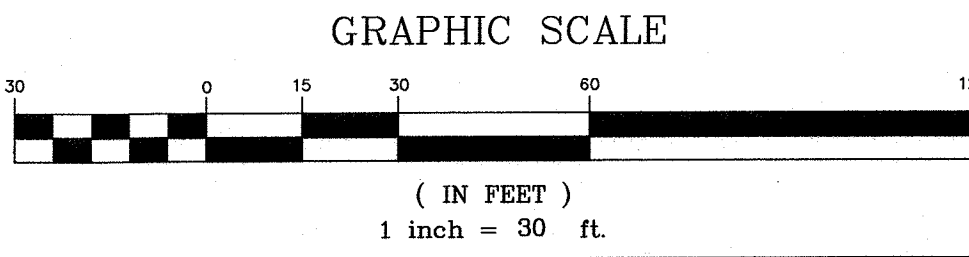


BULK REQUIREMENTS		
SR-2 ZONING DISTRICT		
(USE GROUP-SINGLE FAMILY DETACHED DWELLING)		
	MIN. REQUIRED	PROVIDED
LOT AREA (AC.)	1	>1
LOT WIDTH (FT.)	150	>150
FRONT YARD (FT.)	60	>60
SIDE YARD (FT.)	30	>30
BOTH SIDE YARDS (FT.)	60	>60
REAR YARD (FT.)	60	>60
MAX. PERMITTED		
BLDG. COVERAGE (%)	15	<15
BLDG. HEIGHT (FT.)	35	35

RECORD OWNER/APPLICANT
MEADOW HILL, LLC
P.O. BOX 1053
MONROE, NEW YORK 10956

PLAN INDEX	
SHEET NO.	DRAWING TITLE
1	COVER SHEET/SUBDIVISION PLAN
2	SUBDIVISION PLAT
3	EROSION CONTROL PLAN
4	EROSION CONTROL & SITE DETAILS
5	SANITARY & WATER SUPPLY DETAILS

- GENERAL NOTES:
- TAX MAP DESIGNATION: TOWN OF CHESTER, SECTION 15 BLOCK 1 LOT 24.
 - TOTAL AREA OF PARCEL: 4.8± ACRES.
 - TOTAL NUMBER OF RESIDENTIAL LOTS PROPOSED: 3.
 - PROPOSED USE: SINGLE FAMILY DETACHED DWELLINGS.
 - PARCEL IS LOCATED WITHIN THE SR-2 ZONING DISTRICT.
 - PARCEL IS LOCATED WITHIN THE MONROE WOODBURY SCHOOL DISTRICT.
 - ALL LOTS TO BE SERVED BY INDIVIDUAL WELLS AND SEPTICS.
 - ALL UTILITY SERVICE TO THE SITE SHALL BE UNDERGROUND.
 - A FIELD SURVEY WAS COMPLETED ON MARCH 28, 2019 BY NORTH COUNTRY ECOLOGICAL SERVICES AND HAS DETERMINED THAT THERE ARE NO A.C.O.E. JURISDICTIONAL WETLANDS ONSITE.
 - A TIME OF YEAR RESTRICTION FOR TREE REMOVAL BETWEEN NOVEMBER 1ST AND MARCH 31ST IS TO BE IMPLEMENTED FOR THE PROJECT TO AVOID IMPACTS TO THE INDIANA BAT.
 - VERIFICATION OF MINIMUM 25' R.O.W. DEDICATION FROM CENTERLINE OF CAMP MONROE ROAD AND PICKEREL ROAD TO BE PROVIDED PRIOR TO PLANNING BOARD SIGNATURE.
 - ALL LOTS TO HAVE DEED RESTRICTIONS WITHIN 25' OF STREAM. THESE RESTRICTIONS TO INCLUDE THAT ALL AREAS TO REMAIN IN NATURAL STATE.
 - A 30' WIDE EASEMENT FROM CENTERLINE OF STREAM IS TO BE PROVIDED AND OFFERED TO THE TOWN OF CHESTER.



- CONSTRUCTION NOTES:
- CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES AND VERIFY ALL LOCATIONS, ELEVATIONS, INVERTS, ETC. PRIOR TO ANY CONSTRUCTION AND NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES ON THIS PLAN.
 - CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND HAVE UTILITIES FIELD LOCATED BY RESPECTIVE UTILITY COMPANIES AND SHALL ASSUME FULL RESPONSIBILITY AND SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING CONTINUOUS UTILITY SERVICE AND REPAIRS TO ANY DAMAGE.
 - PROJECT SAFETY AND TRAFFIC MAINTENANCE ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 - CONTRACTOR TO COORDINATE WITH ALL COMPANIES TO ASSURE ADEQUATE SUPPLY AND SCHEDULING OF NEW SERVICE, WHERE REQUIRED, TO FIT THE CONSTRUCTION SCHEDULING AND SEQUENCE TO ASSURE NO DAMAGE OR DISTURBANCE TO EXISTING SERVICES.

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-CALL TOLL FREE 1-800-962-7962
-NY INDUSTRIAL CODE RULE 75.3 REQUIRES NO LESS THAN TWO WORKING DAYS NOTICE, BUT NOT MORE THAN TEN DAYS NOTICE.
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10-8-19 AS PER 10-2-19 PLANNING BOARD MEETING CJP
8-14-19 AS PER 8-5-19 PUBLIC HEARING COMMENTS CJP
6-14-19 UPDATE SEPTIC DESIGN CJP
5-20-19 AS PER PB ENG LETTER DATED 4-22-19 & PB MEETING 5-2-19 JUP
4-12-19 UPDATE PLAN AS PER WL CONST. SOILS TESTS JUP
10-10-18 SKETCH PLAN PREPARATION DATE JUP

DATE	DESCRIPTION	INITIALS
00/00/00	INITIALS BY: --	--

MAP CHECK DATE: 00/00/00

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
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2 HAMILTON AVENUE MONTICELLO, NEW YORK 12701 (845) 796-6446

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MICHAEL T. COUGHLIN P.L.S. LICENSE NO. 050323
VINCENT A. PIETRZAK P.E., P.L.S., LEED® P.E. LICENSE NO. 078598 P.L.S. LICENSE NO. 050076 N.Y.P.L.S. LICENSE NO. 35396

SIGNATURE _____ DATE _____

LANDS OF MEADOW HILL
MINOR SUBDIVISION
TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK

PROJECT TITLE
**COVER SHEET/
SUBDIVISION PLAN**
SECTION 15 BLOCK 1 LOT 24

DRAWING TITLE
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.

O.C.H.D. SHEET NO.	D.E.C. SHEET NO.	DRAWING NUMBER
N/A. OF N/A.	N/A. OF N/A.	1 OF 5

SCALE	CAD REFERENCE	PROJECT NUMBER
1"=30'	18121-WORK-6-14-19	18121.01

BULK REQUIREMENTS
SR-2 ZONING DISTRICT
(USE GROUP-SINGLE FAMILY DETACHED DWELLING)

	MIN. REQUIRED	PROVIDED
LOT AREA (AC.)	1	>1
LOT WIDTH (FT.)	150	>150
FRONT YARD (FT.)	60	>60
SIDE YARD (FT.)	30	>30
BOTH SIDE YARDS (FT.)	60	>60
REAR YARD (FT.)	60	>60
MAX. PERMITTED		
BLDG. COVERAGE (%)	15	<15
BLDG. HEIGHT (FT.)	35	35

RECORD OWNER/APPLICANT
MEADOW HILL, LLC
P.O. BOX 1053
MONROE, NEW YORK 10956

SURVEY NOTES:

1. UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE N.Y.S. EDUCATION LAW.
2. ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S INKED SEAL OR HIS EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.
3. CERTIFICATIONS INDICATED HEREON SIGNIFY THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS. SAID CERTIFICATIONS SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED, AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNER.
4. UNDERGROUND IMPROVEMENTS OR ENCROACHMENTS, IF ANY, ARE NOT SHOWN HEREON.
5. CONTACT UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION AS UNDERGROUND IMPROVEMENTS MAY EXIST WHICH WERE NOT LOCATED AT THE TIME OF THIS SURVEY.
6. ALL INTERIOR FEATURES ARE NOT SHOWN HEREON.
7. SUBJECT TO AN UP TO DATE AND ACCURATE TITLE REPORT.
8. SUBJECT TO ANY EASEMENTS OR AGREEMENTS, IF ANY.
9. SUBJECT TO ANY RIGHTS, TITLE OR INTEREST BY OTHERS TO PROPERTY IN/AND OR ALONG THE ROADWAYS SHOWN HEREON.
10. SUBJECT TO ANY RIGHTS, TITLE, EASEMENTS, OR INTEREST BY UTILITY COMPANIES TO UTILITIES RUNNING IN AND/OR ALONG SAID PARCELS.
11. TOPOGRAPHY AND SOME EXISTING FEATURES BASED ON AN AERIAL SURVEY PREPARED BY ROBINSON AERIAL SURVEYS, INC. ON JUNE 5, 2014.

