



Incorporated 1787

Conservation Commission

INLAND WETLANDS AND WATERCOURSES APPLICATION

This Application is for a five-year permit to conduct a regulated activity or activities pursuant to the Inland Wetlands and Watercourses Regulations of the Town of Weston ("The Regulations")

PROPERTY ADDRESS: 18 Grey Fox Lane, Weston, CT

Assessor's Map # 2 Block # 5 Lot # 344

PROJECT DESCRIPTION (general purpose) New home construction, modification + extension of Permit #17-07

Total Acres 4.09 Total Acres of Wetlands and Watercourses 27,000 sqft (0.62 acres)

Acreage of Wetlands and Watercourses Altered 0 Upland Area Altered 0.56 acre

Acres Linear Feet of Stream Alteration 0 Total Acres Proposed Open Space 0

OWNER(S) OF RECORD: (Please list all owners, attach extra sheet if necessary)

Name: Lowell Baker + Tianjiao Chen Phone: (203) 273 4347

Address: 117 Fawn Ridge Ln, Norwalk, CT, 06851

Email: Lowell.L.Baker@gmail.com

APPLICANT/AUTHORIZED AGENT:

Name: Lowell Baker Phone: _____

Address: 60 _____

Email: _____

CONSULTANTS: (Please provide, if applicable)

Engineer: Wayne DiAzzaro Phone: 203 831 8005
Fairfield County Engineering

Address: 60 Winfield St, Norwalk CT Email: Wayne@fairfieldce.com

Soil Scientist: Dr. Gene McManara Phone: 203 792 9500
ESM Associates

Address: _____ Email: _____

Legal Counsel: N/A Phone: _____

Address: _____ Email: _____

Surveyor: Braunfigan Land Surveyors Phone: 203 270 7810

Address: 30 South Main St, Newtown, CT Email: info@braunfiganland.com

PROPERTY INFORMATION

Property Address: 18 Grey Fox Lane

Existing Conditions (Describe existing property and structures): Partially Cleared, No Structures

Provide a detailed description and purpose of proposed activity (attach sheet with additional information if needed): build a house per attached plan. Clear as required, construct home, including driveway, well + septic.

Is this property within a subdivision (circle): Yes or No
Square feet of proposed impervious surfaces (roads, buildings, parking, etc.): 8150

Subject property to be affected by proposed activity contains:

- wetlands soils
- swamp
- floodplain
- marsh
- bog
- lake or pond
- stream or river
- other _____

The proposed activity will involve the following within wetlands, watercourse, and/or review area:

- Alteration
- Discharge to
- Removal of Materials
- Construction
- Discharge from
- Deposition of Materials
- Pollution
- Bridge or Culvert
- Other _____

Amount, type, and location of materials to be removed, deposited, or stockpiled:
Expect 100-350 yards, depending on depth to ledge. material will be stockpiled + regraded.

Description, work sequence, and duration of activities:
clear as required, construct new single family home with driveway, septic, and well. Duration is expected to be one year, pandemics + supply chain permitting

Describe alternatives considered and why the proposal described herein was chosen:
None

Does the proposed activity involve the installation and/or repair of an existing septic system(s) (circle): Yes or No

The Westport/Weston Health District Approval: pending

ADJOINING MUNICIPALITIES AND NOTICE:

If any of the situations below apply, the applicant is required to give written notice of his/her application to the Inland Wetlands Agency of the adjoining municipality, on the same day that he/she submits this application. Notification must be sent by Certified Mail with Return Receipt Requested.

The property is located within 500 feet of any town boundary line;

A significant portion of the traffic to the completed project will use streets within the adjoining municipality to enter or exit the site;

A portion of the water drainage from the project site will flow through and significantly impact the sewage system or drainage systems within the adjoining municipality; or

Water runoff from the improved site will impact streets or other municipal or private property within the adjoining municipality

AQUARION WATER COMPANY

Pursuant to Section 8.4 of the Weston regulations, the Aquarion Water Company must be notified of any regulated activity proposed within its watersheds. Maps showing approximate watershed boundaries are available at the office of the Commission. If the project site lies within these boundaries, send notice, site plan, and grading and erosion control plan via certified mail, return receipt requested, within seven (7) days of submitting application to the Commission, to:

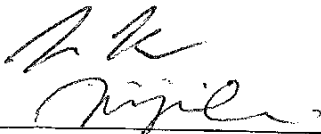
George S. Logan, Director – Environmental Management
Aquarion Water Company
714 Black Rock Turnpike
Easton, CT 06612

The Commissioner of the Connecticut Department of Public Health must also be notified in the same manner in a format prescribed by that commissioner.

The undersigned, as owner(s) of the property, hereby consents to necessary and proper inspections of the above mentioned property by Commissioners and agents of the Conservation Commission, Town of Weston, at reasonable times, both before and after a final decision has been issued by the Commission.

The undersigned hereby acknowledges to have read the "Application Requirements and Procedures" in completing this application.

The undersigned hereby certifies that the information provided in this application, including its supporting documentation is true and he/she is aware of the penalties provided in Section 22a-376 of the Connecticut General Statutes for knowingly providing false or misleading information.



4/12/2022

4/12/2022

Signature of Owner(s) of Record

Date

N/A

Signature of Authorized Agent

Date

FOR OFFICE USE ONLY

Administrative Approval

Initials

Date



Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete and mail this form in accordance with the instructions.
If completing by hand - please print and use the pdf version.
Incomplete or incomprehensible forms will be mailed back to the municipal inland wetlands agency.

PART I: Must Be Completed By The Inland Wetlands Agency

- DATE ACTION WAS TAKEN: year: Click Here for Year month: Click Here for Month
- CHOOSE ACTION TAKEN (see instructions for code): Click Here to Choose a Code
- WAS A PUBLIC HEARING HELD (check one)? yes no
- NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:
(type name) _____ (signature) _____

PART II: To Be Completed By The Inland Wetlands Agency Or The Applicant

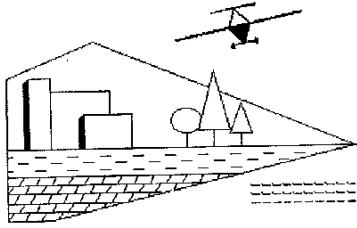
- TOWN IN WHICH THE ACTIVITY IS OCCURRING (type name): Weston
does this project cross municipal boundaries (check one)? yes no
if yes, list the other town(s) in which the activity is occurring (type name(s)): _____
- LOCATION (click on hyperlinks for information): USGS quad map name: _____ or quad number: 91
subregional drainage basin number: 7203
- NAME OF APPLICANT, VIOLATOR OR PETITIONER (type name): Lowell Baker
- NAME & ADDRESS OF ACTIVITY / PROJECT SITE (type information): 18 Gray Fox Lane
briefly describe the action/project/activity (check and type information): temporary permanent description: New single family home with septic & well
- ACTIVITY PURPOSE CODE (see instructions for code): Click Here to Choose a Code B
- ACTIVITY TYPE CODE(S) (see instructions for codes): Click for Code 2 Click for Code 9 Click for Code 10 Click for Code 14
- WETLAND / WATERCOURSE AREA ALTERED (see instructions for explanation, type acres or linear feet as indicated):
wetlands: 0 acres open water body: 0 acres stream: 0 linear feet
- UPLAND AREA ALTERED (type acres as indicated): 1/3 acres
- AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (type acres as indicated): 0 acres

DATE RECEIVED:

PART III: To Be Completed By The DEEP

DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO



ESM ASSOCIATES

ENVIRONMENTAL SCIENCE MANAGEMENT - CONSULTANTS

7 Denver Terrace

Danbury, CT 06811

203-792-9500

Mr. Bernard Nevas
59 Osborne Farm Rd
Weston, CT 06803

May 24, 2017

**RE: Inland Wetlands and Soils Investigation
22 Grey Fox Lane
Weston, Connecticut**

Dear Mr. Nevas:

ESM Associates of Danbury, Connecticut completed an on-site investigation of the areas abutting both sides of the driveway on the above named property on May 10, 2017. This inspection was undertaken in order to conduct a general survey of the soils found on specified portions of the site, as well as to locate and flag the boundaries of any inland wetland and/or surface water systems within the designated study area(s).

A spade and auger were utilized during the site survey to help define the limits of inland wetlands, watercourses, and other regulated surface water features. Sequentially numbered orange flagging was employed in the field, when warranted, to physically mark the location of the wetland/upland interface. Under the terms and conditions of the Connecticut General Statutes as well as municipal inland wetland and watercourse regulations, these systems are defined to include areas which possess poorly and very poorly drained soils, alluvial and floodplain soils, and surface water features such as streams, brooks, rivers, ponds, lakes, swamps, marshes, bogs and fens.

SITE DESCRIPTION

The subject property is located in the Fairfield County Town of Weston, Connecticut, within the watershed of the West Branch of the Saugatuck River (CT DEP Basin #7203). The site is vacant. Access to the property is obtained off Grey Fox Lane which intersects Osborne Farm Road, Old Farm Road and State Route 57 less than a half mile west of the site.

INLAND WETLANDS AND SURFACE WATERS

The inland wetlands and surface water features identified on-site during the field investigation consist of a forested wetland system which occupies the lot to the north and extends slightly into the northern central portion of this site.

The wetlands on the northern parcel are oriented in a north south direction with only a portion existing on lot 22 between large outcrops of bedrock. The site is heavily forested with a canopy that contains mostly red maple and oak trees.

WETLAND DELINEATION

The wetland boundary on this site is a continuation of the wetland boundary from the northern lot, therefore the wetland boundary on this lot exists between flag 44 and 45 to the west and 48 to the east.

SOILS

Wetland Soils

The wetlands on the site contain soils that belong to the Rn Complex, a mix of Ridgebury, Leicester, and Whitman fine sandy loams. These soils are of glacial till parentage and typically occupy drainages and low-lying areas on uplands and valleys. Ridgebury and Leicester soils are poorly drained, while Whitman soils tend to be very poorly drained. A compact substratum which restricts infiltration and results in a seasonally perched water table are typical of Ridgebury and Whitman soils, while Leicester soils tend to possess a more friable substratum. Most areas, which contain these soils, tend to be wooded and have a high seasonal water table from fall through mid spring.

Upland Soils

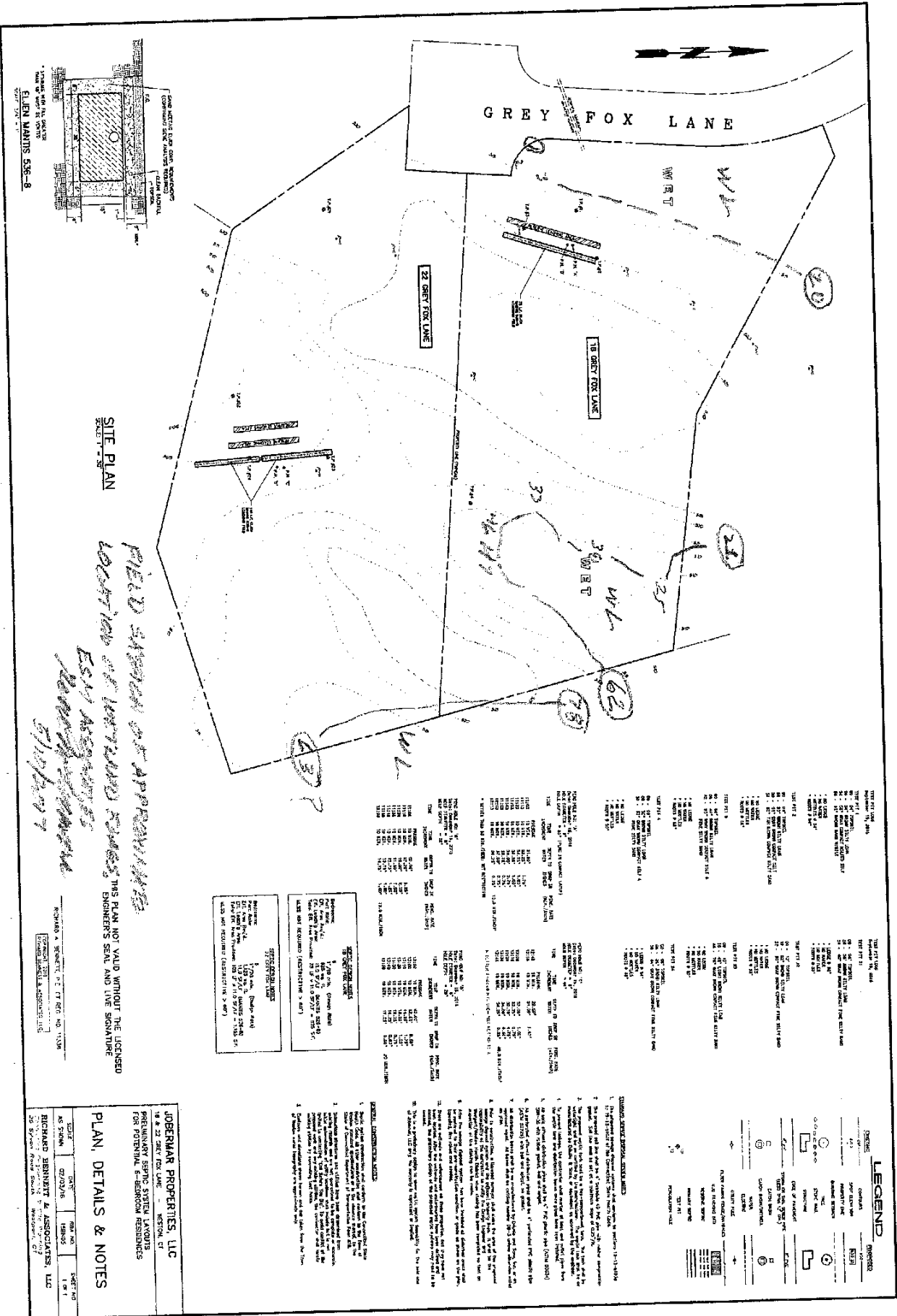
The upland soils consists of a Hollis-Chatfield-Rock outcrop complex which is a well drained and somewhat excessively drained soil found on hills and ridges. This complex of soils is about 50% Hollis soil, 25%-30% Chatfield soil, and 20%-25% other soils. These soils have a moderate to moderately rapid permeability. Runoff is medium to rapid. The soils dry out and warm up in early spring. The major limitations of these soils for community development are the shallow depth to bedrock, the areas of exposed bedrock, and the stones and boulders on the surface.

If you have any questions, please do not hesitate to call.

Sincerely,
ESM Associates
Environmental Scientists



Dr. Gene McNamara, CEI



ELIEN MATRIS 536-8

SITE PLAN

FIELD STUDY OF APPROXIMATE LOCATION OF UTILITIES BASED THIS PLAN NOT VALID WITHOUT THE LICENSED ENGINEER'S SEAL AND LIVE SIGNATURE

PLAN APPROVED BY ELIEN MATRIS 5/10/2009

RICHARD BERNHART & ASSOCIATES, LTD.

PROPERTY DATA

Project: 18 & 22 GREY FOX LANE

Site: 18 & 22 GREY FOX LANE

Lot Area: 10,000 SQ. FT.

Lot Dimensions: 100 FT. X 100 FT.

Adjacent Properties: 18 GREY FOX LANE, 22 GREY FOX LANE

Site Conditions: 1. 100 FT. X 100 FT. LOT AREA. 2. 100 FT. X 100 FT. LOT DIMENSIONS. 3. 100 FT. X 100 FT. LOT AREA.

Notes: 1. 100 FT. X 100 FT. LOT AREA. 2. 100 FT. X 100 FT. LOT DIMENSIONS. 3. 100 FT. X 100 FT. LOT AREA.

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LEGEND

PROPERTY LINE

EXISTING LOT

PROPOSED LOT

EXISTING UTILITY

PROPOSED UTILITY

EXISTING DRIVE

PROPOSED DRIVE

EXISTING WALKWAY

PROPOSED WALKWAY

EXISTING FENCE

PROPOSED FENCE

EXISTING POLE

PROPOSED POLE

EXISTING SIGN

PROPOSED SIGN

EXISTING CURB

PROPOSED CURB

EXISTING SIDEWALK

PROPOSED SIDEWALK

EXISTING DRIVEWAY

PROPOSED DRIVEWAY

EXISTING WALKWAY

PROPOSED WALKWAY

EXISTING FENCE

PROPOSED FENCE

EXISTING POLE

PROPOSED POLE

EXISTING SIGN

PROPOSED SIGN

EXISTING CURB

PROPOSED CURB

EXISTING SIDEWALK

PROPOSED SIDEWALK

EXISTING DRIVEWAY

PROPOSED DRIVEWAY

PLAN DETAILS & NOTES

1. THE PROPOSED DRIVEWAY SHALL BE 10 FT. WIDE AND SHALL BE CONCRETE.

2. THE PROPOSED DRIVEWAY SHALL BE 10 FT. WIDE AND SHALL BE CONCRETE.

3. THE PROPOSED DRIVEWAY SHALL BE 10 FT. WIDE AND SHALL BE CONCRETE.

4. THE PROPOSED DRIVEWAY SHALL BE 10 FT. WIDE AND SHALL BE CONCRETE.

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GENERAL NOTES

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Summary of changes

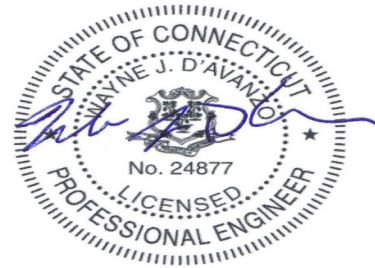
	Approved	Proposed modification	Units
Permit #	17-07		--
House	3262		4511 sqft
Driveway	3196		3639 sqft
Terrace	588	(included with house)	0 sqft
(Future) Deck	--		700 sqft
Lawn	171153		169349 sqft
Total area	178199		178199 sqft
impermeable area	7046		8150 sqft
Driveway drained to cultec	1209		2521 sqft
House drained to cultec	1928		0 sqft
Peak runoff (CFS)	26.3		26.4 cfs
Existing peak runoff		26.78cfs	

DRAINAGE REPORT PREPARED FOR EXISTING AND PROPOSED SITE CONDITIONS

LOCATED AT: 26 WAKE ROBIN LANE
STAMFORD, CONNECTICUT

FCE # 1618

June 6, 2020
Revised to August 7, 2020



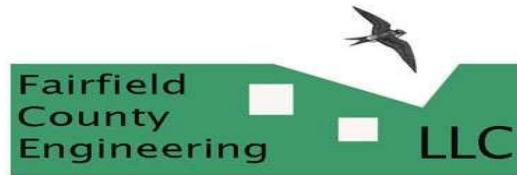
March 24, 2022
Revised to April 12, 2022

Fairfield County Engineering, LLC

Civil Engineers

60 Winfield St.
Norwalk, Connecticut 06855
(203) 831-8005 Fax: (203) 831-8006 E-mail to: wayne@fairfieldce.com
E-mail to: wayne@fairfieldce.com





NARRATIVE :

The subject of this report is a 4.09 acre parcel located at 18 Grey Fox Lane in Weston. The purpose of this report is to determine the existing and proposed runoffs resulting from the proposed site improvements in order to design a stormwater management system.

EXISTING CONDITIONS:

The subject parcel is located at the south side of Grey Fox Lane, at the terminus of Grey Fox Lane. The lot is currently vacant. The lot has a ridge near the middle, sloping steeply down to the northwest and southeast.

Existing soils at this location, as identified in the NRCS Soil Survey of Fairfield County, Connecticut, consist of a combination of Hollis-Chatfield -Rock outcrop complex, 3 to 45 percent slopes, which has a Hydrologic classification of 'D'.

The existing runoff as developed from a 50-Year rainfall event is 26.78 c.f.s.

PROPOSED CONDITIONS:

The proposal for this site is to construct a new single family residence with associated driveway, and future deck.

The house area includes the terrace area.

The proposed runoff from a 50-Year rainfall event is 27.20 c.f.s.

COMPUTATIONS :

The following computations of the existing and proposed conditions runoff flows were derived from the HydroCAD computer software. HydroCAD follows the NRCS TR-20 procedure for computing stormwater runoff. Computations were performed for a 50-year storm event, which has a 2% chance of occurring in any given 12 month period.

Existing Conditions:

Lawn	178,199 s.f.	CN 84
Total -	178,199 s.f.	

Weighted CN -**84**

Proposed Conditions:

House (inc. terrace)	4,511 s.f.	CN 98
Driveway	3,639 s.f.	CN 98
Future Deck	700 s.f.	CN 85
Lawn	169,349 s.f.	CN 84
Total -	178,199 s.f.	

Weighted CN -**85**

Water Quality Volume

$$I = (5.0 \times 0.009) + 0.05 = 0.095$$

$$WQV = (0.095 (4.09 \text{ acres})/12) = 0.032379 \text{ ac-ft} = 1410.4 \text{ ft}$$

Groundwater Recharge Volume

$$GWV = (0.095 (4.09 \text{ acres})/12) \times 0.1 = 0.0032379 \text{ ac-ft} = 141.0 \text{ ft}$$

SUMMARY

Existing Runoff (50 Year):	26.78 c.f.s.
Proposed Runoff (50 Year):	27.20 c.f.s.
Proposed Impervious Run-off Retained (50 Year):	0.43 c.f.s.
Proposed Run-off from Areas Bypassing Retention plus overflow (50 Year):	26.40 c.f.s.

CONCLUSIONS:

The increased run-off resulting from the proposed site improvements will be retained in an on-site retention system. The run-off from a portion of the driveway will be routed to 7 units of Cultec R-330XL retention chambers.

While the previous application collected a minority portion of the roof, it is not necessary. The routing of the driveway area to retention amply reduces the net runoff from the property below existing conditions, as shown above and supported in the calculations. Also, it is preferred practice to collect runoff from driveways versus roofs, as the driveway runoff is more contaminated with silt and debris. Collecting this runoff better improves water quality versus collection from roofs.

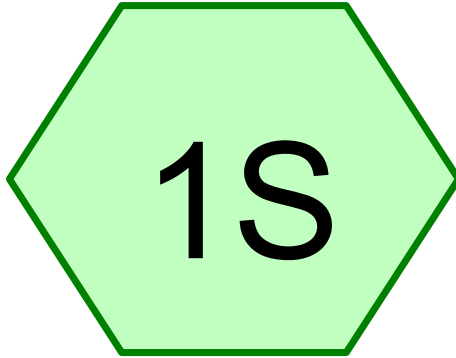
The runoff from the roof will flow onto splash blocks and disperse evenly via sheet flow away from the foundation.

The majority of this runoff will be directed to the west and south, away from either wetland area. The portion of the downspout runoff that is directed to the east will follow the terrain and flow south of the northeast wetlands, and not into them. Similarly, the house, septic system and its grading are located on the ridge that runs off to the west and south, not into the northeast wetland area. The house is 104 feet away from the northeast wetlands at its nearest point.

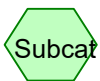
This system will decrease the net peak runoff during a 50 Year storm to 26.40 c.f.s. from its current peak of 26.78 c.f.s.

The proposed retention system provides³643 ft³ of storage, which will accommodate the runoff from a 50 Year rainfall event routed to the system, and provides groundwater recharge.

The proposed improvements will have no adverse impact on surrounding properties.



Existing Conditions



Routing Diagram for 1975Existing
Prepared by Fairfield County Engineering LLC, Printed 4/2/2022
HydroCAD® 10.00-26 s/n 06020 © 2020 HydroCAD Software Solutions LLC

Summary for Subcatchment 1S: Existing Conditions

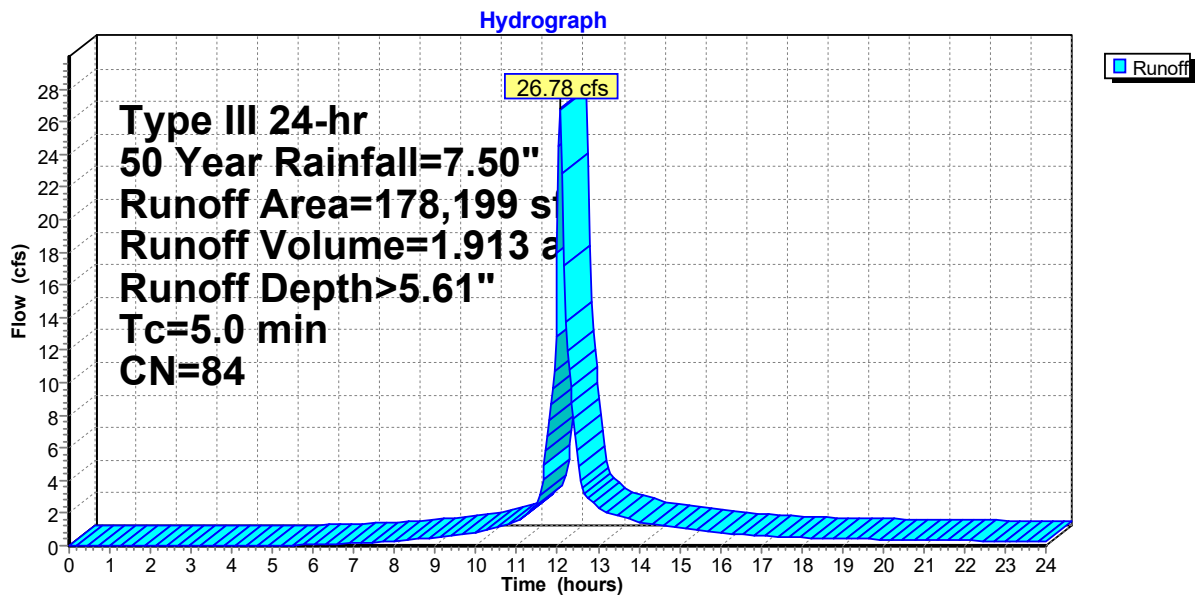
Runoff = 26.78 cfs @ 12.07 hrs, Volume= 1.913 af, Depth> 5.61"

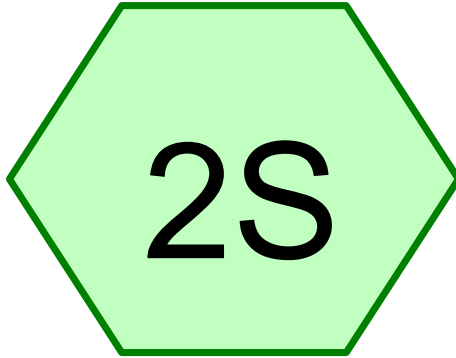
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs
 Type III 24-hr 50 Year Rainfall=7.50"

Area (sf)	CN	Description
178,199	84	50-75% Grass cover, Fair, HSG D
178,199		100.00% Pervious Area

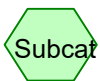
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Subcatchment 1S: Existing Conditions





Proposed Conditions



Routing Diagram for 1975Proposed
Prepared by Fairfield County Engineering LLC, Printed 4/2/2022
HydroCAD® 10.00-26 s/n 06020 © 2020 HydroCAD Software Solutions LLC

Summary for Subcatchment 2S: Proposed Conditions

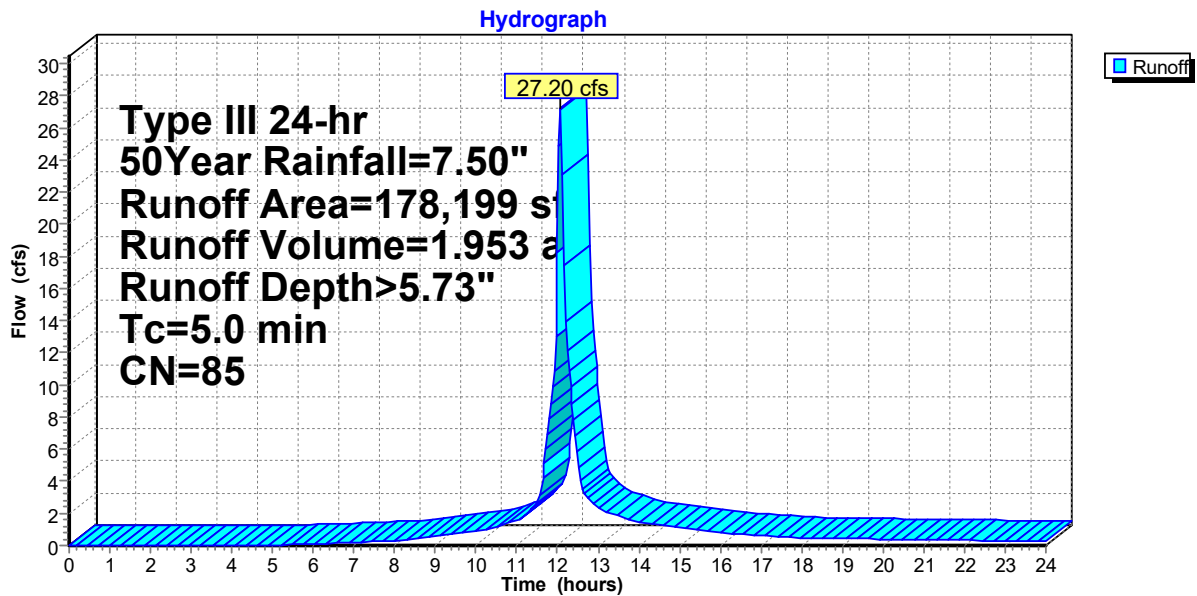
Runoff = 27.20 cfs @ 12.07 hrs, Volume= 1.953 af, Depth> 5.73"

