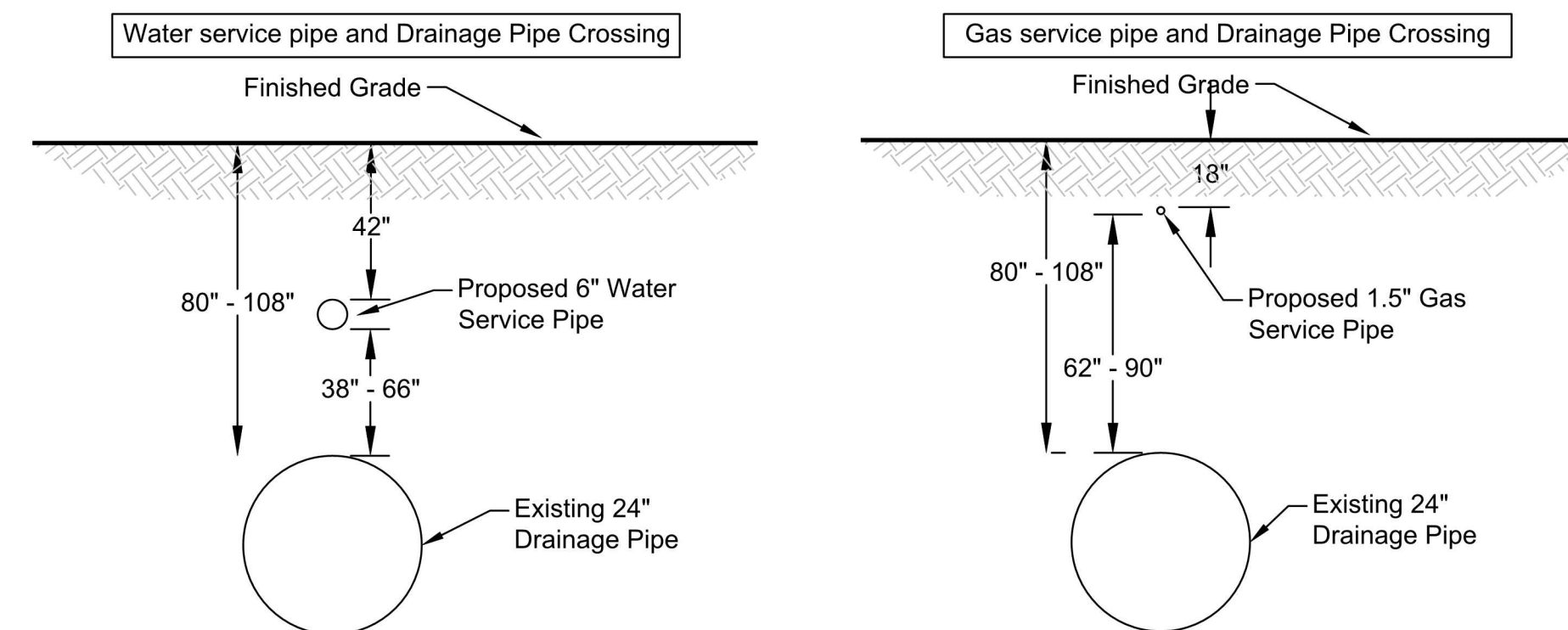


ASPHALT PAVEMENT RESTORATION (MAPLE AVENUE)

N.T.S.

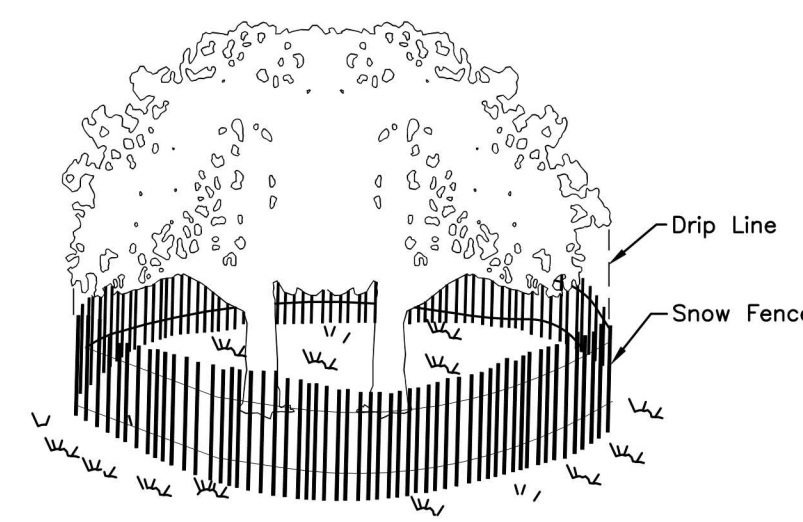
ANTI-TRACKING PAD

N.T.S.