DATE	DESCRIPTION	INITIALS
10-8-19	AS PER 10-2-19 PLANNING BOARD MEETING	CJP
8-26-19	AS PER 8-5-19 PUBLIC HEARING COMMENTS	CJP
6-14-19	UPDATE SEPTIC DESIGN	CJP
5-20-19	AS PER 5-16-19 MEETING 4-22-19 & 5-16-19 MEETING 5-2-19	JJP
4-12-19	UPDATE PLAN AS PER WL CONST. SOILS TESTS	JJP
10-10-18	SKETCH PLAN PREPARATION DATE	JJP
DATE	DESCRIPTION	INITIALS

MAP CHECK DATE: 00/00/00 INITIALED BY: --

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ENGINEERING & SURVEYING, PLLC
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MICHAEL F. CROGAN P.L.S. LICENSE NO. 050023
VINCENT A. PIETRZAK P.E. P.L.S. JEP@PFAU.COM
P.E. LICENSE NO. 076938 P.L.S. LICENSE NO. 050075
N.Y.P.L.S. LICENSE NO. 35396

SIGNATURE DATE

LANDS OF MEADOW HILL
MINOR SUBDIVISION

TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK

PROJECT TITLE

SUBDIVISION PLAT

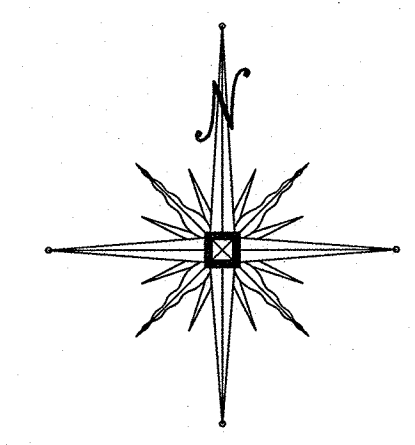
SECTION 15 BLOCK 1 LOT 24

DRAWING TITLE

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.

O.C.H.D. SHEET NO. D.E.C. SHEET NO. DRAWING NUMBER
N/A OF N/A N/A OF N/A 2 OF 5

SCALE CAD REFERENCE PROJECT NUMBER
1"=30' 18121-WORK-6-14-19 18121.01



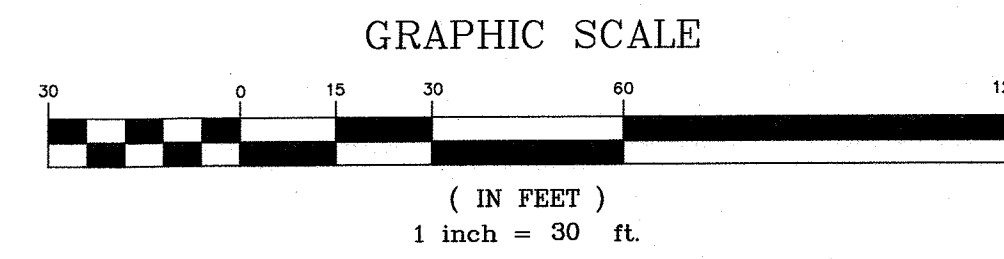
LEGEND:

- PROPOSED DWELLING
- PROPOSED WELL
- PROPOSED SDS
- PROPOSED PROP. LINE
- BUILDING SETBACK LINE
- EXISTING UTILITY POLE
- WETLAND LIMITS
- SLOPES > 30%
- EXISTING CONTOUR
- SOILS LINE

UFPO
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GENERAL NOTES:

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13. A 30' WIDE EASEMENT FROM CENTERLINE OF STREAM IS TO BE PROVIDED AND OFFERED TO THE TOWN OF CHESTER.

RESERVED FOR TOWN OF CHESTER PLANNING BOARD APPROVAL



BEFORE YOU DIG, DRILL OR BLAST!

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GRAPHIC SCALE



(IN FEET)
1 inch = 30 ft.

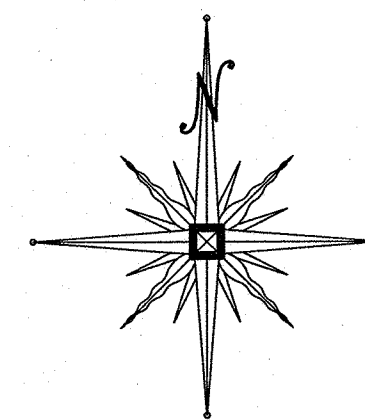


TABLE OF DISTURBANCE AREAS

LOT NO.	AREA OF DISTURBANCE
LOT 1	9,716 sq.ft.
LOT 2	9,384 sq.ft.
LOT 3	9,460 sq.ft.
TOTAL DISTURBANCE = 28,560 sq.ft. = 0.66 acres	

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DATE	DESCRIPTION	INITIALS

REVISIONS

MAP CHECK DATE: 00/00/00 INITIALED BY: --

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ENGINEERING & SURVEYING, PLLC
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VINCENT A. PIETRZAK P.L.S. LICENSE NO. 050075
N.Y.P.L.S. LICENSE NO. 36396

SIGNATURE DATE

LANDS OF MEADOW HILL
MINOR SUBDIVISION

TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK

PROJECT TITLE

EROSION CONTROL
PLAN
SECTION 15 BLOCK 1 LOT 24

DRAWING TITLE		
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE NYS STATE EDUCATION LAW.		
O.C.H.D. SHEET NO. N/A OF N/A	D.E.C. SHEET NO. N/A OF N/A	DRAWING NUMBER 3 OF 5
SCALE 1"=30'	CAD REFERENCE 18121-WORK-6-14-19	PROJECT NUMBER 18121.01

EROSION CONTROL SEQUENCE

MEASURES SHALL BE TAKEN TO PREVENT SOIL EROSION DURING PROJECT CONSTRUCTION. ALL FRESHLY DISTURBED AREAS THAT WILL REMAIN DISTURBED FOR MORE THAN A PERIOD OF FOURTEEN (14) DAYS SHALL BE STABILIZED BY TEMPORARY SEEDING AS INDICATED ON THE TEMPORARY SEEDING SCHEDULE. DISTURBED AREAS SHALL BE MINIMAL IN SIZE AND SHALL NOT EXCEED THE APPROVED CLEARING AND GRADING LIMITS. THE FOLLOWING MEASURES SHALL BE IMPLEMENTED AS CONSTRUCTION PROGRESSES.

- A. PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, THE LIMITS OF CLEARING AND GRADING SHALL BE MARKED. FILTER FABRIC SEDIMENTATION BARRIERS (SILT FENCE) SHALL BE PLACED ALONG THE DOWNGRADE PERIMETER OF THE SITE AND ANY OTHER AREAS WHERE SILT FENCE IS INDICATED AS TO BE INSTALLED "PRIOR TO CONSTRUCTION" ON THE APPROVED PLANS. INSTALLATION IS TO BEGIN AT THE DOWNSTREAM PORTIONS OF THE SITE THEN WORKING UPSTREAM.
- B. STABILIZED CONSTRUCTION ENTRANCES SHALL BE BUILT IN THE AREAS SHOWN ON THE APPROVED PLANS AND WHEREVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PUBLIC THROUGHFARE. STABILIZED ENTRANCES SHALL BE BUILT IN ACCORDANCE WITH THE STABILIZED CONSTRUCTION ENTRANCE DETAIL.
- C. UPON COMPLETION OF CLEARING AND GRUBBING ACTIVITIES, TOPSOIL SHALL BE STRIPPED AND STOCKPILED FROM ALL AREAS TO BE DISTURBED. STOCKPILED TOPSOIL SHALL BE STABILIZED BY TEMPORARY SEEDING AND SURROUNDED WITH A PERIMETER SILT FENCE.
- D. TEMPORARY EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMMENCING EARTH MOVING ACTIVITIES. THIS INCLUDES SEDIMENTATION TRAPS, TYPE "B" DIVERSION SWALES (WITH CHECK DAMS IF APPLICABLE) AND SILT FENCE IN AREAS NOT DESIGNATED TO BE GRADED. INSTALLATION SHALL BEGIN AT DOWNSTREAM PORTIONS OF THE SITE THEN WORKING UPSTREAM. INFILTRATION AND FILTERING PRACTICES, SUCH AS SAND FILTERS AND BIORETENTION PONDS SHALL NOT HAVE INFILTRATION AND FILTER MEDIA INSTALLED UNTILL ALL TRIBUTARY AREAS HAVE BEEN SUBSTANTIALLY STABILIZED.
- E. IMMEDIATELY AFTER COMPLETION OF ROUGH GRADING, REMAINING TEMPORARY EROSION CONTROL SHALL BE INSTALLED AS SPECIFIED ON THE APPROVED PLANS. THIS INCLUDES ANY REMAINING SILT FENCE AND TYPE "A" DIVERSION SWALES (WITH CHECK DAMS IF APPLICABLE). AREAS NOT REQUIRING FURTHER EARTHWORK SHALL BE FINE GRADED, TOPSOILED, AND STABILIZED AS EARLY AS POSSIBLE.
- F. ANY PROPOSED STORM DRAINAGE SHALL BE INSTALLED AND INCORPORATED INTO EROSION CONTROL AS SPECIFIED ON THE APPROVED PLANS. STORM DRAINAGE COMPONENTS SHALL BE PROTECTED FROM SILTATION AS INDICATED.
- G. UPON COMPLETION OF CONSTRUCTION ACTIVITIES, REMAINING AREAS SHALL BE FINE GRADED, TOPSOILED, AND STABILIZED. PERMANENT VEGETATION AND LANDSCAPING SHALL BE ESTABLISHED.
- H. TEMPORARY EROSION CONTROL DEVICES SHALL BE REMOVED ONCE UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED. REMOVAL OF TEMPORARY EROSION CONTROL DEVICES SHALL BEGIN WITH THE MOST UPSTREAM PORTIONS OF THE SITE THEN WORKING DOWNSTREAM.
- I. ALL NEWLY SEEDED VEGETATIVE COVER SHALL BE MAINTAINED. WASHOUTS OR POORLY GROWING AREAS SHALL BE CORRECTED AS THEY OCCUR.