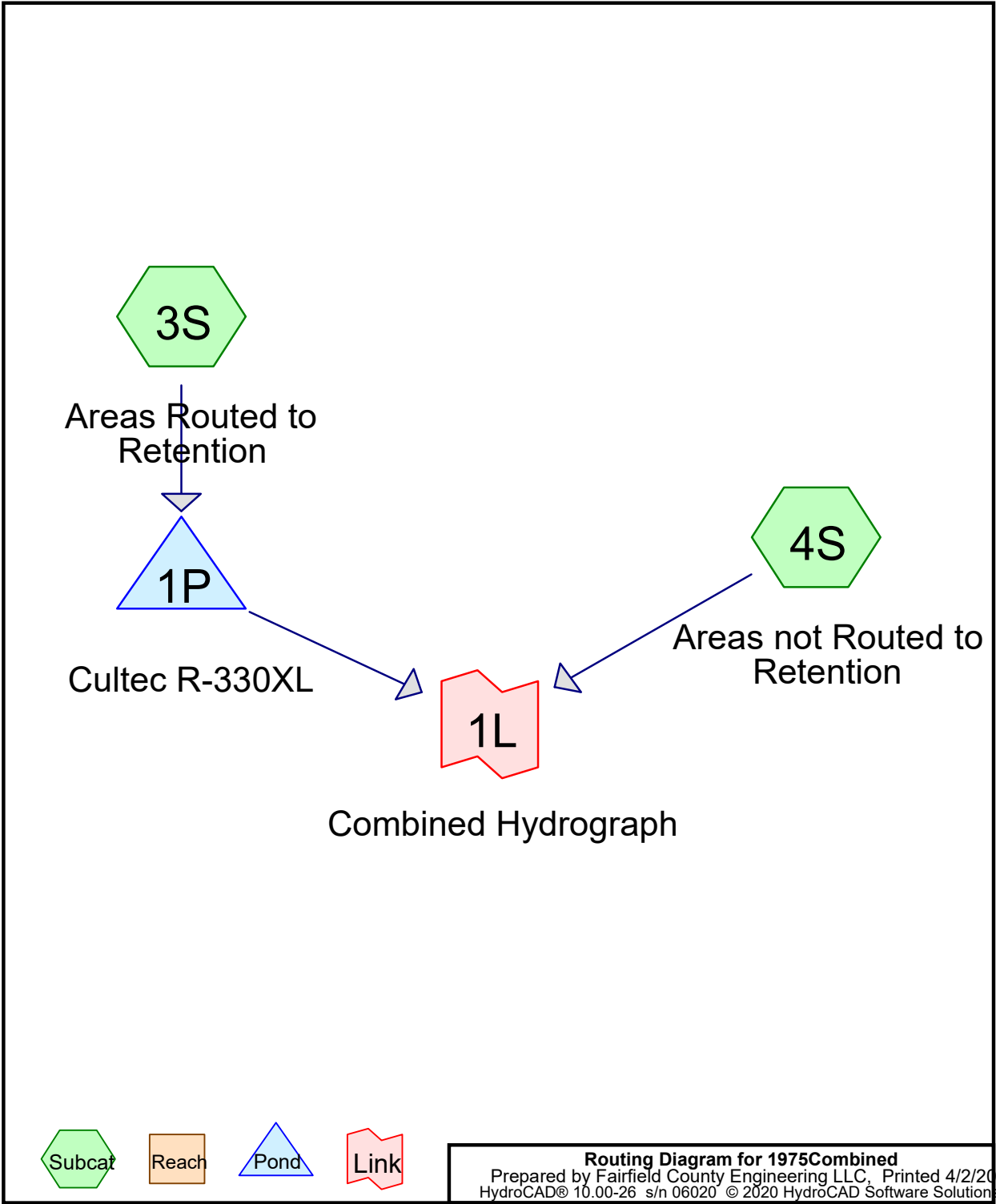
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs
 Type III 24-hr 50Year Rainfall=7.50"

	Area (sf)	CN	Description
*	4,511	98	House
*	3,639	98	Driveway
*	700	85	Deck
	169,349	84	50-75% Grass cover, Fair, HSG D
	178,199	85	Weighted Average
	170,049		95.43% Pervious Area
	8,150		4.57% Impervious Area

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

Subcatchment 2S: Proposed Conditions





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Summary for Subcatchment 3S: Areas Routed to Retention

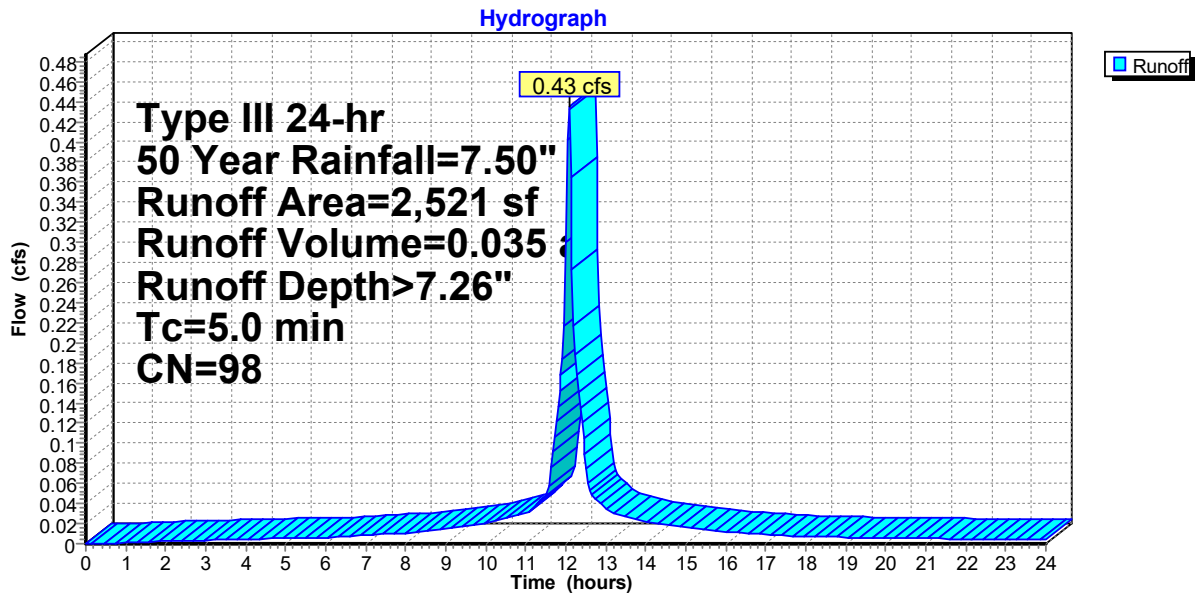
Runoff = 0.43 cfs @ 12.07 hrs, Volume= 0.035 af, Depth> 7.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs
 Type III 24-hr 50 Year Rainfall=7.50"

Area (sf)	CN	Description
* 2,521	98	Portion of Driveway
2,521		100.00% Impervious Area

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

Subcatchment 3S: Areas Routed to Retention



Summary for Subcatchment 4S: Areas not Routed to Retention

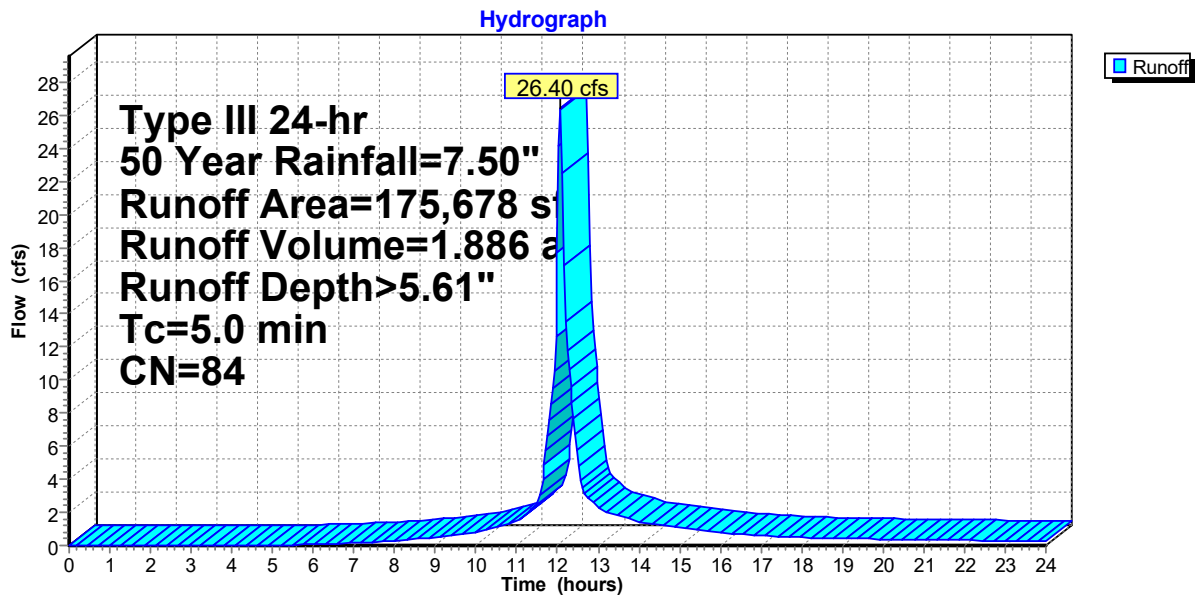
Runoff = 26.40 cfs @ 12.07 hrs, Volume= 1.886 af, Depth> 5.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs
 Type III 24-hr 50 Year Rainfall=7.50"

	Area (sf)	CN	Description
*	4,511	98	House
*	1,118	98	Driveway
*	700	85	Deck
	169,349	84	50-75% Grass cover, Fair, HSG D
	175,678	84	Weighted Average
	170,049		96.80% Pervious Area
	5,629		3.20% Impervious Area

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

Subcatchment 4S: Areas not Routed to Retention



Summary for Pond 1P: Cultec R-330XL

Inflow Area = 0.058 ac, 100.00% Impervious, Inflow Depth 7.26" for 50 Year event
 Inflow = 0.43 cfs @ 12.07 hrs, Volume= 0.035 af
 Outflow = 0.18 cfs @ 12.37 hrs, Volume= 0.025 af, Atten= 59%, Lag= 17.6 min
 Discarded = 0.01 cfs @ 8.64 hrs, Volume= 0.020 af
 Primary = 0.16 cfs @ 12.37 hrs, Volume= 0.005 af

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs
 Peak Elev= 387.05' @ 12.36 hrs Surf.Area= 371 sf Storage= 643 cf

Plug-Flow detention time= 207.0 min calculated for 0.025 af (70% of inflow)
 Center-of-Mass det. time= 112.1 min (852.9 - 740.8)

Volume	Invert	Avail. Storage	Storage Description
#1A	384.40'	200 cf	35.33'W x 10.50'L x 2.54'H Field A 943 cf Overall - 443 cf Embedded = 500 cf x 40.0% Voids
#2A	384.40'	443 cf	Cultec R-330XLHD 7 Inside #1 Effective Size= 47.8"W x 30.0"H => 7.45 sf x 7.00'L = 52.2 cf Overall Size= 52.0"W x 30.5"H x 8.50'L with 1.50' Overlap Row Length Adjustment= +1.50' x 7.45 sf x 7 rows
		643 cf	Total Available Storage

Storage Group A created with Chamber Wizard

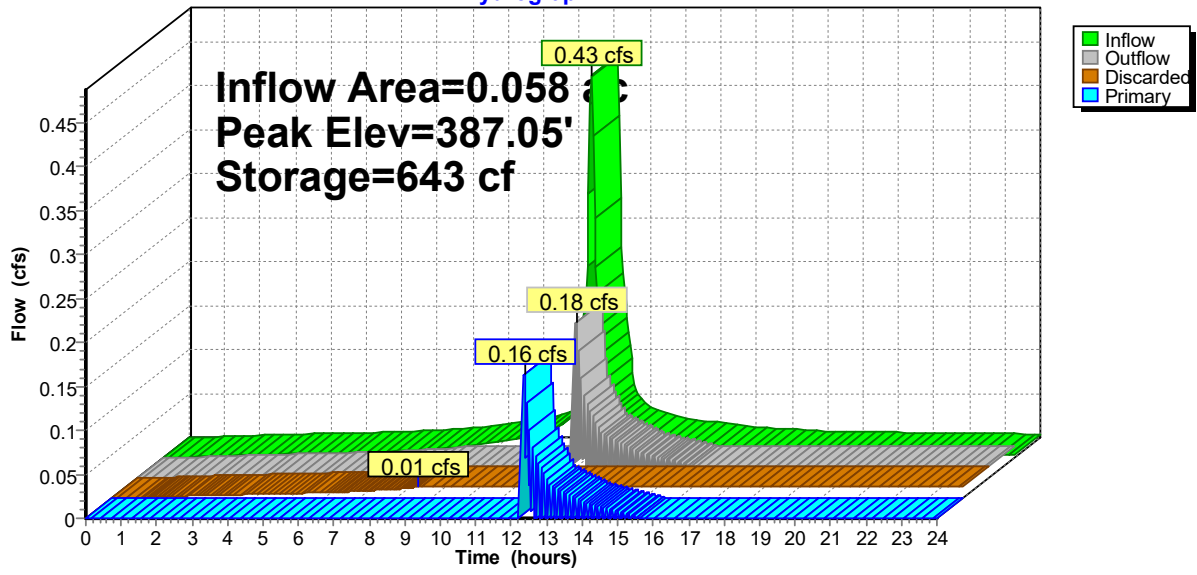
Device	Routing	Invert	Outlet Devices
#1	Discarded	384.40'	1.500 in/hr Exfiltration over Horizontal area
#2	Primary	386.95'	6.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.01 cfs @ 8.64 hrs HW=384.43' (Free Discharge)
 ↳ **1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.15 cfs @ 12.37 hrs HW=387.04' (Free Discharge)
 ↳ **2=Orifice/Grate** Weir Controls 0.15 cfs @ 1.00 fps)

Pond 1P: Cultec R-330XL

Hydrograph

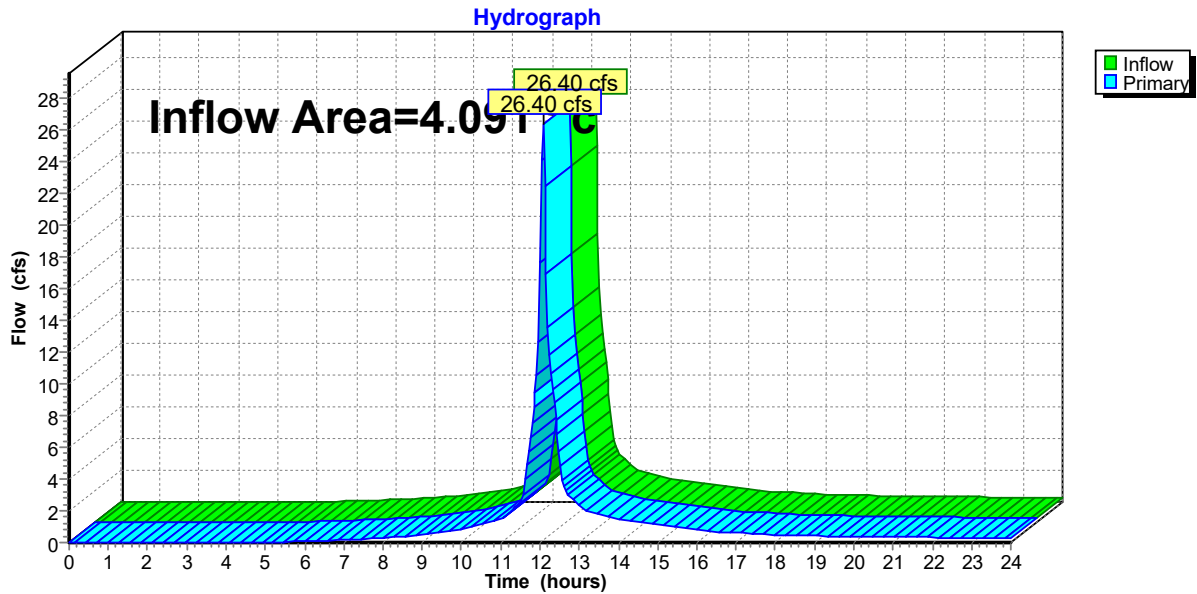


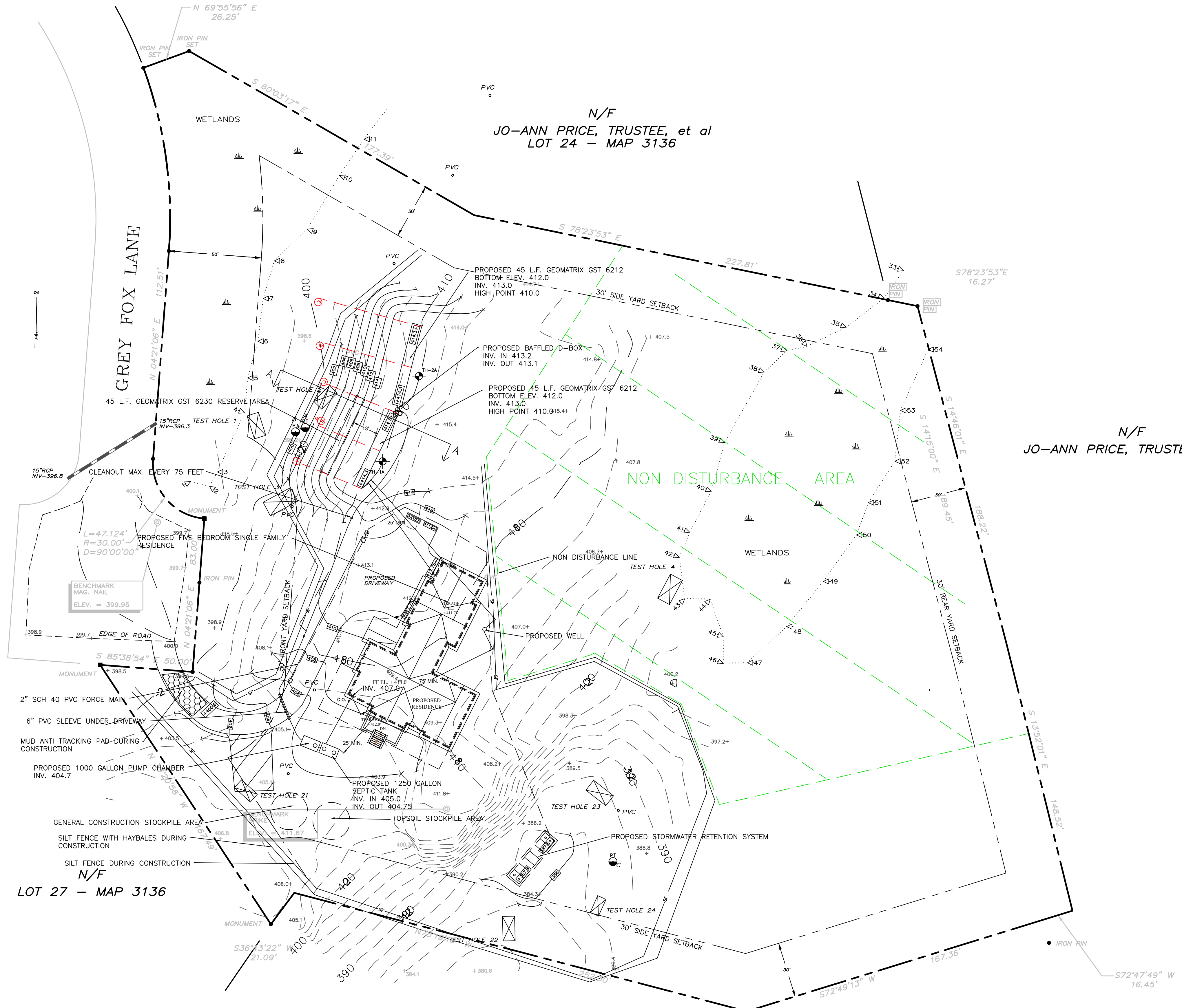
Summary for Link 1L: Combined Hydrograph

Inflow Area = 4.091 ac, 4.57% Impervious, Inflow Depth 5.55" for 50 Year event
Inflow = 26.40 cfs @ 12.07 hrs, Volume= 1.891 af
Primary = 26.40 cfs @ 12.07 hrs, Volume= 1.891 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs

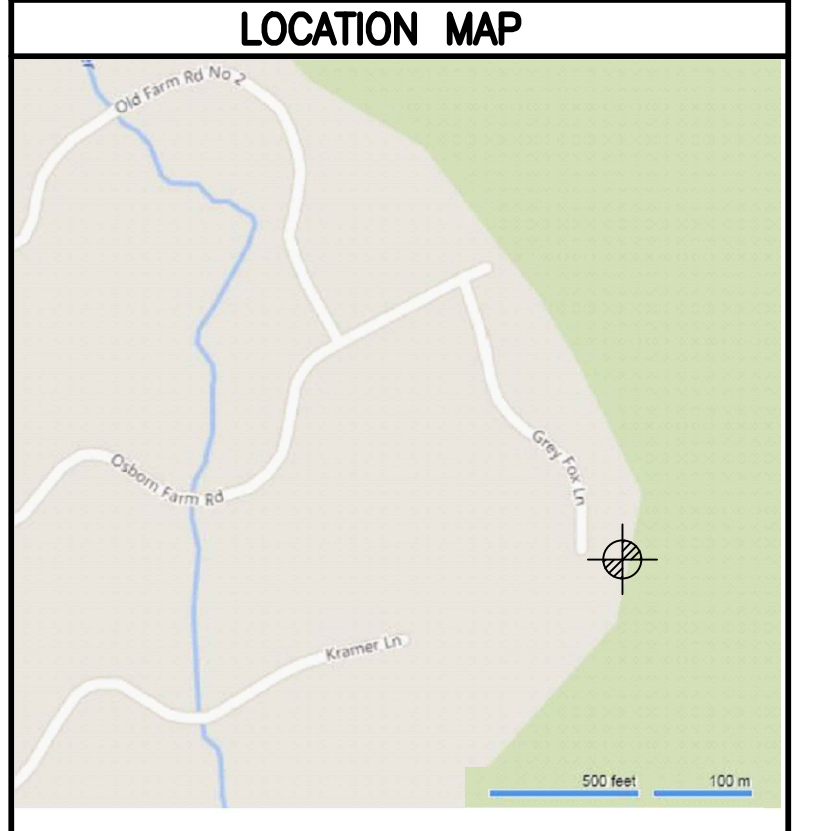
Link 1L: Combined Hydrograph





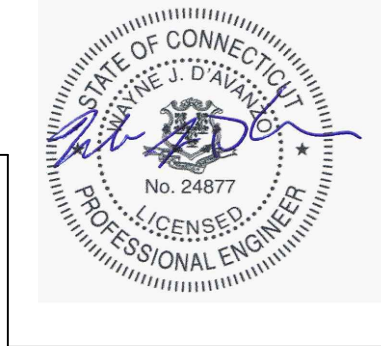
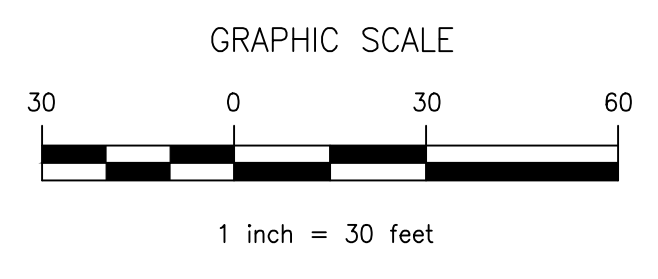
SEWAGE DISPOSAL SYSTEM NOTES

