



RECEIVED
OCT 29 2021

70 Essex Street, Unit 2C, Mystic, CT 06355 ■ Phone: 860-536-7390

October 28, 2021

Carey R. Duques
Land Use Official/Zoning Enforcement Officer
Town of Essex
26 West Avenue
Essex, CT 06426

Re: Wetlands Application
2 Foster Lane
Essex, CT 06426

Dear Ms. Duques:

In response to the October 14, 2021 comments regarding the subject property, we have developed the following point by point response:

1. Environmental Scientist assess wetland and watercourses and the functions and values of the wetlands. – **See attached report from Environmental Scientist.**
2. Planting plan. – **Added.**
3. Excavation plan with test pits and water level observations. – **Addressed on Site Plan.**
4. Calculate total volume excavated. – **Approximately 5,000 CY.**
5. Grading plan. – **Addressed.**
6. Beefed up erosion and sedimentation measures. – **Addressed.**
7. Underground utilities. - **Added.**
8. Details on wetlands crossing.
 - Cross section. – **Added.**
 - Measure to protect embankment. – **Permanent Turf Reinforcements were added around the wetland crossing area. Details are shown on Plans.**
 - Measure to protect wetland. – **Strategic silt fence is placed around the wetland with hay bales to ensure protection from upland work.**

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Carey R. Duques
Land Use Official/Zoning Enforcement Officer
Town of Essex
26 West Avenue
Essex, CT 06426

Re: Wetlands Application – Description of Earthwork
2 Foster Lane
Essex, CT 06426

Dear Ms. Duques:

The earthwork that is being proposed will follow all guidelines outlined in the manual entitled "2002 Connecticut guidelines for Soil Erosion and Sediment Control". Soil and Erosion control measures will be in place and inspected before any earthwork is done. The earthwork will be done in standard construction practices. The ledge removal will be done with a combination of blasting and drilling. The proposed ledge grading will be done at a 1:6 ratio. A majority of ledge removal will be done past the 100-foot review line. Ledge removal will follow all State and town regulations. The temporary on-site stockpile location will be located in the approximate area of the proposed garage. The total net amount of earth excavated will be 5,000 CY.

If you have any questions or require anything further, don't hesitate to get in touch with our office at 802-440-6130.

Sincerely,

Nathaniel Fleming

Soil Resource Consultants

P.O. Box 752

Meriden, CT 06450

October 29, 2021

SRC Job No. 21-90



Gregg Fedus, P.E.
Fedus Engineering, LLC
70 Essex Street
Mystic, CT 06355

Dear Mr. Fedus:

Re: Wetland Investigation & Impact Assessment - Lot 2 - Foster Lane - Ivoryton, CT

At your request, I have completed an onsite investigation of this site. The purpose of my investigation was to examine the onsite inland wetlands and watercourse boundaries indicated on the site plan drawing prepared by your office dated August 5, 2021. I also reviewed the proposed development activities relative to their potential for adverse impacts to the onsite wetland and intermittent watercourse resources. The field work was completed on October 28, 2021.

A search of the relevant CT DEEP Natural diversity database show no listings for any plant or animal specie sightings on or nearby to this development. I have attached a copy of the relevant section of the map with its June 2021 date.

The wetland and watercourse boundaries in the area of the proposed driveway crossing were marked with blue plastic flagging numbered **WF -1** through **WF-9**. Please refer to the 8-5-21 site plan drawing for the depiction of all development activities and the onsite wetland and intermittent watercourse boundaries previously flagged by others.

The above wetland soil mapping shown on the site plan drawing accurately depicts the limits of onsite wetlands and intermittent watercourses. The map units described in the original delineation report accurately described existing soil characteristics.

Proposed Development Activities

A driveway crossing of the existing intermittent watercourse is proposed to provide access to the house site. Two (2) 12" diameter HDPE culvert pipes are proposed to convey surface water flows through the crossing location. A covering of stones is proposed over the top of the culvert pipes. Flared end sections and riprap plunge pools are also proposed at both inlet and discharge areas for the culverts.

The onsite septic system leach field is proposed to be sited to the south of the house location. The leach field is well outside the 50 foot upland review zone limits.

Wetland Delineations Wetland Impact Evaluations Environmental Planning

This subject site is generally wooded with a moderate shrub understory. Trees species including Red Maples, Green As, Poplars and Birches are sapling to pole size. The woods are of relatively young age with clear indications of recent (<10 yrs.) clearing of a sizeable portion in the general area of the proposed building. The shrub understory is beginning to thin due to the shading effect of the main tree canopy.

The intermittent watercourse channel consists of a somewhat well defined channel section with a normal flow pattern less than three (3) wide. Alluvial deposition of fine grained sediments are moving through the channel in and among the rocky bottom area. No indications of scouring, soil erosion or sedimentation was observed within the area of the existing tree log corduroy crossing which will be the site of the proposed culverted crossing. No increase in post construction flows should be expected as existing flow patterns generally to the south are to be maintained.

Hydrology for this intermittent watercourse is provided from offsite sources to the north.

The lower wetland appears to have been made into a small basin/ponded area. The construction of the pond likely took place at the time of construction of this section of Foster Lane. Open water is dominant in this pond area although some Phragmites, *Phragmites australis*, is present in the southeastern portion of the pond. Shallow water depths along the pond edges allows for a very diverse range of wildlife usage.

Pond edge areas appear to be very stable with no signs of soil erosion or sedimentation issues. Sapling sized trees dominate the pond edge areas and will continue to stabilize the pond area.

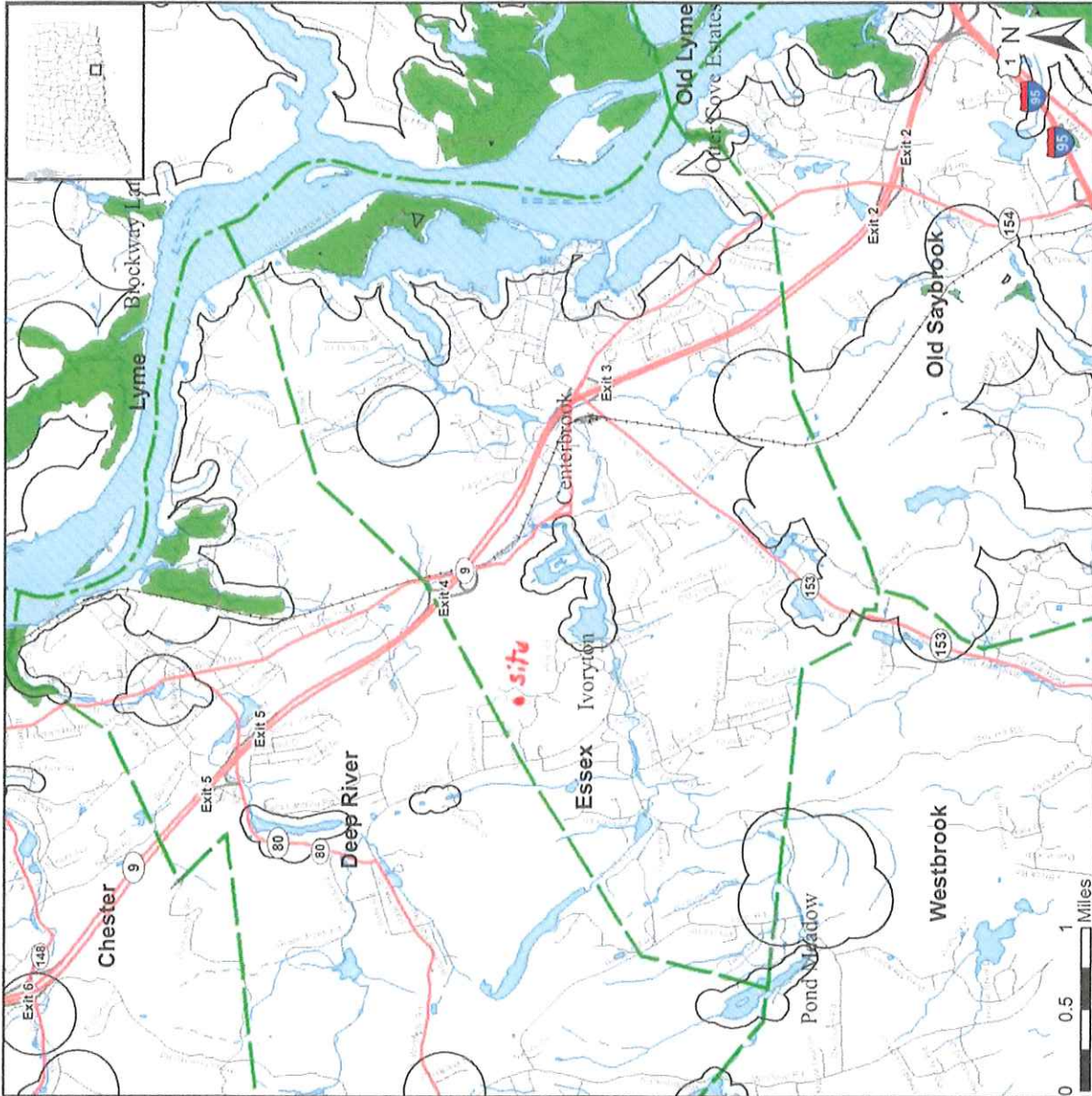
In my professional opinion, the development of this house site, as proposed, does not represent any significant potential for adverse environmental impacts to the existing characteristics and functioning of the onsite wetland resources or their long term functioning at existing levels.

If you have any questions regarding this report, or need additional assistance with this site, please contact me.


Sincerely,



David H. Lord
Certified Soil Scientist
& Environmental Consultant



Natural Diversity Data Base Areas
ESSEX, CT
 June 2021

-  State and Federal Listed Species
-  Critical Habitat
-  Town Boundary

NOTE: This map shows general locations of State and Federal Listed Species and Critical Habitats. Information on listed species is collected and compiled by the Natural Diversity Data Base (NDDB) from a variety of data sources. Exact locations of species have been buffered to produce the generalized locations.

This map is intended for use as a preliminary screening tool for conducting a Natural Diversity Data Base Review Request. To use the map, locate the project boundaries and any additional affected areas. If the project is within a hatched area there may be a potential conflict with a listed species. For more information, complete a Request for Natural Diversity Data Base State Listed Species Review form (DEP-APP-007), and submit it to the NDDB along with the required maps and information. More detailed instructions are provided with the request form on our website.

www.ct.gov/deep/nddbrequest

Use the CTECO Interactive Map Viewers at <http://cteco.uconn.edu> to more precisely search for and locate a site and to view aerial imagery with NDDB Areas.

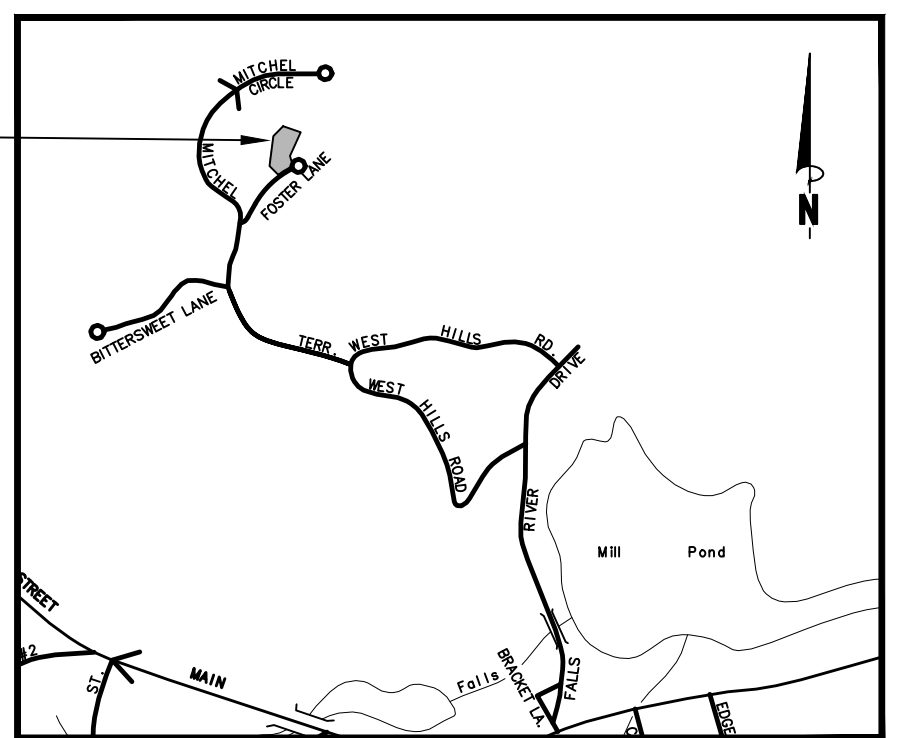
QUESTIONS: Department of Energy and Environmental Protection (DEEP)
 79 Elm St. Hartford, CT 06106
 email: deep.nddbrequest@ct.gov
 Phone: (860) 424-3011



Connecticut Department of
 Energy & Environmental Protection
 Bureau of Natural Resources
 Wildlife Division

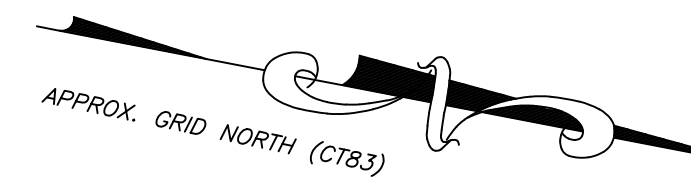
RUM - ZONING REQUIREMENTS TABLE

SECTION	REGULATION	REQUIREMENTS	EXISTING	PROPOSED
61.B	MINIMUM LOT AREA	80,000 SF	99,389 SF	99,389 SF
61.B	MINIMUM LOT WIDTH	150'	198.53'	198.53'
61.B	MINIMUM FRONT YARD	40'	-	172.8'
61.B	MINIMUM SIDE YARD	30'	-	151.4' (N), 140.9' (S)
61.B	MINIMUM REAR YARD	30'	-	31.1'
61.B	MAXIMUM BUILDING COVERAGE	15%	-	5.0%
61.B	MAXIMUM BUILDING HEIGHT	35'	-	< 35'



Location Map
Scale: 1"=1000'

