BOLTON INLAND WETLANDS COMMISSION REGULAR MEETING 7:00 P.M., TUESDAY, JULY 22, 2025 VIRTUAL MEETING VIA ZOOM

Inland Wetlands Commission Members Present Via Zoom: Chair Ross Lally, Vice Chair James Loersch (joined at 7:40), Member Diane DeNunzio, Member Michael McDonnell, Member David Lynn.

Staff Present Via Zoom: Wetlands Agent Alyssa Barroso. Board Clerk Mary Johnston was absent.

Others Present Via Zoom: Head of School Cailyn Freeman, Attorney Rich Barger, Engineer Joe Dillon, Former applicants Jim Torello and Steve Saucier.

1. Approval of Agenda

D. Lynn MOVED to approve the agenda with the addition of item "Election of Officers" under agenda item "Other". D. DeNunzio SECONDED the motion. MOTION CARRIED UNANIMOUSLY 5:0:0.

2. Public Comment

None.

3. Approval of Minutes

3a. June 30, 2025, Special Meeting

D. DeNunzio MOVED to approve June 30, 2025, Special Meeting Minutes. M. McDonnell SECONDED. MOTION CARRIED 5:0:0.

4. New Business

4a. IW-25-10 - Cailyn Freeman - 212 Bolton Center Rd - Construction of Walkway

A. Barroso reported this application is for clearing of vegetation and installation of a walkway made of pavers at the Hans Christian Anderson Montessori School, from the school building to the waste receptacle within 100ft of flagged wetlands. This application proposes no wetland disturbances but proposes 0.01 acres of disturbance within the upland review area. C. Freeman stated that the reason for the shape of the walkway was to avoid the septic leach field in the area. R. Lally asked whether any work would take place within the wetlands, and A. Barroso responded that work would happen at least 20 ft away from the wetlands. R. Lally asked whether professional contractors would be hired to excavate sediment and lay down appropriate base material for the pavers, and C. Freeman stated that the walkway would actually be graded upwards due to the steep drop-off to the leach field.

M. McDonnell MOVED to delegate this application to the Wetlands Agent, according to the plan on record with erosion/sediment controls be added per state requirements. D. DeNunzio SECONDED the motion. MOTION CARRIED UNANIMOUSLY 5:0:0.

4b. IW-25-11 – AJ Golden (Town of Bolton) – 87 Brandy St – Roadway Drainage to Farm Pond

A. Barroso reported that an existing headwall on Brandy street would be removed and replaced by a catch basin, with a 250-linear foot HDPE pipe being used to direct water into an existing farm pond with a riprap outlet, and some grading to smooth out the area. J. Dillon confirmed that the purpose of the project was to direct water that currently drains on to the farm fields to the pond instead, to alleviate an existing drainage issue and avoid flooding the fields. R. Lally asked about the status of an easement and J. Dillon stated that an easement will be acquired after in order to maintain the drainage structures. M. McDonnell asked about the grading plan and whether additional E&S controls should be necessary, and stated that he believed there should be further protections to avoid siltation of the pond. R. Lally speculated whether this could be considered as an agricultural exemption and agreed that additional E&S controls should be added to extend beyond the limit of disturbance. M. McDonnell asked about the effect of winter treatments such as road salt and their effect on the health of the pond. J. Dillon explained that most pf the drainage would be from the tennis courts and school property across the street, and not solely the road. M. McDonnell asked about whether the property is being used as a farm and whether calculations have been done on the load capacity of the pipe and asked to see the crosssections and trench excavation detail. R. Barger answered that the Connecticut Farmland Trust has an easement on the property that ensures it will be a farm forever, and stated that there should be some marking to show the existence of the pipe into the future, and that other pipes on the property have held up to farm equipment running over top of them. J. Dillon stated that minimum cover would be maintained over the pipe for its entire length. M. McDonnell stated that the apron detail does not have type and size details, and he would like to see more specifics. J. Dillon said he could provide the specifics, including flow calculations. The Commission will add this item to the August agenda for further discussion.

5. Old Business

5a. Cease and Correct – Alexey Ouzounov and Tenant – 37 Notch Rd – Debris in Wetlands

A. Barroso shared that the delineation for the property has been completed by George Logan, along with a sketch. The report is forthcoming. R. Lally stated that most of the property is within the upland review area, requiring a permit for any activity to occur. A. Barroso stated that some of the fill is historic and some is from the current owner/tenant. R. Lally stated that he is hesitant to have the owner or tenant do remediation activities without a proper plan, due to the extent of fill, and that a professional should be retained to create a restoration plan. R. Lally stated the Commission would have to revisit the agricultural exemption granted for the southeastern corner of the property to grow mushrooms and blueberries. R. Lally stated that the Commission would have to set up an appointment to review the report and findings with the Property Owner and Town Manager. D. Lynn asked Bolton IWC 7/22/25 Regular Meeting

whether the Commission could benefit from visiting the site, and R. Lally replied that he would like to discuss with town staff first.