1. THE PROPOSED SEWAGE DISPOSAL SYSTEM SHALL CONFORM TO SECTIONS 19-13-B103d THROUGH 19-13-B104d OF THE CONNECTICUT STATE HEALTH CODE.
2. THE WESTPORT/WESTON HEALTH DISTRICT AND THE ENGINEER OF RECORD SHALL BE NOTIFIED THREE DAYS PRIOR TO COMMENCEMENT OF EACH PHASE OF CONSTRUCTION.
3. NO CERTIFICATE OF CONFORMANCE TO STANDARDS SHALL BE ISSUED BY THE DESIGN ENGINEER IF PROPER NOTICE IS NOT PROVIDED FOR INSPECTIONS OR IF INSPECTIONS ARE NOT MADE PRIOR TO BACKFILLING OF BELOW GROUND STRUCTURES AND APPURTENANCES.
4. ALL EXISTING SITE AND UTILITY LOCATIONS ARE AS TAKEN FROM A MAP TITLED "TOPOGRAPHIC SURVEY PREPARED FOR BPC GREEN BUILDERS", BY PAUL A. BRAUTIGAM, DATED JUNE 8, 2017.
5. THE PROPOSED STRUCTURE IS A FIVE BEDROOM RESIDENCE. THE REQUIRED EFFECTIVE LEACHING AREA FOR THIS HOUSE, WHICH IS BASED UPON AN OBSERVED PERCOLATION RATE OF 1"/20 MIN., IS 900.0 SF.
6. THE PROPOSED LEACHING AREA CONSISTS OF 90 LINEAR FEET OF GEOMATRIX GST 6212, WHICH WILL PROVIDE 900.0 S.F. OF EFFECTIVE LEACHING AREA, (90 x 10.0 = 900.0).
7. THE PROPOSED 1250 GALLON SEPTIC TANK SHALL CONFORM TO THE SPECIFICATIONS OUTLINED IN THE STATE OF CONNECTICUT TECHNICAL STANDARDS.
8. A RESERVE SYSTEM CONSISTING OF 45 L.F. OF GEOMATRIX 6230 IS SHOWN ON THE PLAN.
9. NO WELL WILL BE WITHIN 75 FEET OF THE PROPOSED SEPTIC SYSTEM.
10. A BENCHMARK SHALL BE ESTABLISHED IN THE FIELD BY A SURVEYOR.
11. ALL BERM MATERIAL SHALL BE FREE OF LARGE STONE, LOGS, OR OTHER DEBRIS THAT MAY CREATE LARGE VOIDS. IT SHALL CONSIST OF COMPACTED NATIVE LOAMY SOIL WITH A MAXIMUM PERCOLATION RATE OF 1"/15 MINUTES.
12. ALL FILL SHALL BE PLACED ON THE PERIMETER OF THE PROPOSED LEACHING SYSTEM AND CAREFULLY PLACED BY THE CONTRACTOR IN LIFTS OF 1' MAXIMUM USING A SMALL CRAWLER, TRACTOR OR OTHER APPROVED MACHINERY.
13. DISTRIBUTION BOXES SHALL BE ON STABLE FOOTING, CONSISTING OF 10" CRUSHED STONE.
14. ALL LOCATIONS OF INLETS AND OUTLETS FROM THE SEPTIC TANK AND DISTRIBUTION BOXES SHALL BE GASKETED.
15. ALL SELECT FILL MATERIAL MUST MEET THE REQUIREMENTS SPECIFIED IN SECTION VIII A OF THE STATE OF CONNECTICUT PUBLIC HEALTH CODE TECHNICAL STANDARDS. A SIEVE ANALYSIS MUST BE SUBMITTED AND APPROVED BY THE ENGINEER PRIOR TO THE INSTALLATION.
16. ALL SELECT FILL SHALL HAVE FEWER THAN 2.5% OF THE FINES PASSING THE #200 SIEVE, FEWER THAN 5% OF THE FINES PASSING #100 SIEVE, AND SHALL ACHIEVE AN AVERAGE PERCOLATION RATE OF 1"/5 MINUTES, AFTER BEING PLACED. ALL FILL SHALL BE PLACED IN LIFTS OF 1' MAXIMUM.
17. THE CONTRACTOR SHALL PROVIDE A REPRESENTATIVE SAMPLE OF ALL FILL MATERIAL TO THE ENGINEER OF RECORD FOR INSPECTION AND SIEVE ANALYSIS AT THE CONTRACTOR'S EXPENSE, PRIOR TO PLACEMENT. IT MAY BE ALSO NECESSARY FOR THE INSTALLER TO PROVIDE A SAMPLE OF THE SOIL TO THE LOCAL HEALTH DEPARTMENT.
18. THE SELECT FILL SHALL BE HARROWED INTO EXISTING SOIL, PAST THE TOPSOIL LAYER.
19. THE PUMP SHALL BE LIBERTY 280 SERIES OR EQUAL.
20. THE PUMP SHALL BE EQUIPPED WITH A FLOAT SWITCH SET SO THAT THE PUMP DISCHARGES 300 GALLON PER CYCLE. ELECTRICAL HOOKUP TO THE ALARM SHALL BE PLACED IN A MINIMUM 4" BY 4" WEATHER TIGHT BOX SET A MINIMUM OF 12" ABOVE FINISHED GRADE IN A PROTECTED LOCATION. A SERVICE DISCONNECT SHALL BE PLACED WITHIN VIEW SERVICE DISCONNECT SHALL BE PLACED WITHIN VIEW OF THE PUMP CHAMBER.
21. THE PUMP SHALL BE EQUIPPED WITH A WARNING SYSTEM THAT SHALL BE VISIBLE AND AUDIBLE TO THE HOMEOWNER.
22. THE PUMP TESTING SHALL BE WITNESSED BY THE DESIGN ENGINEER AND THE WESTPORT/WESTON HEALTH DISTRICT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM THE ENGINEER AND THE HEALTH DEPARTMENT WHEN THE SYSTEM IS READY FOR TESTING.
23. THE PROPOSED PUMP CHAMBER SHALL BE A 1000 GALLON SEPTIC TANK WITH ACCESS MANHOLE TO GRADE AS MANUFACTURED BY ARROW CONCRETE PRODUCTS, INC. (CATALOG NO. ST1000), OR EQUAL. THE PROPOSED PUMP CHAMBER SHALL HAVE A MINIMUM RESERVE CAPACITY OF 600 GALLONS.
24. THE PUMP CHAMBER AND SEPTIC TANK SHALL BE WATER-TIGHT AND BE SO CERTIFIED BY THE MANUFACTURER.
25. THE CONTRACTOR SHALL MORTAR ALL INLETS AND OUTLETS FROM SEPTIC TANK AND PUMP CHAMBER ONCE PIPES HAVE BEEN INSTALLED.
26. THE CONTRACTOR SHALL REMOVE ALL TREES, STUMPS, AND LARGE STONES WITHIN LIMITS OF THE SEWAGE DISPOSAL SYSTEM.
27. THE CONTRACTOR SHALL STRIP AND STOCKPILE TOPSOIL OUTSIDE THE LIMITS OF SEWAGE DISPOSAL SYSTEM AND REUSE IT TO FINISH GRADE THE AREA OF DISTURBANCE. ADDITIONAL TOPSOIL, IF REQUIRED TO COVER DISTURBED AREAS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
28. THE CONTRACTOR SHALL TOPSOIL, FINE RAKE, SEED AND MULCH ALL AREAS DISTURBED BY CONSTRUCTION.
29. WHERE POSSIBLE THE CONTRACTOR SHALL SAVE EXISTING TREES IN AND AROUND THE AREA OF THE PROPOSED SEWAGE DISPOSAL SYSTEM BY WHATEVER MEANS HE DEEMS PRUDENT. NO TREES ARE TO BE REMOVED WITHOUT THE AUTHORIZATION OF THE OWNER.
30. ALL UTILITY LOCATIONS ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THE LOCATION OF THE UTILITIES IN THE FIELD BY WHATEVER MEANS HE DEEMS PRUDENT.
31. THIS SYSTEM IS NOT DESIGNED TO ACCEPT WASTE FROM GARBAGE DISPOSAL UNITS, BACKWASH FROM WATER SOFTENER UNITS OR DISCHARGE FROM JACUZZI TYPE HOT TUBS (> 100 GALLONS).
32. THIS SYSTEM IS NOT DESIGNED TO ACCOMMODATE ANY FIXTURE FROM LEVELS LOWER THAN THE FIRST FLOOR. USE OF EJECTOR PUMP IS ASSUMED.
33. CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING "CALL BEFORE YOU DIG", 1-800-922-4455, PRIOR TO START OF ANY EXCAVATION WORK ON SITE, TO LOCATE ALL UNDERGROUND UTILITIES ON PROPERTY AND SHOW SERVICE LINES TO BUILDING. EXCAVATIONS WITHIN 5 TO 25 FEET OF THE SEPTIC SYSTEM SHALL NOT BE BACKFILLED WITH FREE DRAINING MATERIAL.
34. THIS DESIGN CONFORMS TO APPLICABLE CODES AND ACCEPTED PRACTICE, NO OTHER WARRANTY IS EXPRESSED OR IMPLIED.
35. AN "AS BUILT" PLAN, CERTIFIED BY A PROFESSIONAL ENGINEER, SHALL BE SUBMITTED TO THE DEPARTMENT OF HEALTH BEFORE A "PERMIT TO USE" IS ISSUED.
36. A CONNECTICUT REGISTERED PROFESSIONAL ENGINEER ACCEPTABLE TO THE DIRECTOR OF HEALTH SHALL INSPECT CONSTRUCTION TO INSURE COMPLIANCE WITH THE PROPOSED PLAN.
37. THIS SYSTEM IS DESIGNED FOR A MAXIMUM DAILY WATER USE OF 750 GALLONS.
38. MLSS REQUIREMENTS:
5 BEDROOM DWELLING: FF = 2.0
PF = 1.25
RL = 26" AVG. (THIS 1-A & 2-A)
SL = 21.0%
HF = 24
MLSS = (2.0) (1.25) (24) = 60 L.F.
SPREAD PROVIDED: 90 L.F.



- SEDIMENTATION AND EROSION CONTROL NOTES**
1. LAND DISTURBANCE SHALL BE KEPT TO A MINIMUM. PERMANENT STABILIZATION SHALL BE SCHEDULED AS SOON AS FINAL GRADES ARE ESTABLISHED.
 2. ALL DISTURBED AREAS SHALL BE FINE GRADED AND SEEDED WITH AN APPROVED SEED MIXTURE. COVER NEWLY SEEDED AREAS WITH MULCH HAY OR SALT HAY.
 3. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE 2002 CONNECTICUT "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" HANDBOOK.
 4. ALL CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. CHECK AFTER EACH STORM EVENT.
 5. ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF REQUIRED BY TOWN AUTHORITIES.
 6. SEDIMENT DEPOSITS REMOVED FROM FILTER BARRIERS SHALL BE PLACED IN FILL AREAS OR SPREAD WHERE THERE IS PROPOSED VEGETATIVE COVER. ANY SEDIMENT DEPOSITS REMAINING AFTER THE FILTER BARRIER IS REMOVED SHALL BE FINE GRADED AND PLANTED ACCORDING TO PLAN.
 7. THE SITE CONSTRUCTION CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFYING THE PLANNING AND ZONING OFFICE (AND/OR THE CONSERVATION COMMISSION) OF ANY TRANSFER OF THIS RESPONSIBILITY AND CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED TO A NEW OWNER.

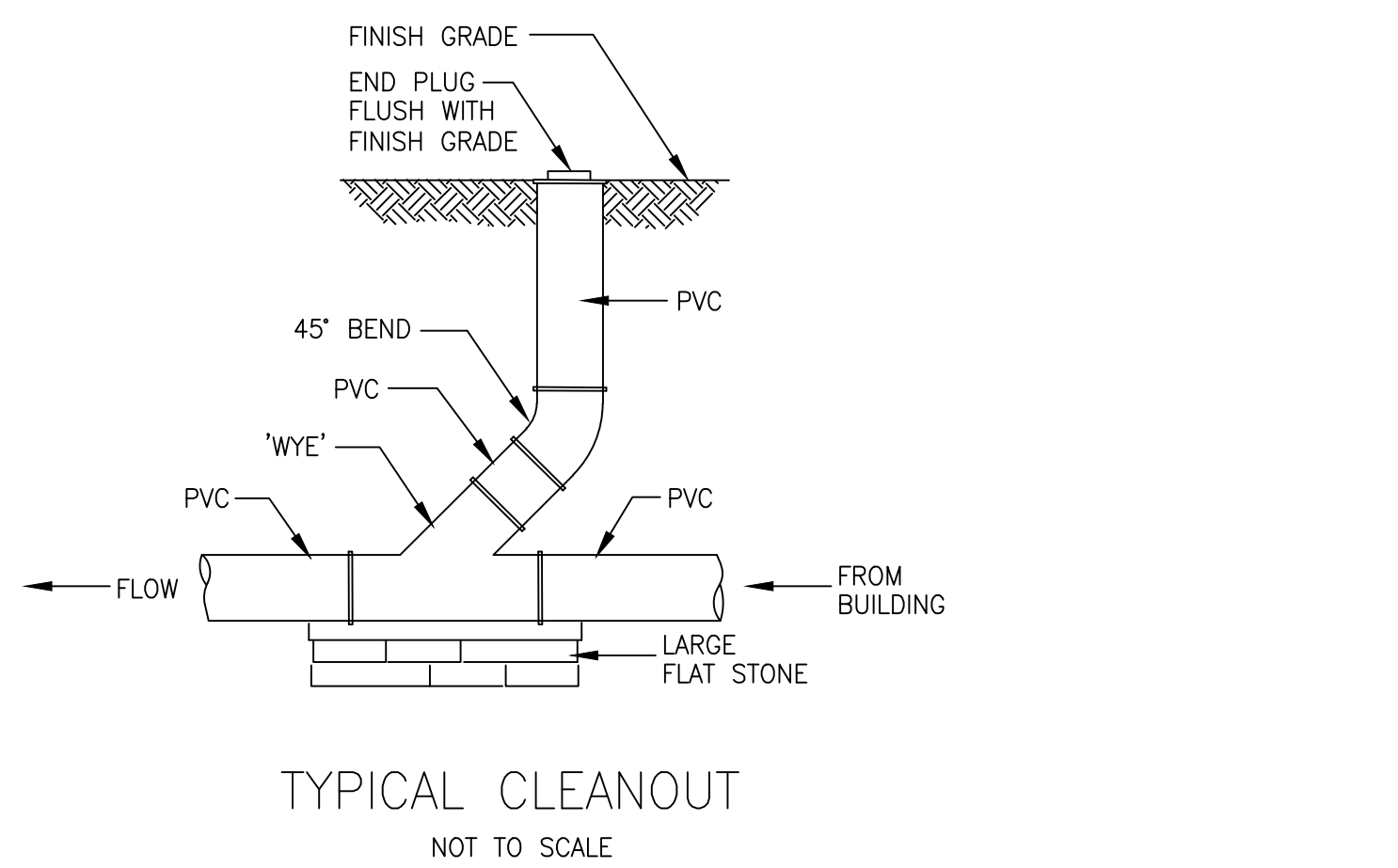
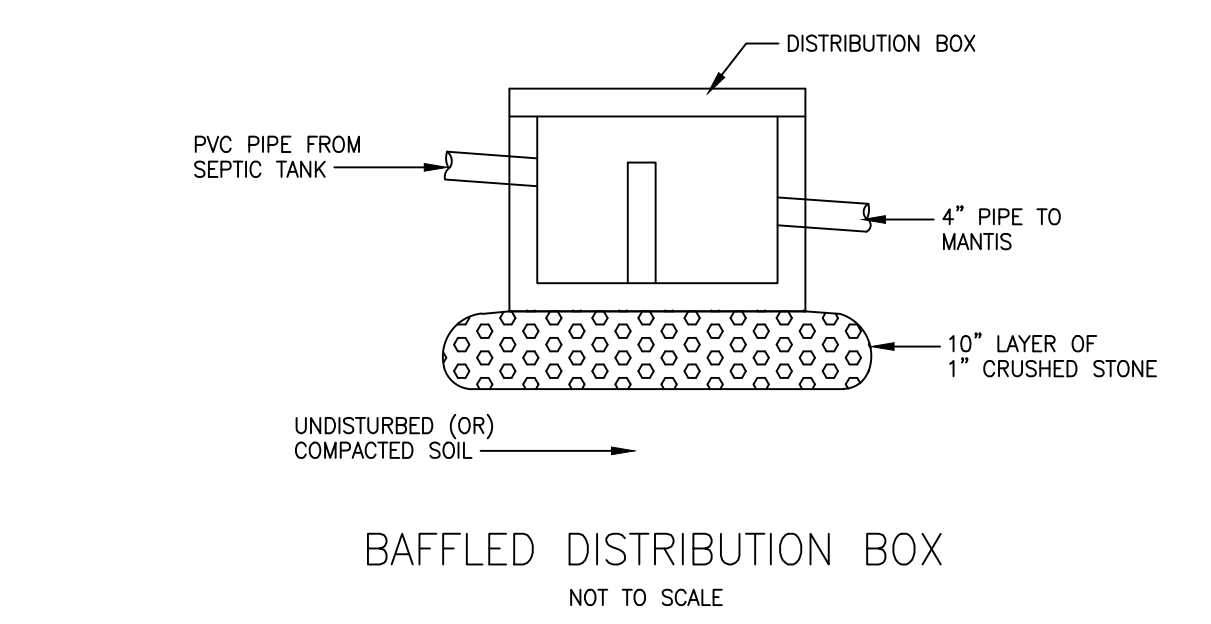
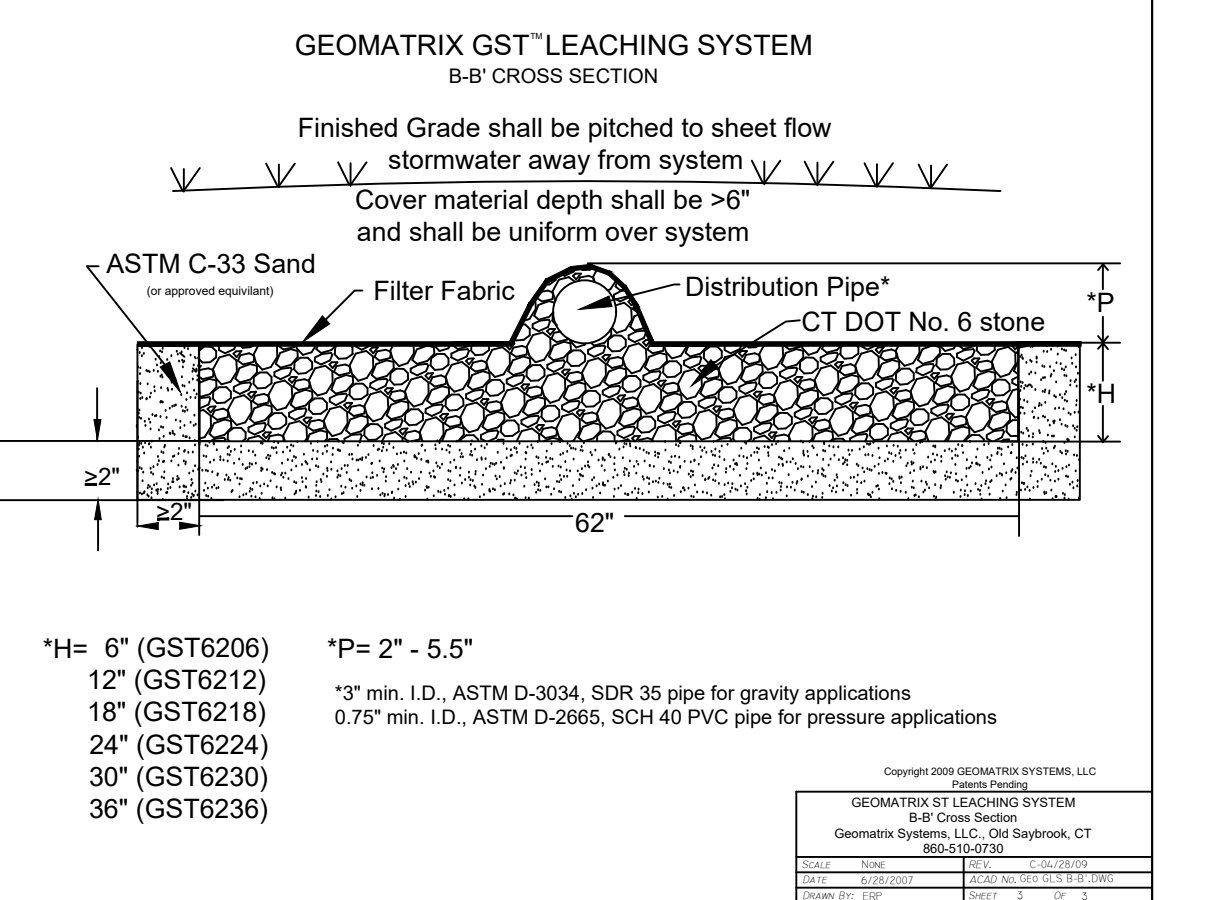
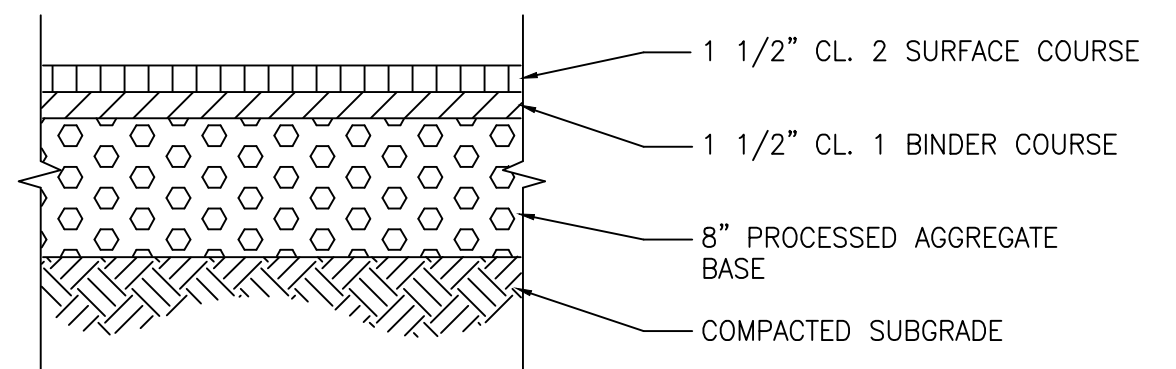
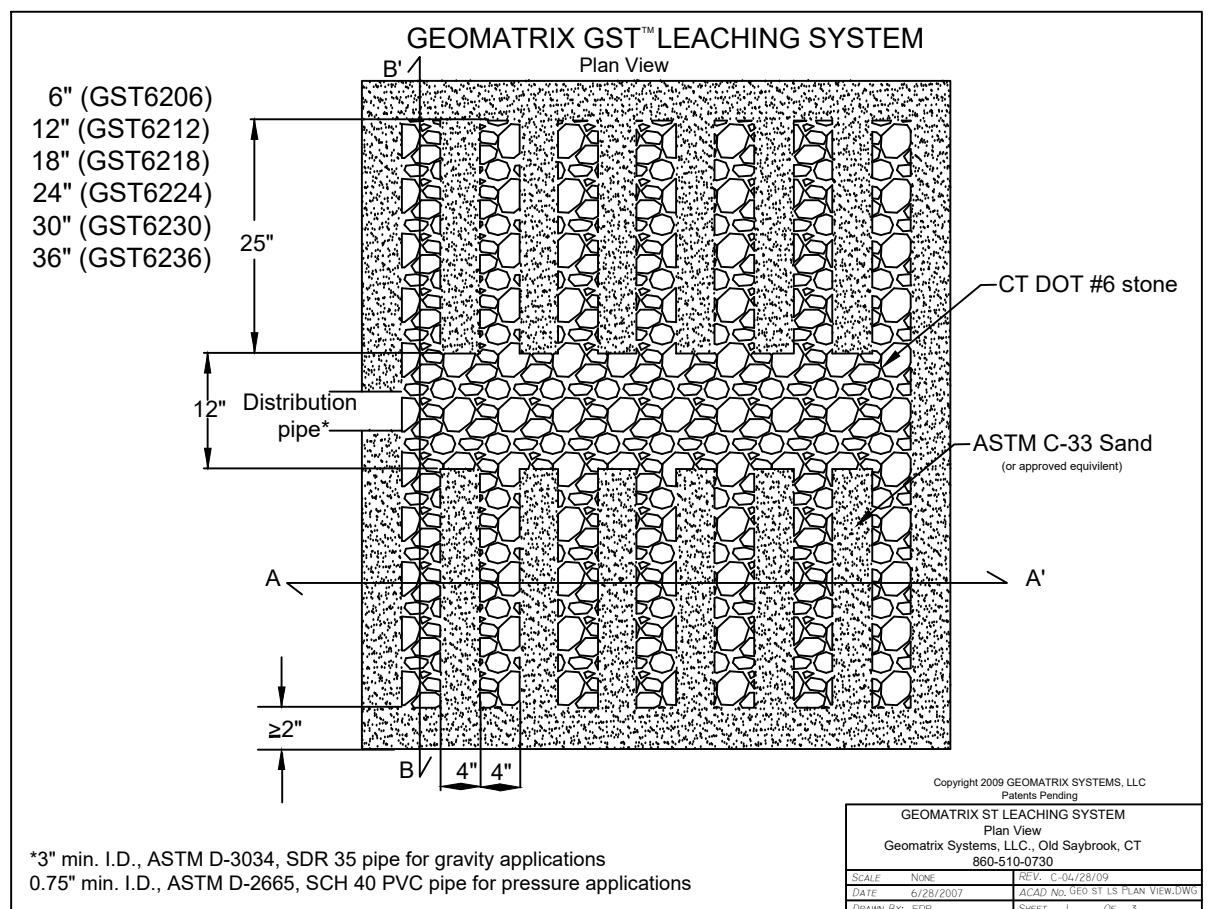
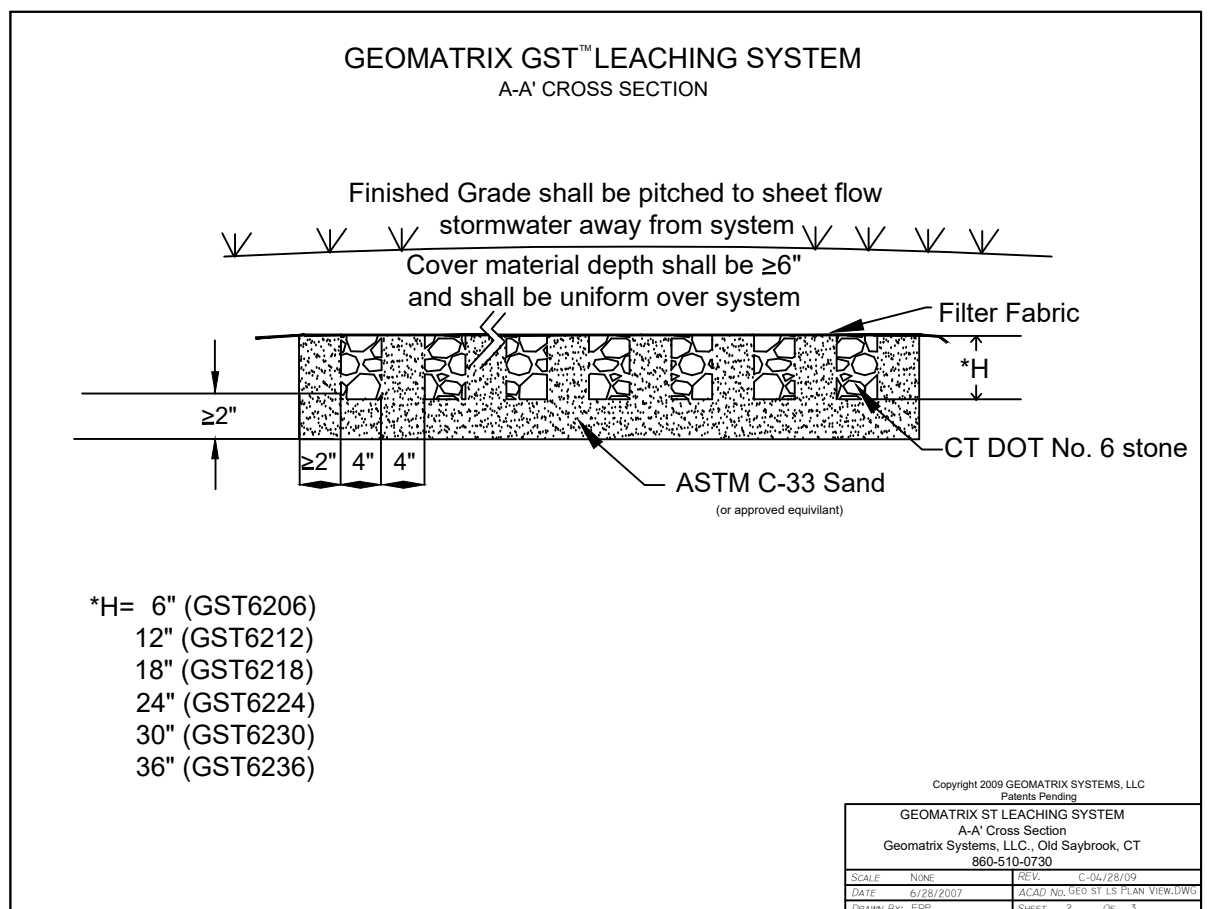
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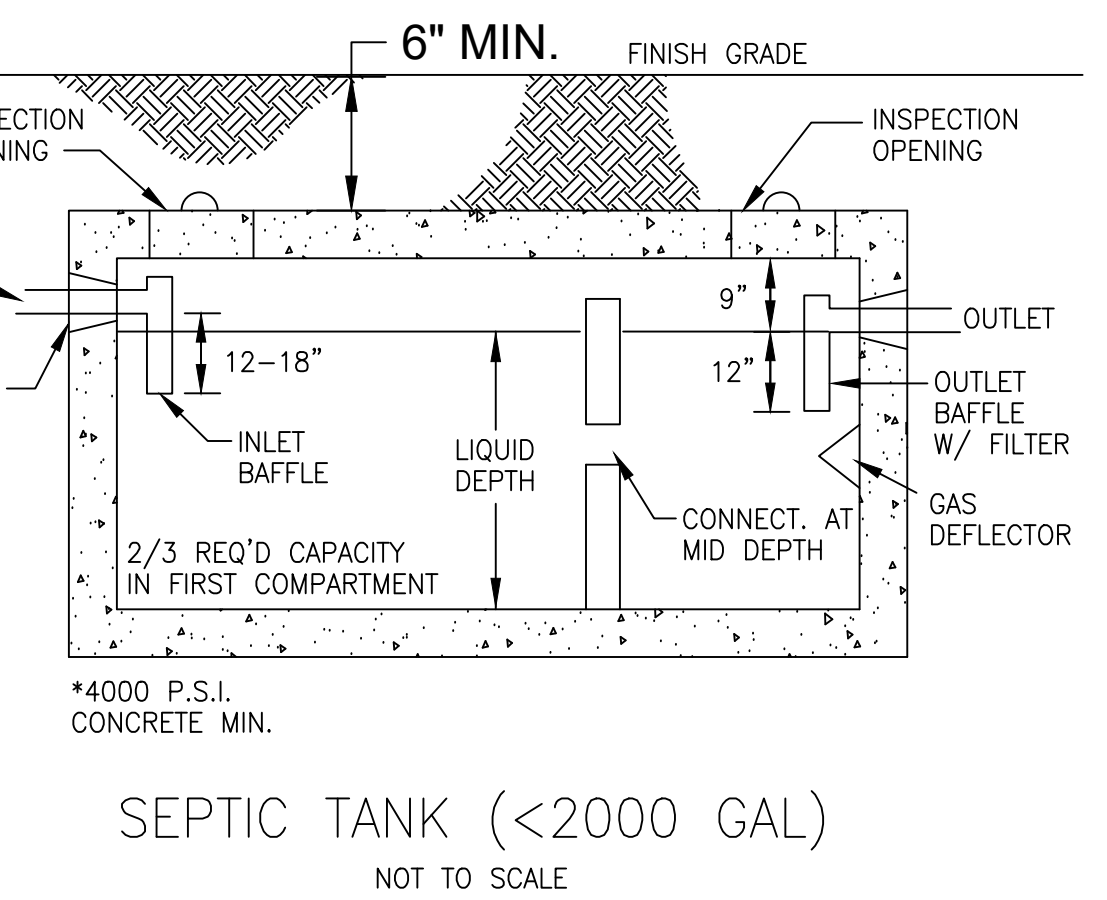
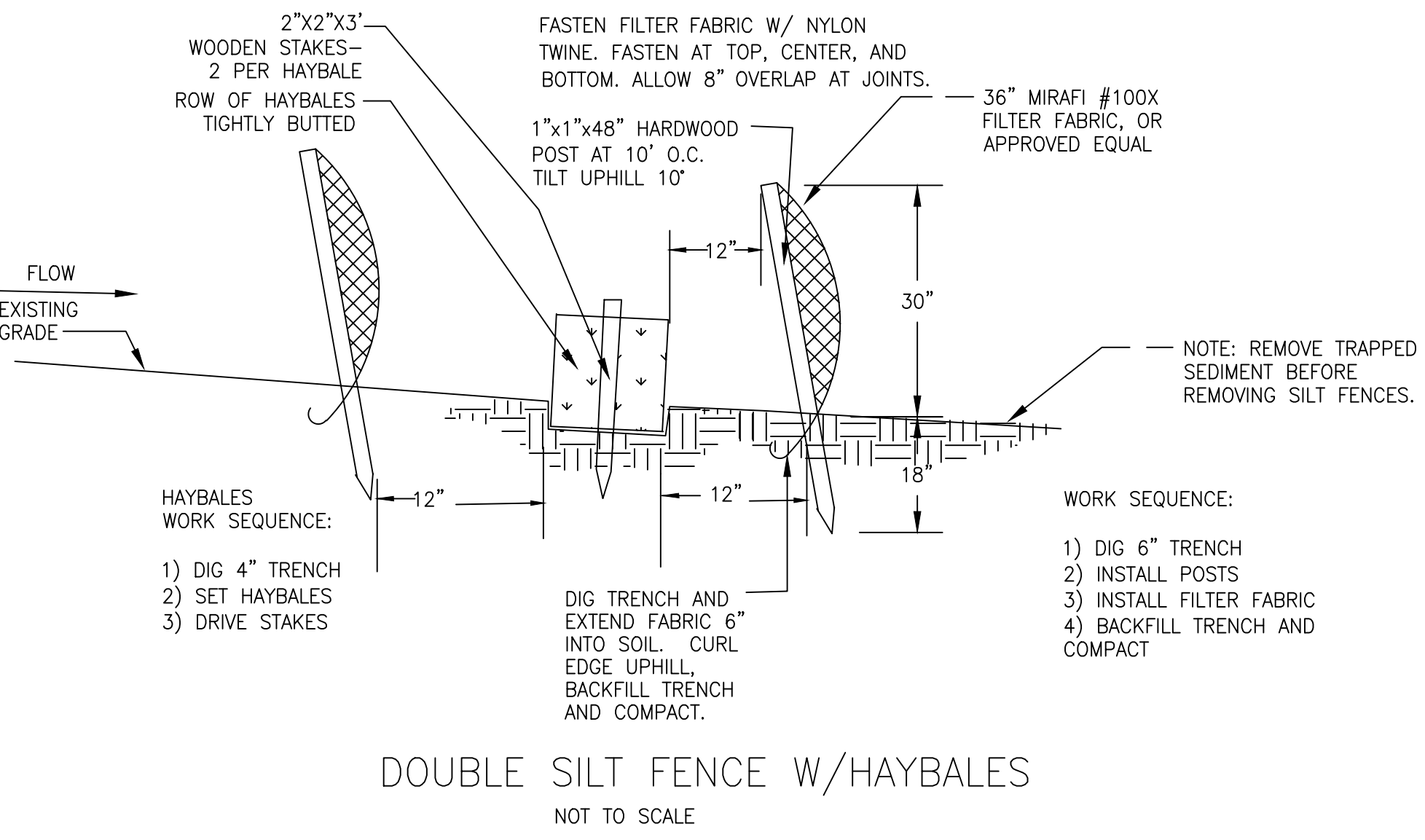
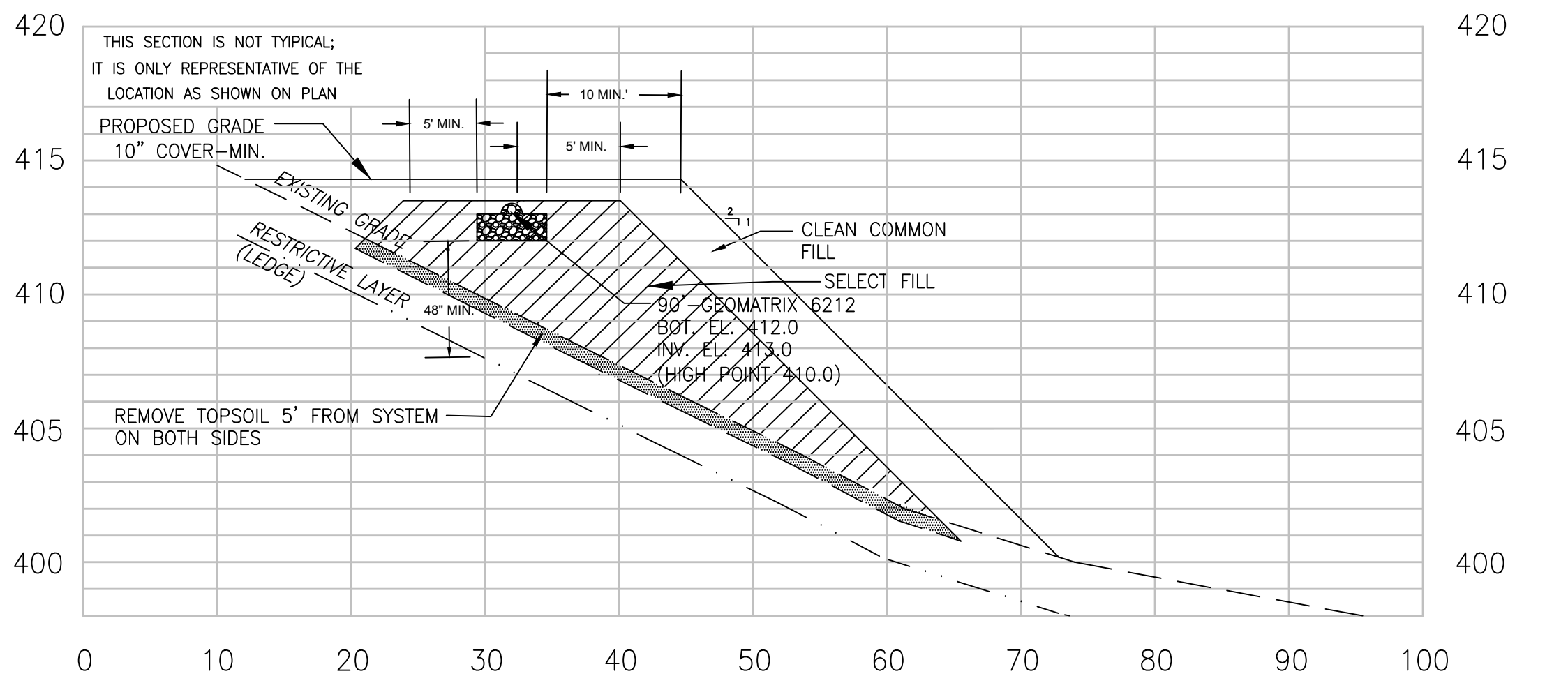
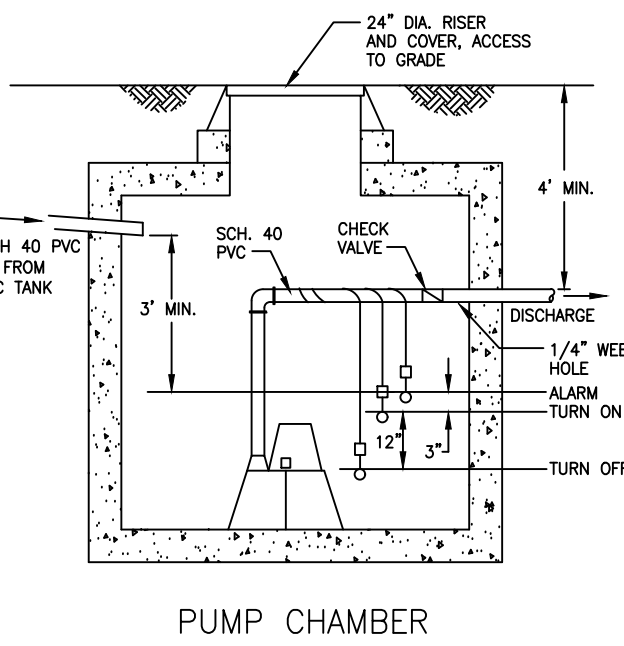
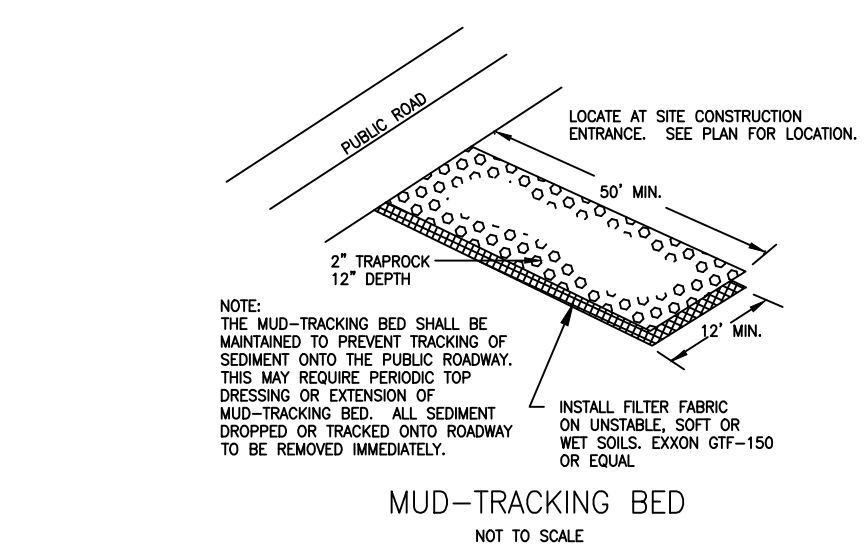
3-24-22 date		LOWELL BAKER 18 GREY FOX LANE WESTON, CONNECTICUT	
FAIRFIELD COUNTY ENGINEERING L.L.C.		SEPTIC PLAN	
60 WINFIELD STREET, NORWALK, CONNECTICUT 06855 PH: (203) 831-8005 FAX: (203) 831-8006		CIVIL ENGINEERS	1975 project
		1 OF 2 sheet	