0 500 1000 2000



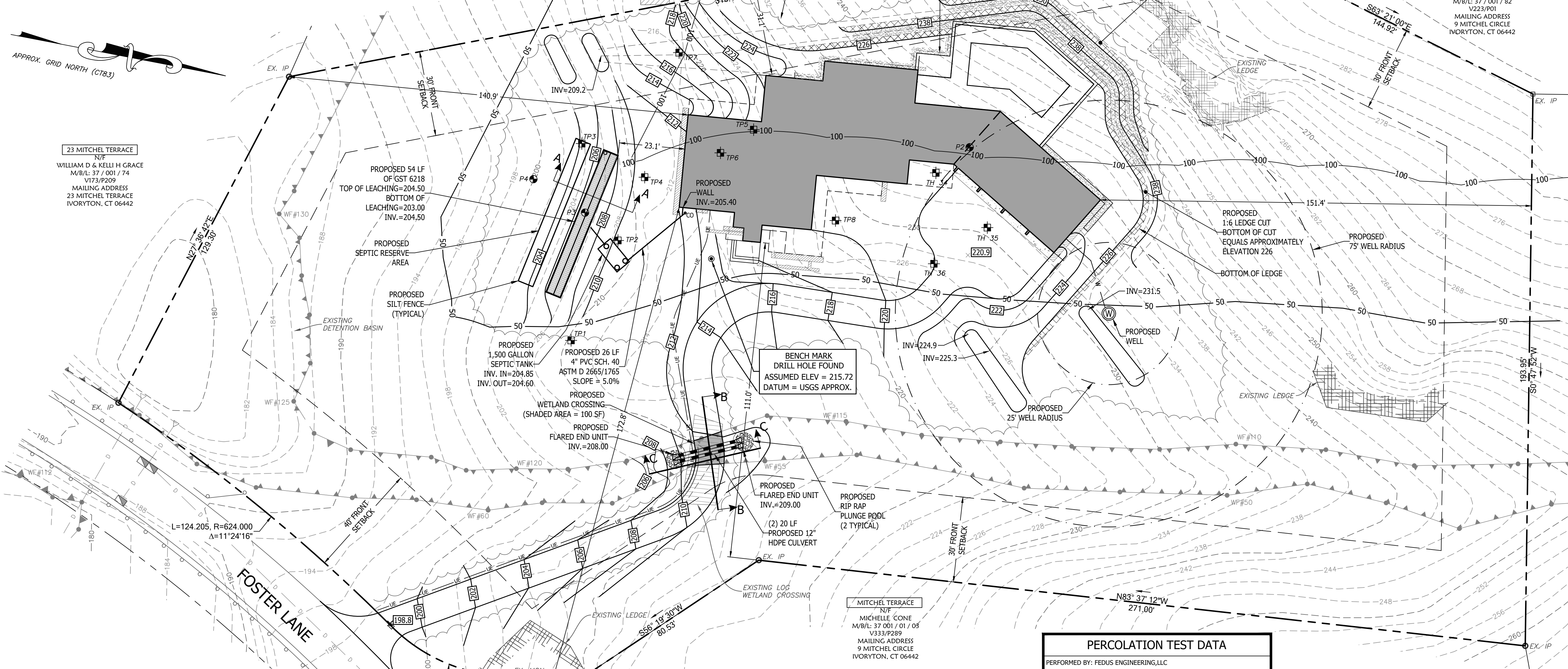
23 MITCHEL TERRACE
N/F
WILLIAM D & KELLY H GRACE
M/B/L: 37 / 001 / 74
V173/P209
MAILING ADDRESS
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IVORYTON, CT 06442

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N/F
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Legend

EXISTING	
SYMBOL	DESCRIPTION
□	MONUMENT
○	EX. IP / REBAR
●	DRILL HOLE
○	UTILITY POLE W/ LIGHT
—	STONEWALL
—	FENCE LINE
—	WATER VALVE
—	OVERHEAD WIRES
—	PROPERTY LINE
—	ADJACENT PROPERTY LINE
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N/F	NOW OR FORMERLY CATCH BASIN
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○	SEWER MANHOLE
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PROPOSED	
○	IRON PIN TO BE SET

2 FOSTER LANE - SEPTIC DESIGN DATA
6 BEDROOM DESIGN

PERC RATE = <10.1 MINS/INCH = 742.5 SF OF EFFECTIVE LEACHING REQUIRED
GST6236 = 26.2 SF/LF
MINIMUM REQUIRED TRENCH = 742.5 SF / 26.2 SF/LF = 28.34 LF
TRENCH PROVIDED = 30 LF
EFFECTIVE LEACHING PROVIDED = 786 SF

MLSS CALCULATION:
DEPTH TO RESTRICTIVE LAYER > 60"
MLSS NOT REQUIRED

DEEP TEST PIT DATA / SOIL DESCRIPTIONS

PERFORMED BY: FEDUS ENGINEERING, LLC - GREGG FEDUS, P.E.
WITNESSED BY: DON MITCHELL, MPH, RS DATE: 6/8/2021

TEST PIT: 1	TEST PIT: 2	TEST PIT: 3	TEST PIT: 4	TEST PIT: 5	TEST PIT: 6
0 - 22" LEDGE AT 22"	0"-3" ORGANIC LAYER, LEAF LITTER 3"-40" LIGHT BROWN TO VARIES TO RED BROWN SILT LOAM (DAMP) 40"-87" GREY MEDIUM TO COARSE SAND, WITH GRAVEL, SOME ROCKS (LOOSE)	0"-6" TOPSOIL AND LEAF LITTER 6"-39" RED BROWN TO LIGHT BROWN SILT LOAM (DAMP) 39"-82" GREY SANDY TILL, MANY LARGE ROCKS (LOOSE TO FIRM)	18"-36" LEDGE	0"-3" TOPSOIL AND LEAF LITTER 3"-19" ORANGE BROWN VERY FINE SANDY LOAM (LOOSE) 19"-60" GREY SANDY TILL WITH ROCKS	0"-10" TOPSOIL AND LEAF LITTER 10"-23" BROWN SANDY LOAM 23"-70" GREY SANDY TILL
MOTTLES: NO GROUNDWATER: NO LEDGE: 22" ROOTS: NO RESTRICTIVE: 22"	MOTTLES: NO GROUNDWATER: NO LEDGE: NO ROOTS: 43" RESTRICTIVE: 87"	MOTTLES: NO GROUNDWATER: NO LEDGE: NO ROOTS: 52" RESTRICTIVE: 82"	MOTTLES: NO GROUNDWATER: NO LEDGE: 18-36" ROOTS: NO RESTRICTIVE: 18"	MOTTLES: NO GROUNDWATER: NO LEDGE: 18"-60" ROOTS: 36" RESTRICTIVE: 60"	MOTTLES: NO GROUNDWATER: NO LEDGE: 70" ROOTS: 52" RESTRICTIVE: 70"

PERCOLATION TEST DATA
PERFORMED BY: FEDUS ENGINEERING, LLC
DATE: 9/14/21 LOT 2 FOSTER LANE - P3

DEPTH: 19"	DIA. OF HOLE: 8"		
ELAPSED TIME (MIN)	READING (INCHES)	CHANGE (INCHES)	PERC. RATE (MIN/INCH)
0	7		
10	10	3	3.33
20	12	2	5.00
30	13	1	10.00
40	14 1/4	1 1/4	8.00
50	15 1/2	1 1/4	8.00
60	16 3/4	1 1/4	8.00

PERCOLATION TEST DATA
PERFORMED BY: FEDUS ENGINEERING, LLC
DATE: 9/14/21 LOT 2 FOSTER LANE - P4

DEPTH: 20"	DIA. OF HOLE: 8"		
ELAPSED TIME (MIN)	READING (INCHES)	CHANGE (INCHES)	PERC. RATE (MIN/INCH)
0	8		
10	10	2	5.00
20	11 1/2	1 1/2	6.67
30	12 3/4	1 1/4	8.00
40	13 3/4	1	10.00
50	14 1/2	1	10.00
60	15 1/4	1	10.00

DEEP TEST PIT DATA / SOIL DESCRIPTIONS
PERFORMED BY: FEDUS ENGINEERING, LLC - GREGG FEDUS, P.E.
WITNESSED BY: DON MITCHELL, MPH, RS DATE: 6/10/2021

TEST PIT: 7	TEST PIT: 8
0 - 2" TOPSOIL AND LEAF LITTER 2"-28" ORANGE BROWN VERY FINE SANDY LOAM 28"-64" GREY SANDY, GRAVELLY TILL WITH ROCKS	0"-6" TOPSOIL AND LEAF LITTER 6"-24" RED BROWN VERY FINE SANDY LOAM 24"-68" GREY SANDY, GRAVELLY TILL WITH ROCKS (LARGE BOULDER IN HOLE)
MOTTLES: NO GROUNDWATER: NO LEDGE: 64" ROOTS: 34" RESTRICTIVE: 64"	MOTTLES: NO GROUNDWATER: NO LEDGE: NO ROOTS: 38" RESTRICTIVE: 68"

Subject Parcel Information

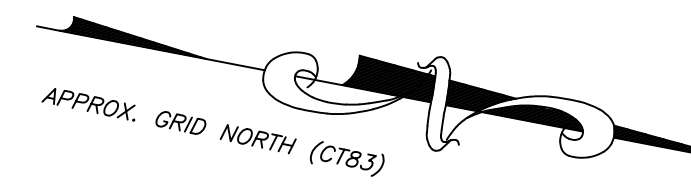
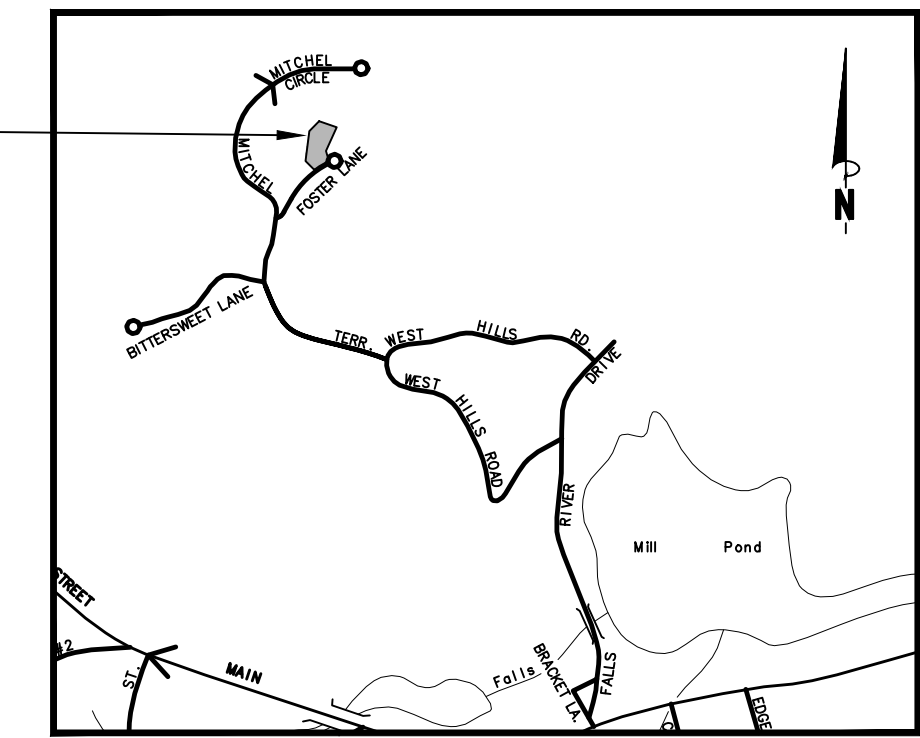
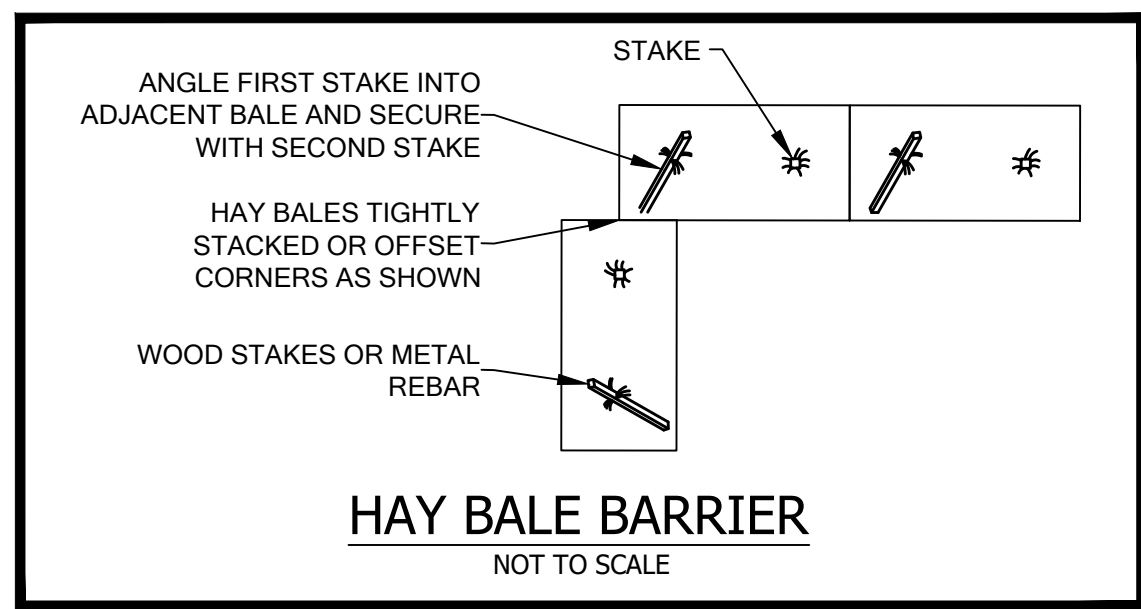
OWNER: BEVON SEMPLE
PARCEL ADDRESS: MITCHEL TERRACE (2 FOSTER LANE)
MAILING ADDRESS: 88-20 PARSONS BLVD STE 5B, JAMAICA, NY 11432
37/001/02
DEED: VOLUME 343 PAGE 370
AREA: 99,389 SF = 2.28 AC
FLOOD ZONE: ZONE X PER FIRM MAP # 09007C0327G
EFFECTIVE DATE: 08/28/2008

NO.	DATE	REVISIONS
1	10/27/2021	WETLAND COMMENTS

Site Plan
of
Lot 2 - Foster Lane
Ivoryton, Connecticut
Prepared For:
Bevon Semple
August 5, 2021

DRAWING SCALE: 1"=20'
0 10 20 40

FEDUS ENGINEERING, LLC
CIVIL ENGINEERS
Mailing Address: 70 Essex Street Mystic, Connecticut 06355
Office: (860) 536-7390 Fax: (860) 536-1644