UTILITIES AND DRAINAGE CROSSINGS - PROFILES

N.T.S.

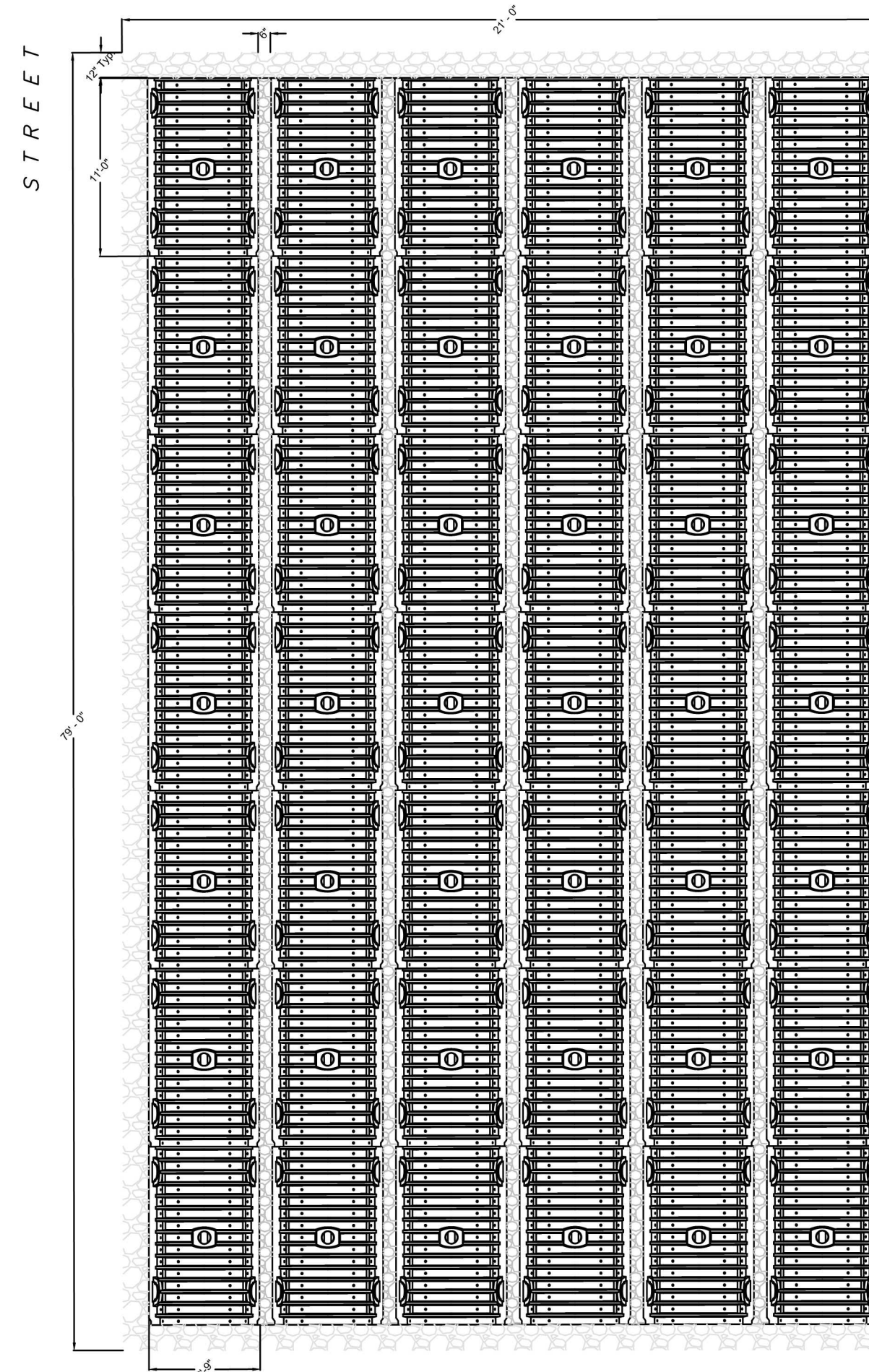


TREE PROTECTION FENCING

N.T.S.

NOTES:

- a. Prior to the issuance of a building permit, the entire clearing/grading limits shall be field staked as per the approved site plan and delineated with snow fencing and/or appropriate erosion controls. The applicant shall supply the Wetlands Inspector with a stakeout map (3 copies) prior to inspection. Contact Steve Coleman at 238-7278.
b. Clearing/grading limit lines shall be clearly delineated in the field throughout the construction period and no encroachment beyond these limits by workers or machinery shall be permitted.
c. Prior to the backfilling of drywell and/or infiltrators (if required), the Building/Engineering Department shall be notified at least 48 hours in advance in order to schedule a drywell inspection. Contact Bob Cioli - Deputy Town Engineer @ 238-7279.
d. All proposed grading shall not exceed 2H to 1V.