FCE Project #	1342	Date Performed:	9/19/2015
Client:	BPC Green Builders		
Location:	18-22 Grey Fox Lane, Weston		
Observed by:	Others		
Test Hole 1:	0-4" Topsoil 4-34" Brown Silty Loam 34-56" Grey Compact Mottled Silt 56-85" Brown Sand with Silt No Ground Water No Mottling @ 34" No Ledge Roots to 34"		
Test Hole 2:	0-6" Topsoil 6-30" Brown Silty Loam 34-58" Grey Brown Compact Silt 58-80" Tan Brown Compact Silty Sand No Ground Water No Mottling No Ledge Roots to 66"		
Test Hole 3:	0-6" Topsoil 6-42" Brown Silty Loam 42-85" Grey Brown Compact Silt & Fine Silty Sand No Ground Water No Mottling No Ledge Roots to 55"		
Test Hole 22:	0-12" Topsoil 12-32" Brown Silty Loam 32-80" Grey Brown Compact Fine Silty Sand No Ground Water No Mottling No Ledge Roots to 32"		
Test Hole 23:	0-10" Topsoil 10-46" Light Brown Silty Loam 46-78" Grey Brown Compact Fine Silty Sand No Ground Water No Mottling No Ledge Roots to 60"		
Test Hole 24:	0-6" Topsoil 6-36" Brown Silty Loam 36-64" Grey Brown Compact Fine Silty Sand No Ground Water No Mottling Ledge @ 64" Roots to 48"		

Conducted by:	Others	Project:	1342
Location:	18-22 Grey Fox Lane	Town:	Weston
Client:	BPC Green Builders	Date:	12/15/2015
Weather conditions prior to and during tests:	Unknown		
Single Lot:	X	Subdivision:	
Diameter of Hole:	8"	Depth of Hole:	55"
PT-A	Design 1 1/20 Min.		
Time	Time Increment	Depth to Water	Drop in inches
11:03 AM		31 1/2"	1"
11:13 AM	10 Min.	33 1/4"	1 3/4"
11:23 AM	10 Min.	34 1/4"	1"
11:33 AM	10 Min.	35 1/4"	1"
11:43 AM	10 Min.	36"	3/4"
11:53 AM	10 Min.	36 3/4"	3/4"
12:03 PM	10 Min.	37 1/2"	3/4"
12:13 PM	10 Min.	38 1/4"	3/4"
Single Lot:	X	Subdivision:	
Diameter of Hole:	8"	Depth of Hole:	22"
PT-B	Design 1 1/20 Min.		
Time	Time Increment	Depth to Water	Drop in inches
11:08 AM		2"	2"
11:18 AM	10 Min.	7 1/4"	5 1/4"
11:28 AM	10 Min.	10"	2 3/4"
11:38 AM	10 Min.	11 1/2"	1 1/2"
11:48 AM	10 Min.	12 3/4"	1 1/4"
11:58 AM	10 Min.	13 3/4"	1"
12:08 PM	10 Min.	14 3/4"	1"
Single Lot:	X	Subdivision:	
Diameter of Hole:	8"	Depth of Hole:	46"
PT-C	Design 1 1/40 Min.		
Time	Time Increment	Depth to Water	Drop in inches
12:48 PM		29 1/2"	1 3/4"
12:58 PM	10 Min.	31"	1 3/4"
1:08 PM	10 Min.	32"	1"
1:18 PM	10 Min.	32 3/4"	3/4"
1:28 PM	10 Min.	33 1/2"	3/4"
1:38 PM	10 Min.	34"	1/2"
1:48 PM	10 Min.	34 1/4"	1/4"
Single Lot:	X	Subdivision:	
Diameter of Hole:	8"	Depth of Hole:	20"
PT-D	Design 1 1/40 Min.		
Time	Time Increment	Depth to Water	Drop in inches
12:40 PM		9"	3"
12:50 PM	10 Min.	12 1/2"	9 1/2"
1:00 PM	10 Min.	14 1/4"	1 3/4"
1:10 PM	10 Min.	15 1/2"	1 1/4"
1:20 PM	10 Min.	16 1/4"	3/4"
1:30 PM	10 Min.	16 3/4"	1/2"
1:40 PM	10 Min.	17 1/4"	1/2"



FCE Project #	1342	Date Performed:	9/26/2017
Client:	BPC Green Builders		
Location:	18-22 Grey Fox Lane, Weston		
Observed by:	Wayne D'Avanzo		
Test Hole 1A:	0-5" Topsoil 5-28" Light Brown Gravel with some Silt No Ground Water No Mottling Ledge @ 28" Roots to 28"		
Test Hole 2A:	0-5" Topsoil 5-24" Light Brown Gravel with some Silt No Ground Water No Mottling Ledge @ 24" Roots to 24"		



SLOPE CALCULATIONS

SLOPE LINE A:	9.3'/34.7'	26.8%	409.3 to 400.0
SLOPE LINE B:	8.2'/35.6'	23.0%	408.2 to 400.0
SLOPE LINE C:	9.3'/41.4'	22.4%	409.3 to 400.0
SLOPE LINE D:	8.1'/48.6'	16.6%	408.1 to 400.0
SLOPE LINE E:	9.5'/57.0'	16.6%	409.5 to 400.0

AVG. SLOPE 21.08%



LOWELL BAKER
18 GREY FOX LANE WESTON, CONNECTICUT

3-24-22 date

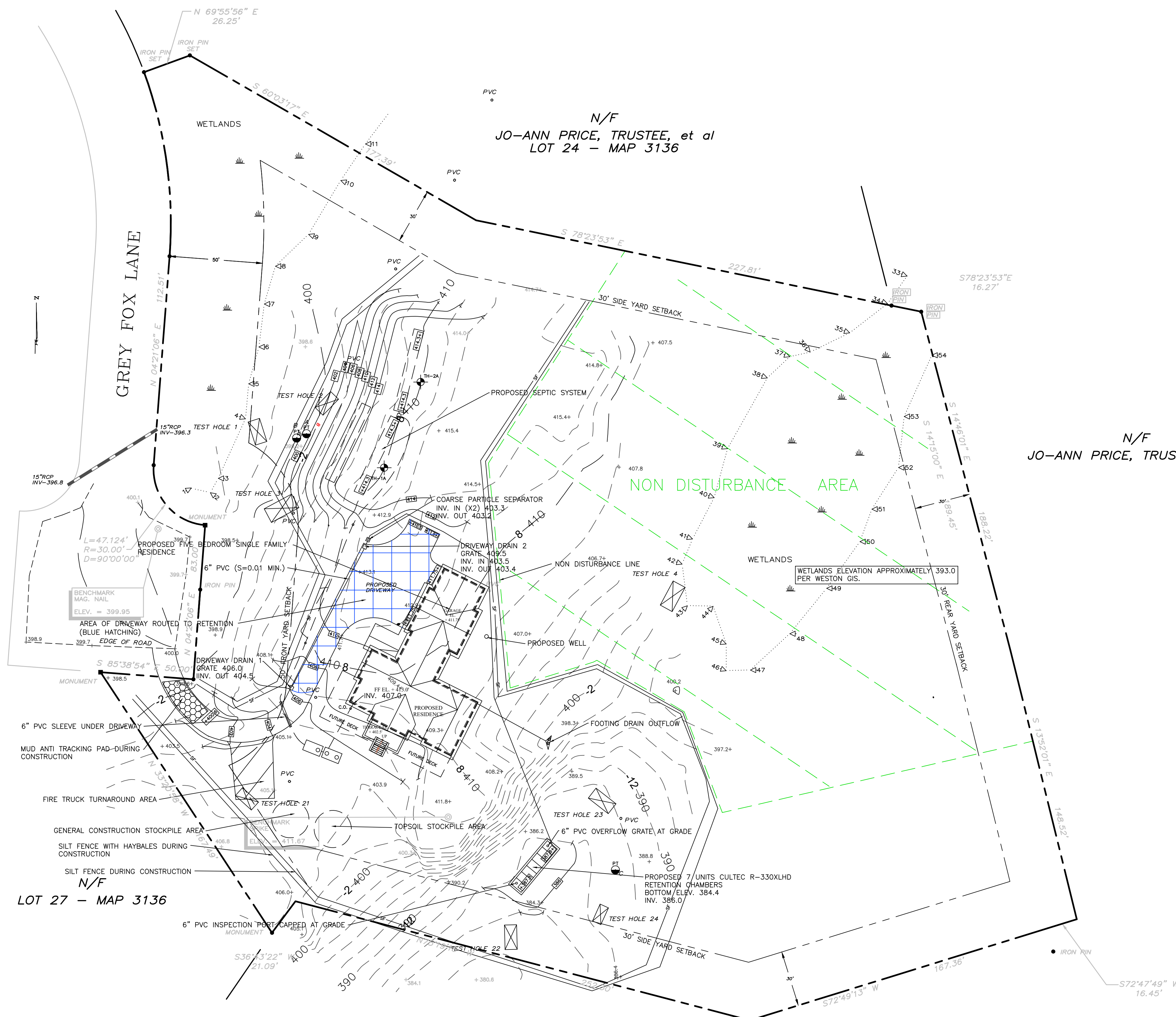
FAIRFIELD COUNTY ENGINEERING L.L.C.
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CIVIL ENGINEERS 1975 project

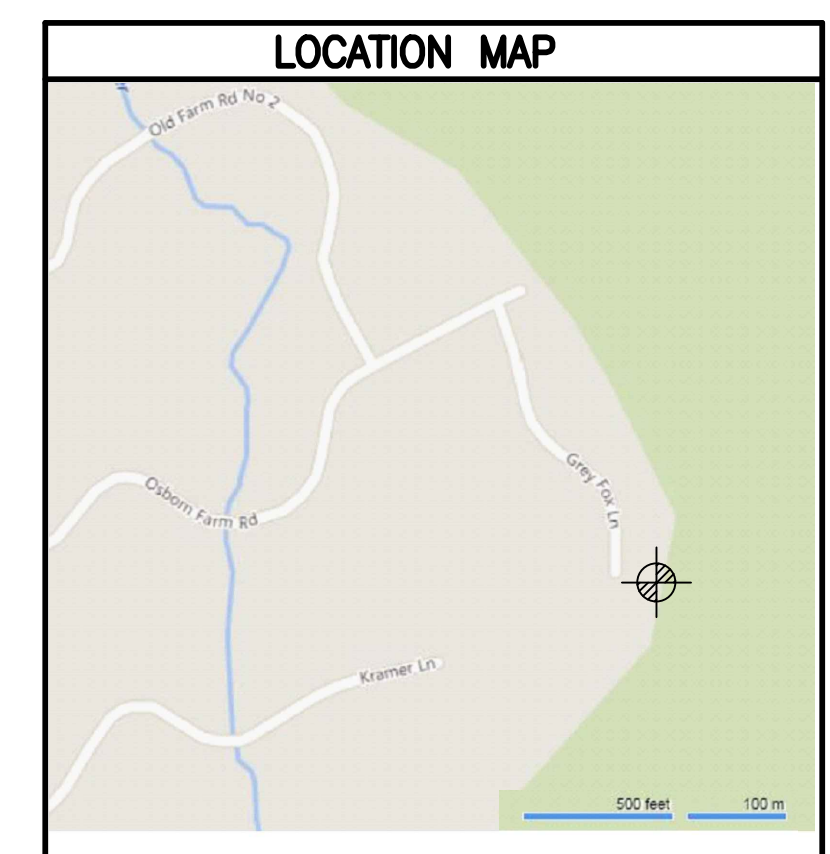
2 OF 2 sheet

GENERAL CONSTRUCTION NOTES:

1. CONSTRUCTION AND STRUCTURES SHALL COMPLY WITH ALL MUNICIPAL OR STATE REQUIREMENTS. ALL WORK SHALL BE CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER, TO THE SATISFACTION OF THE ENGINEERING BUREAU, THAT CONSTRUCTION IS IN ACCORDANCE WITH THESE PLANS.
2. THE ENGINEERING BUREAU OF THE DEPARTMENT OF PUBLIC WORKS AND THE ENGINEER OF RECORD SHALL BE NOTIFIED THREE DAYS PRIOR TO THE COMMENCEMENT OF EACH PHASE OF CONSTRUCTION.
3. NO CERTIFICATE OF CONFORMANCE TO STANDARDS SHALL BE ISSUED BY THE DESIGN ENGINEER IF PROPER NOTICE IS NOT PROVIDED FOR INSPECTIONS OR IF INSPECTIONS ARE NOT MADE PRIOR TO BACKFILLING OF BELOW GROUND STRUCTURES AND APPURTENANCES.
4. SUBSURFACE STRUCTURES AND UTILITIES HAVE BEEN DETERMINED FROM EXISTING RECORDS AND ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE. IN ORDER TO AVOID CONFLICT OF THE PROPOSED WORK AND EXISTING UTILITIES, THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES BY EXCAVATING TEST HOLES. IF THE CONTRACTOR DETERMINES THAT A CONFLICT EXISTS, HE SHALL IMMEDIATELY NOTIFY THE ENGINEER, WHO WILL MAKE THE NECESSARY ADJUSTMENTS.
5. EXISTING PROPERTY AND UTILITY INFORMATION WAS TAKEN FROM A SURVEY BY PAUL A. BRAUTIGAM TITLED "TOPOGRAPHIC SURVEY PREPARED FOR BPC GREEN BUILDERS", DATED JUNE 8, 2017.
6. ALL SANITARY SEWER PIPE SHALL BE EITHER SDR-35 P.V.C. (ASTM D-3034) OR CLASS 52 DUCTILE IRON (ANSI A 21-51), AS INDICATED ON THE PLANS, UNLESS OTHERWISE INDICATED. ALL SANITARY SEWER PIPE SHALL HAVE RUBBER GASKET SLIP-TYPE JOINTS. INFILTRATION INTO SANITARY SEWERS SHALL NOT EXCEED 150 GALLONS PER INCH OF PIPE DIAMETER PER MILE OF PIPE IN 24 HOURS.
7. NO PIPE SHALL HAVE A BEND OF GREATER THAN 45 DEGREES.
8. THE CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" AT 1-800-922-4455, OR OTHER APPROPRIATE CONTACT POINT PRIOR TO START OF CONSTRUCTION.
9. ALL UTILITY LOCATIONS ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THE LOCATION OF THE UTILITIES IN THE FIELD BY WHATEVER MEANS HE DEEMS PRUDENT.
10. THIS DESIGN CONFORMS TO APPLICABLE CODES AND ACCEPTED PRACTICE, NO OTHER WARRANTY IS EXPRESSED OR IMPLIED.
11. TOTAL SITE AREA = 4.09 ACRES

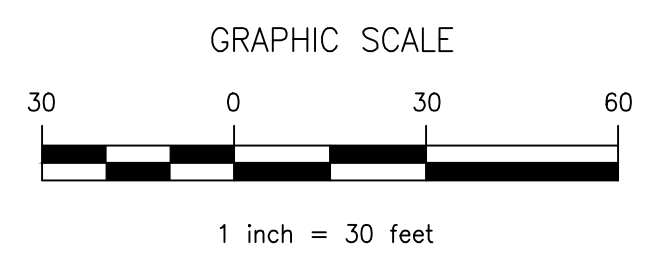


N/F
JO-ANN PRICE, TRUSTEE, et al



- SEDIMENTATION AND EROSION CONTROL NOTES**
1. LAND DISTURBANCE SHALL BE KEPT TO A MINIMUM. PERMANENT STABILIZATION SHALL BE SCHEDULED AS SOON AS FINAL GRADES ARE ESTABLISHED.
 2. ALL DISTURBED AREAS SHALL BE FINE GRADED AND SEEDED WITH AN APPROVED SEED MIXTURE. COVER NEWLY SEEDED AREAS WITH MULCH HAY OR SALT HAY.
 3. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE 2002 CONNECTICUT "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" HANDBOOK.
 4. ALL CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. CHECK AFTER EACH STORM EVENT.
 5. ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF REQUIRED BY TOWN AUTHORITIES.
 6. SEDIMENT DEPOSITS REMOVED FROM FILTER BARRIERS SHALL BE PLACED IN FILL AREAS OR SPREAD WHERE THERE IS PROPOSED VEGETATIVE COVER. ANY SEDIMENT DEPOSITS REMAINING AFTER THE FILTER BARRIER IS REMOVED SHALL BE FINE GRADED AND PLANTED ACCORDING TO PLAN.
 7. THE SITE CONSTRUCTION CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFYING THE PLANNING AND ZONING OFFICE (AND/OR THE CONSERVATION COMMISSION) OF ANY TRANSFER OF THIS RESPONSIBILITY AND CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED TO A NEW OWNER.