GENERAL EROSION CONTROL NOTES

1. FILTER FABRIC IS TO BE MIRAFI 140 AS MANUFACTURED BY THE CELANESE CORPORATION OR APPROVED EQUAL. WHEREVER FEASIBLE, NATURAL VEGETATION SHOULD BE RETAINED AND PROTECTED.
2. ONLY THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT.
4. WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE EXPOSURE SHALL BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME.
5. ALL WORK SHALL BE IN ACCORDANCE WITH ALL OF THE ATTACHED DRAWINGS.

MAINTENANCE REQUIREMENTS

1. THE MAINTENANCE OF EROSION CONTROL DEVICES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE JOB SUPERINTENDENT WILL MONITOR THE CONDITION OF ALL THE DEVICES, CLEAN AND REPLACE STRUCTURES AS CLIMATIC CONDITIONS REQUIRE. THE DEVELOPER WILL ALSO BE SUBJECT TO THE DIRECTIVE OF THE DESIGN ENGINEER AND TOWN REPRESENTATIVES TO INCLUDE TOWN ENGINEER, HIGHWAY SUPERINTENDENT AND BUILDING INSPECTOR.
2. GENERAL CONTRACTOR AND ALL CONTRACTORS SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE APPROVED PLANS AND MAY BE SUBJECT TO ADDITIONAL EROSION CONTROL REQUIREMENTS AS CONDITIONS MAY ARISE IN THE FIELD OR AS DIRECTED BY THE DESIGN ENGINEER.
3. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES IN ACCORDANCE WITH THE APPROVED PLANS. MANUFACTURER'S RECOMMENDATIONS, AS DIRECTED BY THE DESIGN ENGINEER AND TOWN REPRESENTATIVES INCLUDING TOWN ENGINEER, HIGHWAY SUPERINTENDENT AND BUILDING INSPECTOR.
4. NO EROSION CONTROL STRUCTURES SHALL BE REMOVED UNTIL ALL WORK UPSTREAM THEREFROM HAS BEEN COMPLETED, INCLUDING STABILIZATION AND APPROVED BY THE DESIGN ENGINEER AND TOWN REPRESENTATIVES.
5. CONSTRUCTION ACTIVITIES TO BE LIMITED TO THE PERIOD OF 7:00 AM TO 7:00 PM.
6. ALL CONSTRUCTION EQUIPMENT SHALL HAVE PROPERLY SIZED MAINTAINED MUFFLERS.
7. ALL CONSTRUCTION EQUIPMENT SHALL BE TURNED OFF WHEN NOT IN USE.

SLOPE STABILIZATION, SEEDING METHOD & MULCHING

SLOPES OF 4:1 OR GREATER (HORIZONTAL-VERTICAL)

SLOPES SHALL BE HYDROSEEDING WITH THE MIXTURES AND RATES INDICATED IN THE PERMANENT SEEDING MIXTURE SCHEDULE. STRAW OR HAY MULCH SHALL BE APPLIED AT A RATE OF 2000 LBS/ACRE. STRAW OR HAY MULCH SHALL BE ANCHORED WITH BioD-Mesh60 NETTING AS MANUFACTURED BY RoLANKA INTERNATIONAL OR APPROVED EQUIVALENT. NETTING TO BE INSTALLED PER MANUFACTURER SPECIFICATIONS.

GENTLE SLOPES AND FLAT AREAS

AREAS SHALL BE SEEDED BY HYDROSEEDING OR BROADCASTING WITH THE MIXTURES AND RATES INDICATED ON THE PERMANENT SEEDING MIXTURE SCHEDULE. HYDROSEEDING AREAS SHALL BE MULCHED WITH A WOOD FIBER MULCH APPLIED AT A RATE OF 500 LBS/ACRES. BROADCAST AREAS SHALL BE MULCHED WITH HAY OR STRAW AT A RATE OF 2000 LBS/ACRE. AREAS SEEDED BY BROADCASTING SHALL BE LIGHTLY RAKED AND PACKED PRIOR TO PLACING MULCH.

STREAMS, DRAINAGE SWALES AND EMBANKMENTS

1. ALL CONSTRUCTION ACTIVITIES IN OR EXISTING AROUND DRAINAGE SWALES OR WETLANDS ARE TO BE PROVIDED WITH TEMPORARY EROSION CONTROL STRUCTURES AS SHOWN IN DETAIL, LOCATED IMMEDIATELY DOWNSTREAM FROM SUCH ACTIVITY. THESE STRUCTURES ARE TO BE IN PLACE AS SHOWN PRIOR TO THE START OF ANY UPSTREAM CONSTRUCTION ACTIVITY.
2. CONSTRUCTION EQUIPMENT SHALL NOT UNNECESSARILY CROSS LIVE STREAMS OR DRAINAGE SWALES EXCEPT BY MEANS OF BRIDGES AND CULVERTS OR OTHER APPROVED METHODS.
3. ALL EMBANKMENTS TO BE GRADED AND SEEDED IMMEDIATELY UPON BEING LAID BACK.
4. STABILIZATION OF THE SWALES WILL INCLUDE SEEDING AND STRAW MULCH ON SLOPES LESS THAN 5% AND JUTE NETTING OR EQUAL ON SLOPES EXCEEDING 5%.
5. TOPSOIL AND/OR EARTH STOCKPILE SHALL BE LOCATED OUTSIDE OF EXISTING DRAINAGE SWALES, WETLANDS AND ADJACENT AREAS. SILT FENCE WILL BE PLACED ALONG THE TOE OF THE PILES AND PILES SHALL RECEIVE TEMPORARY SEEDING.

SOIL RESTORATION NOTE:

TO INCREASE INFILTRATION OF STORM WATER AND IMPROVE DIRECT GROUNDWATER RECHARGE FROM RAIN EVENTS, SOIL RESTORATION PRACTICES, AS OUTLINED IN CHAPTER 5.1.6 OF THE NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUAL, SHOULD BE APPLIED TO THE SITE. AERATION AND DEEP RIPPING PROCEDURES SHALL BE AS DESCRIBED IN APPENDIX B OF SWPPP, AND SHALL BE APPLIED TO ALL FLAT TO MODERATELY SLOPED AREAS OF SOIL DISTURBANCE WHICH ARE PROPOSED TO REMAIN PERMANENT.

SEEDBED PREPARATION & AMENDMENTS

MODERATE TO STEEP SLOPES AND LOW MAINTENANCE AREAS

- SCARIFY SOIL TO DEPTH OF 4" TO 6" IF COMPACTED.
- REMOVED LARGE STONES AND STUMPS ALLOWING ROCKS, ROOTS CLODS AND OTHER NATURAL DEBRIS TO REMAIN.
- ROUGHEN SLOPE FACES BY MAKING GROVES 2"-3" DEEP, PERPENDICULAR TO THE SLOPE WITH DISK OR YORK RAKE.
- LIME AS REQUIRED TO ACHIEVE A pH OF 6.0.
- FERTILIZE AT A RATE OF 600 LBS/ACRE OF 5-10-10 FERTILIZER OR AS RECOMMENDED BY SOIL TESTS.
- INCORPORATE LIME AND FERTILIZER INTO TOP 4" OF SOIL BY ROUGHENING.

GENERAL RECREATION AREAS AND LAWNS

- PLACE TOPSOIL TO A MINIMUM DEPTH OF 4"
- SCARIFY SOIL TO A DEPTH OF 4"-6" IF COMPACTED
- REMOVE ALL STONES OVER 1" IN DIAMETER, STICKS AND FOREIGN MATTER FROM THE SURFACE.
- LIME AS REQUIRED TO ACHIEVE A pH OF 6.5.
- FERTILIZE AT A RATE OF 850 LBS/ACRE OF 5-10-10 OR EQUIVALENT FERTILIZER OR AS RECOMMENDED BY SOIL TESTS.
- INCORPORATE LIME AND FERTILIZER INTO TOP 2"-4" OF TOPSOIL.
- SMOOTH AND FIRM THE SEEDED.

TEMPORARY SEEDING SPECIFICATIONS

- SCARIFY SOILS IF COMPACTED
- LIME TO pH OF 6.0 IF REQUIRED
- FERTILIZE WITH 600 LBS/ACRE 5-10-10 FERTILIZER IF REQ.
- SEED WITH SPECIES AND RATE SHOWN BELOW
- MULCH WITH HAY OR STRAW AT A RATE OF 2000 LBS/ACRE.
- ANCHOR MULCH WITH NETTING OF WOOD FIBER OR JUTE IF STEEP SLOPE OR HIGH POTENTIAL FOR EROSION.