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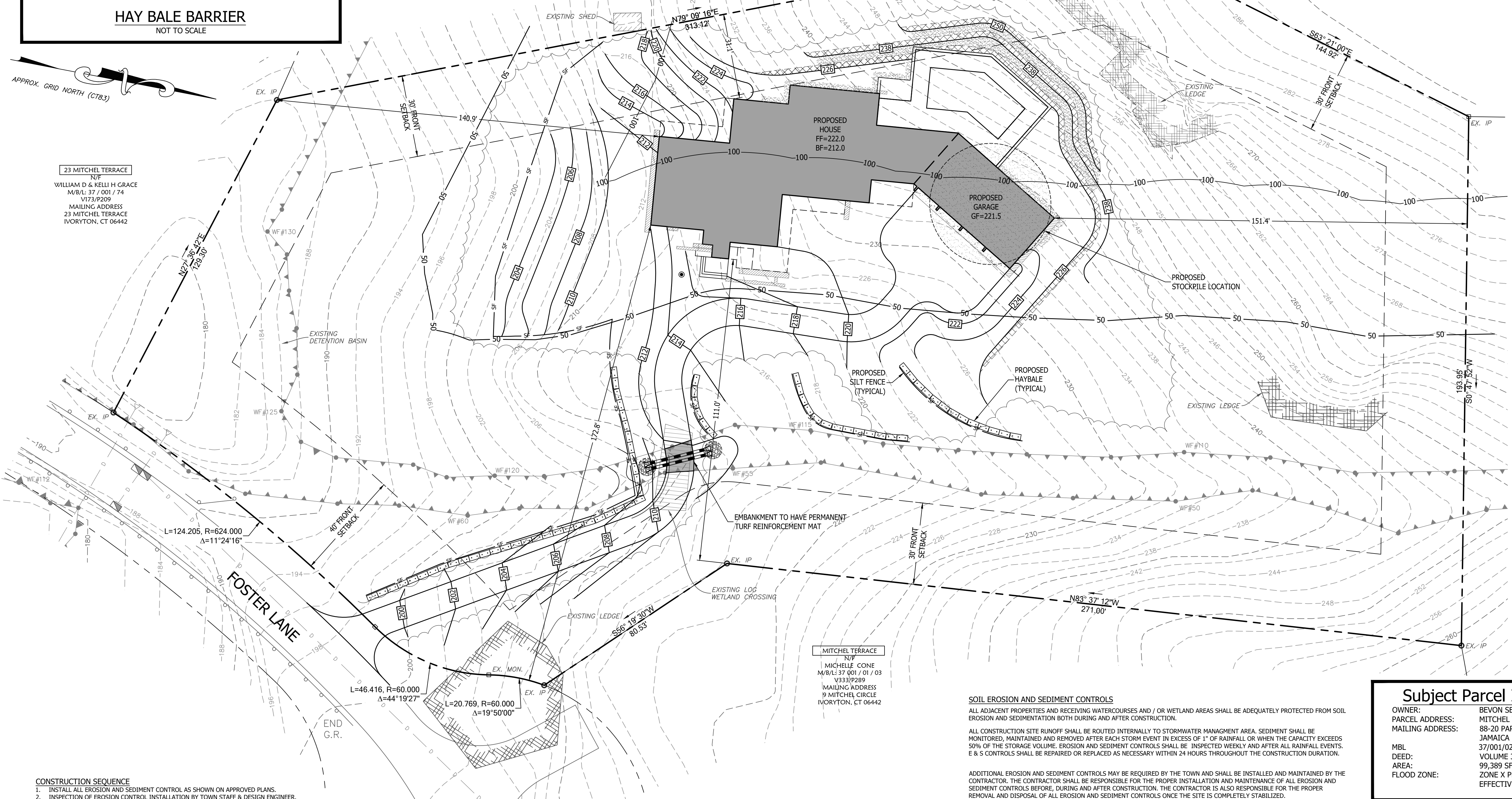
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○	DRAINAGE MANHOLE
○	SEWER MANHOLE
○	HYDRANT
○	WATER SHUTOFF
PROPOSED	
○	IRON PIN TO BE SET



- CONSTRUCTION SEQUENCE**
- INSTALL ALL EROSION AND SEDIMENT CONTROL AS SHOWN ON APPROVED PLANS.
 - INSPECTION OF EROSION CONTROL INSTALLATION BY TOWN STAFF & DESIGN ENGINEER.
 - CLEAR AND GRUB SITE TO LIMITS OF DISTURBANCE.
 - ROUGH GRADE SITE, BLASTING, AND DRILLING.
 - CONSTRUCT BUILDING.
 - EXCAVATE FOUNDATION OF BUILDING
 - FORM AND POUR FOOTINGS AND WALLS
 - STRIP FORMS, WATERPROOF FOUNDATIONS AND BACKFILL
 - CONTRACT LOWER LEVEL FLOOR AND POUR CONCRETE FLOORS
 - FRAME BUILDING AND ROOFING
 - INSTALL WINDOWS AND DOORS
 - INSTALL SIDING
 - ROUGH MECHANICALS
 - INSULATE
 - SHETROCK
 - INTERIOR TRIM AND DOORS
 - FLOORING
 - FINISH MECHANICALS
 - PAINT
 - INSTALL SEPTIC SYSTEM.
 - INSTALL WELL.
 - INSTALL DRAINAGE SYSTEM.
 - INSTALL UNDERGROUND ELECTRIC.
 - INSTALL SUBGRADE AND COMPACT IN PAVED AREAS.
 - PLACE BINDER COURSE.
 - INSTALL SURFACE COURSE.
 - LOAN AND SEED DISTURBED AREAS.
 - LANDSCAPE FINISHED AREAS.
 - FINAL STABILIZATION OF SITE.
 - FINAL CLEANING OF STORMWATER SYSTEM AND GENERAL SITE CLEANUP.
 - OBTAIN FINAL INSPECTIONS.
 - REMOVE EROSION AND SEDIMENTATION CONTROL DEVICES.

SOIL EROSION AND SEDIMENT CONTROL PLAN NARRATIVE

THE SITE CONTRACTOR MUST FOLLOW ALL GUIDELINES SET FORTH IN THE MANUAL ENTITLED "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION. THIS MANUAL IS ALSO KNOWN AS DEP BULLETIN 34. IN ADDITION THE SITE CONTRACTOR MUST FOLLOW THE TOWN'S ZONING AND SUBDIVISION REGULATIONS, TOWN EMERGENCY STANDARDS AND SPECIFICATIONS, CTDOT FORM 816 WHERE APPLICABLE.

- LAND DISTURBANCE**
- ALL EXISTING VEGETATION OUTSIDE OF THE CLEARING LIMITS SHALL BE PROTECTED. EXISTING VEGETATION SHALL BE REMOVED ONLY IN AREAS NECESSARY FOR SITE CONSTRUCTION ACTIVITIES. ANY ADDITIONAL CLEARING OUTSIDE OF THE PROPOSED CLEARING LIMITS SHALL BE APPROVED BY TOWN STAFF PRIOR TO CLEARING, AS APPLICABLE.
 - ALL AREAS SHALL REMAIN UNDISTURBED UNTIL IMMEDIATELY PRIOR TO SITE DEVELOPMENT.
 - ALL CONSTRUCTION EQUIPMENT, MATERIALS AND STOCKPILES SHALL NOT BE PLACED OUTSIDE OF THE DISTURBED AREAS.
 - THE DEVELOPER SHALL BE RESPONSIBLE FOR THE CLEANING OF ANY NEARBY STREETS, AS ORDERED BY THE TOWN OR STATE, OF ANY SOIL OR DEBRIS FROM THE SITE CONSTRUCTION ACTIVITIES.
 - ALL TREES, BRUSH, STUMPS, WOOD CHIPS OR OTHER ORGANIC MATTER SHALL BE DISPOSED OF PROPERLY OFF-SITE. WOOD CHIPS MAY BE USED AS A SILTATION BARRIER DURING CONSTRUCTION AND SPREAD AFTER SITE IS STABILIZED. NO ORGANIC MATTER INCLUDING TREES, BRUSH AND STUMPS SHALL BE BURIED ON-SITE.

STRIPPING AND STOCKPILING

ALL STOCKPILES THAT CONSIST OF ERODIBLE MATERIALS SHALL BE LOCATED WITHIN AREAS AS SHOWN ON THE SITE PLAN AND SURROUNDED BY A SILTATION BARRIER. ANY STOCKPILE THAT WILL REMAIN UNDISTURBED FOR A PERIOD LONGER THAN 30 DAYS SHALL BE SEEDED WITH A TEMPORARY GRASS SEED MIXTURE TO PREVENT EXCESSIVE EROSION AND SEDIMENTATION.

TRENCH EXCAVATION AND BACKFILL

THE CONTRACTOR SHALL PROPERLY MAINTAIN ALL BACKFILLED EXCAVATIONS. ANY DEPRESSIONS DUE TO SETTLING IN THESE AREAS SHALL BE FILLED AND RESEEDED AS NECESSARY.

THE WIDTH OF ALL EXCAVATED TRENCHES SHALL BE KEPT AS NARROW AS PRACTICABLE TO ACCOMMODATE THE WORK. ALL MATERIALS EXCAVATED FROM TRENCHES SHALL BE STOCKPILED AND USED AS TRENCH BACKFILL MATERIAL UNLESS IT IS DETERMINED TO BE UNSUITABLE BY THE ENGINEER. EXCESS MATERIALS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.

SOIL EROSION AND SEDIMENT CONTROLS

ALL ADJACENT PROPERTIES AND RECEIVING WATERCOURSES AND / OR WETLAND AREAS SHALL BE ADEQUATELY PROTECTED FROM SOIL EROSION AND SEDIMENTATION BOTH DURING AND AFTER CONSTRUCTION.

ALL CONSTRUCTION SITE RUNOFF SHALL BE ROUTED INTERNALLY TO STORMWATER MANAGEMENT AREA. SEDIMENT SHALL BE MONITORED, MAINTAINED AND REMOVED AFTER EACH STORM EVENT IN EXCESS OF 1" OF RAINFALL OR WHEN THE CAPACITY EXCEEDS 50% OF THE STORAGE VOLUME. EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER ALL RAINFALL EVENTS. E & S CONTROLS SHALL BE REPAIRED OR REPLACED AS NECESSARY WITHIN 24 HOURS THROUGHOUT THE CONSTRUCTION DURATION.

ADDITIONAL EROSION AND SEDIMENT CONTROLS MAY BE REQUIRED BY THE TOWN AND SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROLS BEFORE, DURING AND AFTER CONSTRUCTION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF ALL EROSION AND SEDIMENT CONTROLS ONCE THE SITE IS COMPLETELY STABILIZED. ALL EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER ALL RAINFALL EVENTS. E & S CONTROLS SHALL BE REPAIRED OR REPLACED AS NECESSARY WITHIN 24 HOURS THROUGHOUT THE CONSTRUCTION DURATION.

ALL ACCUMULATED SEDIMENTS AT ALL EROSION AND SEDIMENT CONTROLS SHALL BE PERIODICALLY REMOVED AND SPREAD IN AREAS THAT ARE NOT SUBJECT TO EROSION.

THE PERMITTEE SHALL EMPLOY BEST MANAGEMENT PRACTICES, CONSISTENT WITH THE TERMS AND CONDITIONS OF THE INLAND WETLANDS PERMIT, TO CONTROL STORMWATER DISCHARGES AND TO PREVENT EROSION AND SEDIMENTATION AND TO OTHERWISE PREVENT POLLUTION OF WETLANDS OR WATERCOURSES. THE PERMITTEE SHALL IMMEDIATELY INFORM THE TOWN WETLANDS OFFICER OF ANY PROBLEMS INVOLVING WETLANDS OR WATERCOURSES THAT HAVE DEVELOPED IN THE COURSE OF, OR THAT ARE CAUSED BY, THE AUTHORIZED WORK.

THE RESPONSIBLE CONTACT PERSON FOR THE INSTALLATION AND MAINTENANCE OR EROSION AND SEDIMENTATION CONTROLS ON THIS PROJECT WILL BE THE SITE CONTRACTOR. THE CONTACT INFORMATION FOR THE CONTRACTOR WILL BE MADE AVAILABLE TO THE TOWN AS SOON AS IT IS AVAILABLE.

VEGETATIVE TURF ESTABLISHMENT PROCEDURE

SCARIFY ALL AREAS TO BE TOPSOILED AND SEEDED. APPLY A MINIMUM OF 4 INCHES OF TOPSOIL ON ALL AREAS TO BE SEED. APPLY GRASS SEED, LIME, FERTILIZER AND MULCH ACCORDING TO THE FOLLOWING SCHEDULE:

PERMANENT SEED MIXTURE:

CREeping RED FESCUE	2.4 LBS. PER 1,000 SQ. FT.
REDTOP	0.2
TALL FESCUE	2.4
TOTAL	5.0

FERTILIZER:

10-10-10 APPLY AT 7.5 LBS. PER 1,000 SQ. FT.

LIMESTONE:

APPLY AT 150 LBS. PER 1,000 SQ. FT.

MULCHING:

SPREAD HAY OR STRAW OVER ALL AREAS AFTER SEEDING. USE 1 1/2 TO 2 BALES PER 1,000 SQ. FT. TARGET FOR 100% COVERAGE. ANCHOR BY USING NETTING OR TRACKING AS NECESSARY.

SEEDING DATES:

SEEDING DATES IN CONNECTICUT ARE NORMALLY APRIL 1 THROUGH JUNE 15 AND AUGUST 15 THROUGH OCTOBER 1. SEED GERMINATION NORMALLY CANNOT BE EXPECTED FROM NOVEMBER THROUGH FEBRUARY. IF ADEQUATE SEED GERMINATION IS NOT POSSIBLE DUE TO TIME OF YEAR CONSTRAINTS, MULCHING SHALL BE ADEQUATELY PROVIDED TO PROTECT THE SEED FROM WIND AND SURFACE EROSION UNTIL THE WEATHER IMPROVES AND THE SEEDING BECOMES WELL ESTABLISHED.