N/F
THE NATURE CONSERVANCY

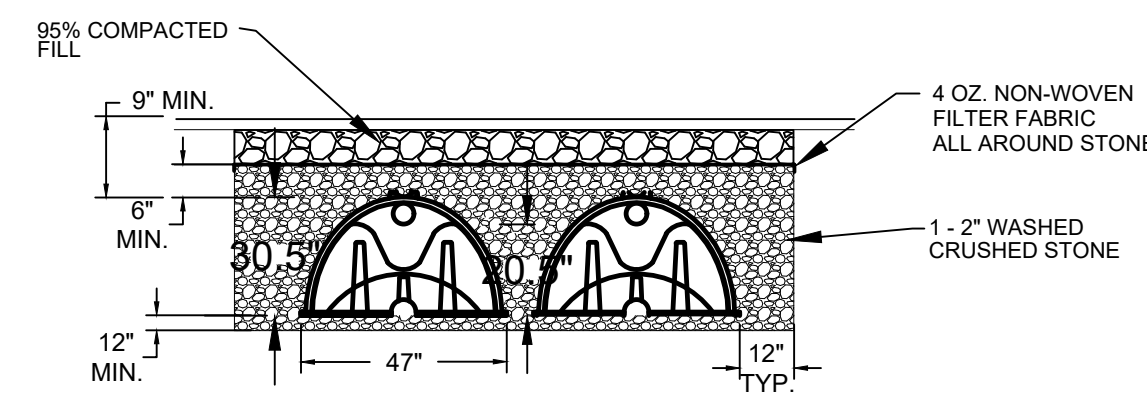


	REV. 4/12/22: PER CONSERVATION COMMENTS.	
	LOWELL BAKER 18 GREY FOX LANE WESTON, CONNECTICUT	
3-24-22 date	DRAINAGE PLAN	
CIVIL ENGINEERS		1975 project
FAIRFIELD COUNTY ENGINEERING L.L.C. 60 WINFIELD STREET, NORWALK, CONNECTICUT 06855 PH: (203) 831-8005 FAX: (203) 831-8006		
		1 OF 2 sheet

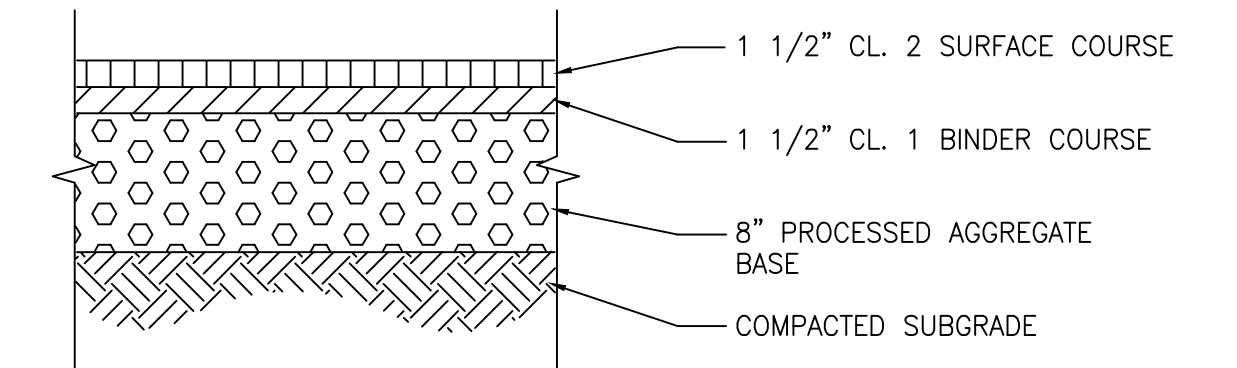
FCE Project #	1342	Date Performed:	9/19/2015
Client:	BPC Green Builders		
Location:	18-22 Grey Fox Lane, Weston		
Observed by:	Others		
Test Hole 1:	0-4" Topsoil 4-34" Brown Silty Loam 34-56" Grey Compact Mottled Silt 56-85" Brown Sand with Silt No Ground Water Motting @ 34" No Ledge Roots to 34"		
Test Hole 2:	0-6" Topsoil 6-30" Brown Silty Loam 34-58" Grey Brown Compact Silt 58-80" Tan Brown Compact Silty Sand No Ground Water No Motting No Ledge Roots to 66"		
Test Hole 3:	0-6" Topsoil 6-42" Brown Silty Loam 42-85" Grey Brown Compact Silt & Fine Silty Sand No Ground Water No Motting No Ledge Roots to 55"		
Test Hole 22:	0-12" Topsoil 12-32" Brown Silty Loam 32-80" Grey Brown Compact Fine Silty Sand No Ground Water No Motting No Ledge Roots to 32"		
Test Hole 23:	0-10" Topsoil 10-46" Light Brown Silty Loam 46-78" Grey Brown Compact Fine Silty Sand No Ground Water No Motting No Ledge Roots to 60"		
Test Hole 24:	0-6" Topsoil 6-36" Brown Silty Loam 36-64" Grey Brown Compact Fine Silty Sand No Ground Water No Motting Ledge @ 64" Roots to 46"		

FCE Project #	1342	Date Performed:	9/26/2017
Client:	BPC Green Builders		
Location:	18-22 Grey Fox Lane, Weston		
Observed by:	Wayne D'Avanzo		
Test Hole 1A:	0-5" Topsoil 5-28" Light Brown Gravel with some Silt No Ground Water No Motting Ledge @ 28" Roots to 28"		
Test Hole 2A:	0-5" Topsoil 5-24" Light Brown Gravel with some Silt No Ground Water No Motting Ledge @ 24" Roots to 24"		

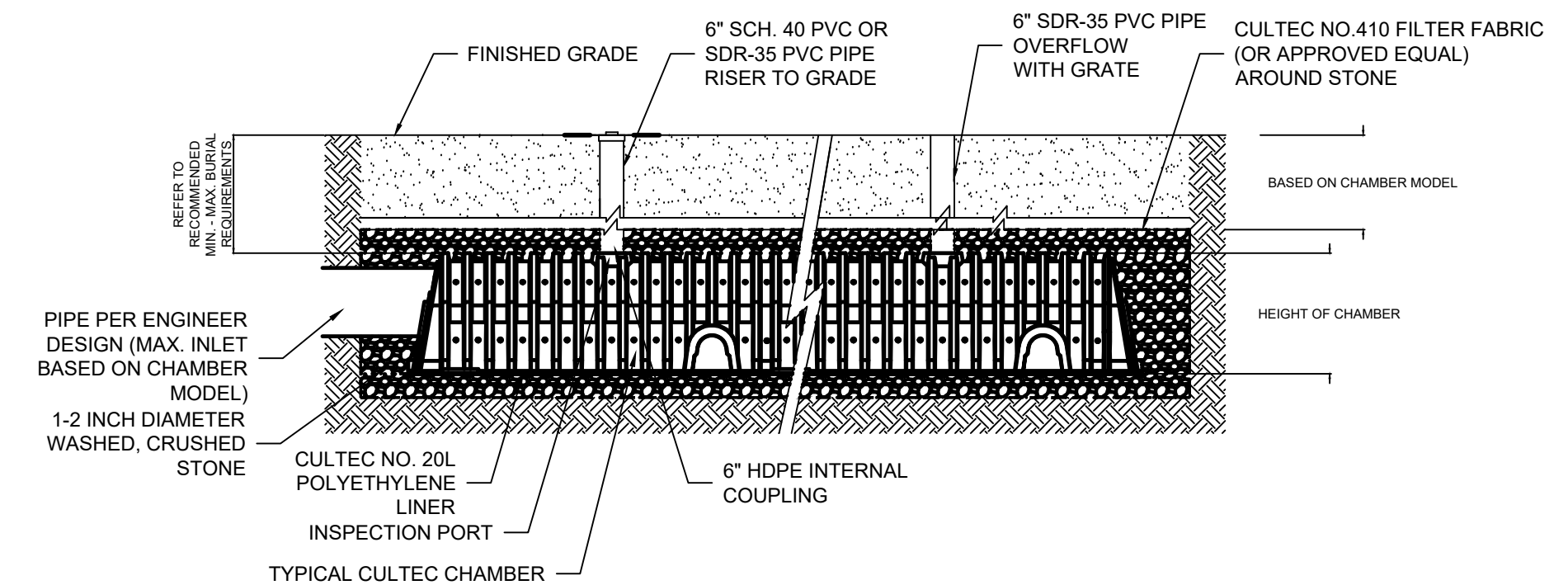
Conducted by:	Others	Project:	1342	
Location:	18-22 Grey Fox Lane	Town:	Weston	
Client:	BPC Green Builders	Date:	12/15/2015	
Weather conditions prior to and during tests:	Unknown			
Single Lot:	X	Subdivision:		
Diameter of Hole:	8"	Depth of Hole:	55"	
PT-A	Design 1" / 20 Min.			
Time	Time Increment	Depth to Water	Drop in inches	Soil Percolation Rate Time to drop 1 inch
11:03 AM	----	31 1/2"	----	----
11:13 AM	10 Min.	33 1/4"	1 3/4"	5.7 Min.
11:23 AM	10 Min.	34 1/4"	1"	10.0 Min.
11:33 AM	10 Min.	35 1/4"	1"	10.0 Min.
11:43 AM	10 Min.	36"	3/4"	13.3 Min.
11:53 AM	10 Min.	36 3/4"	3/4"	13.3 Min.
12:03 PM	10 Min.	37 1/2"	3/4"	13.3 Min.
12:13 PM	10 Min.	38 1/4"	3/4"	13.3 Min.
Single Lot:	X	Subdivision:		
Diameter of Hole:	8"	Depth of Hole:	22"	
PT-B	Design 1" / 20 Min.			
Time	Time Increment	Depth to Water	Drop in inches	Soil Percolation Rate Time to drop 1 inch
11:08 AM	----	2"	----	----
11:18 AM	10 Min.	7 1/4"	5 1/4"	1.9 Min.
11:28 AM	10 Min.	10"	2 3/4"	3.6 Min.
11:38 AM	10 Min.	11 1/2"	1 1/2"	6.7 Min.
11:48 AM	10 Min.	12 3/4"	1 1/4"	8.0 Min.
11:58 AM	10 Min.	13 3/4"	1"	10.0 Min.
12:08 PM	10 Min.	14 3/4"	1"	10.0 Min.
Single Lot:	X	Subdivision:		
Diameter of Hole:	8"	Depth of Hole:	46"	
PT-C	Design 1" / 40 Min.			
Time	Time Increment	Depth to Water	Drop in inches	Soil Percolation Rate Time to drop 1 inch
12:48 PM	----	29 1/2"	----	----
12:58 PM	10 Min.	31"	1 3/4"	5.7 Min.
1:08 PM	10 Min.	32"	1"	10.0 Min.
1:18 PM	10 Min.	32 3/4"	3/4"	13.3 Min.
1:28 PM	10 Min.	33 1/2"	3/4"	13.3 Min.
1:38 PM	10 Min.	34"	1/2"	20.0 Min.
1:48 PM	10 Min.	34 1/4"	1/4"	40.0 Min.
Single Lot:	X	Subdivision:		
Diameter of Hole:	8"	Depth of Hole:	20"	
PT-D	Design 1" / 40 Min.			
Time	Time Increment	Depth to Water	Drop in inches	Soil Percolation Rate Time to drop 1 inch
12:40 PM	----	3"	----	----
12:50 PM	10 Min.	12 1/2"	9 1/2"	1.1 Min.
1:00 PM	10 Min.	14 1/4"	1 3/4"	5.7 Min.
1:10 PM	10 Min.	15 1/2"	1 1/4"	8.0 Min.
1:20 PM	10 Min.	16 1/4"	3/4"	13.3 Min.
1:30 PM	10 Min.	16 3/4"	1/2"	20.0 Min.
1:40 PM	10 Min.	17 1/4"	1/2"	20.0 Min.



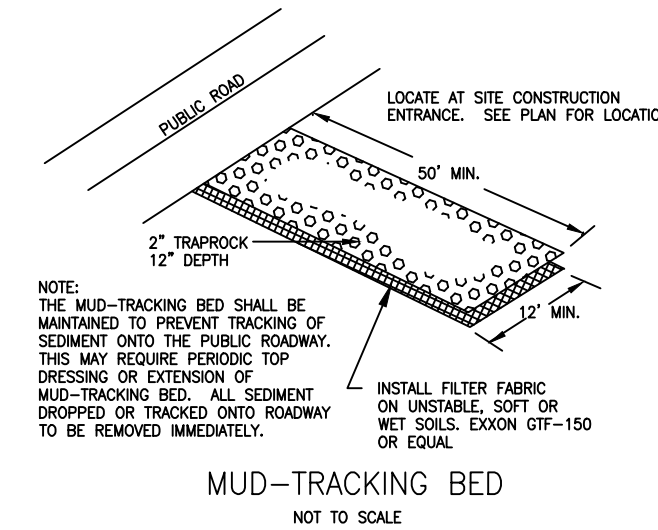
CULTEC RECHARGER 330XLHD
TYPICAL CROSS SECTION



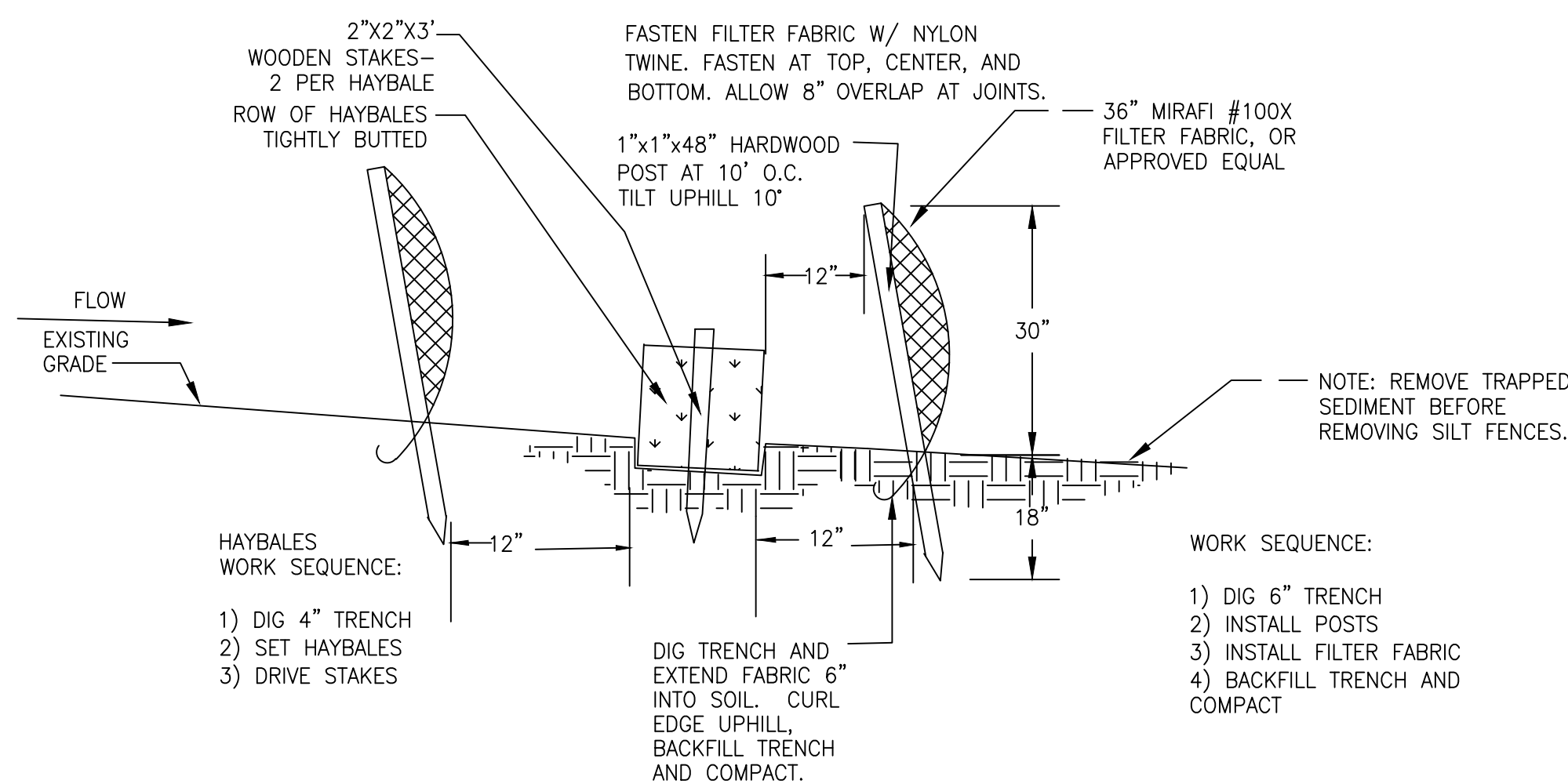
DRIVEWAY PAVEMENT
NOT TO SCALE



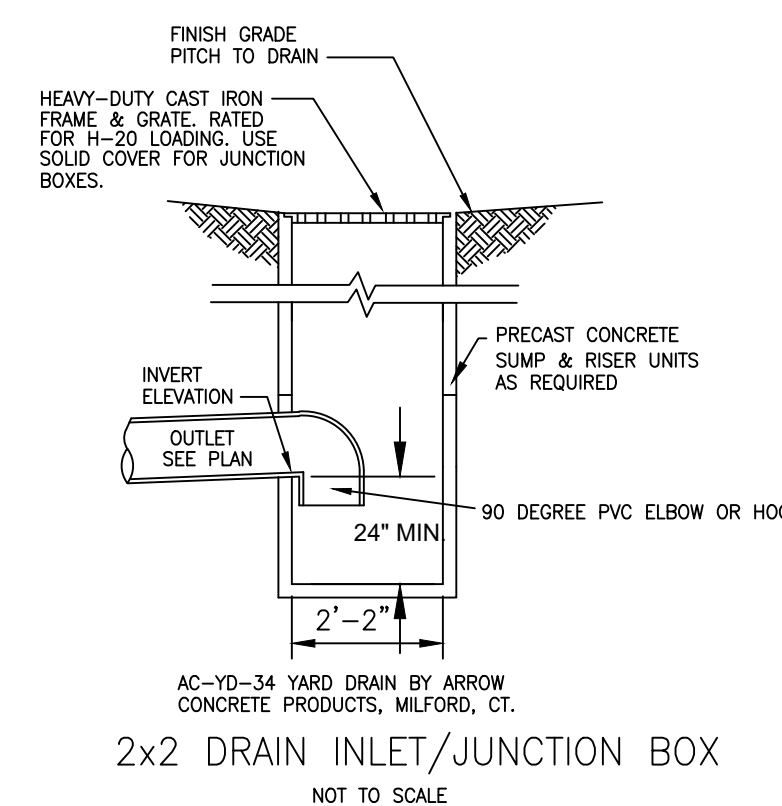
CULTEC INSPECTION PORT AND OVERFLOW



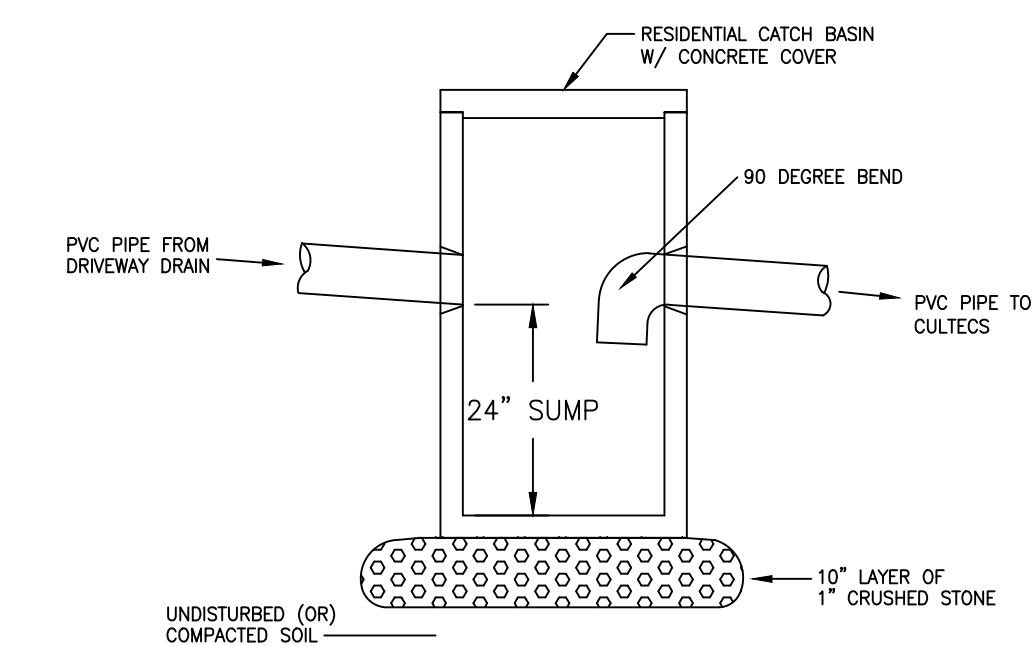
MUD-TRACKING BED
NOT TO SCALE



DOUBLE SILT FENCE W/HAYBALES
NOT TO SCALE



2x2 DRAIN INLET/JUNCTION BOX
NOT TO SCALE



COARSE PARTICLE SEPARATOR
NOT TO SCALE



REV. 4/12/22: PER CONSERVATION COMMENTS.

LOWELL BAKER

18 GREY FOX LANE WESTON, CONNECTICUT

DETAIL SHEET

CIVIL ENGINEERS

1975
project

FAIRFIELD COUNTY ENGINEERING L.L.C.

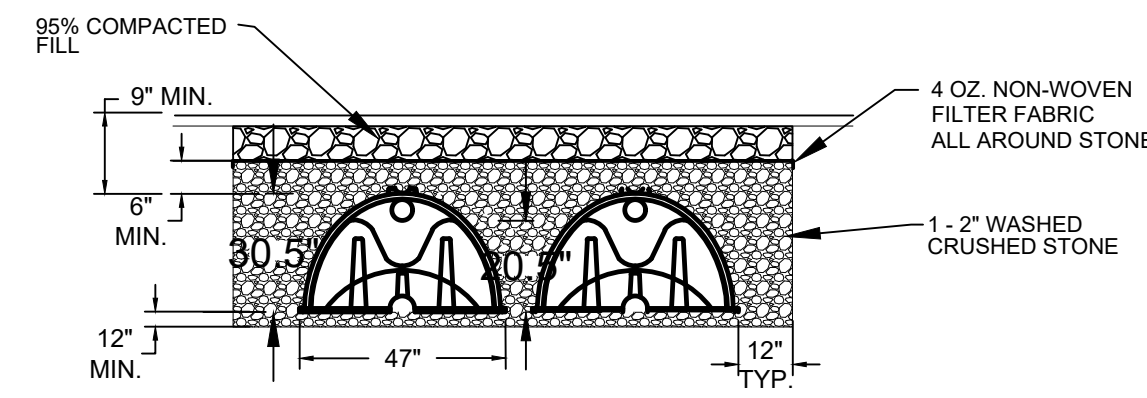
2 OF 2
sheet

60 WINFIELD STREET, NORWALK, CONNECTICUT 06855 PH: (203) 831-8005 FAX: (203) 831-8006

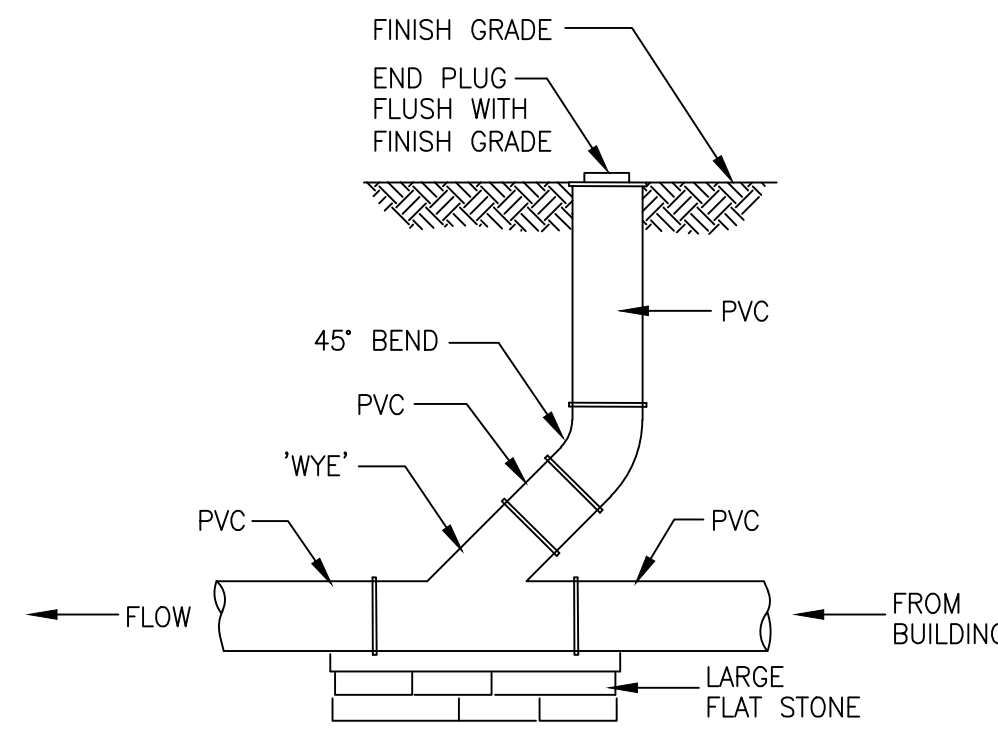
FCE Project #	1342	Date Performed:	9/19/2015
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FCE Project #	1342	Date Performed:	9/26/2017
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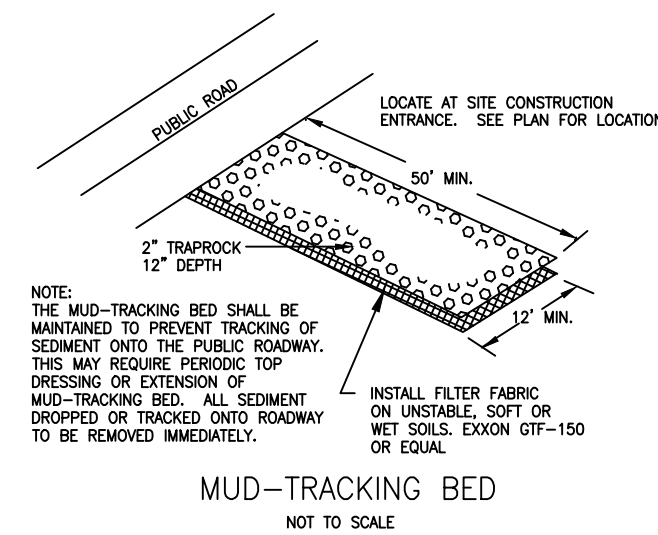
Conducted by:	Others	Project:	1342	
Location:	18-22 Grey Fox Lane	Town:	Weston	
Client:	BPC Green Builders	Date:	12/15/2015	
Weather conditions prior to and during tests:	Unknown			
Single Lot:	X	Subdivision:		
Diameter of Hole:	8"	Depth of Hole:	55"	
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12:03 PM	10 Min.	37 1/2"	3/4"	13.3 Min.
12:13 PM	10 Min.	38 1/4"	3/4"	13.3 Min.
Single Lot:	X	Subdivision:		
Diameter of Hole:	8"	Depth of Hole:	22"	
PT-B	Design 1" / 20 Min.			
Time	Time Increment	Depth to Water	Drop in inches	Soil Percolation Rate Time to drop 1 inch
11:08 AM	---	2"	---	---
11:18 AM	10 Min.	7 1/4"	5 1/4"	1.9 Min.
11:28 AM	10 Min.	10"	2 3/4"	3.6 Min.
11:38 AM	10 Min.	11 1/2"	1 1/2"	6.7 Min.
11:48 AM	10 Min.	12 3/4"	1 1/4"	8.0 Min.
11:58 AM	10 Min.	13 3/4"	1"	10.0 Min.
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Single Lot:	X	Subdivision:		
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Time	Time Increment	Depth to Water	Drop in inches	Soil Percolation Rate Time to drop 1 inch
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1:18 PM	10 Min.	32 3/4"	3/4"	13.3 Min.
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Single Lot:	X	Subdivision:		
Diameter of Hole:	8"	Depth of Hole:	20"	
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1:10 PM	10 Min.	15 1/2"	1 1/4"	8.0 Min.
1:20 PM	10 Min.	16 1/4"	3/4"	13.3 Min.
1:30 PM	10 Min.	16 3/4"	1/2"	20.0 Min.
1:40 PM	10 Min.	17 1/4"	1/2"	20.0 Min.