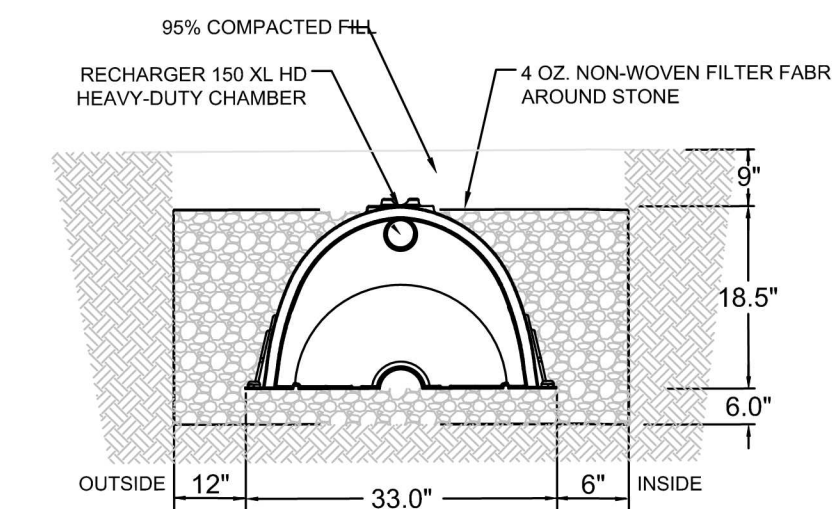
INFILTRATOR SYSTEM

42 UNITS

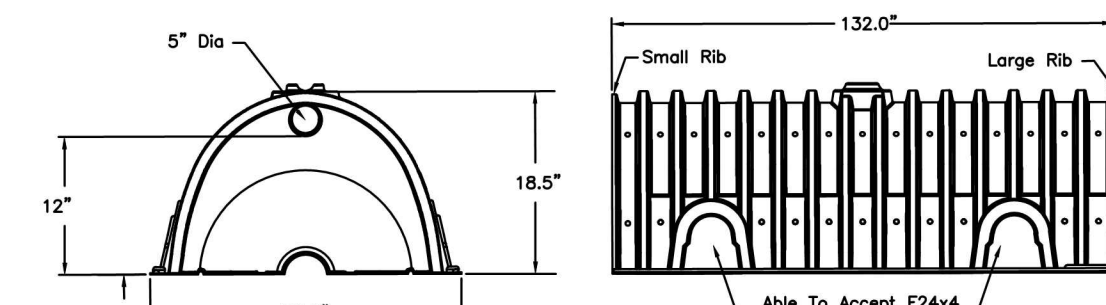
N.T.S.

EROSION AND SEDIMENTATION CONTROL NOTES:

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL SEDIMENT AND EROSION CONTROL PRACTICES. THE SEDIMENT AND EROSION CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, AND MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD OR UNTIL PERMANENT PROTECTION IS ESTABLISHED.
2. PRIOR TO ANY EXCAVATION, SILT FENCE SHALL BE INSTALLED AT THE LOCATIONS NOTED ON THE EROSION CONTROL PLAN. ADDITIONAL SILT FENCE MAY BE REQUIRED BY THE ENGINEER IN THE FIELD. SILT FENCING SHALL BE MAINTAINED IN EFFECTIVE CONDITION AND SHALL NOT BE REMOVED UNTIL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
3. INSTALL ANTI-TRACKING PAD AT ALL CONSTRUCTION ENTRANCES. ANTI-TRACKING PAD SHALL BE 2'-3" DIAMETER CRUSHED STONE 6" DEEP.
4. 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 REMOVING DEVICES SHALL BE CLOSELY MONITORED AND SEDIMENT REMOVED PROMPTLY WHEN MAXIMUM LEVELS ARE REACHED OR AS ORDERED BY THE ENGINEER. SEDIMENT SHALL BE DISPOSED OF IN A MANNER THAT DOES NOT RESULT IN ADDITIONAL EROSION OR POLLUTION. ALL SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED ON A REGULAR BASIS, AND IMMEDIATELY AFTER EACH RAINFALL, TO INSURE PROPER OPERATION AS DESIGNED. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
5. ALL TOPSOIL NOT TO BE USED FOR FINAL GRADING SHALL BE REMOVED FROM THE SITE IMMEDIATELY AND PLACED IN A STABILIZED STOCKPILE OR FILL AREA. ALL TOPSOIL REQUIRED FOR FINAL GRADING AND STORED ON SITE SHALL BE LIMED, FERTILIZED, TEMPORARILY SEEDED AND MULCHED WITHIN 14 DAYS OR OTHERWISE STABILIZED. DO NOT STOCKPILE MATERIALS ON STEEP SLOPES, IN DRAINAGE SWALES OR IN WETLAND AREAS. SURROUND ALL STOCKPILE AREAS WITH STAKED HAYBALES OR SILT FENCE.
6. ALL SLOPES CONSTRUCTED WITH FILL MATERIAL AND ALL SLOPES WITH GRADE 3:1 OR STEEPER SHALL BE TOPSOILED, SEEDED, MULCHED AND STABILIZED WITH STAKED TOBACCO NETTING, OR EROSION BLANKET AS NOTED, UNLESS OTHERWISE DIRECTED.
7. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 14 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL IMMEDIATELY RECEIVE TEMPORARY SEEDING. MULCH SHALL BE USED IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER. DISTURBED AREAS SHALL BE LIMED AND FERTILIZED PRIOR TO TEMPORARY SEEDING.
8. ALL DISTURBED AREAS WITHIN 500 FEET OF A BUILDING SHALL BE WETTED AS NECESSARY TO PROVIDE DUST CONTROL A WATERING TRUCK WILL BE USED IN DRY SEASON TO WET DOWN DUST AREAS.
9. 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.
10. ALL CATCH BASINS AND DRAIN INLETS ARE TO BE PROTECTED WITH SEDIMENT FILTERS THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE STABILIZED.
11. UTILITY LINE EXCAVATED MATERIAL SHALL BE TEMPORARILY STOCKPILED ON THE HIGH SIDE OF EXCAVATION SO RUNOFF IS DIRECTED AWAY FROM TRENCH. AFTER BACK-FILLING, AREA IS TO BE TOPSOILED, SEEDED AND MULCHED.
12. SEDIMENT AND EROSION CONTROL STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED BY PERMANENT MEASURES.
13. ALL AREAS OF DISTURBED SOIL SHALL BE STABILIZED BY THE CONTRACTOR, IN ADDITION TO ALL SPECIFIED EROSION CONTROL DEVICES, THE CONTRACTOR SHALL TAKE ALL STEPS PRUDENT AND NECESSARY TO STABILIZE THE SITE AT ALL TIMES.
14. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT EDITION OF "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROLS" (BLUE BOOK).



GENERAL NOTES
RECHARGER 150 XL HD BY CULTEC, INC. OF BROOKFIELD, CT. STORAGE PROVIDED = 1.99 CF PER RUN. REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES. USE RECHARGER 150 XL HD FOR TRAFFIC AND/OR HD APPLICATIONS. THE CHAMBER SHALL HAVE A RAISED INTEGRAL CAP AT THE TOP OF THE ARCH IN THE CENTER OF EACH UNIT TO BE USED AS AN OPTIONAL INSPECTION PORT OR CLEANOUT. ALL RECHARGER 150 XL HD CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.



CULTEC RECHARGER 150 XL HD

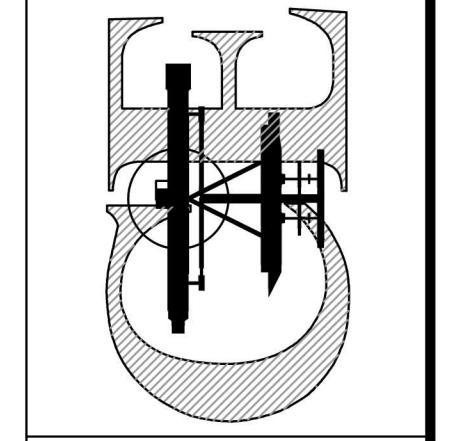
N.T.S.

By: Cultec, Inc.
All Recharger 150 XL Heavy Duty Chambers Must Be Installed in Accordance With All Applicable Local, State And Federal Regulations.
All recharger 150 XL Heavy Duty units are marked with a color stripe formed into the part along the length of the chamber.

Note:
Topography from Westchester County Mapping and site survey. Accuracy of, or completion of sub-surface information is not certified.

Table with columns: DATE (08-08-22), REVISIONS & ADJUSTMENTS, GENERAL REVISIONS, No. 1. Includes project name: PROPOSED DRAINAGE DETAILS, and contact info for Greg & Elissa Weinhoff.

CAMPBELL ENGINEERING logo and contact information for Michael H. Campbell, PE, including address and phone numbers.



SCALE: AS NOTED

SHEET 5 OF 5

D-2