Subject Parcel Information

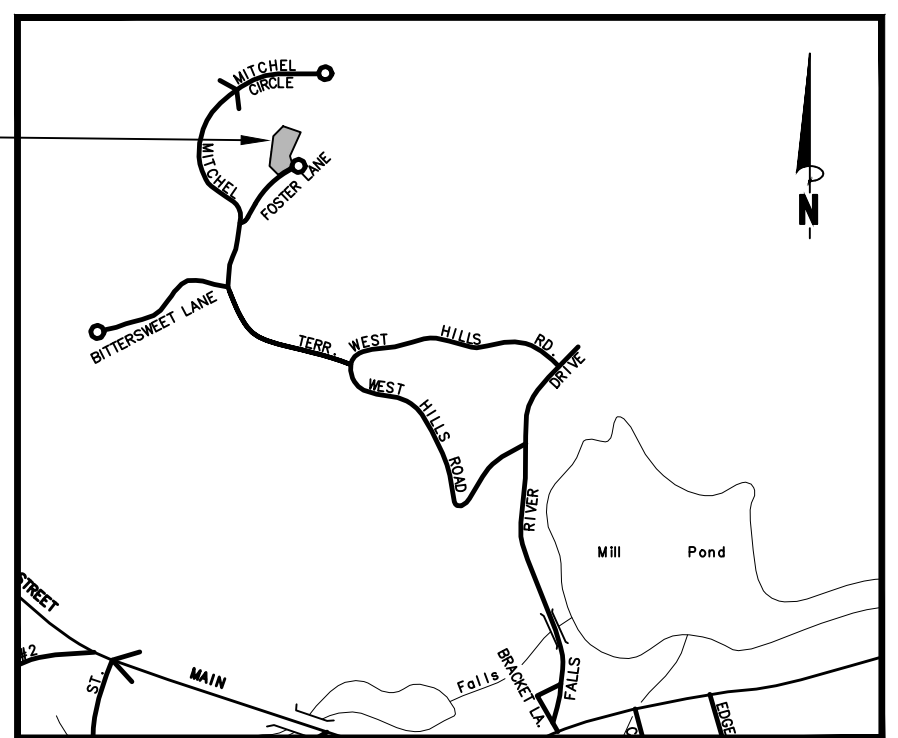
OWNER: BEVON SEMPLE
 PARCEL ADDRESS: MITCHEL TERRACE (2 FOSTER LANE)
 MAILING ADDRESS: 88-20 PARSONS BLVD STE 5B, JAMAICA, NY 11432
 MBL: 37/001/02
 DEED: VOLUME 343 PAGE 370
 AREA: 99,389 SF = 2.28 AC
 FLOOD ZONE: ZONE X PER FIRM MAP # 09007C0327G
 EFFECTIVE DATE: 08/28/2008

NO.	DATE	REVISIONS
1	10/27/2021	WETLAND COMMENTS

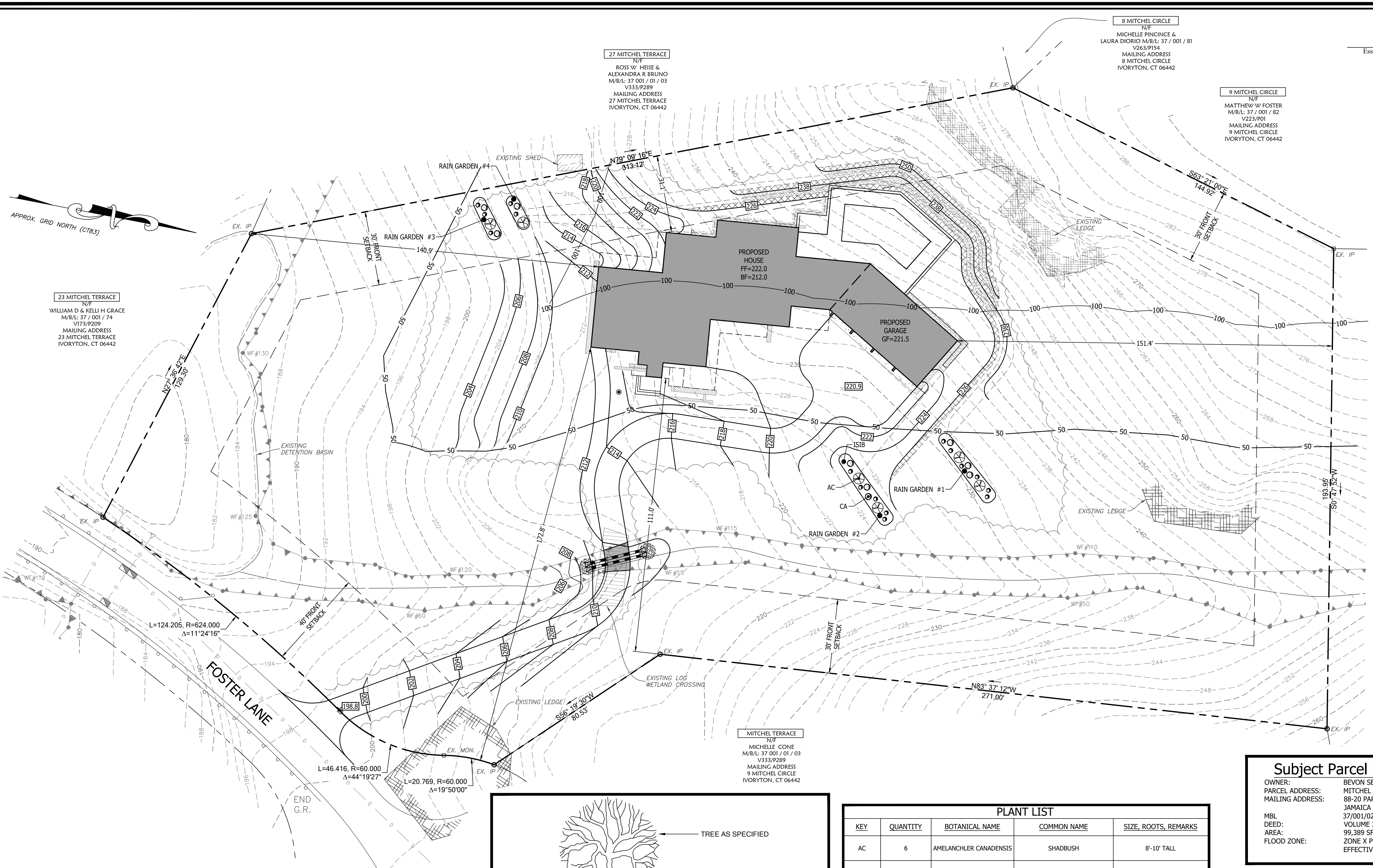
Soil Erosion & Sediment Control Plan
of
Lot 2 - Foster Lane
Ivoryton, Connecticut
Prepared For:
Bevon Semple
September 13, 2021

DRAWING SCALE: 1"=20'
0 10 20 40

FEDUS ENGINEERING, LLC
CIVIL ENGINEERS
Mailing Address: 70 Essex Street Mystic, Connecticut 06355
Office: (860) 536-7390 Fax: (860) 536-1644



Location Map
Scale: 1"=1000'



MITCHEL TERRACE
N/F
MICHELLE CONE
M/B/L: 37 001 / 01 / 03
V333/P289
MAILING ADDRESS
9 MITCHEL CIRCLE
IVORYTON, CT 06442

23 MITCHEL TERRACE
N/F
WILLIAM D & KELLI H GRACE
M/B/L: 37 / 001 / 74
V173/P209
MAILING ADDRESS
23 MITCHEL TERRACE
IVORYTON, CT 06442

27 MITCHEL TERRACE
N/F
ROSS W HEISE &
ALEXANDRA R BRUNO
M/B/L: 37 001 / 01 / 03
V333/P289
MAILING ADDRESS
27 MITCHEL TERRACE
IVORYTON, CT 06442

8 MITCHEL CIRCLE
N/F
MICHELLE PINCINCE &
LAURA DIORIO M/B/L: 37 / 001 / 81
V263/P154
MAILING ADDRESS
8 MITCHEL CIRCLE
IVORYTON, CT 06442

9 MITCHEL CIRCLE
N/F
MATTHEW W FOSTER
M/B/L: 37 / 001 / 82
V223/P01
MAILING ADDRESS
9 MITCHEL CIRCLE
IVORYTON, CT 06442

Legend

- EXISTING**
- MONUMENT
 - EX. IP / REBAR
 - DRILL HOLE
 - UTILITY POLE W/ LIGHT
 - STONEWALL
 - x—x—x— FENCE LINE
 - WATER VALVE
 - ohw— OVERHEAD WIRES
 - — — — — PROPERTY LINE
 - — — — — ADJACENT PROPERTY LINE
 - — — — — INDEX CONTOUR
 - — — — — CONTOUR
 - WF—XX— WETLANDS BOUNDARY/FLAG
 - — — — — MEAN LOW WATER LINE
 - — — — — MEAN HIGH WATER LINE
 - — — — — HIGH TIDE LINE
 - — — — — COASTAL JURISDICTIONAL LINE
 - — — — — ZONE LINE
 - — — — — EASEMENT LINE
 - — — — — BUILDING SETBACK LINE
 - — — — — EXISTING WATER LINE
 - SS— EXISTING SEWER LINE
 - N/F NOW OR FORMERLY
 - CATCH BASIN
 - (TYP.) TYPICAL
 - 5.8 SPOT ELEVATION
 - DH DRILL HOLE
 - (POB) POINT OF BEGINNING
 - TP1 TEST PIT
 - P1 PERCOLATION TEST
 - UTILITY POLE
 - DRAINAGE MANHOLE
 - SEWER MANHOLE
 - HYDRANT
 - WATER SHUTOFF
- PROPOSED**
- IRON PIN TO BE SET

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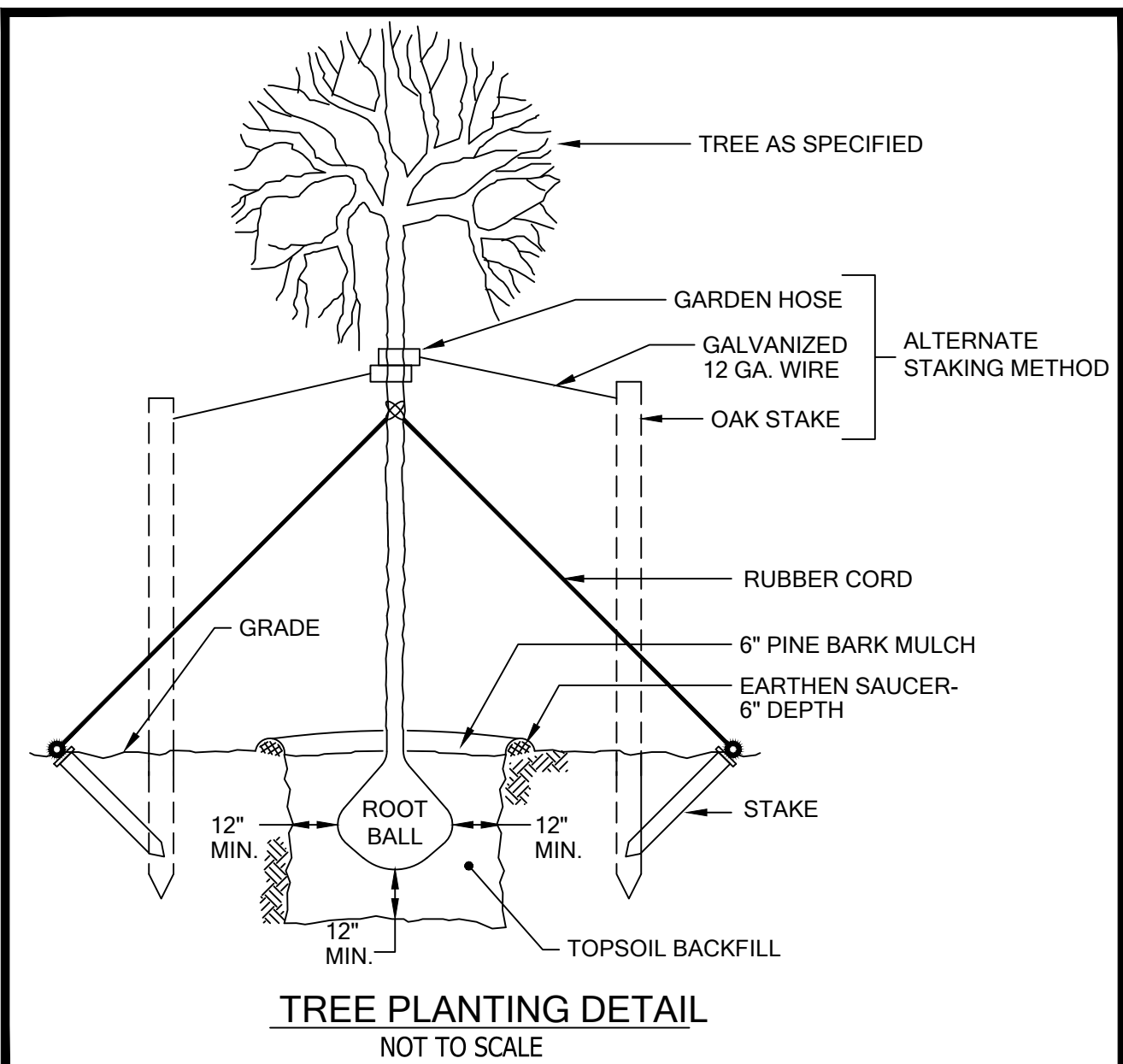
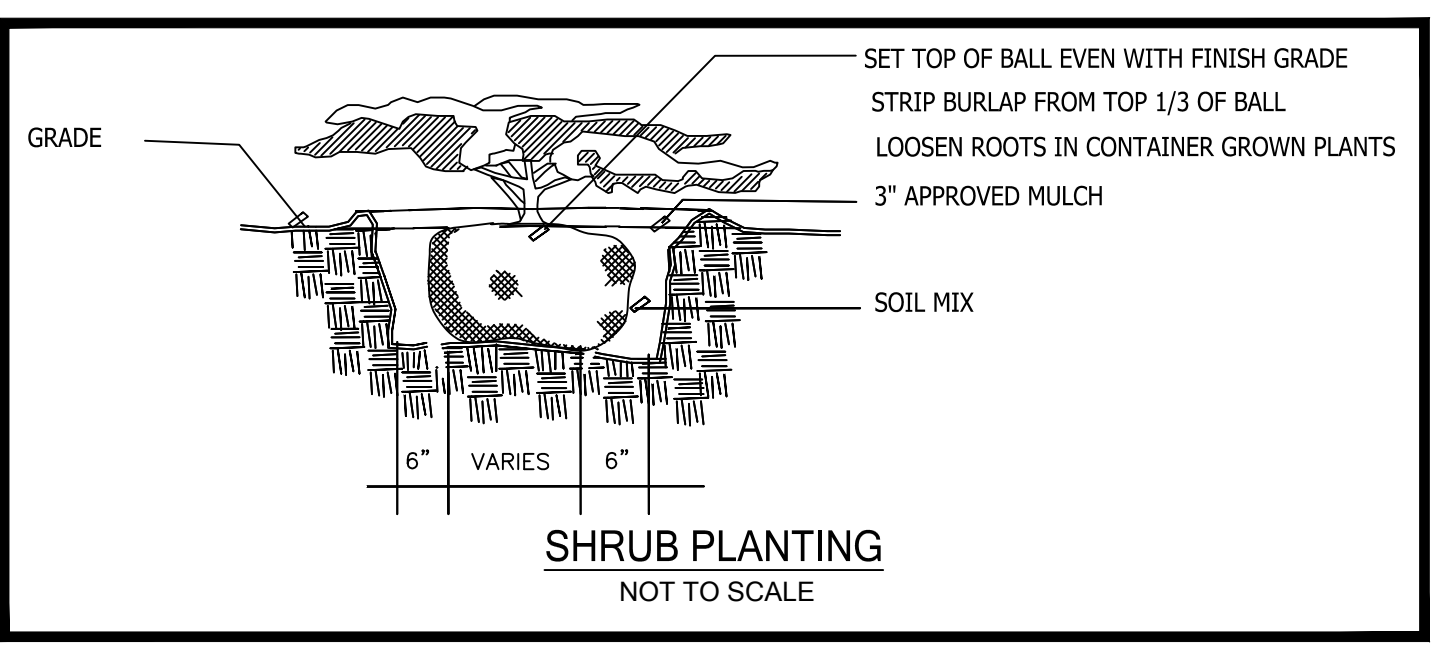
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PLANT LIST

KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE, ROOTS, REMARKS
AC	6	AMELANCHLER CANADENSIS	SHADBUSH	8'-10' TALL
1CA	9	CLETHRA ALNIFOLIA	SUMMERSWEET	18" - 24"
ISIB	17	IRIS SIBERICA (BLUE)	BLUE SIBERIAN IRIS	CLUMPS

*ALL PLANTINGS SHALL BE NON-INVASIVE SPECIES AND SHALL BE NATIVE PLANTINGS.