SPECIES	APPLICATION RATE
RYEGRASS (ANNUAL OR PERENNIAL)	30 LBS/ACRE
(USE WINTER RYE IF SEEDING IN OCT./NOV.)	(0.7 LBS/1000 SF)

PERMANENT SEEDING MIXTURES

MODERATE TO STEEP SLOPES AND LOW MAINTENANCE AREAS

SPECIES	APPLICATION RATE
EMPIRE BIRDSFOOT TREFOIL	8 LBS/ACRE
TALL FESCUE	20 LBS/ACRE
RYEGRASS	5 LBS/ACRE

GENERAL RECREATION AREAS AND LAWNS

SPECIES	APPLICATION RATE
SUNNY SITES (WELL, MODERATELY WELL AND SOMEWHAT POORLY DRAINED SOILS)	

65% KENTUCKY BLUEGRASS BLEND	85-114 LBS/ACRE
20% PERENNIAL RYEGRASS	26-35 LBS/ACRE
15% FINE FESCUE	19-26 LBS/ACRE

SUNNY DROUGHTY SITES (SOMEWHAT EXCESSIVELY TO EXCESSIVELY DRAINED SOILS)

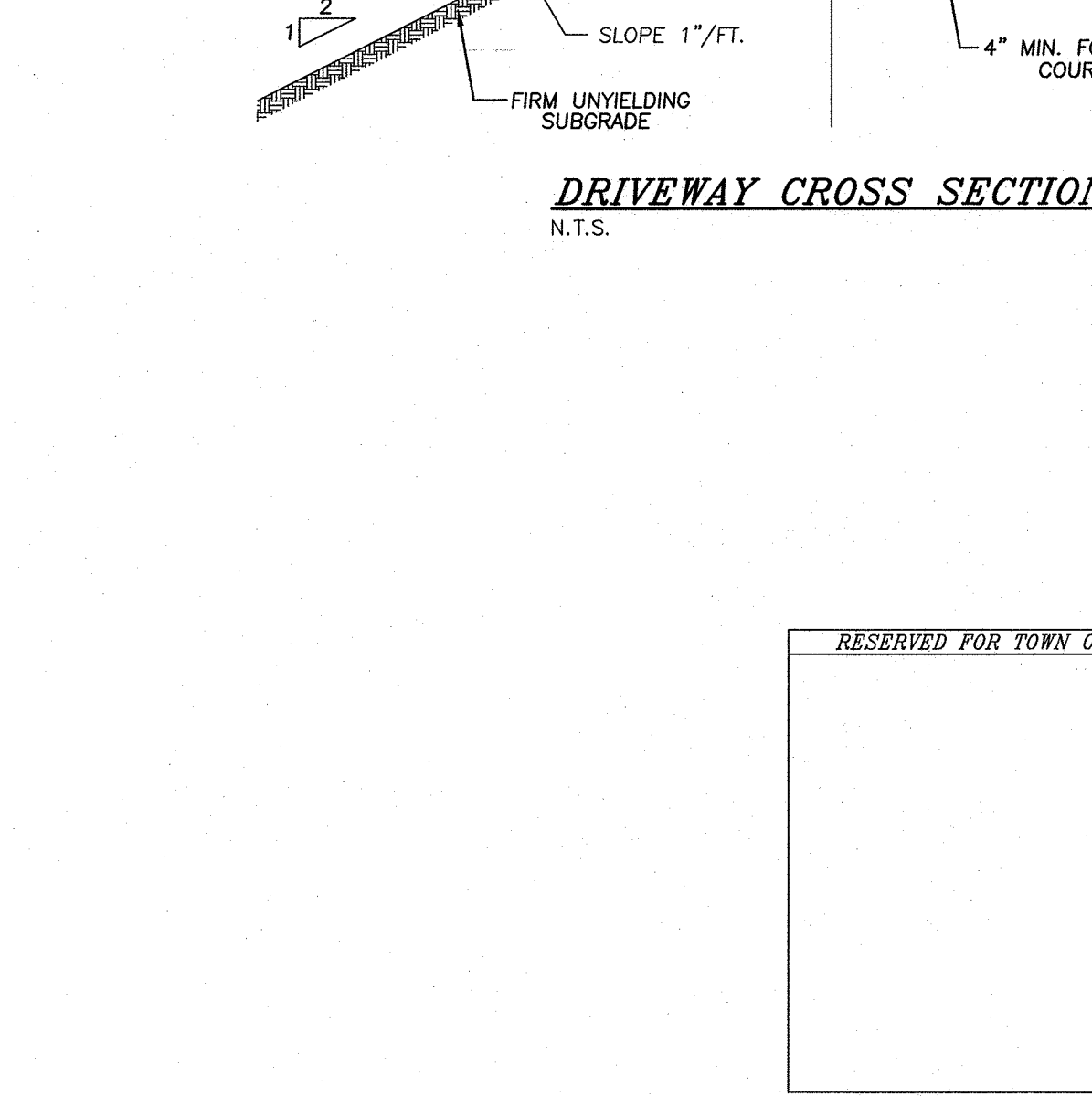
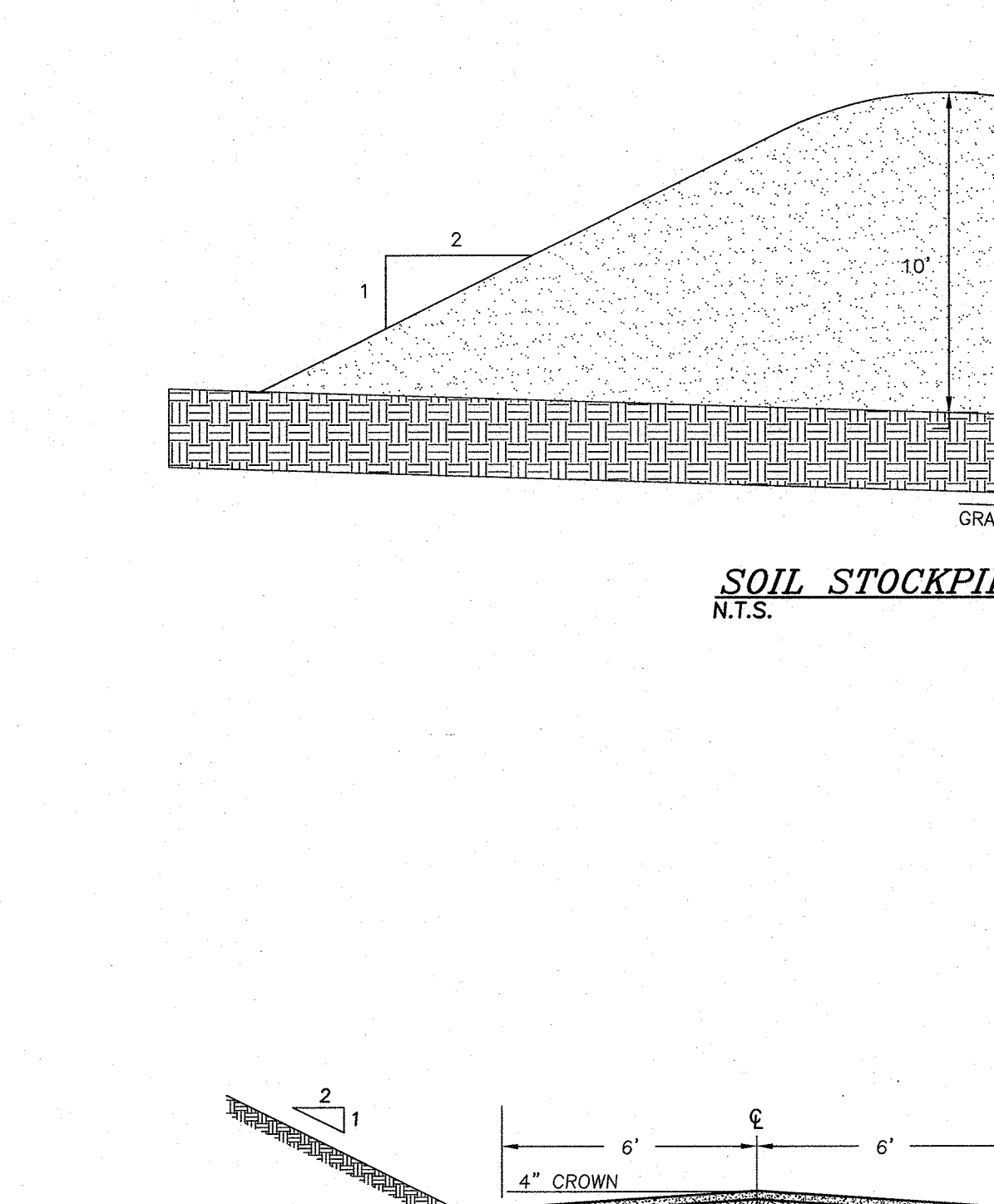
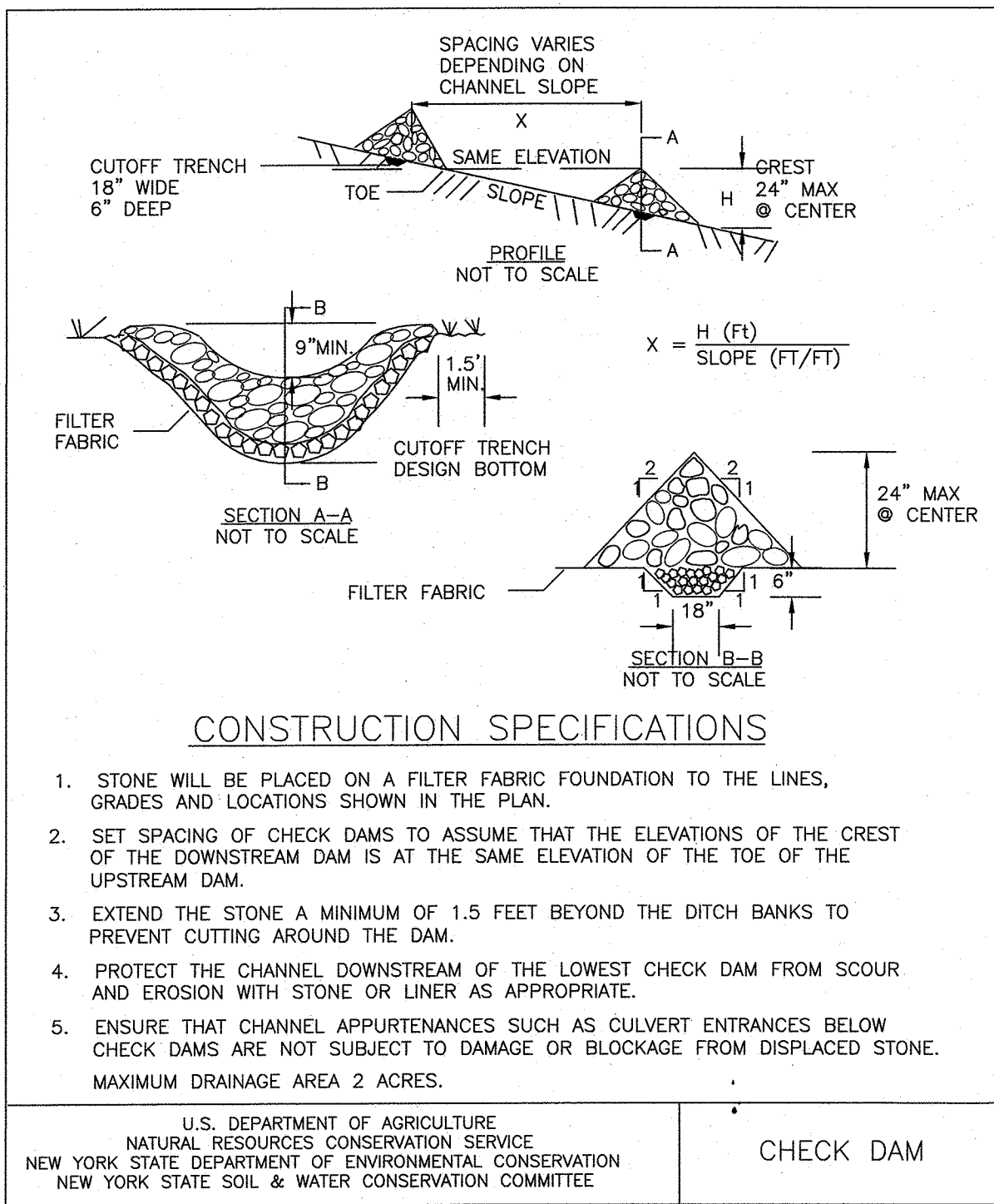
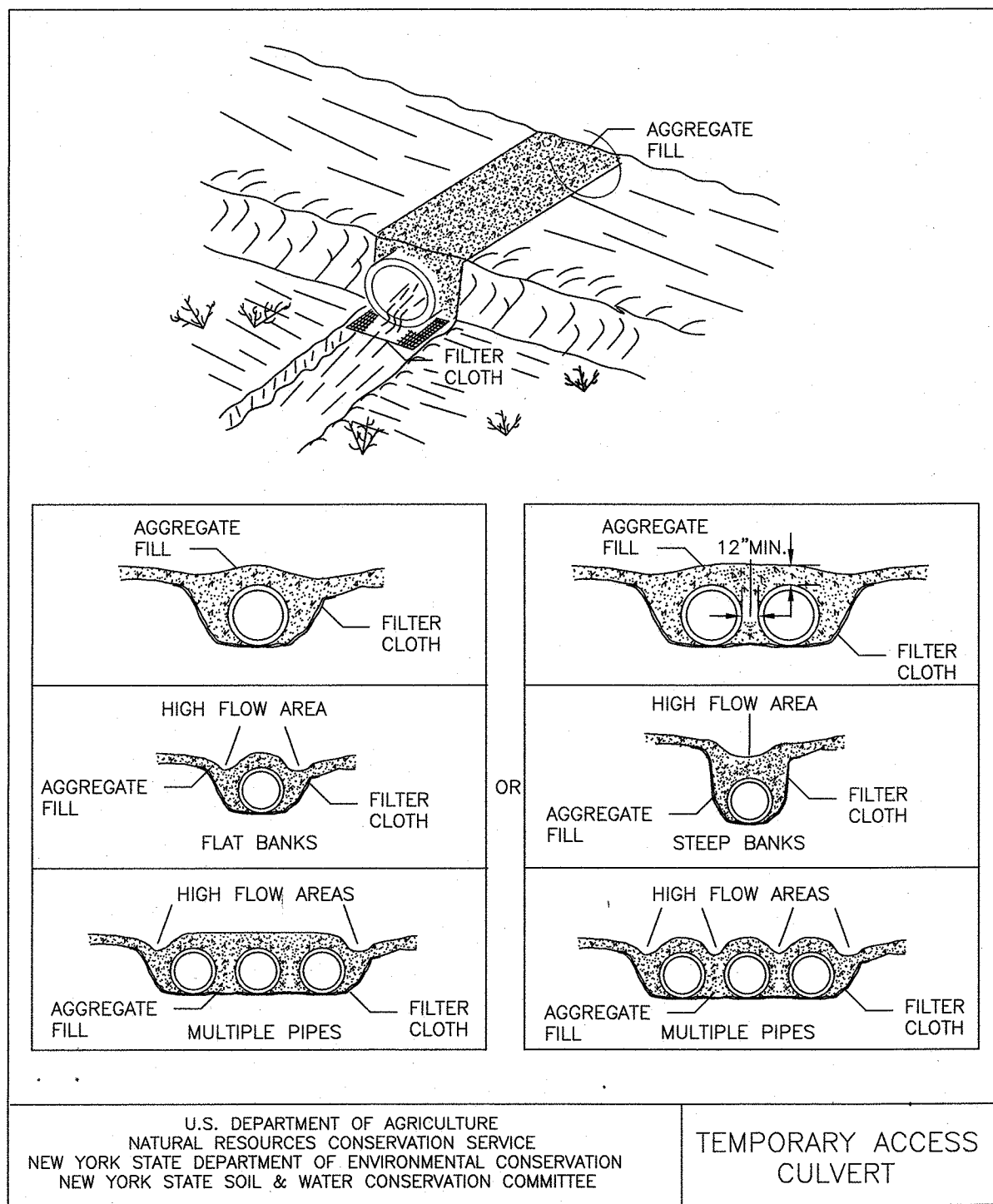
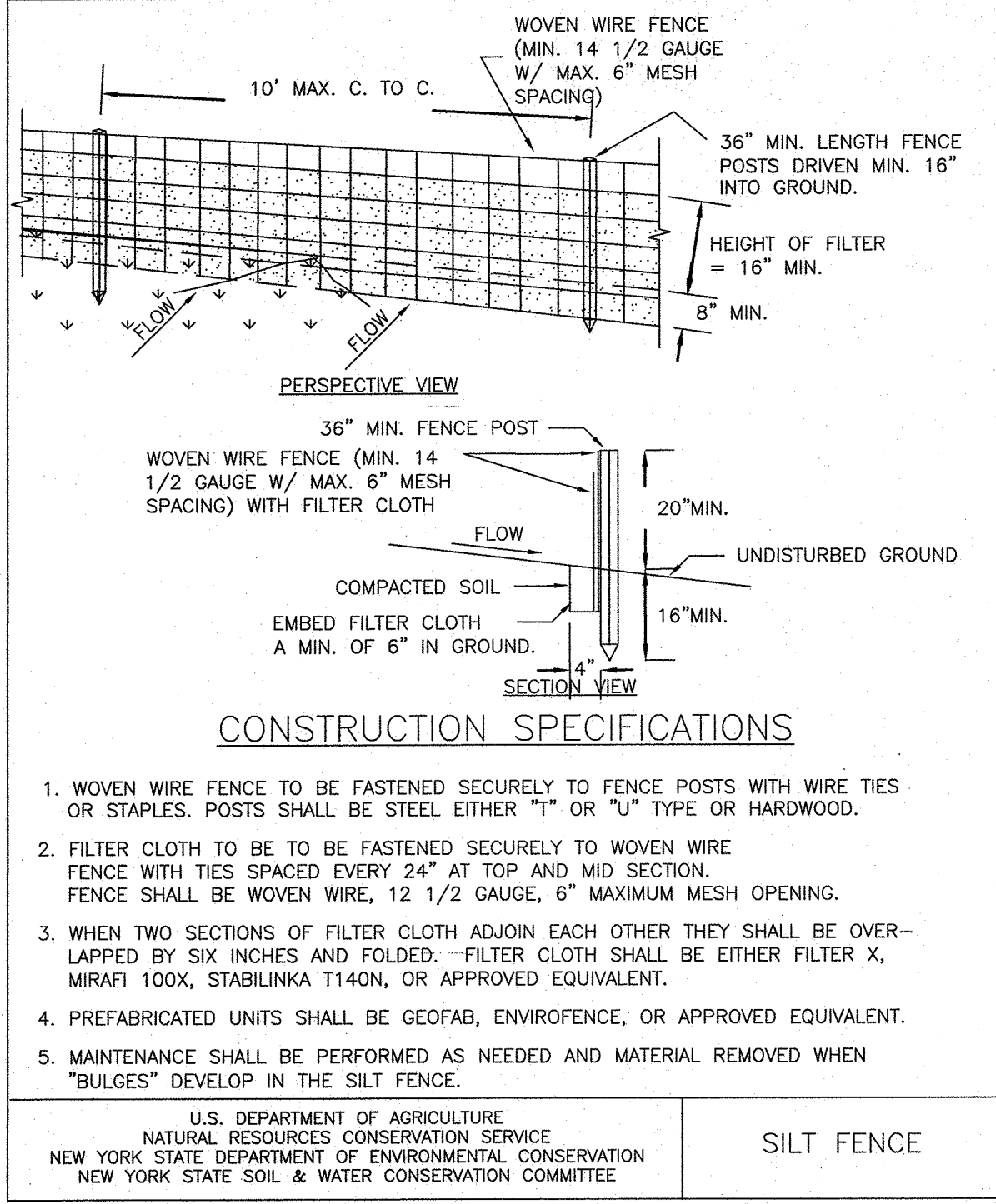
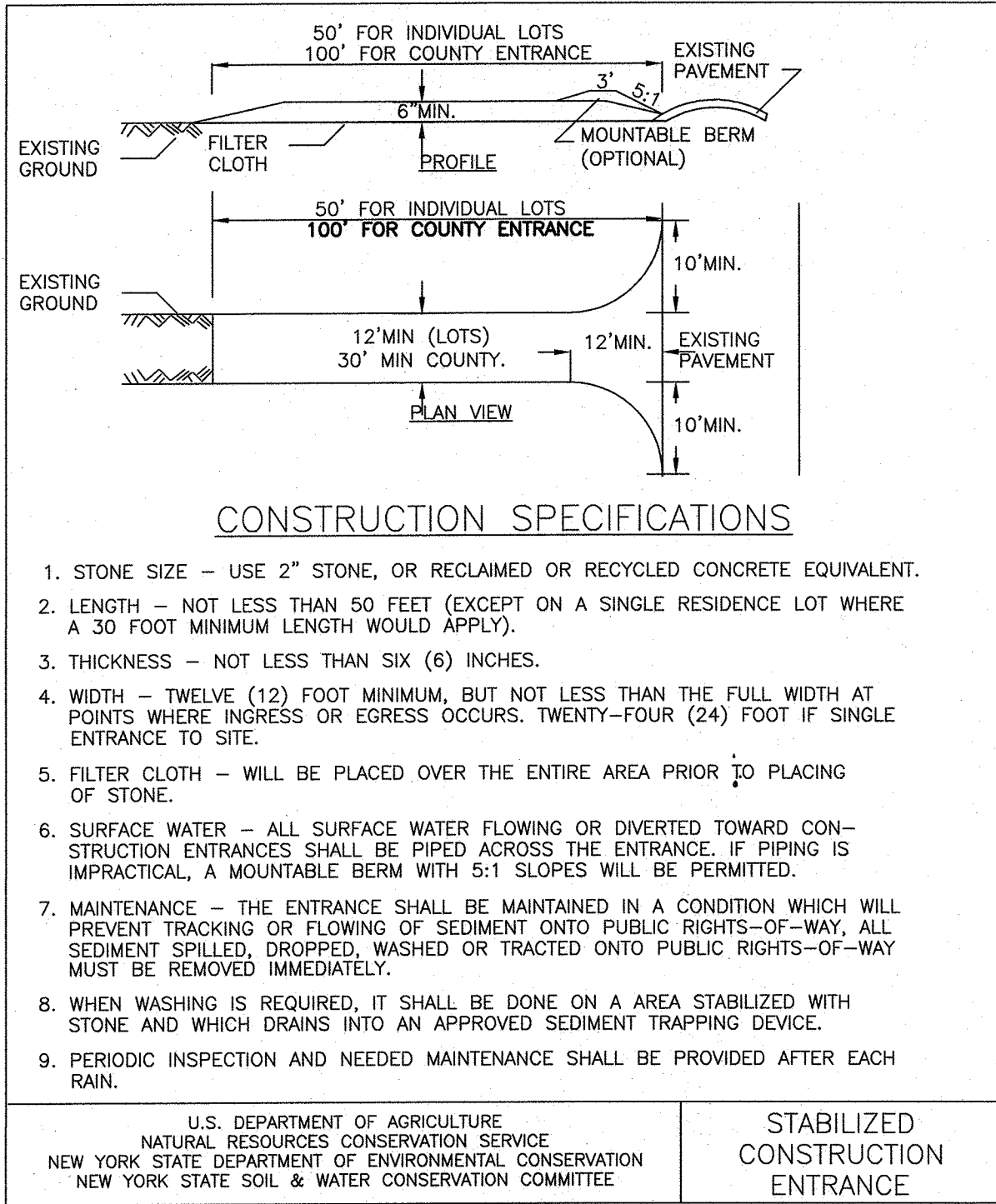
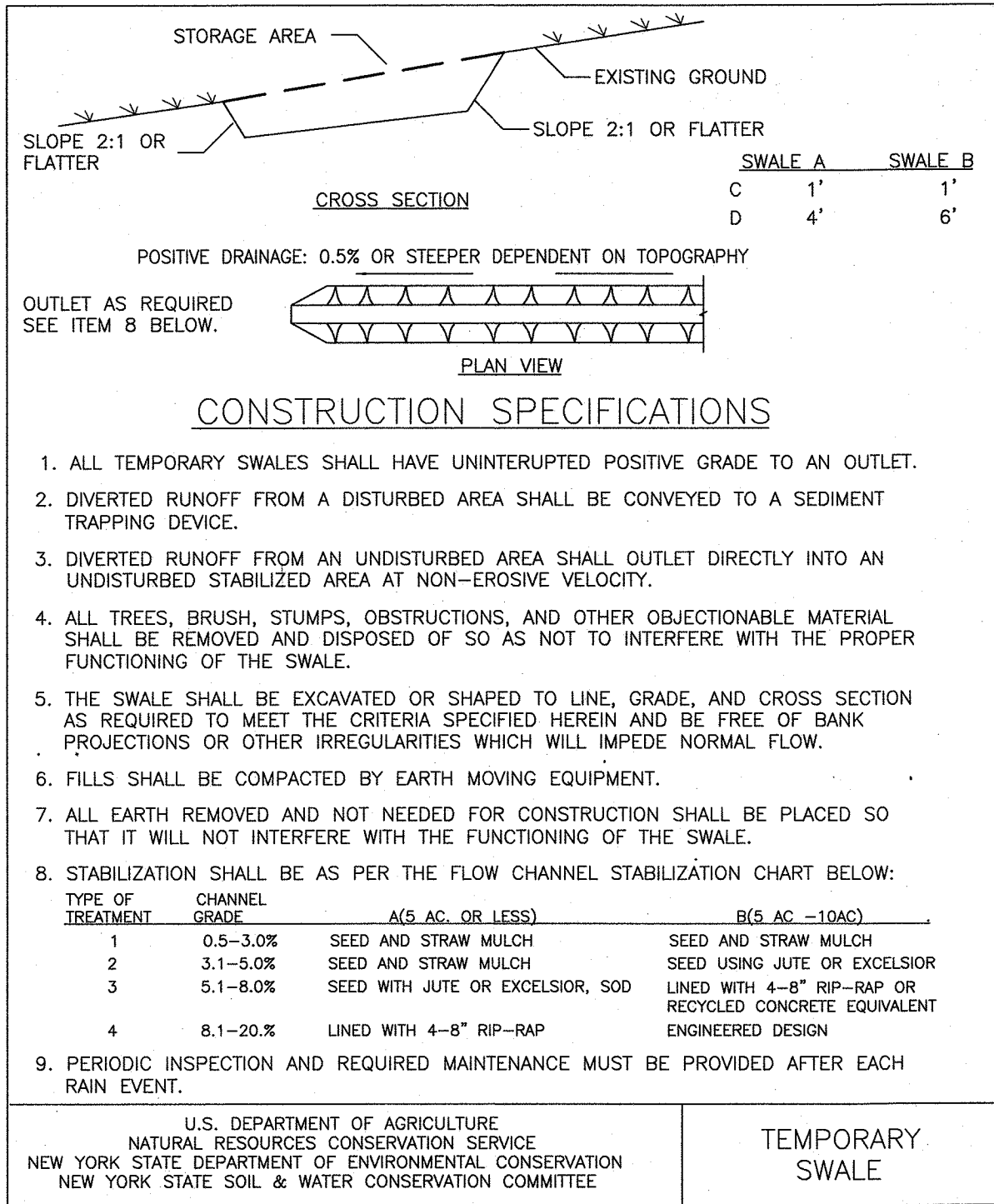
65% FINE FESCUE	114-143 LBS/ACRE
15% PERENNIAL RYEGRASS	26-35 LBS/ACRE
20% KENTUCKY BLUEGRASS BLEND	35-44 LBS/ACRE