6. Wetland Agent Report

A. Barroso reported that she has issued some letters to property owners regarding drainage issues brought up by neighbors. She also reported that the ongoing project at 180 Bolton Center Road has finally been completed and is now 100% stabilized, so she closed out their permit. She also stated that 65 Shoddy Mill looks good and the wetlands have established themselves well, with supplemental planting being planned for the fall. 148 Brandy Street also looks good with work actively continuing. She also stated that she has created a database for active permits that will be included in every packet. 25 Vernon Road is now up for sale as a permitted lot, so work will likely not begin for some time.

7. Other

7a. Ongoing Discussion & Review of Proposed Updates to Wetlands RegulationsR. Lally reported that the commission still has not been able to get on the Board of Selectmen's Agenda because they are still trying to pass a budget. He stated that in the meantime, A. Barroso could ask the Selectmen and Conservation Commission to review the regulation and fee changes by email.

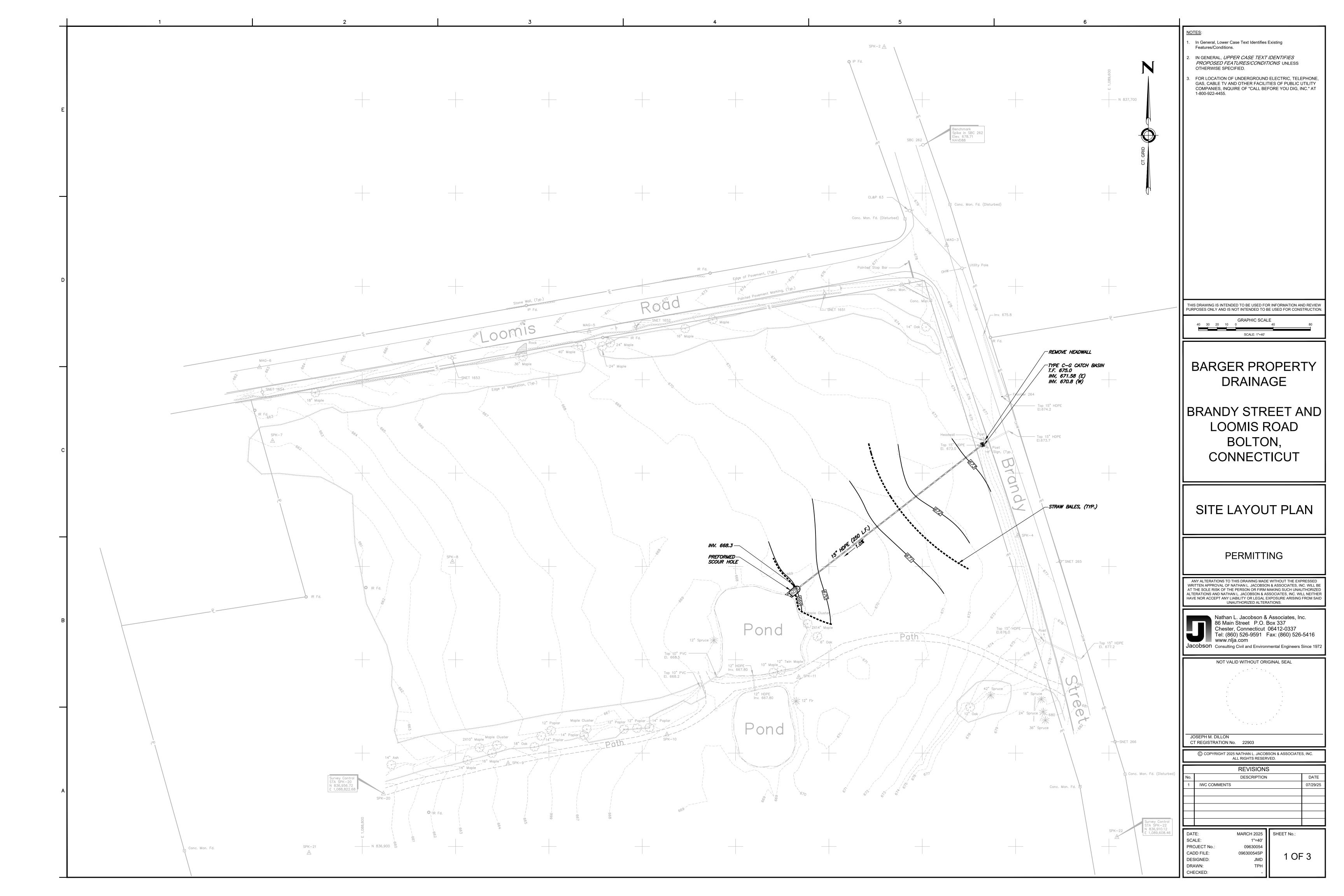
7b. Election of Officers

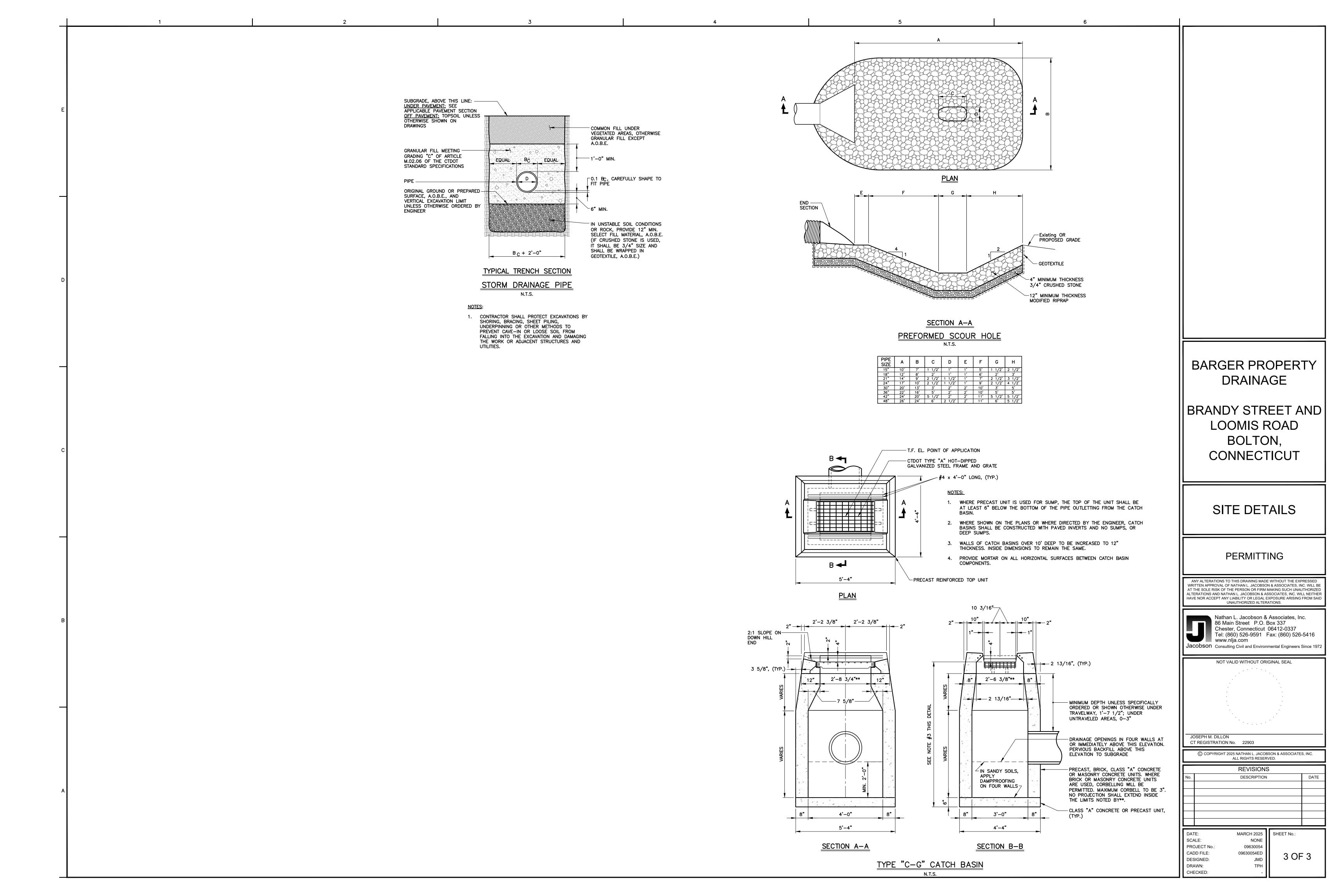
J.Loersch MOVED to elect Ross Lally as Chairman and Michael McDonnell as Vice Chair. D. Lynn SECONDED the motion. MOTION CARRIED UNANIMOUSLY 5:0:0.

8. Adjournment: D. Lynn MOVED to adjourn the meeting at 8:25 p.m. M. McDonnell SECONDED the motion. MOTION CARRIED UNANIMOUSLY 5:0:0.