Revisions

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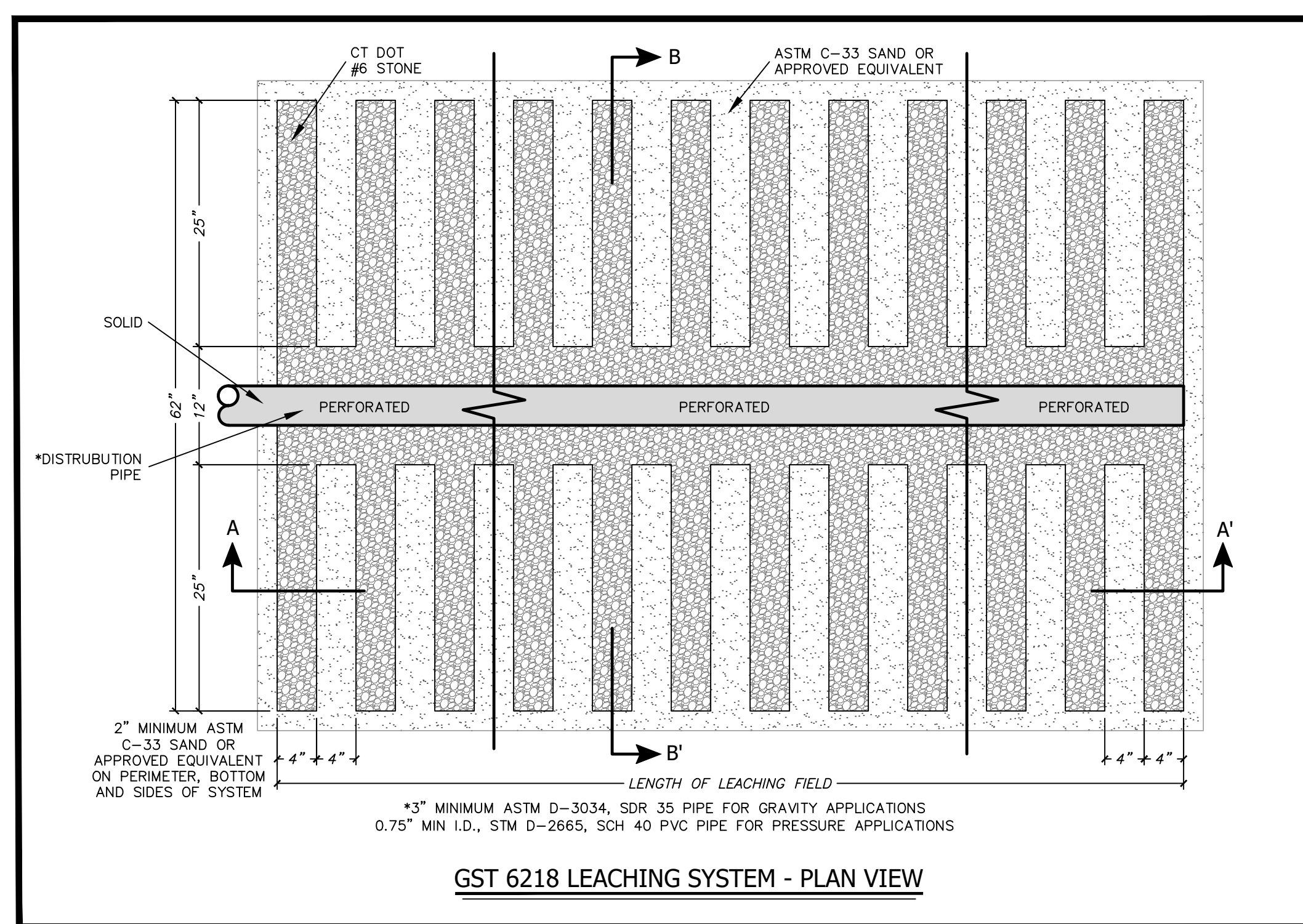
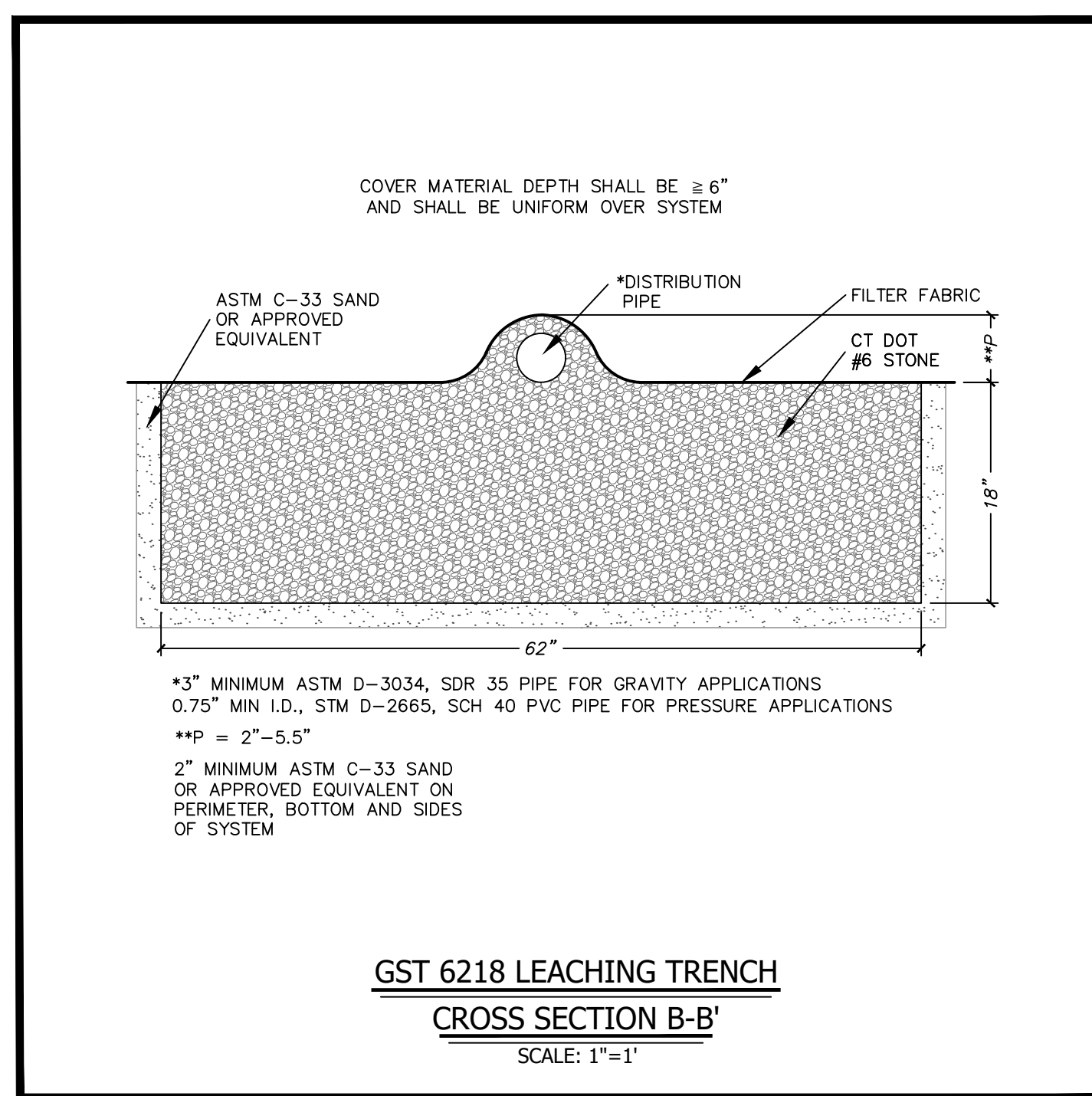
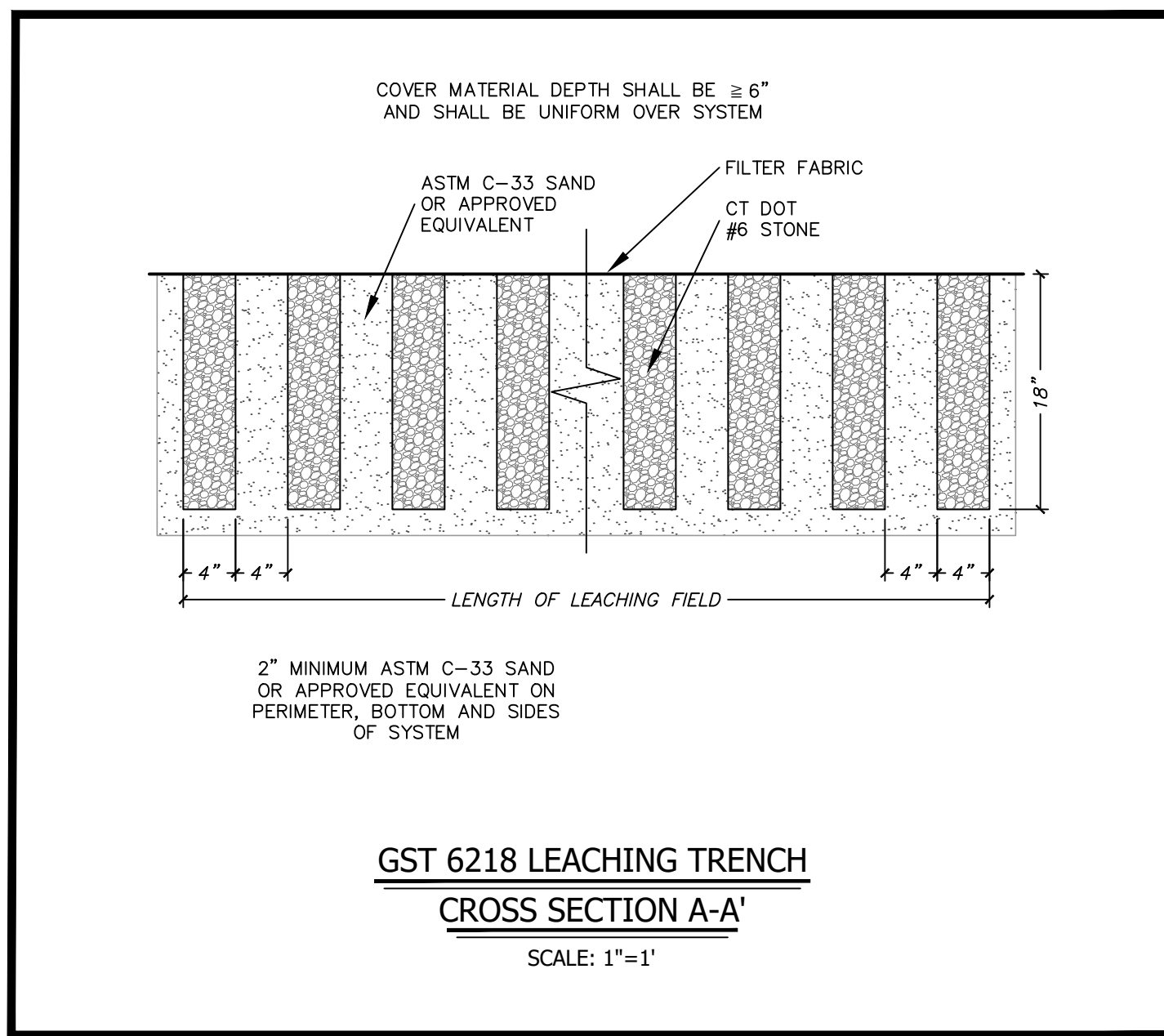
Landscape Plan
of
Lot 2 - Foster Lane
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Prepared For:
Bevon Semple
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DRAWING SCALE: 1"=20'
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Gregg T. Fedus P.E.
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NOTES - SEPTIC SYSTEM

- PROPOSED CONSTRUCTION TO CONFORM TO THE LATEST REVISION OF THE STATE OF CONNECTICUT PUBLIC HEALTH CODE.
- TOPOGRAPHIC INFORMATION TAKEN FROM CT ENVIRONMENTAL CONDITIONS ONLINE LIDAR DATA.
- ENGINEER AND SANITARIAN WILL BE CONTACTED IF SOIL CONDITIONS OTHER THAN THOSE SHOWN ON PLAN ARE ENCOUNTERED AND WORK WILL BE HALTED PENDING REVIEW OF THOSE CONDITIONS.
- ELEVATIONS SHOWN REFER TO THE INVERT (FLOW LINE) OF THE PROPOSED LEACHING SYSTEM UNLESS NOTED OTHERWISE.
- SEPTIC TANK CONSTRUCTION JOINTS SHALL BE SEALED WITH ASPHALT CEMENT. ALL PIPE CONNECTIONS TO THE SEPTIC TANK AND DISTRIBUTION BOXES SHALL BE SEALED WITH A POLYETHYLENE GASKET ("POLYLOK" OR APPROVED EQUAL).
- SEPTIC TANK Baffles SHALL CONFORM TO TECHNICAL STANDARDS OF THE PUBLIC HEALTH CODE.
- SEPTIC TANKS SHALL HAVE AN APPROVED NON-BYPASS EFFLUENT FILTER AT THE OUTLET.
- SEPTIC TANK SHALL BE TWO COMPARTMENT TANK WITH HEAVY DUTY STEEL HANDLES FOR MANHOLE ACCESS COVERS AND GAS Baffles INSTALLED AT OUTLET PIPING. TANKS TO BE WATER TIGHT.
- ALL PIPES UPSTREAM OF THE SEPTIC TANK SHALL BE 4" DIAMETER SCH 40 ASTM D1785 OR D2665. ALL PIPES DOWNSTREAM OF THE SEPTIC TANK SHALL BE 4" DIAMETER SDR 35 ASTM D3034.
- NO DEVIATIONS FROM THE APPROVED DESIGN PLAN SHALL BE ALLOWED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER AND SANITARIAN.
- EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO FIELD MODIFICATION AS REQUIRED BY THE DESIGN ENGINEER OR TOWN OFFICIALS TO INCREASE EROSION AND SEDIMENT CONTROL MEASURES.
- ALL FILTER FABRIC SHALL BE 1.5 OZ./YD. (ASTM D-5261), PERMEABILITY OF 1.0 SEC. (ASTM D-4491) AND A TRAPEZOID TEAR OF 15 LBS. (ASTM D-4533) OR EQUAL.
- ALL DISTURBED AREAS SHALL BE TOPSOILED AND TURF ESTABLISHED.
- BUILDINGS HAVE NO GARBAGE GRINDERS, OR LARGE TUBS OVER 100 GALLONS.
- NO FOOTING DRAINS SHALL BE INSTALLED WITHIN 25' OF PROPOSED SEPTIC SYSTEM.
- LICENSED SURVEYOR TO STAKE SYSTEM. LICENSED SEPTIC INSTALLER TO DO SITE PREPARATION WORK. BENCH MARK TO BE SET IN FIELD.
- NO WORK (OTHER THAN TREE CLEARING) SHALL COMMENCE IN THE SYSTEM AREA UNTIL A SEPTIC PERMIT HAS BEEN TAKEN OUT BY THE LICENSED INSTALLER.
- STRIP INSPECTIONS SHALL BE DONE BY BOTH THE ENGINEER AND SANITARIAN.
- SYSTEM AREA SHOULD BE RE-STRIPPED AND REFILLED PRIOR TO START OF CONSTRUCTION TO PREVENT HEAVY EQUIPMENT COMPACTION FROM DRIVEWAY.
- A RISER IS REQUIRED FOR SEPTIC TANKS WITH 12" OR MORE OF COVER.