SHADY DRY SITES (WELL TO SOMEWHAT POORLY DRAINED SOILS)

65% SHADE TOLERANT KENTUCKY BLUEGRASS BLEND	105-138 LBS/ACRE
20% PERENNIAL RYEGRASS	25-37 LBS/ACRE

SHADY WET SITES (SOMEWHAT POOR TO POORLY DRAINED SOILS)

70% ROUGH BLUEGRASS	60-91 LBS/ACRE
80% SHADE TOLERANT KENTUCKY BLUEGRASS BLEND	25-39 LBS/ACRE



RESERVED FOR TOWN OF CHESTER PLANNING BOARD APPROVAL

PIETRZAK & PFAU
ENGINEERING & SURVEYING, PLLC
282 GREENWICH AVENUE, SUITE A
GOSHEN, NEW YORK 10924
(914) 284-0800
MICHAEL J. CROGAN PLS
LICENSE NO. 050023
VINCENT A. PIETRZAK P.E. PLS. LEEDSAP
P.E. LICENSE NO. 079938 P.L.S. LICENSE NO. 050075
N.J.P.L.S. LICENSE NO. 35596

SIGNATURE _____ DATE _____

LANDS OF MEADOW HILL
MINOR SUBDIVISION
TOWN OF CHESTER
COUNTY OF ORANGE, NEW YORK

PROJECT TITLE
EROSION CONTROL
& SITE DETAILS
SECTION 15 BLOCK 1 LOT 24
DRAWING TITLE
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.