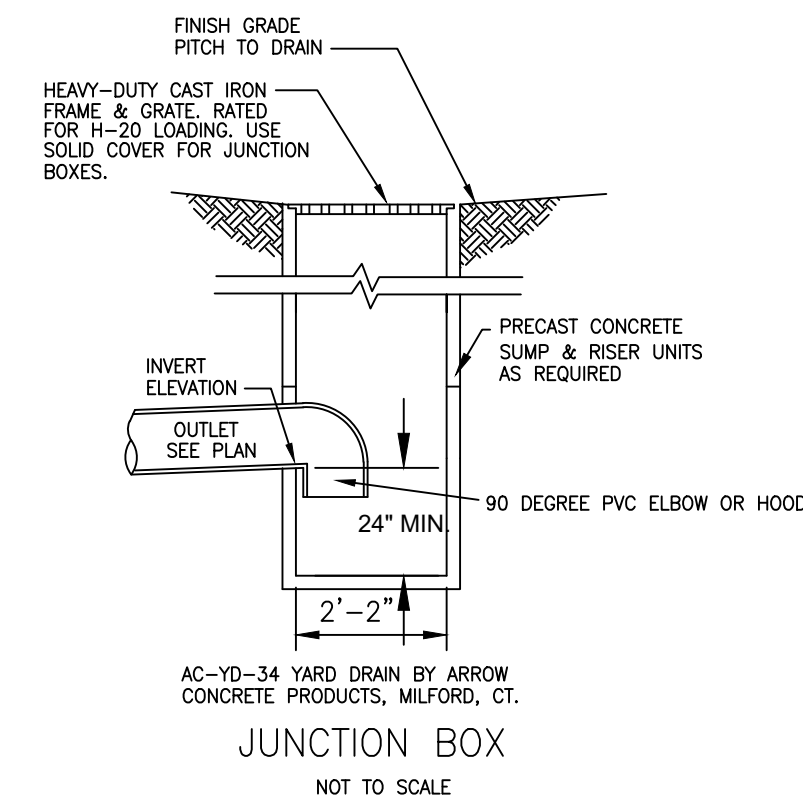
CULTEC RECHARGER 330XLHD TYPICAL CROSS SECTION



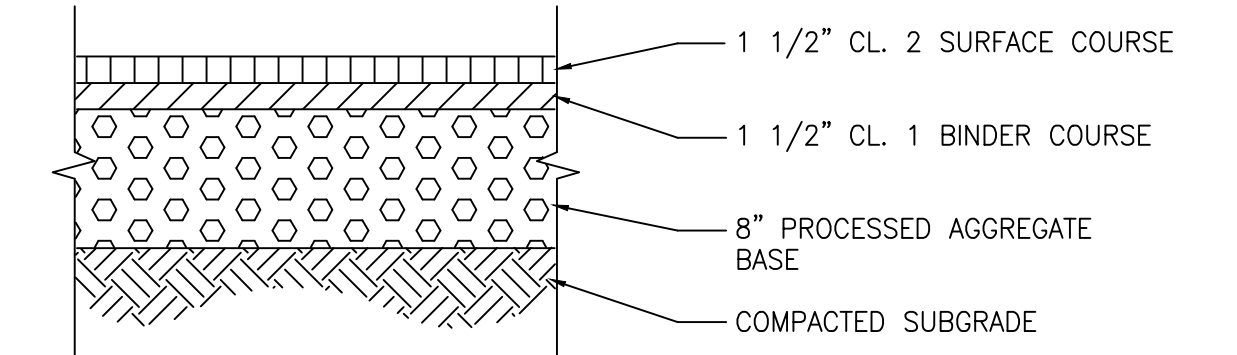
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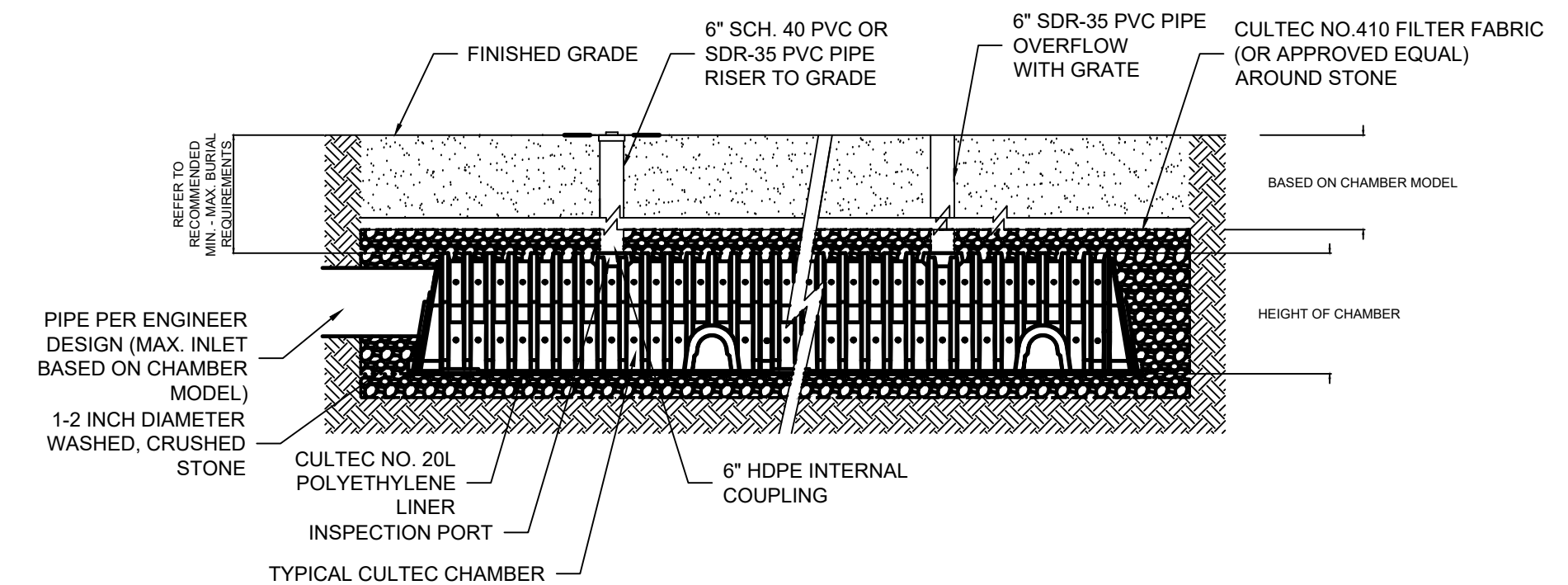
MUD-TRACKING BED NOT TO SCALE



JUNCTION BOX NOT TO SCALE



DRIVEWAY PAVEMENT NOT TO SCALE

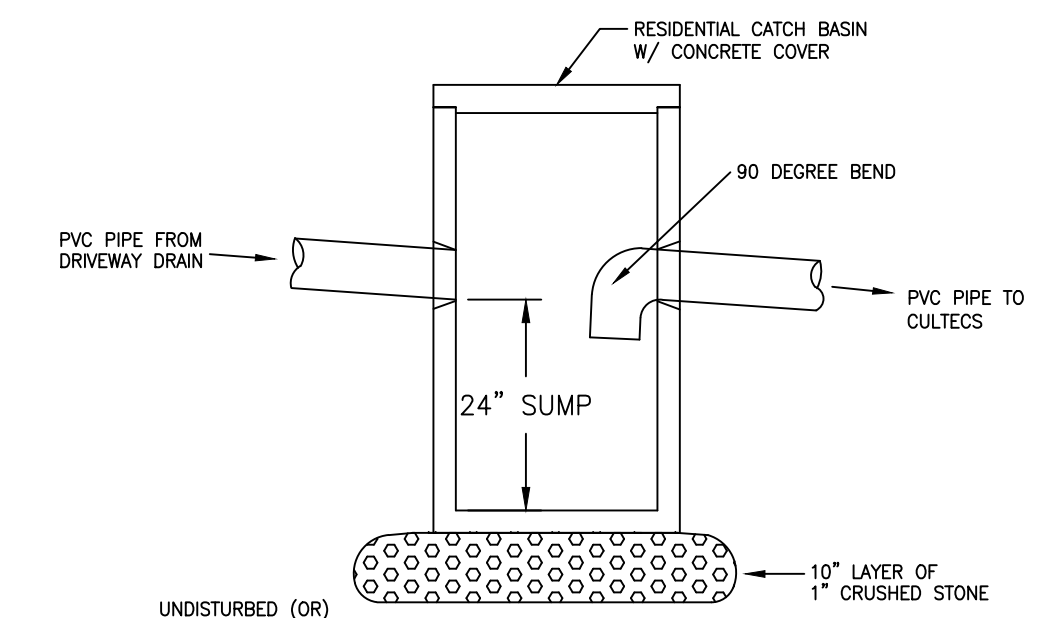


TYPICAL CULTEC CHAMBER

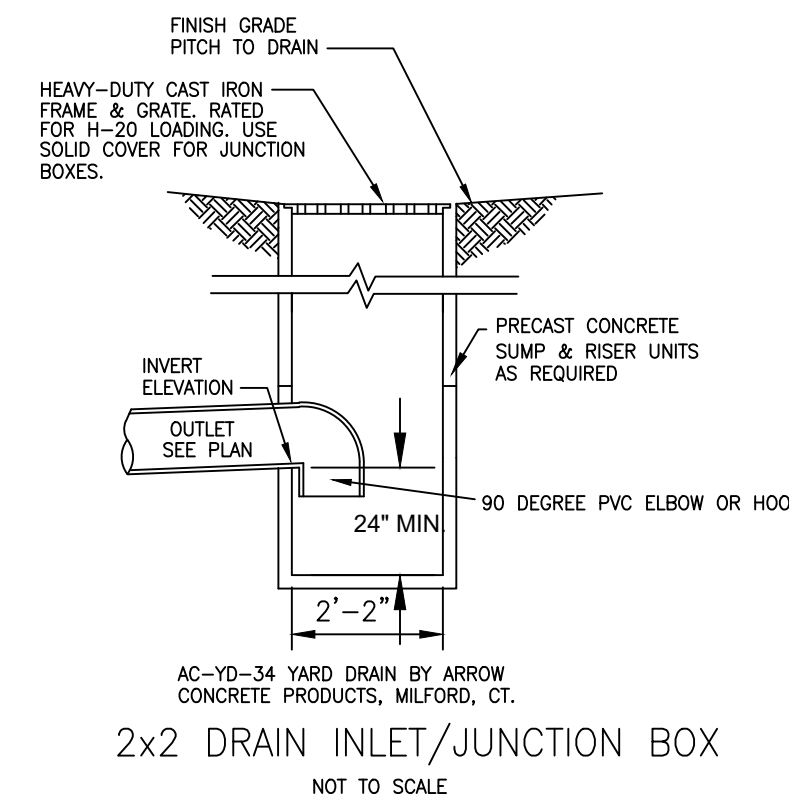
NUMBER OF UNITS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.

CULTEC INSPECTION PORT AND OVERFLOW

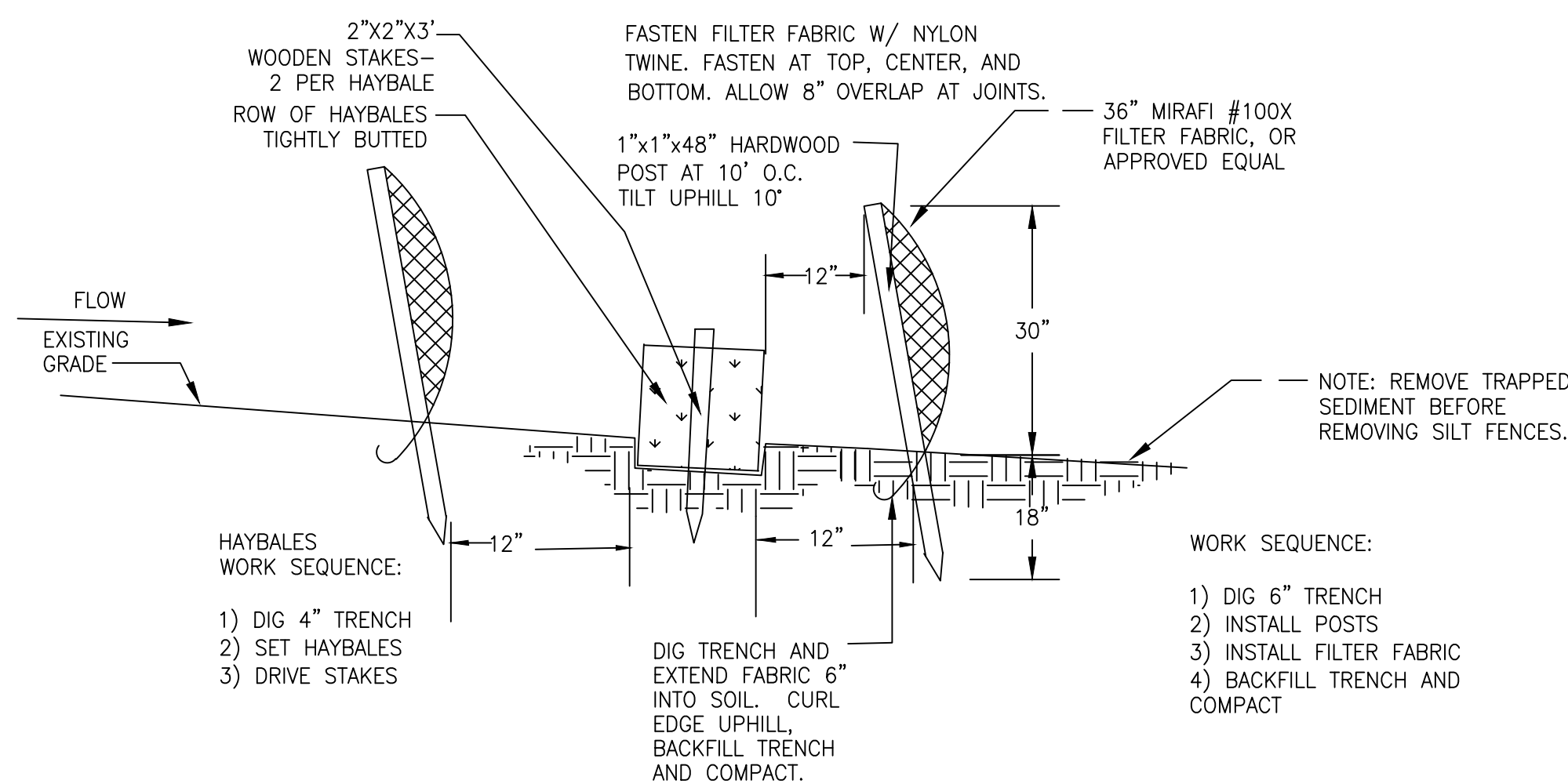
STAKES--



COARSE PARTICLE SEPARATOR NOT TO SCALE



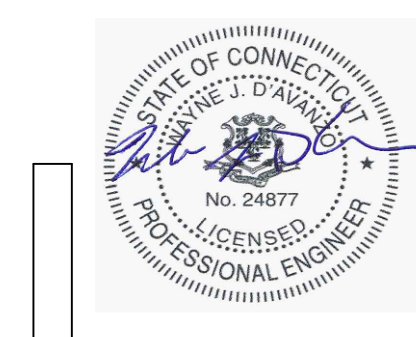
2x2 DRAIN INLET/JUNCTION BOX NOT TO SCALE



DOUBLE SILT FENCE W/HAYBALES NOT TO SCALE

WORK SEQUENCE:

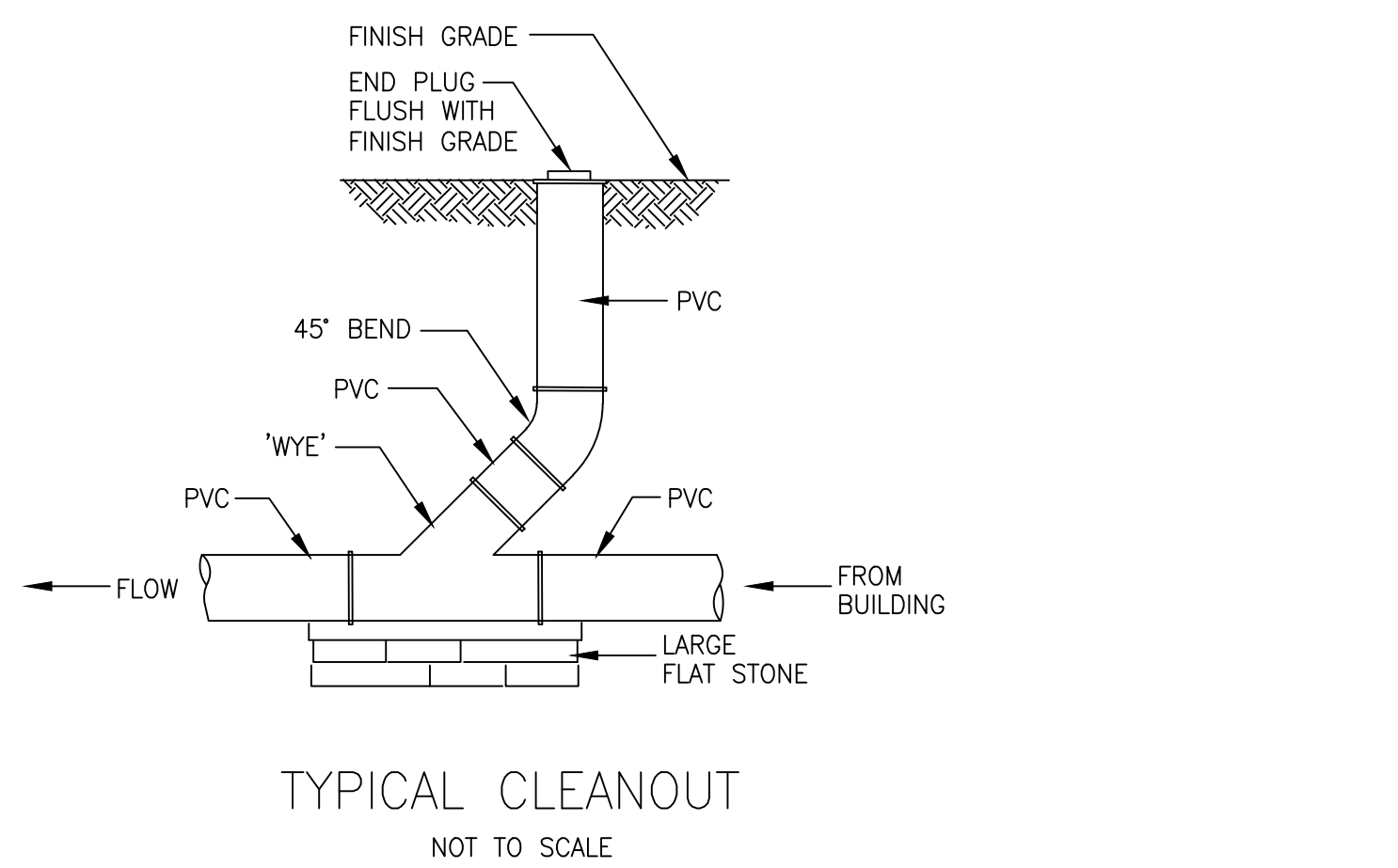
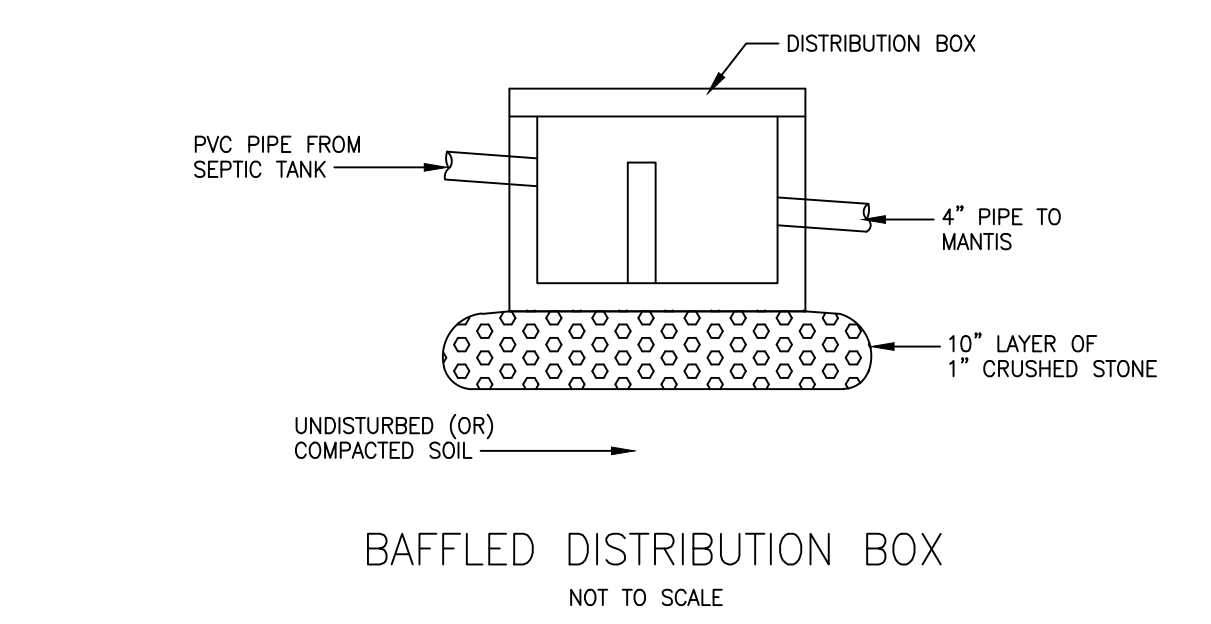
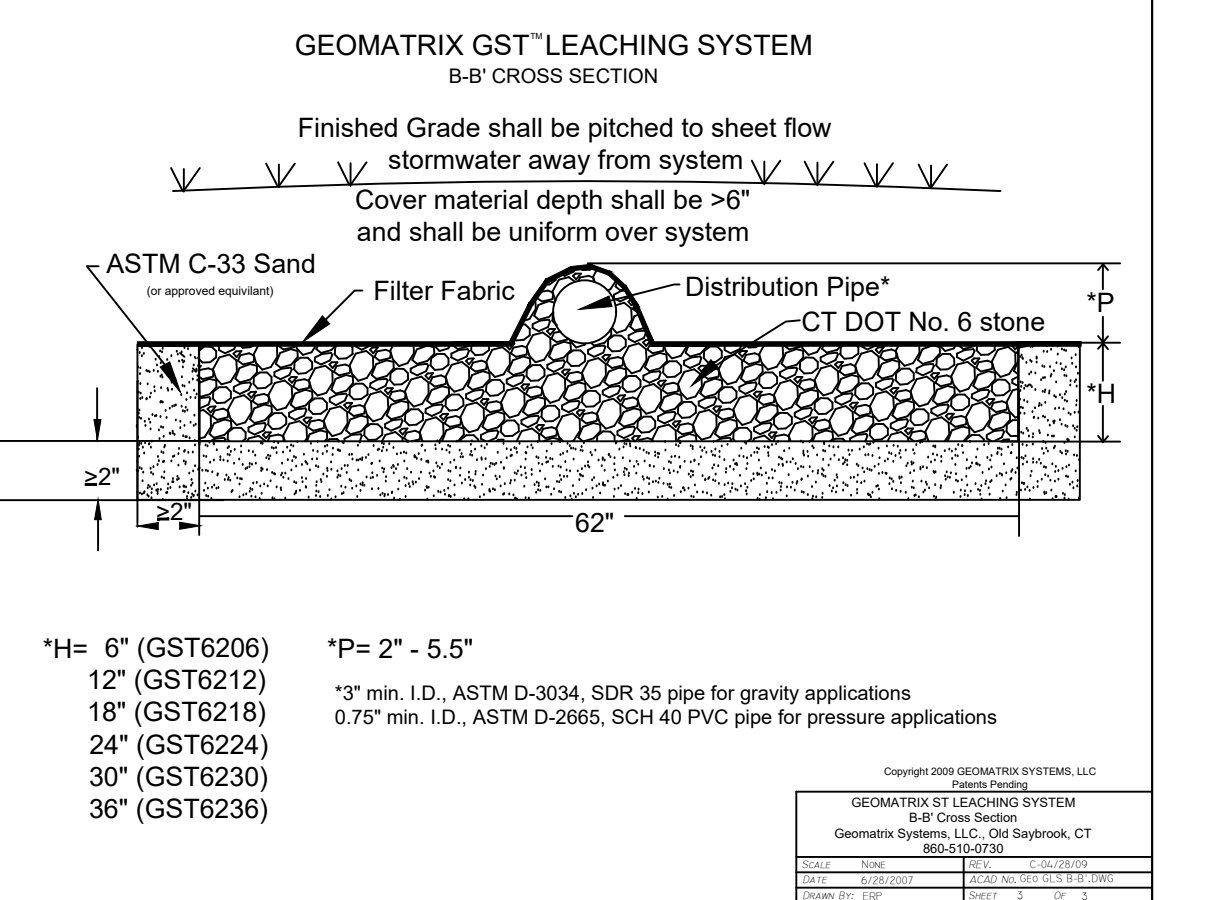
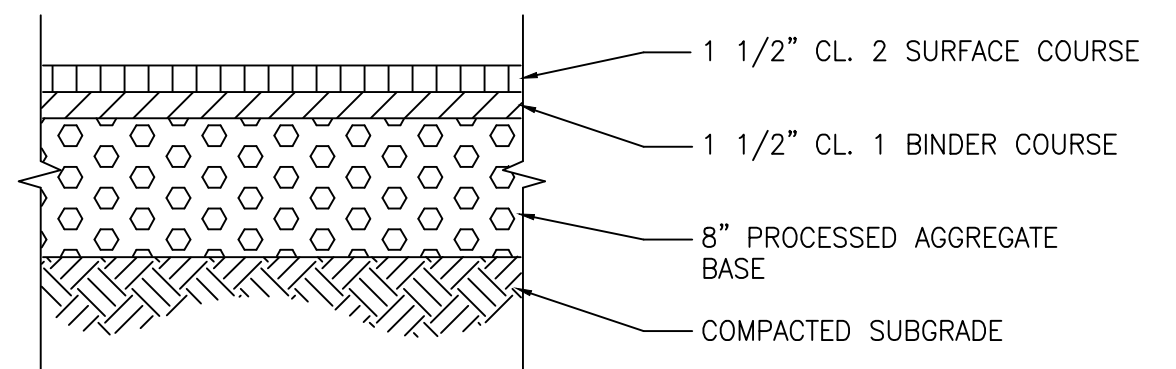
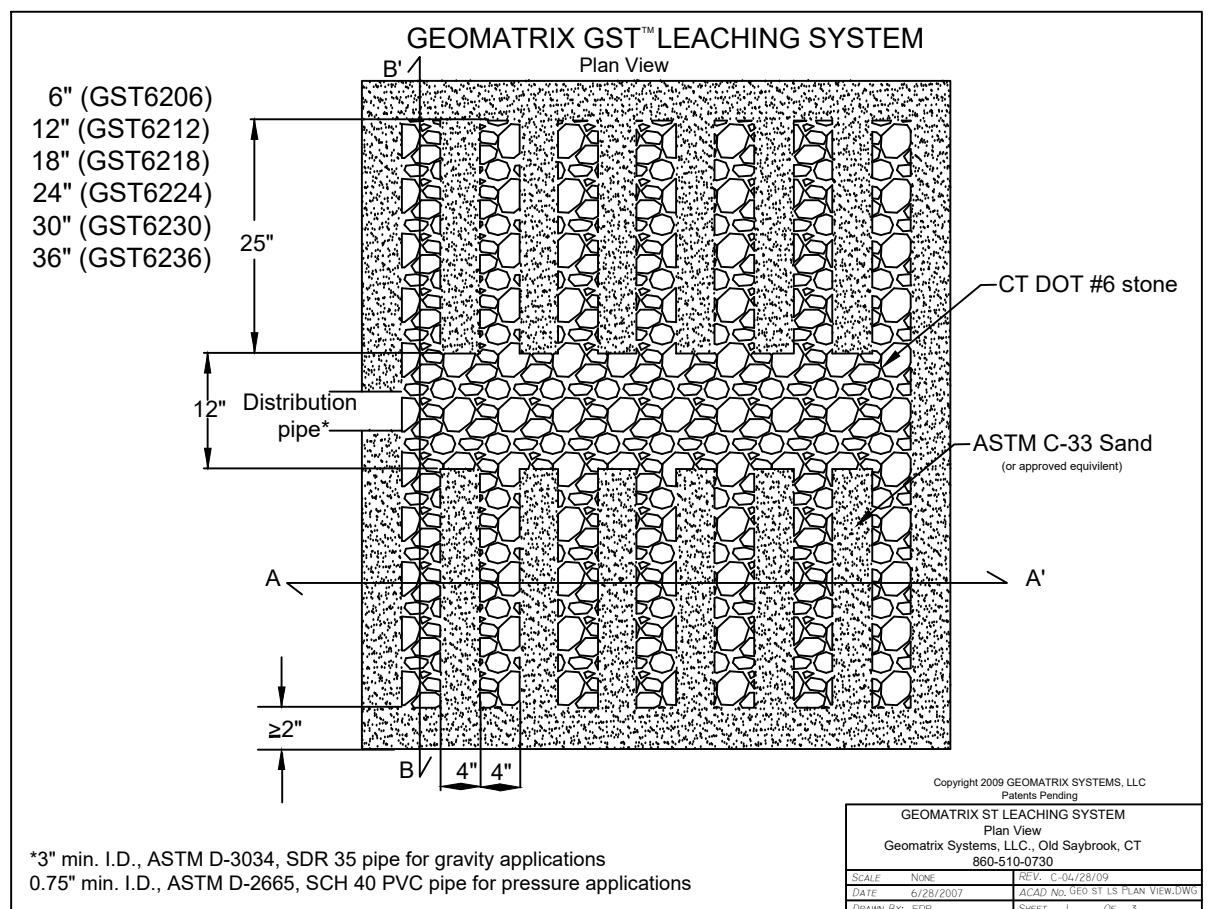
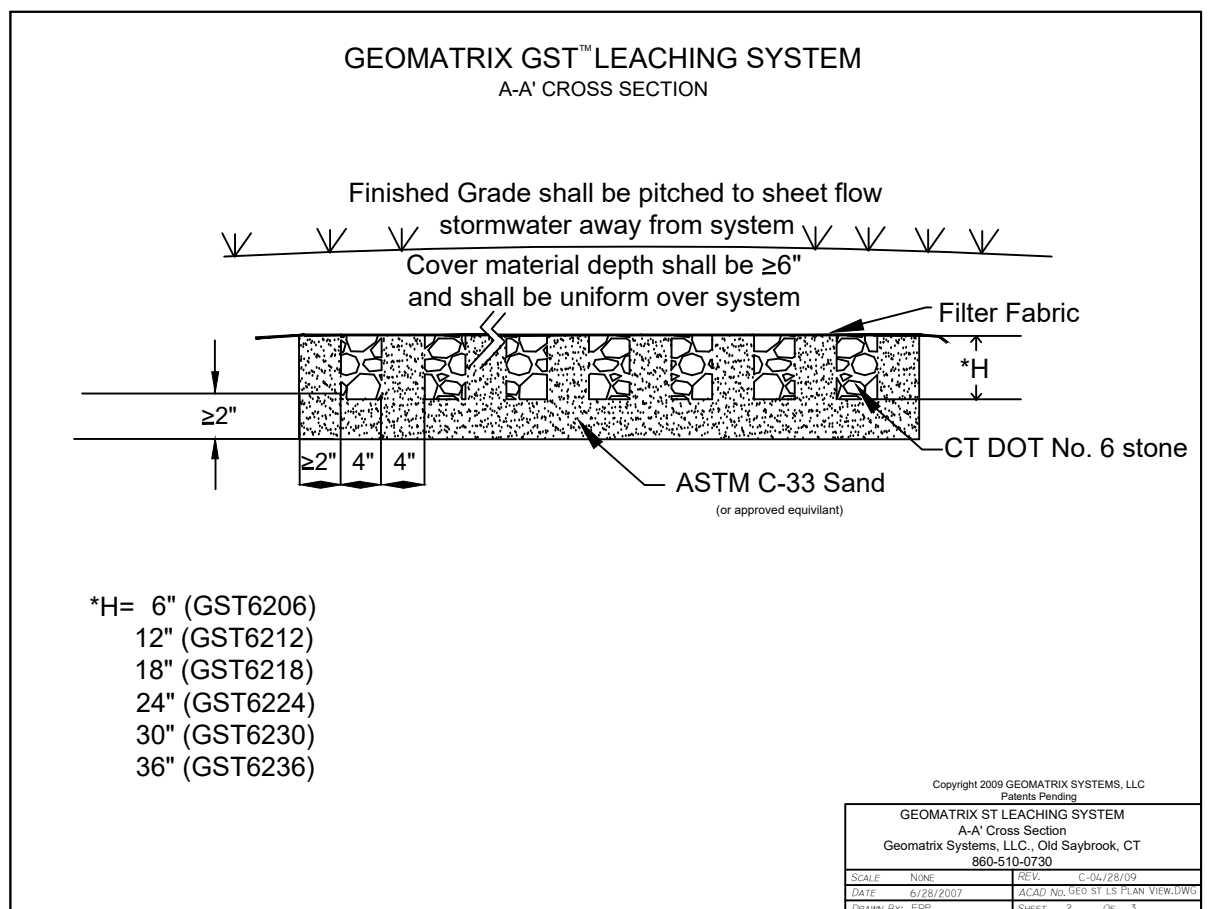
- 1) DIG 6" TRENCH
- 2) INSTALL POSTS
- 3) INSTALL FILTER FABRIC
- 4) BACKFILL TRENCH AND COMPACT