SYSTEM SITE PREPARATION

- A MINIMUM OF 24 HOURS, BUT PREFERABLY 48 HOURS NOTICE SHALL BE GIVEN BY THE INSTALLER TO THE ENGINEER AND SANITARIAN BEFORE ANY STRIPPING IS DONE FOR THE SYSTEM.
- THE LICENSED INSTALLER SHALL BE ON SITE DURING SYSTEM CONSTRUCTION WORK WILL BE STOPPED BY THE HEALTH DEPARTMENT IF THIS REQUIREMENT IS NOT COMPLIED WITH.
- NO SYSTEM IS TO BE BACKFILLED UNTIL THE SANITARIAN HAS GIVEN THE OK. THE OK WILL NOT BE GIVEN UNTIL THE ENGINEER HAS PROVIDED WRITTEN OR VERBAL COMMUNICATION THAT THE SYSTEM IS INSTALLED IN COMPLIANCE WITH THE HEALTH CODE AND THEIR DESIGN, OR WITH ACCEPTABLE MODIFICATIONS.

EROSION CONTROL

- PURPOSE**
ALL CONSTRUCTION ACTIVITIES INVOLVING THE REMOVAL OR DISTURBANCE OF SOILS ARE TO BE PROVIDED WITH APPROPRIATE PROTECTIVE MEASURES TO MINIMIZE EROSION AND CONTAIN SEDIMENT DISPOSITION WITHIN THE AREA UNDER DEVELOPMENT. THE MINIMUM STANDARD FOR INDIVIDUAL MEASURES SHALL BE THOSE OUTLINED IN THE 'CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL 2002 EDITION AS AMENDED TO DATE. THOSE METHODS DEEMED MOST EFFECTIVE FOR THIS PROJECT ARE DESCRIBED HEREIN.
- INSTALLATION REQUIREMENTS**
 - OTHER THAN CONSTRUCTION SPECIFICALLY SHOWN ON THESE APPROVED PLANS, NO ACTIVITIES SHALL BE CONDUCTED WITHIN DESIGNATED WETLAND AREAS, WATERCOURSES, FLOOD PLAINS OR WITHIN CHANNEL ENCROACHMENT LINES WITHOUT THE PRIOR APPROVAL OF THE TOWN PLANNING AND ZONING COMMISSION AND INLAND WETLANDS COMMISSION.
 - WHERE FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED.
 - ONLY THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME DURING CONSTRUCTION.
 - PRIOR TO THE START OF CONSTRUCTION, TEMPORARY BALED HAY EROSION CHECKS, SEDIMENTATION FENCES AND OTHER APPROVED SEDIMENT CONTROL MEASURES SHALL BE IN PLACE WHERE SHOWN ON THESE PLANS AND AT OTHER LOCATIONS WHERE DEEMED NECESSARY.
 - WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE PERIOD OF EXPOSURE SHALL BE KEPT TO A MINIMUM. INSTALLING PERMANENT AND FINAL VEGETATION, STRUCTURES, ETC. AT THE EARLIEST POSSIBLE OPPORTUNITY.
 - CONSTRUCTION EQUIPMENT SHALL NOT UNNECESSARILY CROSS LIVE STREAMS EXCEPT BY MEANS OF BRIDGES, CULVERTS OR OTHER APPROVED MEANS.
 - ALL TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL REMAIN IN PLACE AND BE MAINTAINED REGULARLY IN PROPER FUNCTIONING CONDITION. UNTIL ALL AREAS EXPOSED DURING SITE CONSTRUCTION HAVE BEEN SUITABLY STABILIZED WITH PAVEMENT, PERMANENT STRUCTURES AND/OR FINAL VEGETATIVE COVER.
 - ADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SURFACE WATER FROM DAMAGING THE CUT FACE OF EXCAVATIONS OR THE SLOPING SURFACES OF FILLS.
 - FILL SHALL BE PLACED AND COMPACTED SO AS TO MINIMIZE SLIDING OR EROSION OF THE SOIL.

INSTALLATION NOTES

- LAYOUT SYSTEM.
- PREPARE SITE AND REMOVE ANY TREES WITH A DRIP LINE FALLING WITHIN 10 FEET OF THE LEACHING SYSTEM.
- EXCAVATE TRENCH TO A DEPTH THAT IS AT LEAST 2" BELOW THE BASE ELEVATION OF THE GST TO ACCOMMODATE A MINIMUM OF 2" OF SAND. TRENCH WIDTH SHOULD BE A MINIMUM OF 45" FOR THE GST 37 SERIES AND 70" FOR GST 62 SERIES.
- RAKE/SCARIFY SIDEWALLS AND BOTTOM OF TRENCH TO ADDRESS ANY SMEARING OF FINES, AND THEN DO NOT WALK IN TRENCH BOTTOM.
- PLACE A MINIMUM OF 2" OF ASTM C-33 SAND OR APPROVED EQUIVALENT (SAND) IN THE BOTTOM OF THE EXCAVATION TO SERVE AS BASE FOR GST, RAKE AND LEVEL AND UNIFORMLY COMPACT. IF A 2" LIFT OF SAND IS PRESENT SIMPLY WALKING ON IT SHOULD PROVIDE SUFFICIENT COMPACTION.
- SET THE GST FORMS IN CENTER OF TRENCH.
- PLACE COVERS OVER ENTIRE CENTER STONE CHANNEL AND ALTERNATING STONE FINGER COMPARTMENTS.
- PLACE SAND INTO VOID SPACE BETWEEN TRENCH SIDEWALL AND GST FORM. ALSO FILL THE SAND FINGER VOIDS IN THE FORMS AND UNIFORMLY COMPACT.
- REMOVE ALL COVERS FROM OVER ENTIRE CENTER STONE CHANNEL AND STONE FINGER COMPARTMENTS.
- PLACE CLEAN CT DOT #6 (3/4") STONE INTO THE INTERIOR OF THE GST FORM.
- PULL FIRST GST FORM AND "LEAP FROG" FORM AHEAD OF THE LAST GST FORM.
- REPEAT SEQUENCE UNTIL DESIRED TRENCH LENGTH IS INSTALLED.
- ENSURE THAT SAND AND BACKFILL MATERIALS ARE COMPACTED TO PREVENT SETTLEMENT.
- INSTALL APPROVED DISTRIBUTION PIPING ON TOP OF THE 12" CENTRAL STONE CHANNEL.
- PLACE STONE AROUND THE DISTRIBUTION PIPE.
- PUT APPROVED FILTER FABRIC OVER THE SYSTEM.
- BACKFILL SYSTEM TO ENSURE THAT UNIFORM COVER AND COMPACTION EXISTS OVER THE TOP OF THE SYSTEM (A MINIMUM OF 6" OF COVER IS REQUIRED). WHEN GST IS INSTALLED BELOW AREAS SUBJECT TO H-20 LOADING, SEE NOTE BELOW.
- FINISH GRADE OVER THE SYSTEM SHOULD ENSURE THAT STORM WATER SHEET FLOW IS DIVERTED AWAY FROM THE LEACHING SYSTEM, TANK(S) AND PUMP TANK(S) IF PRESENT.
- SEED AND HAY DISTURBED AREA. THE USE OF WOOD CHIPS AS COVER MATERIAL IS NOT RECOMMENDED.
- MAINTAIN THE AREA TO PREVENT TREE ROOTS FROM IMPACTING THE SYSTEM.
- PROPERLY SERVICE THE SEPTIC TANK EVERY 3-5 YEARS; OR AS ADVISED BY THE REGULATORY AGENCY OR YOUR SERVICE PROVIDER.

SOIL EROSION AND SEDIMENT CONTROL PLAN NARRATIVE

THE SITE CONTRACTOR MUST FOLLOW ALL GUIDELINES SET FORTH IN THE MANUAL ENTITLED "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION. THIS MANUAL IS ALSO KNOWN AS DEP BULLETIN 34. IN ADDITION THE SITE CONTRACTOR MUST FOLLOW THE TOWN'S ZONING AND SUBDIVISION REGULATIONS, TOWN EMERGENCY STANDARDS AND SPECIFICATIONS, CTDOT FORM 816 WHERE APPLICABLE.

LAND DISTURBANCE

- ALL EXISTING VEGETATION OUTSIDE OF THE CLEARING LIMITS SHALL BE PROTECTED. EXISTING VEGETATION SHALL BE REMOVED ONLY IN AREAS NECESSARY FOR SITE CONSTRUCTION ACTIVITIES. ANY ADDITIONAL CLEARING OUTSIDE OF THE PROPOSED CLEARING LIMITS SHALL BE APPROVED BY TOWN STAFF PRIOR TO CLEARING, AS APPLICABLE.
- ALL AREAS SHALL REMAIN UNDISTURBED UNTIL IMMEDIATELY PRIOR TO SITE DEVELOPMENT.
- ALL CONSTRUCTION EQUIPMENT, MATERIALS AND STOCKPILES SHALL NOT BE PLACED OUTSIDE OF THE DISTURBED AREAS.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR THE CLEANING OF ANY NEARBY STREETS, AS ORDERED BY THE TOWN OR STATE, OF ANY SOIL OR DEBRIS FROM THE SITE CONSTRUCTION ACTIVITIES.
- ALL TREES, BRUSH, STUMPS, WOOD CHIPS OR OTHER ORGANIC MATTER SHALL BE DISPOSED OF PROPERLY OFF-SITE. WOOD CHIPS MAY BE USED AS A SILTATION BARRIER DURING CONSTRUCTION AND SPREAD AFTER SITE IS STABILIZED. NO ORGANIC MATTER INCLUDING TREES, BRUSH AND STUMPS SHALL BE BURIED ON-SITE.

STRIPPING AND STOCKPILING

ALL STOCKPILES THAT CONSIST OF ERODIBLE MATERIALS SHALL BE LOCATED WITHIN AREAS AS SHOWN ON THE SITE PLAN AND SURROUNDED BY A SILTATION BARRIER. ANY STOCKPILE THAT WILL REMAIN UNDISTURBED FOR A PERIOD LONGER THAN 30 DAYS SHALL BE SEED WITH A TEMPORARY GRASS SEED MIXTURE TO PREVENT EXCESSIVE EROSION AND SEDIMENTATION.

TRENCH EXCAVATION AND BACKFILL

THE CONTRACTOR SHALL PROPERLY MAINTAIN ALL BACKFILLED EXCAVATIONS. ANY DEPRESSIONS DUE TO SETTLING IN THESE AREAS SHALL BE FILLED AND RESEDED AS NECESSARY.

THE WIDTH OF ALL EXCAVATED TRENCHES SHALL BE KEPT AS NARROW AS PRACTICABLE TO ACCOMMODATE THE WORK. ALL MATERIALS EXCAVATED FROM TRENCHES SHALL BE STOCKPILED AND USED AS TRENCH BACKFILL MATERIAL UNLESS IT IS DETERMINED TO BE UNSUITABLE BY THE ENGINEER. EXCESS MATERIALS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.

SOIL EROSION AND SEDIMENT CONTROLS

ALL ADJACENT PROPERTIES AND RECEIVING WATERCOURSES AND / OR WETLAND AREAS SHALL BE ADEQUATELY PROTECTED FROM SOIL EROSION AND SEDIMENTATION BOTH DURING AND AFTER CONSTRUCTION.

ALL CONSTRUCTION SITE RUNOFF SHALL BE ROUTED INTERNALLY TO STORMWATER MANAGEMENT AREA. SEDIMENT SHALL BE MONITORED, MAINTAINED AND REMOVED AFTER EACH STORM EVENT IN EXCESS OF 1" OF RAINFALL OR WHEN THE CAPACITY EXCEEDS 50% OF THE STORAGE VOLUME. EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER ALL RAINFALL EVENTS. E & S CONTROLS SHALL BE REPAIRED OR REPLACED AS NECESSARY WITHIN 24 HOURS THROUGHOUT THE CONSTRUCTION DURATION.

ADDITIONAL EROSION AND SEDIMENT CONTROLS MAY BE REQUIRED BY THE TOWN AND SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROLS BEFORE, DURING AND AFTER CONSTRUCTION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF ALL EROSION AND SEDIMENT CONTROLS ONCE THE SITE IS COMPLETELY STABILIZED.

ALL EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER ALL RAINFALL EVENTS. E & S CONTROLS SHALL BE REPAIRED OR REPLACED AS NECESSARY WITHIN 24 HOURS THROUGHOUT THE CONSTRUCTION DURATION.

ALL ACCUMULATED SEDIMENTS AT ALL EROSION AND SEDIMENT CONTROLS SHALL BE PERIODICALLY REMOVED AND SPREAD IN AREAS THAT ARE NOT SUBJECT TO EROSION.

THE PERMITTEE SHALL EMPLOY BEST MANAGEMENT PRACTICES, CONSISTENT WITH THE TERMS AND CONDITIONS OF THE INLAND WETLANDS PERMIT, TO CONTROL STORMWATER DISCHARGES AND TO PREVENT EROSION AND SEDIMENTATION AND TO OTHERWISE PREVENT POLLUTION OF WETLANDS OR WATERCOURSES. THE PERMITTEE SHALL IMMEDIATELY INFORM THE TOWN WETLANDS OFFICER OF ANY PROBLEMS INVOLVING WETLANDS OR WATERCOURSES THAT HAVE DEVELOPED IN THE COURSE OF, OR THAT ARE CAUSED BY, THE AUTHORIZED WORK.