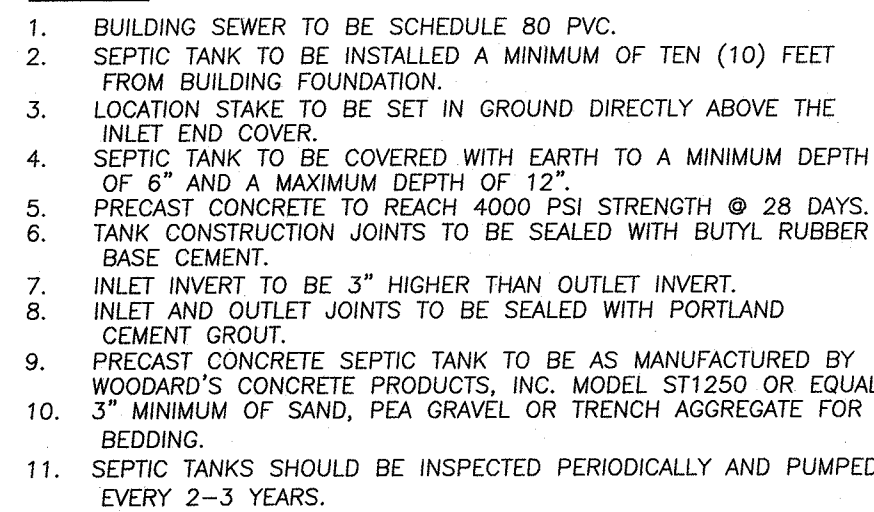
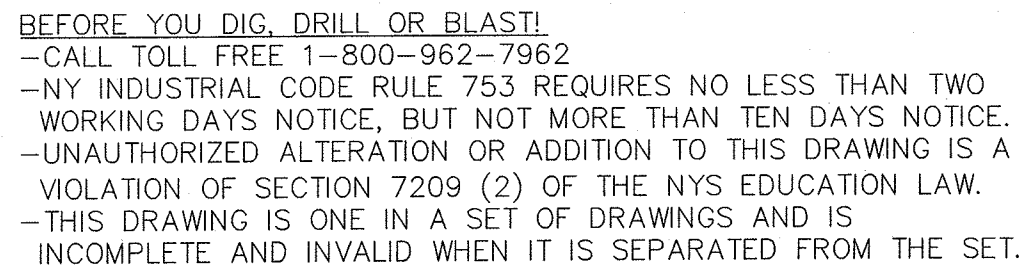
O.C.H.D. SHEET NO. N/A. OF N/A	D.E.C. SHEET NO. N/A. OF N/A	DRAWING NUMBER 4 OF 5
SCALE NONE	CAD REFERENCE 18121-WORK-5-14-19	PROJECT NUMBER 18121.01

LOT #	DEEP TEST PIT #1 RESULTS	DEEP TEST PIT #2 RESULTS	WITNESSED DEEP TEST PIT RESULTS	PERC RATE	SEPTIC SYSTEM DESIGN
1	0"-10" TOPSOIL 10"-34" LIGHT BROWN SILTY LOAM WITH LARGE STONES 34"-72" SANDY LOAM WITH LARGE STONES SEEPAGE @ 68" NO BEDROCK	0"-8" TOPSOIL 8"-36" LIGHT BROWN SILTY LOAM WITH GRAVEL 36"-76" SANDY LOAM WITH GRAVEL SEEPAGE @ 74" NO BEDROCK	0"-10" TOPSOIL 10"-74" LIGHT BROWN SILTY LOAM WITH SAND AND GRAVEL SEEPAGE @ 72" NO BEDROCK	PT1: 5 MIN. DEPTH: 24" PT2: 4 MIN. DEPTH: 24" WPT: 19 MIN. DEPTH: 24"	ELWEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (0 = 475 GAL/DAY) REQUIRED: 113 L.F. TOTAL DESIGNED: 4 LATERALS @ 32', 128 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS
2	0"-10" TOPSOIL 10"-42" LIGHT BROWN SILTY LOAM WITH GRAVEL AND LARGE STONES 42"-70" SAND WITH TRACE GRAVEL NO MOTTLING, NO BEDROCK, NO GROUNDWATER	0"-8" TOPSOIL 8"-36" LIGHT BROWN SILTY LOAM WITH LARGE STONES 36"-70" COARSE SAND WITH PEA GRAVEL NO MOTTLING, NO BEDROCK, NO GROUNDWATER	0"-8" TOPSOIL 8"-28" LIGHT BROWN SILTY LOAM WITH LARGE STONES 28"-80" SAND NO MOTTLING, NO BEDROCK, NO GROUNDWATER	PT1: 5 MIN. DEPTH: 24" PT2: 5 MIN. DEPTH: 24" WPT: 4 MIN. DEPTH: 24"	ELWEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (0 = 475 GAL/DAY) REQUIRED: 66 L.F. TOTAL DESIGNED: 4 LATERALS @ 20', 80 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS
3	0"-8" TOPSOIL 6"-46" LIGHT BROWN SILTY LOAM WITH LARGE STONES 50"-72" COARSE SAND NO MOTTLING, NO BEDROCK, NO GROUNDWATER	0"-6" TOPSOIL 6"-46" LIGHT BROWN SILTY LOAM WITH GRAVEL AND LARGE STONES 46"-68" COARSE SAND WITH SOME LARGE STONES NO MOTTLING, NO BEDROCK, NO GROUNDWATER	0"-10" TOPSOIL 10"-34" LIGHT BROWN SILTY LOAM WITH CLAY DEPOSITS 34"-76" COARSE SAND WITH SOME LARGE STONES NO MOTTLING, NO BEDROCK, NO GROUNDWATER	PT1: 8 MIN. DEPTH: 24" PT2: 8 MIN. DEPTH: 24" WPT: 3 MIN. DEPTH: 24"	ELWEN SEPTIC DESIGNED FOR: 4 BEDROOM MAXIMUM (0 = 475 GAL/DAY) REQUIRED: 88 L.F. TOTAL DESIGNED: 4 LATERALS @ 28', 112 L.F. TOTAL SEPTIC TANK SIZE: 1,250 GALLONS

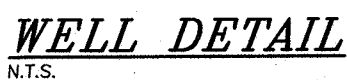
1. PERCOLATION TESTS WERE PERFORMED BY PIETRAKZ & PFAU, PLLC ON 4-11-19.
2. PERCOLATION TESTS WERE PERFORMED AT A DEPTH OF 24" UNLESS NOTED OTHERWISE.
3. DEEP TEST PITS WERE WITNESSED BY PIETRAKZ & PFAU, PLLC ON 4-11-19.
4. SEPTIC SYSTEM DESIGN BASED ON 110 GALLONS PER BEDROOM PER DAY.
5. SEPTIC SYSTEM DESIGN FOR 4 BEDROOM MAXIMUM DWELLING UNLESS NOTED OTHERWISE.
6. ALL SEPTIC SYSTEM DESIGNS INCLUDE 35 GALLONS PER DAY OF BACKWASH FOR THE OPTIONAL WATER SOFTENER, MAKING A TOTAL DISCHARGE OF 475 GALLONS PER DAY.
7. SURFACE WATER DIVERSION SWALES ARE REQUIRED ON ALL LOTS.

1. SEPTIC SYSTEMS TO CONFORM TO THE MINIMUM REQUIREMENTS OF THE N.Y.S. HEALTH DEPARTMENT STANDARDS/CODES FOR INDIVIDUAL DISPOSAL SYSTEMS, APPENDIX 15-A.
2. THE SANITARY FACILITIES ON THESE PLANS SHALL BE INSPECTED FOR COMPLIANCE, WITH THE APPROVED PLANS, AT THE TIME OF CONSTRUCTION, BY A LICENSED PROFESSIONAL ENGINEER, WRITTEN CERTIFICATION TO THAT EFFECT MUST BE SUBMITTED TO THE SUBMITTER OF THE PLANS. THE LOCAL BUILDING CODE ENFORCEMENT OFFICER PRIOR TO OCCUPANCY, AND SHALL INDICATE THAT ANY JOINTS HAVE BEEN SEALED AND TESTED FOR WATER TIGHTNESS AND THE TRENCHES SHALL BE IN ACCORDANCE WITH APPENDIX 75-A AND THE MANUFACTURERS INSTRUCTIONS.
3. SEPTIC FIELDS AND WELLS SHALL NOT BE RELOCATED.
4. ALL PERCOLATION TESTS TAKEN AT 24" OR NOT, UNLESS OTHERWISE NOTED
5. SEPTIC TANK DESIGNS AND ALL WORK ON THE FLOWLINE, PERCOLATION RATE FOUND WITHIN THE AREA OF THE SYSTEM.
6. LAUNDRY WASTE IS TO BE DISCHARGED INTO THE SEPTIC SYSTEM.
7. HOUSE SEWER AND SEWER RUNS SHALL BE COVERED AT ALL EXPOSED POINTS OF ENTRY TO CLEANOUT. NO CLEANOUT IS TO BE PROVIDED, BENDS ARE TO BE AVOIDED BUT WHERE REQUIRED AN ADDITIONAL CLEANOUT SHALL BE INSTALLED.
8. THE MAXIMUM LENGTH OF ABSORPTION LINES USED IN CONJUNCTION WITH GRAVITY DISTRIBUTION SHALL BE 60 FEET.
9. FOOTING DRAINS ARE NOT TO DISCHARGE INTO THE SEPTIC SYSTEM. FOOTING DRAINS ARE TO BE COVERED WITH AN IMPERVIOUS SCREEN.
10. UNLESS OTHERWISE INDICATED ON THESE PLANS, INDIVIDUAL SEPTIC TANKS ARE NOT DESIGNED TO ACCOMMODATE GARBAGE GRINDERS.
11. TRENCHES SHALL NOT BE CONSTRUCTED IN WET SOILS.
12. SIDES AND BOTTOM OF TRENCHES SHALL BE RAKED IMMEDIATELY PRIOR TO PLACING SAND.
13. THE END OF ALL DISTRIBUTOR PIPES SHALL BE PLUGGED.
14. DRAINAGE BY GRAVITY TO A TILE OR CONCRETE TILE FIELD EXCEPT FOR THE ACTUAL CONSTRUCTION OF THE FIELD, THERE SHALL BE NO UNNECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE AREA OF THE PROPOSED FIELD BEFORE, DURING AND AFTER CONSTRUCTION. EXTREME CARE MUST BE TAKEN TO PREVENT ANY EQUIPMENT OR MATERIALS FROM CAUSING UNDESIRABLE UNIFORM COMPACTION THAT COULD RESULT IN A CHANGE OF THE ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN WAS BASED.
15. REDESIGNING OF THE ABSORPTION FIELD.
16. NO SWIMMING POOLS, DRIVEWAYS, OR STRUCTURES WHICH MAY COMPACT THE SOIL SHALL BE LOCATED OVER ANY PORTION OF THE ABSORPTION FIELD. THIS SYSTEM WAS NOT DESIGNED TO ACCOMMODATE GARBAGE GRINDERS, OR "JACK" TUBS OR OTHER TYPES OF DISPOSAL DEVICES. SUCH ITEMS SHALL NOT BE INSTALLED UNLESS THE SDS IS REDESIGNED TO ACCOUNT FOR THEM AND REAPPROVED BY THE ORANGE COUNTY DEPARTMENT OF HEALTH.
17. THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC TANK TO THE ABSORPTION FIELD OR DRAINAGE MANHOLE. THIS SLOPE, ALLOWING GASES TO DISCHARGE THROUGH THE STACK VENT.