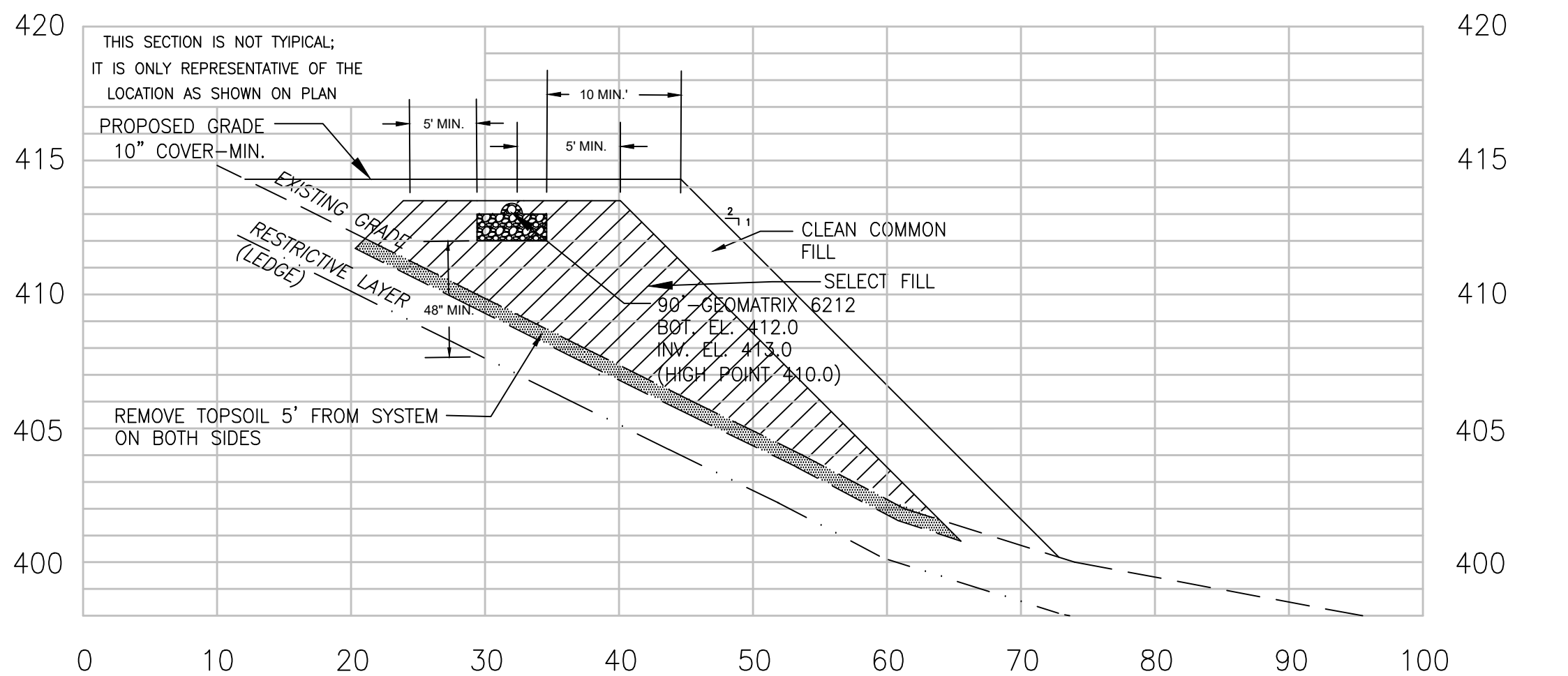
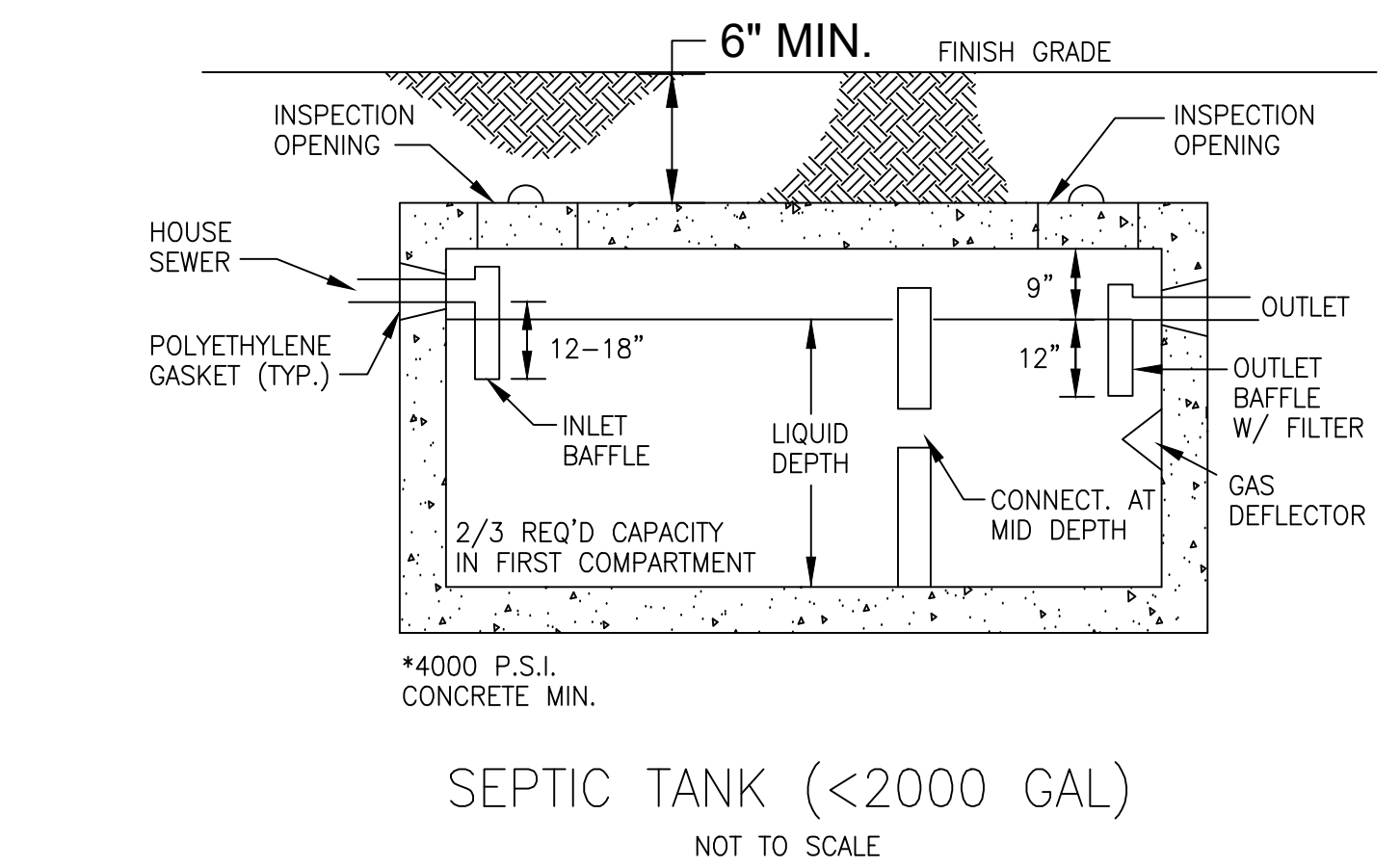
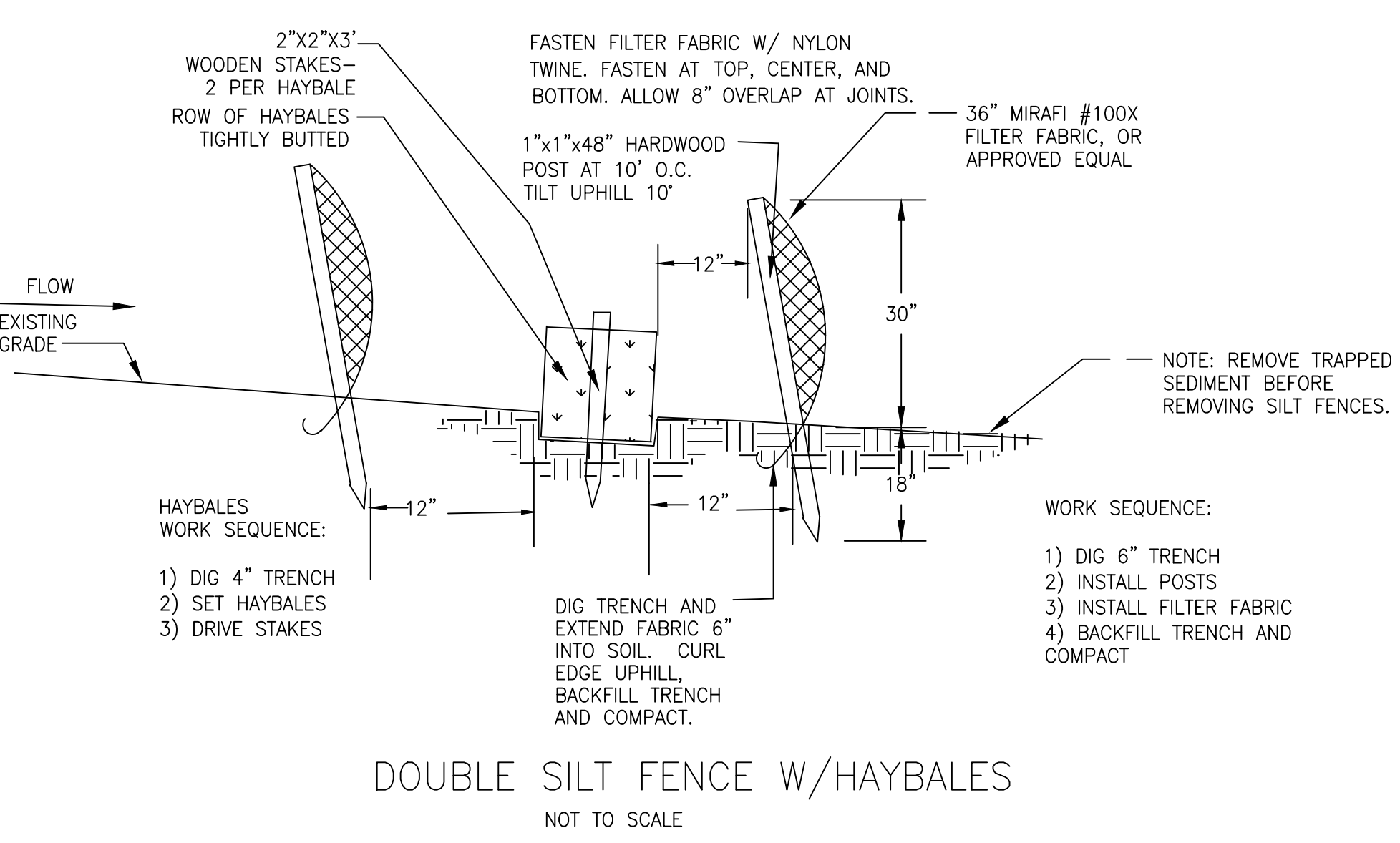
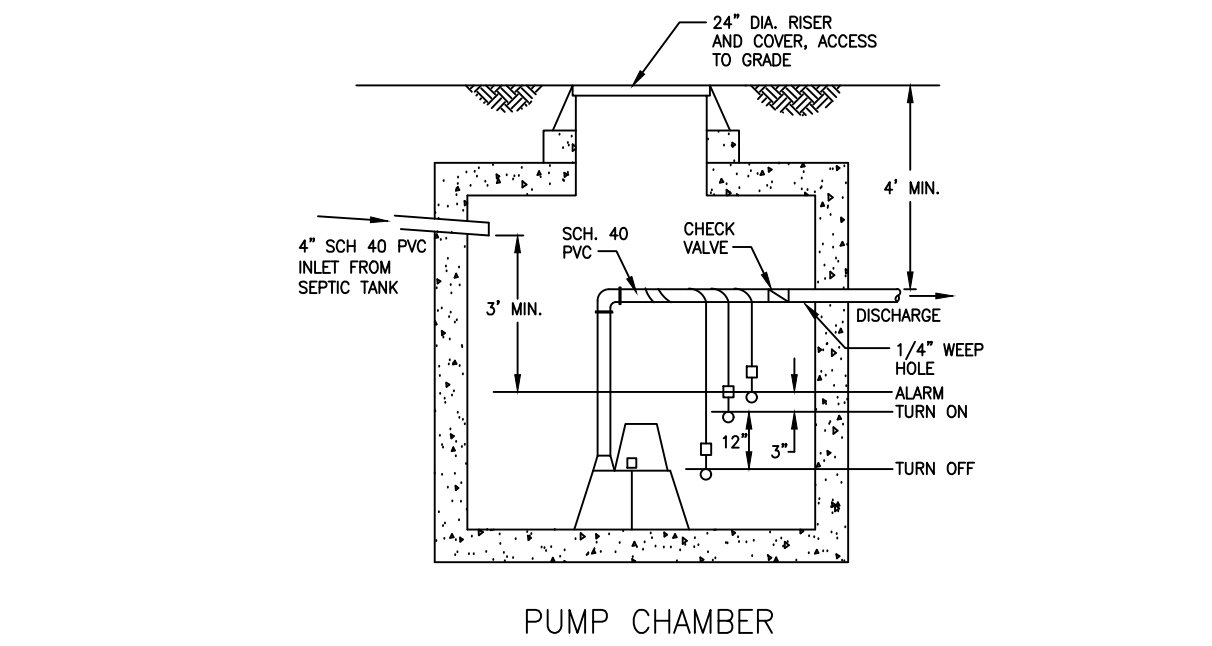
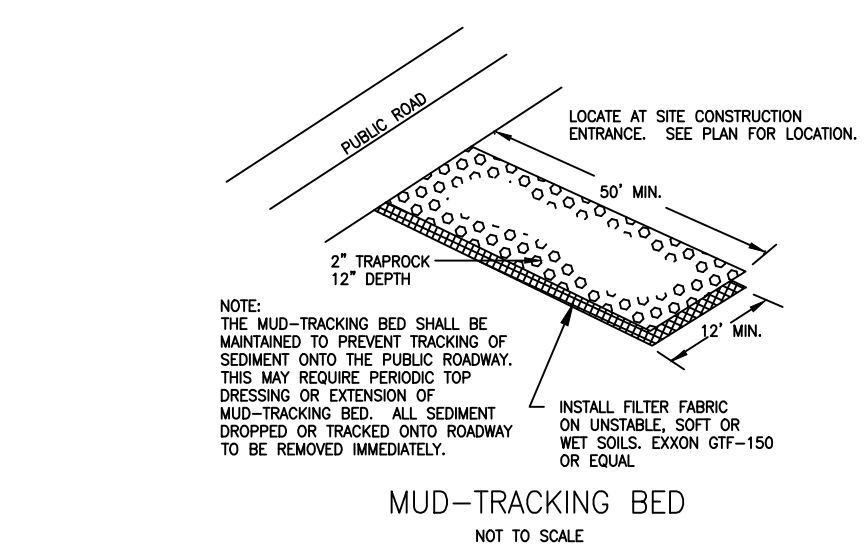
LOWELL BAKER	
18 GREY FOX LANE WESTON, CONNECTICUT	
DETAIL SHEET	
CIVIL ENGINEERS	1975 project
FAIRFIELD COUNTY ENGINEERING L.L.C.	
60 WINFIELD STREET, NORWALK, CONNECTICUT 06855 PH: (203) 831-8005 FAX: (203) 831-8006	

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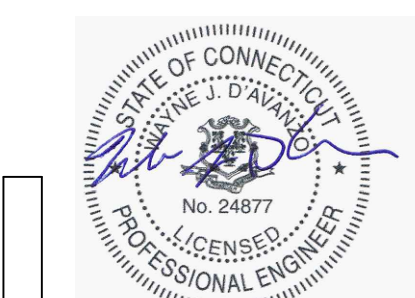
Conducted by:	Others	Project:	1342
Location:	18-22 Grey Fox Lane	Town:	Weston
Client:	BPC Green Builders	Date:	12/15/2015
Weather conditions prior to and during tests:	Unknown		
Single Lot:	X	Subdivision:	
Diameter of Hole:	8"	Depth of Hole:	55"
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Time	Time Increment	Depth to Water	Drop in inches
11:03 AM		31 1/2"	1"
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11:08 AM		2"	2"
11:18 AM	10 Min.	7 1/4"	5 1/4"
11:28 AM	10 Min.	10"	2 3/4"
11:38 AM	10 Min.	11 1/2"	1 1/2"
11:48 AM	10 Min.	12 3/4"	1 1/4"
11:58 AM	10 Min.	13 3/4"	1"
12:08 PM	10 Min.	14 3/4"	1"
Single Lot:	X	Subdivision:	
Diameter of Hole:	8"	Depth of Hole:	46"
PT-C	Design 1 1/40 Min.		
Time	Time Increment	Depth to Water	Drop in inches
12:48 PM		29 1/2"	1 3/4"
12:58 PM	10 Min.	31"	1 3/4"
1:08 PM	10 Min.	32"	1"
1:18 PM	10 Min.	32 3/4"	3/4"
1:28 PM	10 Min.	33 1/2"	3/4"
1:38 PM	10 Min.	34"	1/2"
1:48 PM	10 Min.	34 1/4"	1/4"
Single Lot:	X	Subdivision:	
Diameter of Hole:	8"	Depth of Hole:	20"
PT-D	Design 1 1/40 Min.		
Time	Time Increment	Depth to Water	Drop in inches
12:40 PM		9"	3"
12:50 PM	10 Min.	12 1/2"	9 1/2"
1:00 PM	10 Min.	14 1/4"	1 3/4"
1:10 PM	10 Min.	15 1/2"	1 1/4"
1:20 PM	10 Min.	16 1/4"	3/4"
1:30 PM	10 Min.	16 3/4"	1/2"
1:40 PM	10 Min.	17 1/4"	1/2"



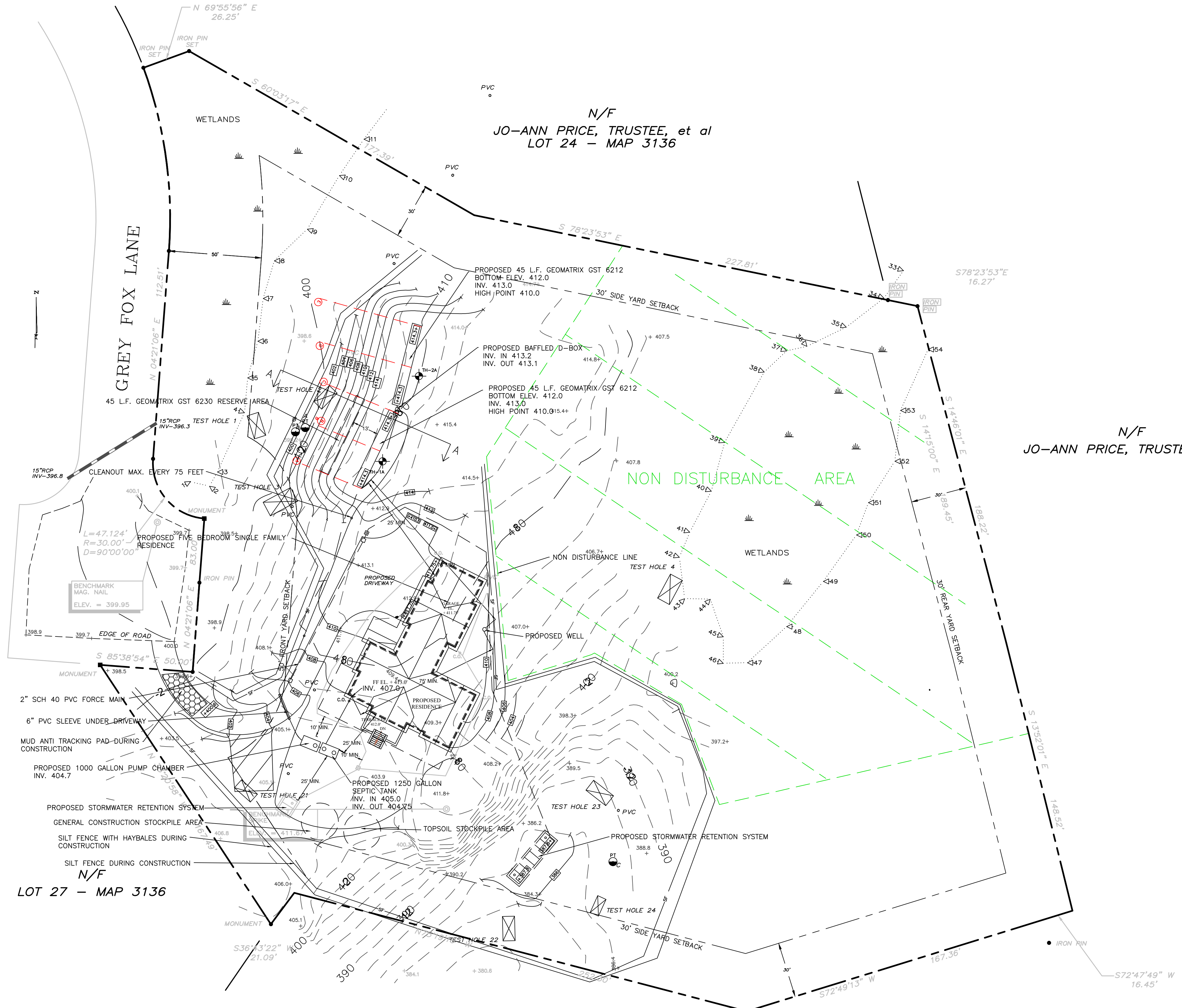
FCE Project #	1342	Date Performed:	9/26/2017
Client:	BPC Green Builders		
Location:	18-22 Grey Fox Lane, Weston		
Observed by:	Wayne D'Avanzo		
Test Hole 1A:	0-5" Topsoil 5-28" Light Brown Gravel with some Silt No Ground Water No Mottling Ledge @ 28" Roots to 28"		
Test Hole 2A:	0-5" Topsoil 5-24" Light Brown Gravel with some Silt No Ground Water No Mottling Ledge @ 24" Roots to 24"		