THE RESPONSIBLE CONTACT PERSON FOR THE INSTALLATION AND MAINTENANCE OR EROSION AND SEDIMENTATION CONTROLS ON THIS PROJECT WILL BE THE SITE CONTRACTOR. THE CONTACT INFORMATION FOR THE CONTRACTOR WILL BE MADE AVAILABLE TO THE TOWN AS SOON AS IT IS AVAILABLE.

VEGETATIVE TURF ESTABLISHMENT PROCEDURE

SCARIFY ALL AREAS TO BE TOPSOILED AND SEEDED. APPLY A MINIMUM OF 4 INCHES OF TOPSOIL ON ALL AREAS TO BE SEEDED. APPLY GRASS SEED, LIME, FERTILIZER AND MULCH ACCORDING TO THE FOLLOWING SCHEDULE:

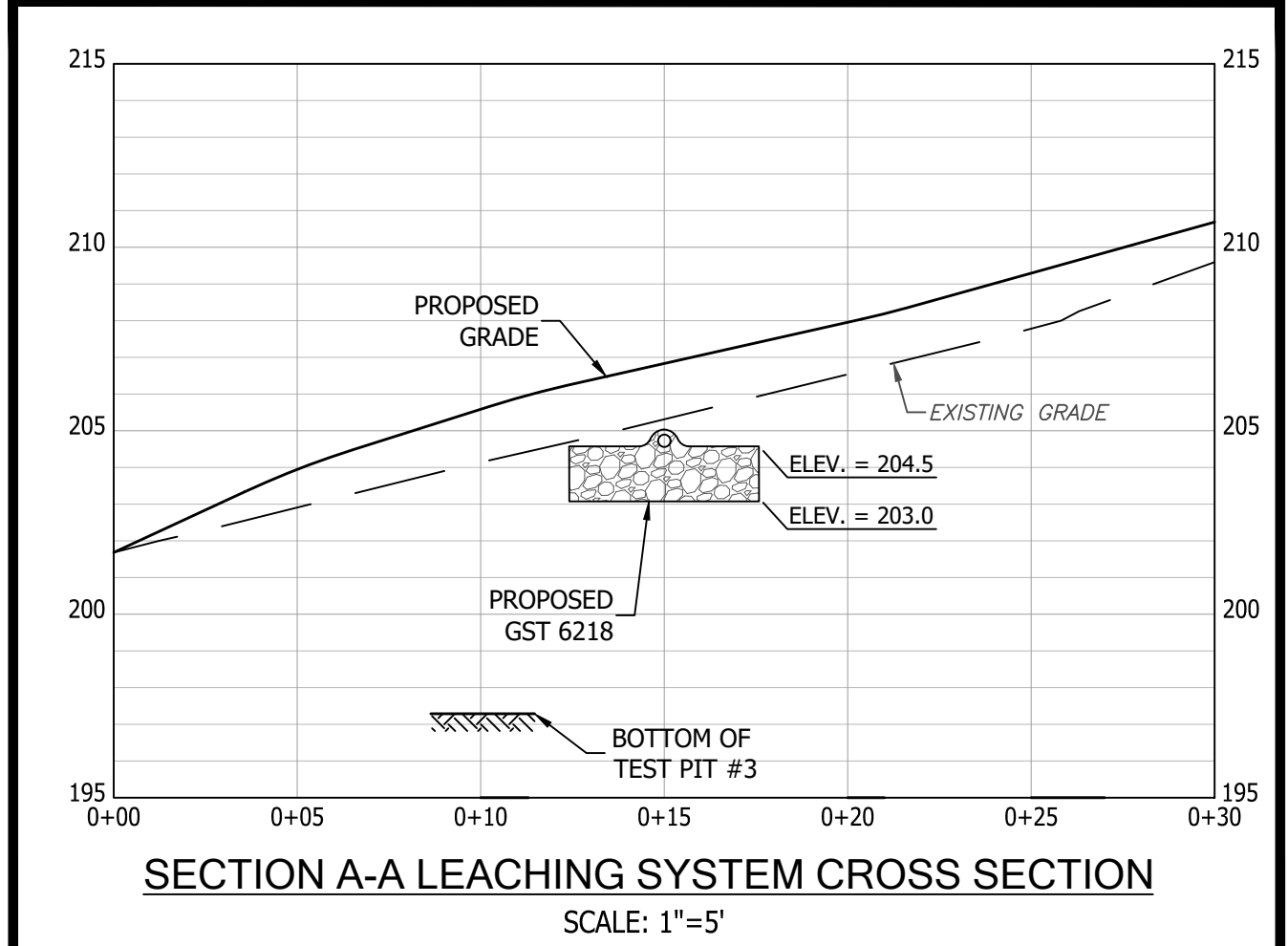
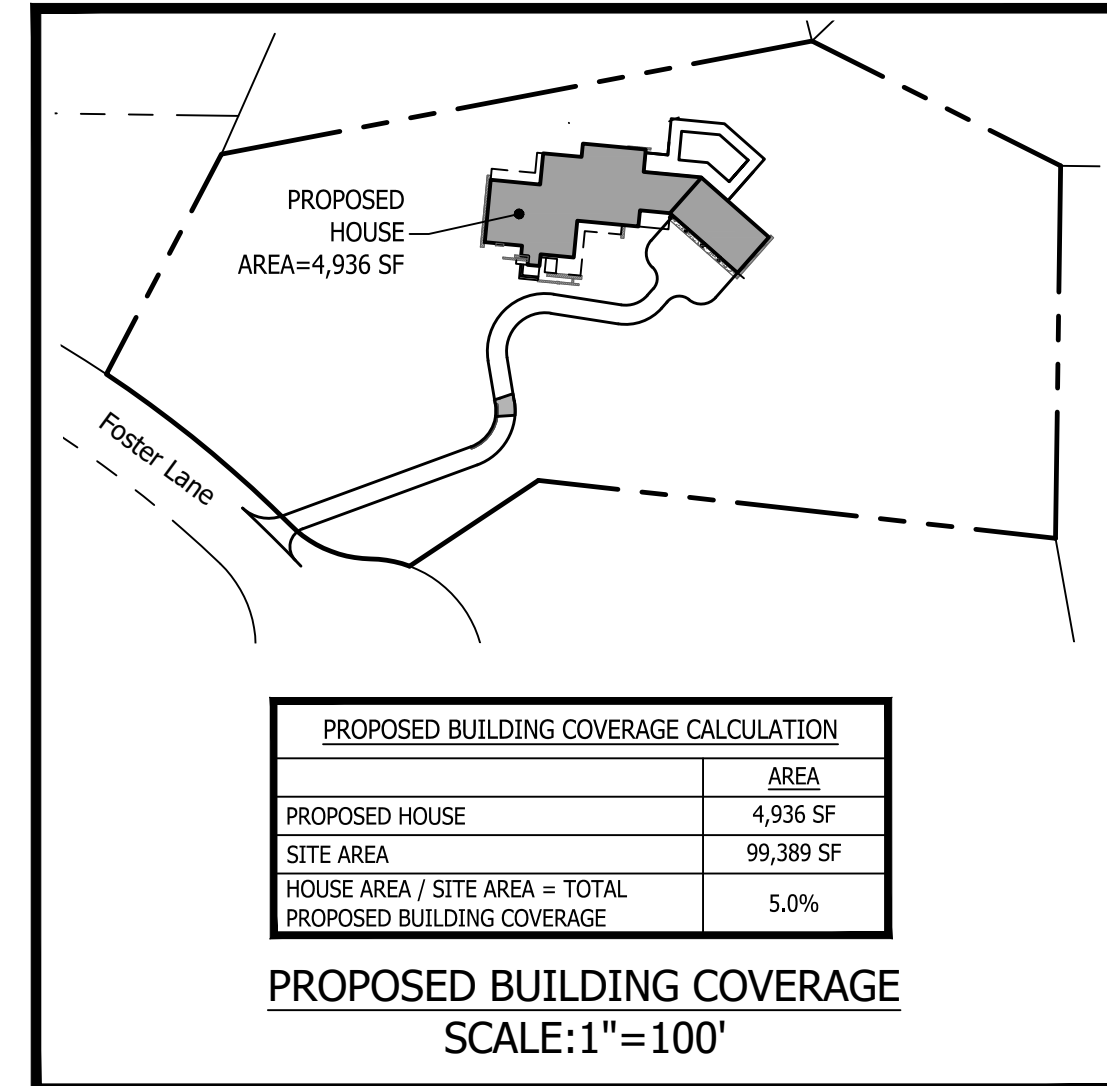
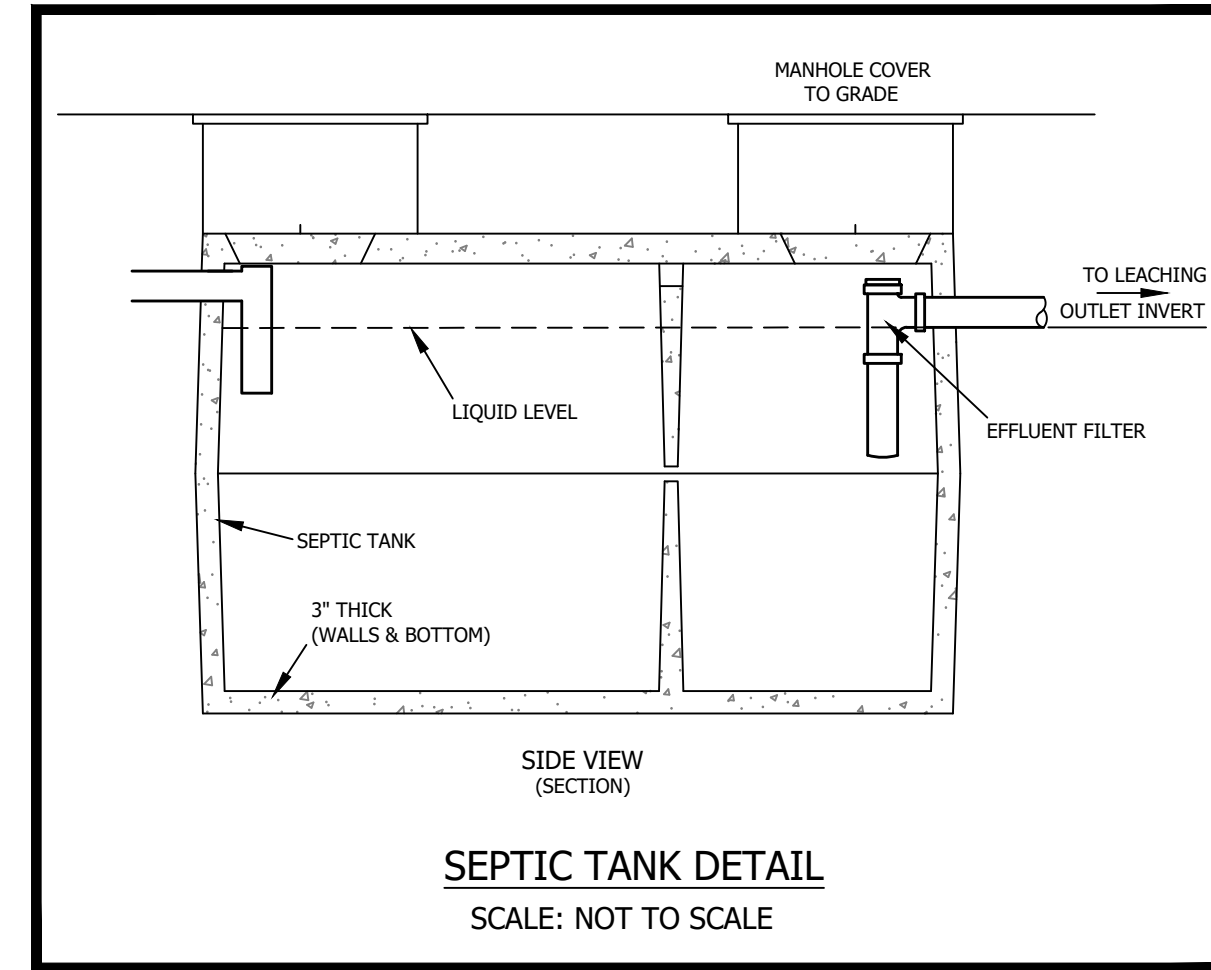
PERMANENT SEED MIXTURE:	2.4 LBS. PER 1,000 SQ. FT.
CREEPING RED FESCUE	0.2
REDTOP	0.2
TALL FESCUE	2.4
TOTAL	5.0

FERTILIZERS:
10-10-10 APPLY AT 7.5 LBS. PER 1,000 SQ. FT.

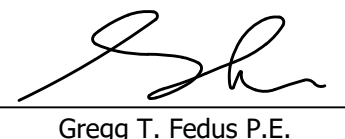
LIMESTONE:
APPLY AT 150 LBS. PER 1,000 SQ. FT.