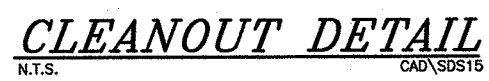
1. WELL CONSTRUCTION SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF THE N.Y.S. HEALTH DEPARTMENT STANDARDS
2. THE WELL SHALL BE HARDENED TO A MINIMUM OF 150 MCG/L. IF EXCESSIVE HARDNESS IS FOUND (GREATER THAN 150 MCG/L).
3. THE DESIGN AND LOCATION OF SANITARY FACILITIES (WATER AND SEWER SYSTEMS) SHALL NOT BE CHANGED.
4. FOOTING DRAINS WITHIN 10 FEET OF A WELL MUST BE WATERTIGHT.
5. WELLS SHALL BE INSTALLED 100 FEET FROM ANY SEPTIC SYSTEM, AND 200 FEET FROM ANY SEPTIC SYSTEM UPHILL FROM THE WELL.
6. WELL CASING IS TO BE INSTALLED 10 FEET INTO IMPERVIOUS BEDROCK.
7. WELLS WITHIN 10 FEET OF A WATER BODY SHALL BE INSTALLED WITH A 50% INCREASE IN SEPARATION DISTANCES OR 50" MINIMUM WELL CASING IF AQUIFER WATER ENTERS THE WELL LESS THAN 50" BELOW GRADE.



N.T.S

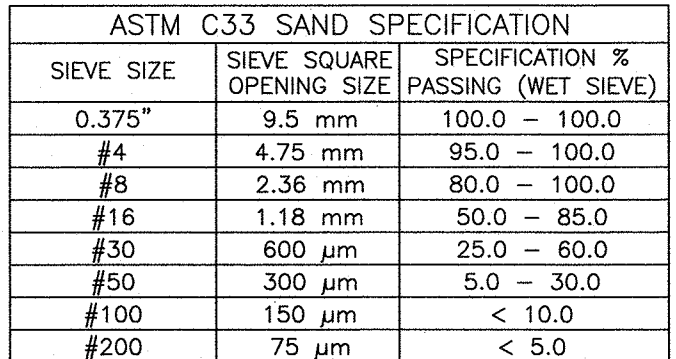


- NOTES:**
1. WELL CONSTRUCTION TO CONFORM TO NYS HEALTH DEPARTMENT RURAL WATER SUPPLY STANDARDS, AWWA A100 AND THE 10 STATE STANDARDS LATEST EDITIONS. MINIMUM YIELD 5 GPM.
 2. INSTALL TOP OF CASING MINIMUM 24" ABOVE THE 100 YEAR FLOOD LEVEL.
 3. ANTICIPATE DEPTHS OF WELL CASINGS ARE 40' AND THROUGH BEDROCK.
 4. DIAMETER OF DRILL HOLES TO BE 10"-12" THROUGH OVERBURDEN, AND 6" THROUGH ROCK.
 5. IF WATER IS ENCODERED AT A DEPTH OF LESS THAN 10 FEET, THE MINIMUM CASING AND REQUIREMENT SHALL BE 50 FEET.



1. ABSORPTION FIELDS SHALL NOT BE BUILT UNDER DRIVEWAYS, PARTS OF BUILDINGS, OR UNDER ABOVE GROUND POOLS, OR OTHER AREAS SUBJECT TO HEAVY LOADINGS.
2. THE END OF EACH DISTRIBUTOR PIPE SHALL BE PROTECTED BY A CONCRETE CURB PROVIDED WITH EACH UNIT.
3. TRENCHES SHALL NOT BE CONSTRUCTED IN WET SOIL.
4. SIDES AND BOTTOMS OF TRENCHES SHALL BE SHAVED TO BE SUFFICIENTLY FIRM TO PLACING SAND.
5. THE END OF ALL DISTRIBUTOR PIPES SHALL BE PLUGGED.
6. HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREA OF THE FIELD EXCEPT FOR ACTUAL CONSTRUCTION OF THE ABSORPTION FIELDS. THE UNDER-SHIELD SHALL BE REMOVED OF CONSTRUCTION EQUIPMENT IN THE AREA OF THE PROPOSED FIELD, BEFORE OR AFTER CONSTRUCTION.
7. DISTRIBUTION LATERALS SHALL BE SLOPED AT $1/16" - 1/32"$ PER FOOT.
8. ABSORPTION TRENCH BOTTOM TO BE SET AT LEAST 12" BELOW FINISHED GRADE.
9. DISTRIBUTION LATERALS ARE TO BE SET WITH PERFORATIONS FACING DOWN.

N.T.S



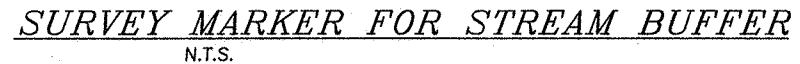
N.T.S.



- NOTES:

1. DROP BOX TO BE AS MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS, INC. MODEL NO. DB-6DB OR APPROVED EQUAL.
2. CONCRETE TO TEST 4,000 PSI AT 28 DAYS.
3. ALL OUTLETS NOT USED SHALL REMAIN PLUGGED.
4. BOX TO BE INSTALLED WITH A MIN. 18" AND MAX. 12" EARTH COVER.
5. BOX TO BE INSTALLED ON 12" MIN OF SAND, PEA GRAVEL, OR TRENCH AGGREGATE.
6. PIPE JOINTS TO BE SEALED WITH POLYLOK SEAL OR EQUAL.
7. BRICK AND MORTAR Baffle TO BE INSTALLED IN THE CENTER, FOUR (4) INCHES FROM THE INLET END.


N.T.S.



- NOTES:

1. THESE MARKERS MUST CONTAIN THE FOLLOWING LANGUAGE:
 - "STREAM BUFFER AREA"
 - "NO SITE DISTURBANCE"
 - "SURVEY MARKER NOT TO BE REMOVED"
2. MARKERS TO BE SET EVERY 100' ALONG BOTH SIDES OF EDGE OF STREAM BUFFER AS SHOWN ON PLANS.

10-8-19	AS PER 10-2-19 PLANNING BOARD MEETING	CJP
8-26-19	AS PER 6-5-19 PUBLIC HEARING COMMENTS	CJP
6-14-19	UPDATE SEPTIC DESIGN	CJP
5-20-19	AS PER PB ENG LETTER DATED 4-22-19 & PB MEETING 5-2-19	WJP
4-12-19	UPDATE PLAN AS PER WL CONST. SOILS TESTS	WJP
10-10-18	SKETCH PLAN PREPARATION DATE	WJP
DATE	DESCRIPTION	INITIALS
REVISIONS		

<h1 style="margin: 0;">PIETRZAK & PFAU</h1> <h2 style="margin: 0;">ENGINEERING & SURVEYING, PLLC</h2>		
282 GREENWICH AVENUE, SUITE A GOSHEN, NEW YORK 10924 (645) 294-0608		2 HAMILTON AVENUE MONTICELLO, NEW YORK 12701 (645) 796-4848
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> JOSEPH J. PFAU P.E. LICENSE NO. 068845 </div> <div style="width: 45%; text-align: right;"> MICHAEL P. GREGAN P.E. LICENSE NO. 050523 </div> </div>		
VINCENT A. PIETRZAK P.E., P.L.S., JEP@PFAU P.E. LICENSE NO. 078695 P.L.S. LICENSE NO. 050575 N.J.P.L.S. LICENSE NO. 93366		
SIGNATURE _____ DATE _____		
<h1 style="margin: 0;"><u>LANDS OF MEADOW HILL</u></h1> <h2 style="margin: 0;"><u>MINOR SUBDIVISION</u></h2>		
TOWN OF CHESTER COUNTY OF ORANGE, NEW YORK		
PROJECT TITLE		
<h1 style="margin: 0;">SANITARY & WATER</h1> <h2 style="margin: 0;">SUPPLY DETAILS</h2>		
SECTION 15 BLOCK 1 LOT 24		
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 2209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.		
O.C.H.D. SHEET NO. N/A OF N/A	D.E.C. SHEET NO. N/A OF N/A	DRAWING NUMBER 5 OF 5
SCALE NONE	CAD REFERENCE 18121-WORK-6-14-19	PROJECT NUMBER 18121.01