SLOPE CALCULATIONS	
SLOPE LINE A: 9.3'/34.7'	26.8% 409.3 to 400.0
SLOPE LINE B: 8.2'/35.6'	23.0% 408.2 to 400.0
SLOPE LINE C: 9.3'/41.4'	22.4% 409.3 to 400.0
SLOPE LINE D: 8.1'/48.6'	16.6% 408.1 to 400.0
SLOPE LINE E: 9.5'/57.0'	16.6% 409.5 to 400.0
AVG. SLOPE 21.08%	

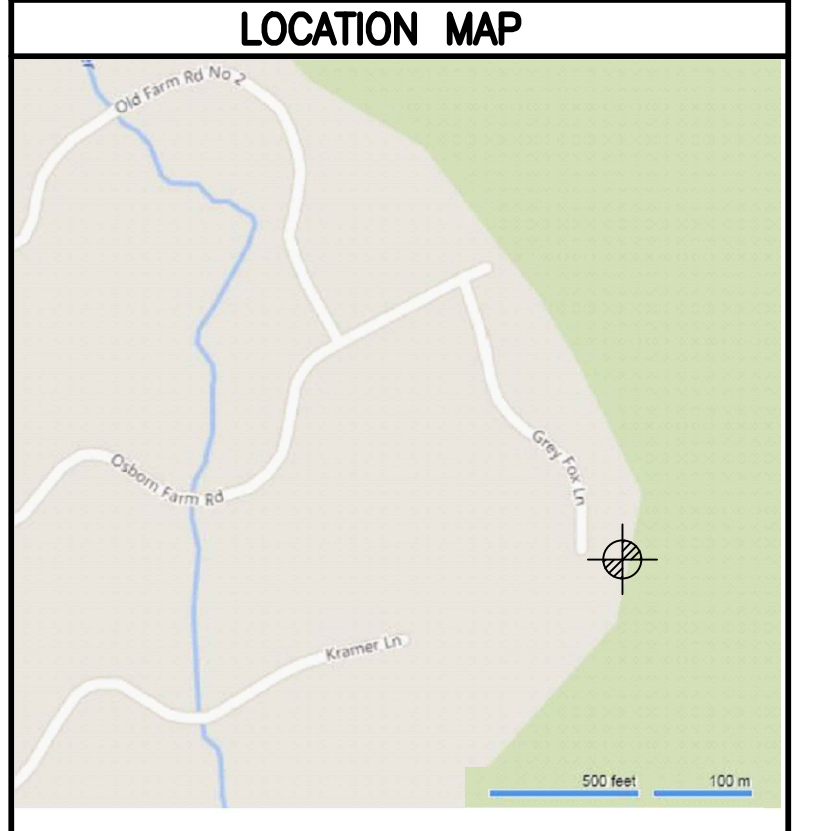


LOWELL BAKER	
18 GREY FOX LANE WESTON, CONNECTICUT	
DETAIL SHEET	
3-24-22 date	1975 project
CIVIL ENGINEERS	
FAIRFIELD COUNTY ENGINEERING L.L.C.	
60 WINFIELD STREET, NORWALK, CONNECTICUT 06855 PH: (203) 831-8005 FAX: (203) 831-8006	
2 OF 2 sheet	



SEWAGE DISPOSAL SYSTEM NOTES

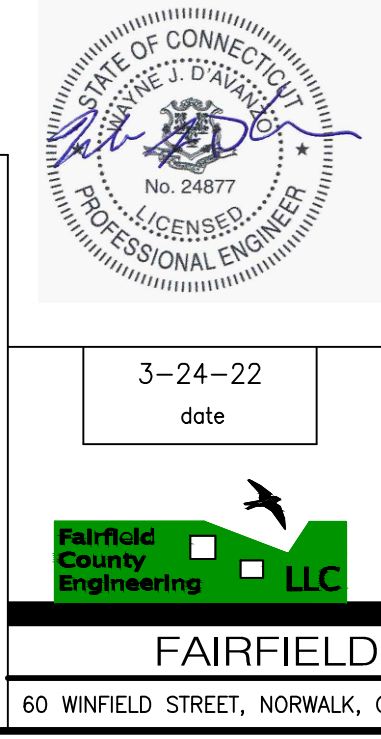
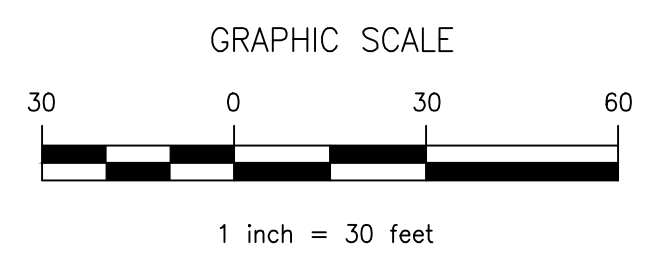
1. THE PROPOSED SEWAGE DISPOSAL SYSTEM SHALL CONFORM TO SECTIONS 19-13-B103d THROUGH 19-13-B104d OF THE CONNECTICUT STATE HEALTH CODE.
2. THE WESTPORT/WESTON HEALTH DISTRICT AND THE ENGINEER OF RECORD SHALL BE NOTIFIED THREE DAYS PRIOR TO COMMENCEMENT OF EACH PHASE OF CONSTRUCTION.
3. NO CERTIFICATE OF CONFORMANCE TO STANDARDS SHALL BE ISSUED BY THE DESIGN ENGINEER IF PROPER NOTICE IS NOT PROVIDED FOR INSPECTIONS OR IF INSPECTIONS ARE NOT MADE PRIOR TO BACKFILLING OF BELOW GROUND STRUCTURES AND APPURTENANCES.
4. ALL EXISTING SITE AND UTILITY LOCATIONS ARE AS TAKEN FROM A MAP TITLED "TOPOGRAPHIC SURVEY PREPARED FOR BPC GREEN BUILDERS", BY PAUL A. BRAUTIGAM, DATED JUNE 8, 2017.
5. THE PROPOSED STRUCTURE IS A FIVE BEDROOM RESIDENCE. THE REQUIRED EFFECTIVE LEACHING AREA FOR THIS HOUSE, WHICH IS BASED UPON AN OBSERVED PERCOLATION RATE OF 1"/20 MIN., IS 900.0 SF.
6. THE PROPOSED LEACHING AREA CONSISTS OF 90 LINEAR FEET OF GEOMATRIX GST 6212, WHICH WILL PROVIDE 900.0 S.F. OF EFFECTIVE LEACHING AREA, (90 x 10.0 = 900.0).
7. THE PROPOSED 1250 GALLON SEPTIC TANK SHALL CONFORM TO THE SPECIFICATIONS OUTLINED IN THE STATE OF CONNECTICUT TECHNICAL STANDARDS.
8. A RESERVE SYSTEM CONSISTING OF 45 L.F. OF GEOMATRIX 6230 IS SHOWN ON THE PLAN.
9. NO WELL WILL BE WITHIN 75 FEET OF THE PROPOSED SEPTIC SYSTEM.
10. A BENCHMARK SHALL BE ESTABLISHED IN THE FIELD BY A SURVEYOR.
11. ALL BERM MATERIAL SHALL BE FREE OF LARGE STONE, LOGS, OR OTHER DEBRIS THAT MAY CREATE LARGE VOIDS. IT SHALL CONSIST OF COMPACTED NATIVE LOAMY SOIL WITH A MAXIMUM PERCOLATION RATE OF 1"/15 MINUTES.
12. ALL FILL SHALL BE PLACED ON THE PERIMETER OF THE PROPOSED LEACHING SYSTEM AND CAREFULLY PLACED BY THE CONTRACTOR IN LIFTS OF 1' MAXIMUM USING A SMALL CRAWLER, TRACTOR OR OTHER APPROVED MACHINERY.
13. DISTRIBUTION BOXES SHALL BE ON STABLE FOOTING, CONSISTING OF 10" CRUSHED STONE.
14. ALL LOCATIONS OF INLETS AND OUTLETS FROM THE SEPTIC TANK AND DISTRIBUTION BOXES SHALL BE GASKETED.
15. ALL SELECT FILL MATERIAL MUST MEET THE REQUIREMENTS SPECIFIED IN SECTION VIII A OF THE STATE OF CONNECTICUT PUBLIC HEALTH CODE TECHNICAL STANDARDS. A SIEVE ANALYSIS MUST BE SUBMITTED AND APPROVED BY THE ENGINEER PRIOR TO THE INSTALLATION.
16. ALL SELECT FILL SHALL HAVE FEWER THAN 2.5% OF THE FINES PASSING THE #200 SIEVE, FEWER THAN 5% OF THE FINES PASSING #100 SIEVE, AND SHALL ACHIEVE AN AVERAGE PERCOLATION RATE OF 1"/5 MINUTES, AFTER BEING PLACED. ALL FILL SHALL BE PLACED IN LIFTS OF 1' MAXIMUM.
17. THE CONTRACTOR SHALL PROVIDE A REPRESENTATIVE SAMPLE OF ALL FILL MATERIAL TO THE ENGINEER OF RECORD FOR INSPECTION AND SIEVE ANALYSIS AT THE CONTRACTOR'S EXPENSE, PRIOR TO PLACEMENT. IT MAY BE ALSO NECESSARY FOR THE INSTALLER TO PROVIDE A SAMPLE OF THE SOIL TO THE LOCAL HEALTH DEPARTMENT.
18. THE SELECT FILL SHALL BE HARROWED INTO EXISTING SOIL, PAST THE TOPSOIL LAYER.
19. THE PUMP SHALL BE LIBERTY 280 SERIES OR EQUAL.
20. THE PUMP SHALL BE EQUIPPED WITH A FLOAT SWITCH SET SO THAT THE PUMP DISCHARGES 300 GALLON PER CYCLE. ELECTRICAL HOOKUP TO THE ALARM SHALL BE PLACED IN A MINIMUM 4" BY 4" WEATHER TIGHT BOX SET A MINIMUM OF 12" ABOVE FINISHED GRADE IN A PROTECTED LOCATION. A SERVICE DISCONNECT SHALL BE PLACED WITHIN VIEW SERVICE DISCONNECT SHALL BE PLACED WITHIN VIEW OF THE PUMP CHAMBER.
21. THE PUMP SHALL BE EQUIPPED WITH A WARNING SYSTEM THAT SHALL BE VISIBLE AND AUDIBLE TO THE HOMEOWNER.
22. THE PUMP TESTING SHALL BE WITNESSED BY THE DESIGN ENGINEER AND THE WESTPORT/WESTON HEALTH DISTRICT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM THE ENGINEER AND THE HEALTH DEPARTMENT WHEN THE SYSTEM IS READY FOR TESTING.
23. THE PROPOSED PUMP CHAMBER SHALL BE A 1000 GALLON SEPTIC TANK WITH ACCESS MANHOLE TO GRADE AS MANUFACTURED BY ARROW CONCRETE PRODUCTS, INC. (CATALOG NO. ST1000), OR EQUAL. THE PROPOSED PUMP CHAMBER SHALL HAVE A MINIMUM RESERVE CAPACITY OF 600 GALLONS.
24. THE PUMP CHAMBER AND SEPTIC TANK SHALL BE WATER-TIGHT AND BE SO CERTIFIED BY THE MANUFACTURER.
25. THE CONTRACTOR SHALL MORTAR ALL INLETS AND OUTLETS FROM SEPTIC TANK AND PUMP CHAMBER ONCE PIPES HAVE BEEN INSTALLED.
26. THE CONTRACTOR SHALL REMOVE ALL TREES, STUMPS, AND LARGE STONES WITHIN LIMITS OF THE SEWAGE DISPOSAL SYSTEM.
27. THE CONTRACTOR SHALL STRIP AND STOCKPILE TOPSOIL OUTSIDE THE LIMITS OF SEWAGE DISPOSAL SYSTEM AND REUSE IT TO FINISH GRADE THE AREA OF DISTURBANCE. ADDITIONAL TOPSOIL, IF REQUIRED TO COVER DISTURBED AREAS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
28. THE CONTRACTOR SHALL TOPSOIL, FINE RAKE, SEED AND MULCH ALL AREAS DISTURBED BY CONSTRUCTION.
29. WHERE POSSIBLE THE CONTRACTOR SHALL SAVE EXISTING TREES IN AND AROUND THE AREA OF THE PROPOSED SEWAGE DISPOSAL SYSTEM BY WHATEVER MEANS HE DEEMS PRUDENT. NO TREES ARE TO BE REMOVED WITHOUT THE AUTHORIZATION OF THE OWNER.
30. ALL UTILITY LOCATIONS ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THE LOCATION OF THE UTILITIES IN THE FIELD BY WHATEVER MEANS HE DEEMS PRUDENT.
31. THIS SYSTEM IS NOT DESIGNED TO ACCEPT WASTE FROM GARBAGE DISPOSAL UNITS, BACKWASH FROM WATER SOFTENER UNITS OR DISCHARGE FROM JACUZZI TYPE HOT TUBS (> 100 GALLONS).
32. THIS SYSTEM IS NOT DESIGNED TO ACCOMMODATE ANY FIXTURE FROM LEVELS LOWER THAN THE FIRST FLOOR. USE OF EJECTOR PUMP IS ASSUMED.
33. CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING "CALL BEFORE YOU DIG", 1-800-922-4455, PRIOR TO START OF ANY EXCAVATION WORK ON SITE, TO LOCATE ALL UNDERGROUND UTILITIES ON PROPERTY AND SHOW SERVICE LINES TO BUILDING. EXCAVATIONS WITHIN 5 TO 25 FEET OF THE SEPTIC SYSTEM SHALL NOT BE BACKFILLED WITH FREE DRAINING MATERIAL.
34. THIS DESIGN CONFORMS TO APPLICABLE CODES AND ACCEPTED PRACTICE, NO OTHER WARRANTY IS EXPRESSED OR IMPLIED.
35. AN "AS BUILT" PLAN, CERTIFIED BY A PROFESSIONAL ENGINEER, SHALL BE SUBMITTED TO THE DEPARTMENT OF HEALTH BEFORE A "PERMIT TO USE" IS ISSUED.
36. A CONNECTICUT REGISTERED PROFESSIONAL ENGINEER ACCEPTABLE TO THE DIRECTOR OF HEALTH SHALL INSPECT CONSTRUCTION TO INSURE COMPLIANCE WITH THE PROPOSED PLAN.
37. THIS SYSTEM IS DESIGNED FOR A MAXIMUM DAILY WATER USE OF 750 GALLONS.
38. MLSS REQUIREMENTS:
5 BEDROOM DWELLING: FF = 2.0
PF = 1.25
RL = 26" AVG. (THIS 1-A & 2-A)
SL = 21.0%
HF = 24
MLSS = (2.0) (1.25) (24) = 60 L.F.
SPREAD PROVIDED: 90 L.F.



SEDIMENTATION AND EROSION CONTROL NOTES

1. LAND DISTURBANCE SHALL BE KEPT TO A MINIMUM. PERMANENT STABILIZATION SHALL BE SCHEDULED AS SOON AS FINAL GRADES ARE ESTABLISHED.
2. ALL DISTURBED AREAS SHALL BE FINE GRADED AND SEEDED WITH AN APPROVED SEED MIXTURE. COVER NEWLY SEEDED AREAS WITH MULCH HAY OR SALT HAY.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE 2002 CONNECTICUT "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" HANDBOOK.
4. ALL CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. CHECK AFTER EACH STORM EVENT.
5. ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF REQUIRED BY TOWN AUTHORITIES.
6. SEDIMENT DEPOSITS REMOVED FROM FILTER BARRIERS SHALL BE PLACED IN FILL AREAS OR SPREAD WHERE THERE IS PROPOSED VEGETATIVE COVER. ANY SEDIMENT DEPOSITS REMAINING AFTER THE FILTER BARRIER IS REMOVED SHALL BE FINE GRADED AND PLANTED ACCORDING TO PLAN.
7. THE SITE CONSTRUCTION CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFYING THE PLANNING AND ZONING OFFICE (AND/OR THE CONSERVATION COMMISSION) OF ANY TRANSFER OF THIS RESPONSIBILITY AND CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED TO A NEW OWNER.

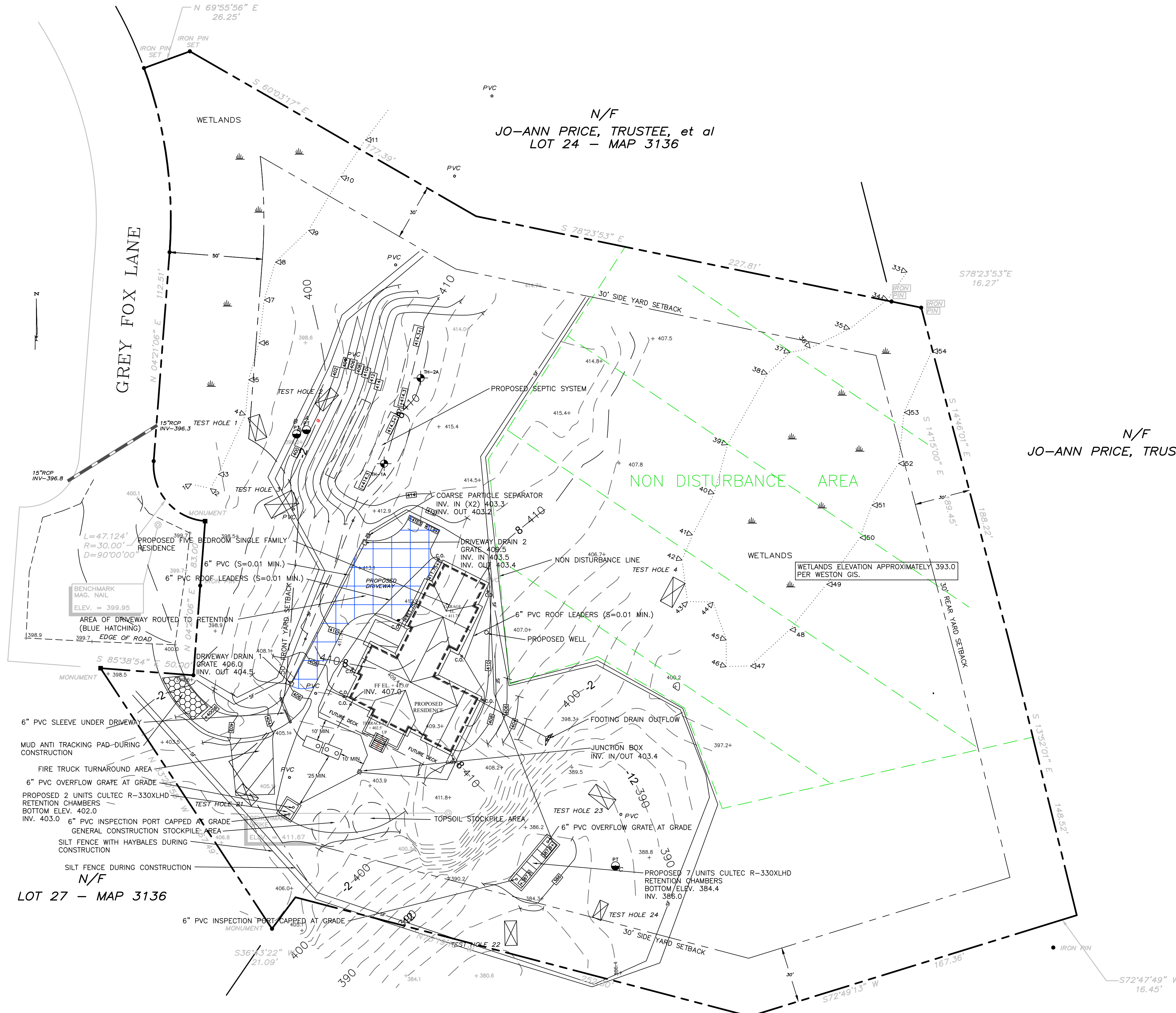
N/F
THE NATURE CONSERVANCY



LOWELL BAKER	
18 GREY FOX LANE WESTON, CONNECTICUT	
SEPTIC PLAN	
CIVIL ENGINEERS	1975 project
FAIRFIELD COUNTY ENGINEERING L.L.C.	
60 WINFIELD STREET, NORWALK, CONNECTICUT 06855 PH: (203) 831-8005 FAX: (203) 831-8006	

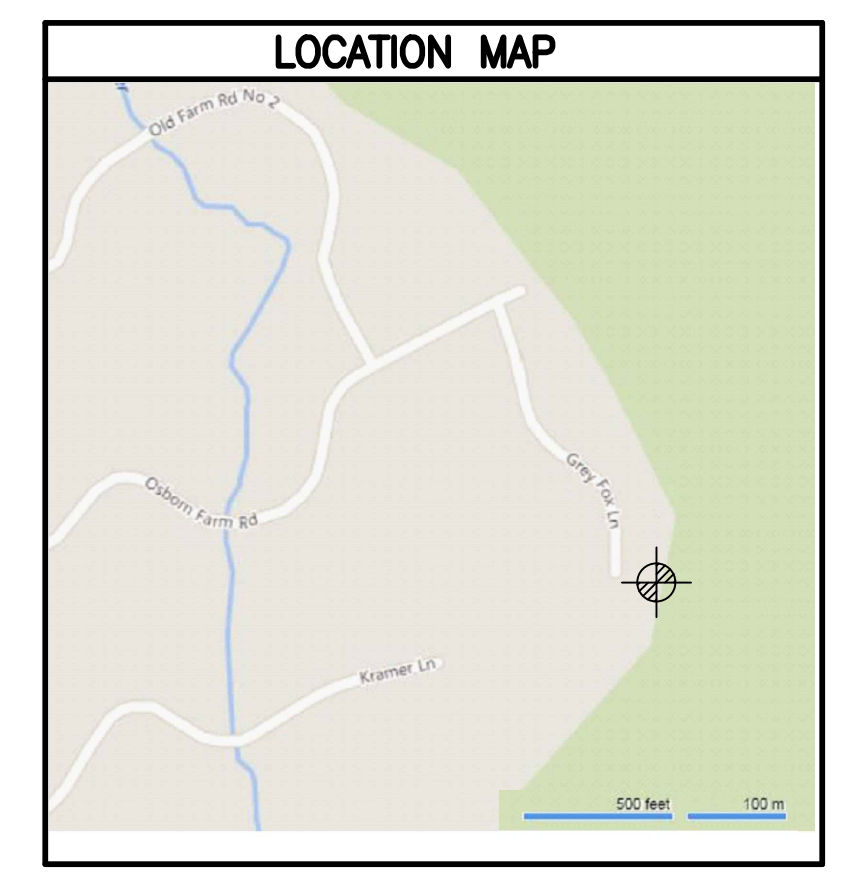
GENERAL CONSTRUCTION NOTES:

1. CONSTRUCTION AND STRUCTURES SHALL COMPLY WITH ALL MUNICIPAL OR STATE REQUIREMENTS. ALL WORK SHALL BE CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER, TO THE SATISFACTION OF THE ENGINEERING BUREAU, THAT CONSTRUCTION IS IN ACCORDANCE WITH THESE PLANS.
2. THE ENGINEERING BUREAU OF THE DEPARTMENT OF PUBLIC WORKS AND THE ENGINEER OF RECORD SHALL BE NOTIFIED THREE DAYS PRIOR TO THE COMMENCEMENT OF EACH PHASE OF CONSTRUCTION.
3. NO CERTIFICATE OF CONFORMANCE TO STANDARDS SHALL BE ISSUED BY THE DESIGN ENGINEER IF PROPER NOTICE IS NOT PROVIDED FOR INSPECTIONS OR IF INSPECTIONS ARE NOT MADE PRIOR TO BACKFILLING OF BELOW GROUND STRUCTURES AND APPURTENANCES.
4. SUBSURFACE STRUCTURES AND UTILITIES HAVE BEEN DETERMINED FROM EXISTING RECORDS AND ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE. IN ORDER TO AVOID CONFLICT OF THE PROPOSED WORK AND EXISTING UTILITIES, THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES BY EXCAVATING TEST HOLES. IF THE CONTRACTOR DETERMINES THAT A CONFLICT EXISTS, HE SHALL IMMEDIATELY NOTIFY THE ENGINEER, WHO WILL MAKE THE NECESSARY ADJUSTMENTS.
5. EXISTING PROPERTY AND UTILITY INFORMATION WAS TAKEN FROM A SURVEY BY PAUL A. BRAUTIGAM TITLED "TOPOGRAPHIC SURVEY PREPARED FOR BPC GREEN BUILDERS", DATED JUNE 8, 2017.
6. ALL SANITARY SEWER PIPE SHALL BE EITHER SDR-35 P.V.C. (ASTM D-3034) OR CLASS 52 DUCTILE IRON (ANSI A 21-51), AS INDICATED ON THE PLANS, UNLESS OTHERWISE INDICATED. ALL SANITARY SEWER PIPE SHALL HAVE RUBBER GASKET SLIP-TYPE JOINTS. INFILTRATION INTO SANITARY SEWERS SHALL NOT EXCEED 150 GALLONS PER INCH OF PIPE DIAMETER PER MILE OF PIPE IN 24 HOURS.
7. NO PIPE SHALL HAVE A BEND OF GREATER THAN 45 DEGREES.
8. THE CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" AT 1-800-922-4455, OR OTHER APPROPRIATE CONTACT POINT PRIOR TO START OF CONSTRUCTION.
9. ALL UTILITY LOCATIONS ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THE LOCATION OF THE UTILITIES IN THE FIELD BY WHATEVER MEANS HE DEEMS PRUDENT.
10. THIS DESIGN CONFORMS TO APPLICABLE CODES AND ACCEPTED PRACTICE, NO OTHER WARRANTY IS EXPRESSED OR IMPLIED.
11. TOTAL SITE AREA = 4.09 ACRES



N/F
JO-ANN PRICE, TRUSTEE, et al
LOT 24 - MAP 3136

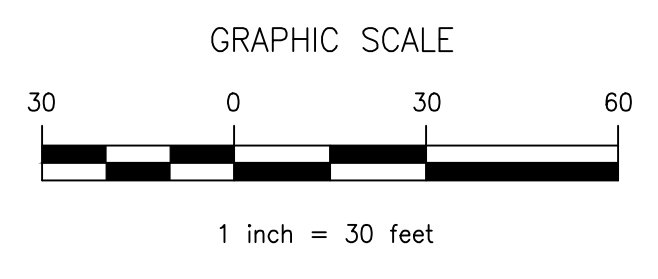
N/F
JO-ANN PRICE, TRUSTEE, et al



- SEDIMENTATION AND EROSION CONTROL NOTES**
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 7. THE SITE CONSTRUCTION CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFYING THE PLANNING AND ZONING OFFICE (AND/OR THE CONSERVATION COMMISSION) OF ANY TRANSFER OF THIS RESPONSIBILITY AND CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED TO A NEW OWNER.

N/F
THE NATURE CONSERVANCY

NOTE:
PRIOR TO THE COMMENCEMENT OF ANY WORK ON THE SITE, THE CONTRACTOR COMPLIANCE AGREEMENT MUST BE SIGNED AND RETURNED TO THE COMMISSION'S OFFICE BY THE CONTRACTOR WHO WILL PERFORM THE PERMITTED ACTIVITY.
IMPLEMENTATION OF THE EROSION AND SEDIMENTATION CONTROL PLAN PRIOR TO ANY SITE PREPARATION ACTIVITY. EROSION CONTROLS ARE TO BE INSPECTED BY THE APPLICANT WEEKLY AND AFTER RAINS, AND ALL DEFICIENCIES MUST BE REMEDIATED WITHIN TWENTY-FOUR HOURS OF FINDING THEM. THE APPLICANT SHALL MAINTAIN SUCH CONTROL MEASURES UNTIL WRITTEN PERMISSION IS RECEIVED FROM THE CONSERVATION PLANNER TO REMOVE SUCH MEASURES.



LOWELL BAKER	
18 GREY FOX LANE WESTON, CONNECTICUT	
ALTERNATE DRAINAGE PLAN	
CIVIL ENGINEERS	1975 project
FAIRFIELD COUNTY ENGINEERING L.L.C.	
60 WINFIELD STREET, NORWALK, CONNECTICUT 06855 PH: (203) 831-8005 FAX: (203) 831-8006	
5-11-22 date	1 OF 2 sheet