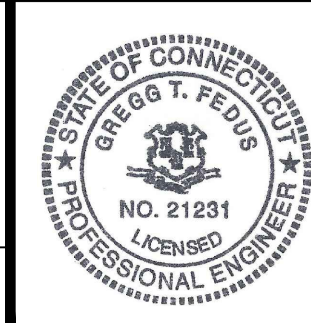
MULCHING:
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SEEDING DATES:
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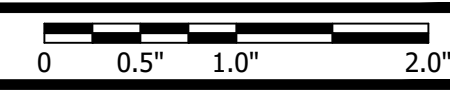



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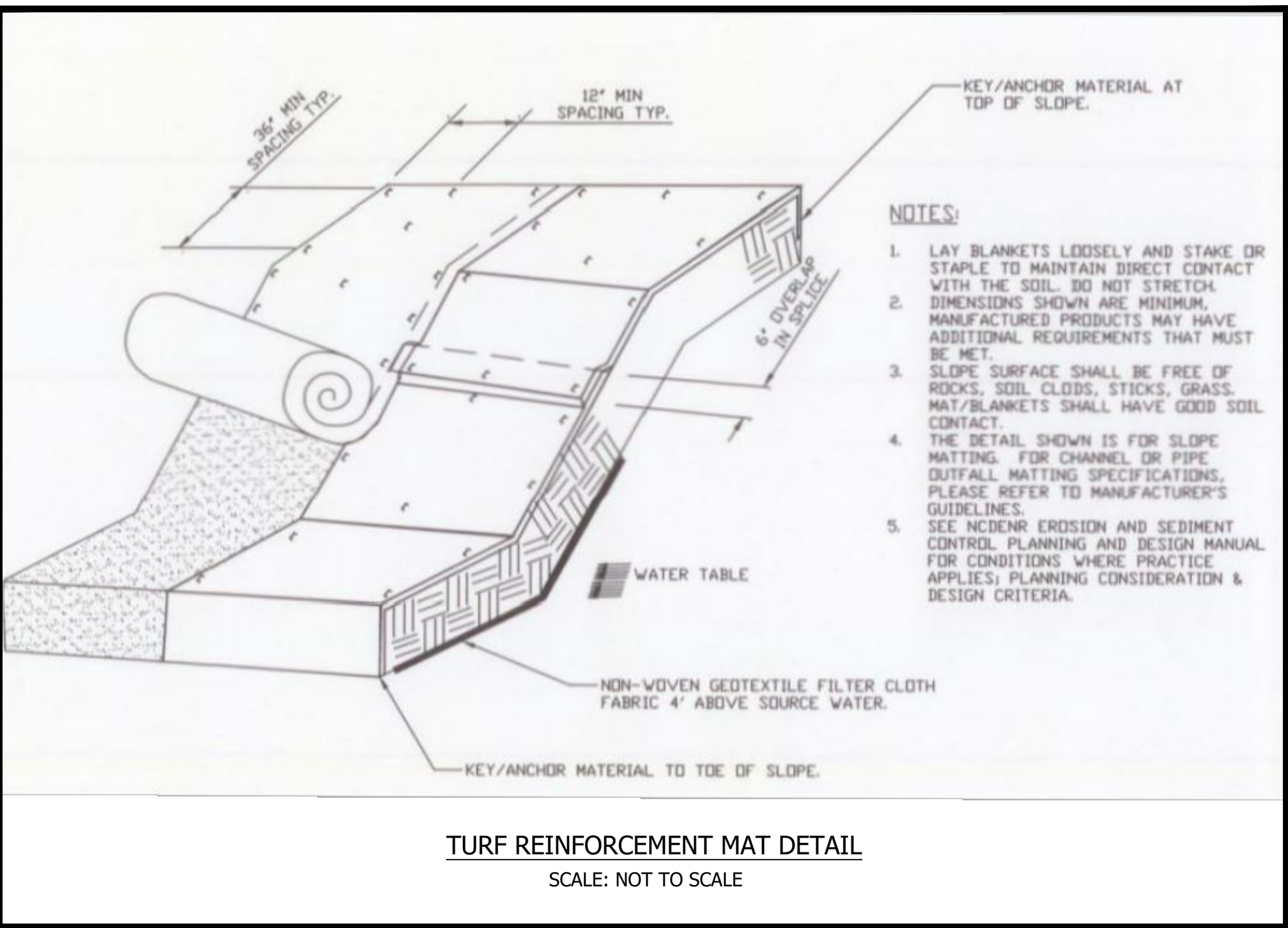
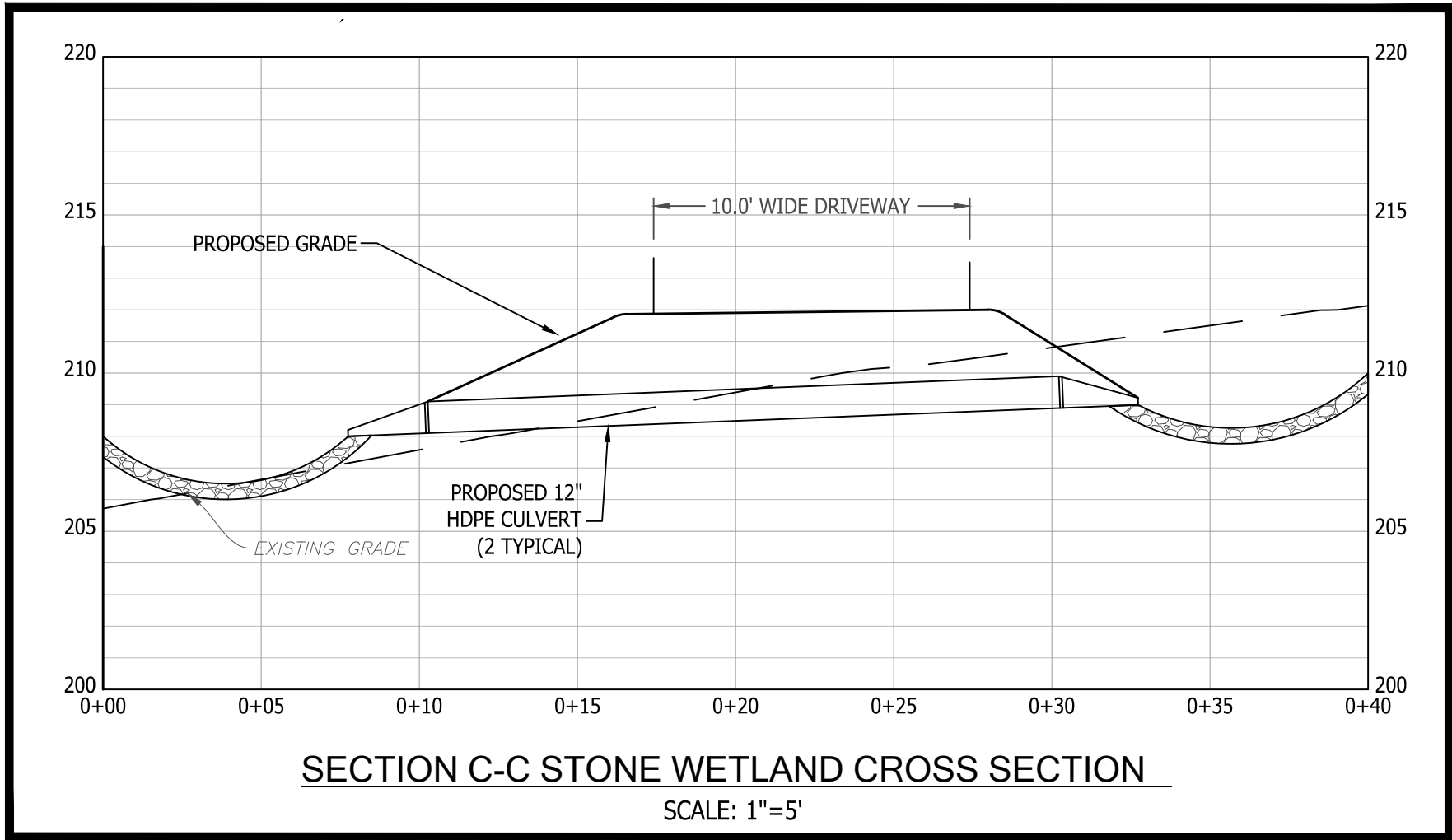
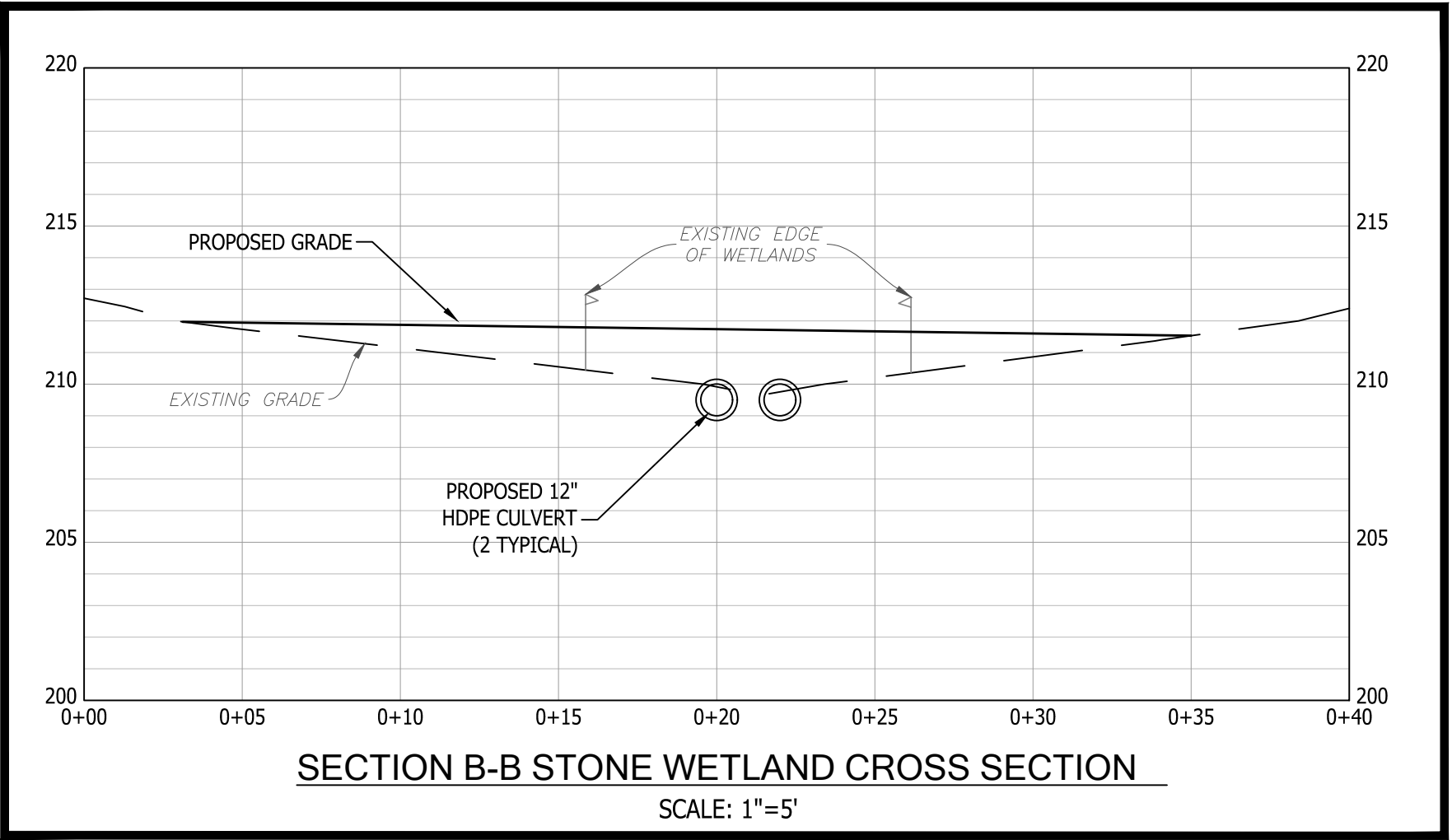
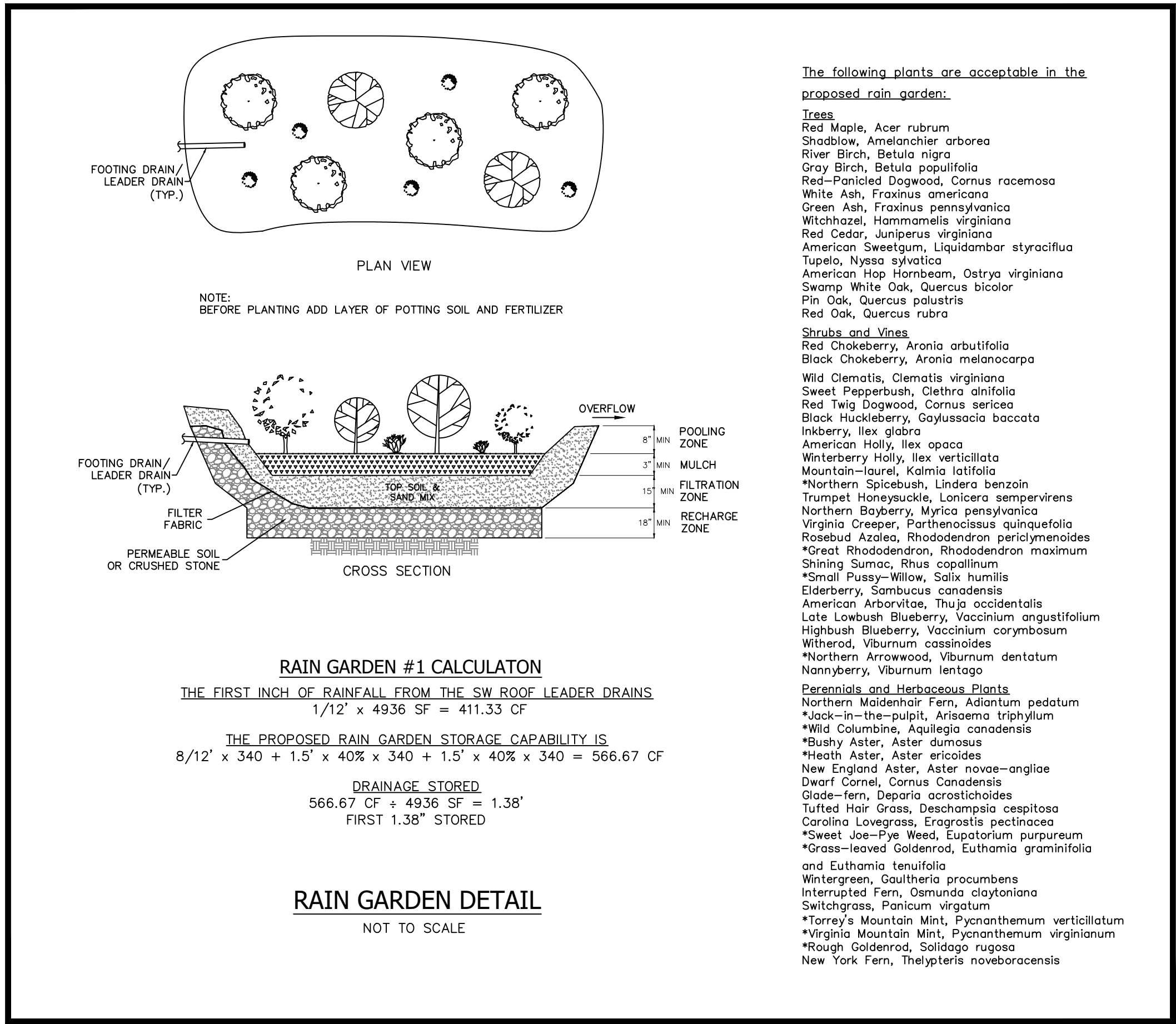


Detail Sheet
 of
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Ivoryton, Connecticut
 Prepared For:
Bevon Semple
 August 5, 2021

DRAWING SCALE: AS SHOWN 


FEDUS ENGINEERING, LLC
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 Mailing Address: 70 Essex Street Mystic, Connecticut 06355
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SHEET NO. 5 OF 6 JOB NO. 21-001010 DRAWN BY: CAC

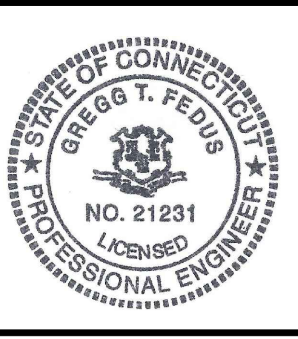


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