Respectfully submitted by Alyssa Barroso, Wetlands Agent Alyssa Barroso

Please see the Minutes of subsequent meetings for corrections to these Minutes and any corrections hereto.





ACE OR REPAIR THE CHECK DAM WITHIN 24 HOURS OF OBSERVED FAILURE. FAILURE OF THE CHECK DAM H. ED DOWN SLOPE AT LEAST 3 FEET. PLACE THE GEOTEXTILE UNDER STONE AND USE GALVANIZED WIRE, SOIL COVERAGE WHEN USED AS A SUBSTITUTE FOR TEMPORARY SOIL PROTECTION MEASURE, AND; PROJECT NARRATIVE: SOIL TEXTURE TONS/ACRE LBS/1,000 SQUARE FEET HEN SEDIMENT FAILS TO BE RETAINED BECAUSE: ECURELY IN PLACE. CLAY, CLAY LOAM, AND HIGH ORGANIC SOIL THE SUBJECT PROJECT INCLUDES THE EXTENSION OF AN EXISTING DRAINAGE OUTFALL TO AN EXISTING FARM POND. STABILIZE THE DIS AREA AROUND THE SPREADER IMMEDIATELY AFTER ITS CONS MATERIALS SHALL BE SELECTED AS APPROPRIATE FOR THE SPECIFIC SITE CONDITIONS IN ACCORDANCE WIT SANDY LOAM, LOAM, SILT LOAM MULCH FOR SEED AND/OF OPE PROTECTION MEASURES). MANUFACTURER'S RECOMMENDATIONS. USE OF ANY PARTICULAR TEMPORARY EROSION CONTROL BLANKET SHOULD BE R UNDER THE CHECK DAM REDUCING ITS FUNCTION APACITY, OR TRAPPED SOIL HAS ERODE SUPPORTED BY MANUFACTURER'S TEST DATA THAT CONFIRMS THE BLANKET MEETS THESE MATERIAL SPECIFICATIONS AN LOAMY SAND, SAND BARGER PROPERTY WILL PROVIDE THE SHORT TERM EROSION CONTROL CAPABILITIES NECESSARY FOR THE SPECIFIC PROJECT. BRANDY STREET AND LOOMIS ROAD REFER TO COUNTY SOIL SURVEY REPORT FOR SOIL TEXTURES AT THE SITE WHEN REPETITIVE FAILURES OCCUR AT 1 ITIONS AND LIMITATIONS FOR USE AND EAST ONCE A WEEK AND WITHIN 24 HOURS OF THE FOR TEMPORARY INSTALLATIONS, INSPECT THE LE BOLTON, CT 06043 SITE PREPARATION AND INSTALLATION ON OF CONTRIBUTING AREA, DIVERSIONS, STONE END OF A STORM WITH A RAINFALL AMOUN CHECK DAMS) ARE NEEDED TO REDUCE FAILURE F SEEDING CONSTRUCTION SCHEDULING: PREPARE THE SURFACE. REMOVE PROTRUDING OBJECTS AND INSTALL TEMPORARY EROSION CONTROL BLANKETS IN FOR PERMANENT INSTALLATI ECT AFTER MAJOR RAINSTORMS OR MAINTAIN THE STONE CHECK DAM UNTIL ANNUAL RYE GRASS 40 LBS/ACRE, 1 LB/1000 SF ANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ENSURE THAT THE ORIENTATION AND ANCHORING OF THE SPREADER LIP AT 0.0% SLOPE TO ALLOW FOR PROPER FUNCTIONING BLANKET IS APPROPRIATE FOR THE SITE. IT IS PROPOSED TO PERFORM CONSTRUCTION IN THE SUMMER OF 2025. IN GENERAL, THE SEQUENCE FOR CONSTRUCTION AND WHERE THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO A DEPTH OF 2 INCHES BEFORE SITE STABILIZATION MAY BE AS FOLLOWS: 2. THE BLANKET CAN BE LAID OVER AREAS WHERE SPRIGGED GRASS SEEDLINGS HAVE BEEN INSERTED INTO THE SOIL. OR GRADED INTO THE FL NE OF THE CHANNEL OVER THE AREA LEFT DISTURE IENT REMOVAL, GRADE SO HE PLACEMENT OF ANY MATERIAL ON AND PREVENT CONSTRUCTION TRAFFIC ACROSS THE STRUC ASURE IS DAMAGED BY CONSTRUCTION TRAFFIC. REPAIR IT IMMEDIATELY INSTALL SEDIMENT AND EROSION CONTROLS APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER OR HYDROSEEDEF 3. WHERE LANDSCAPE PLANTINGS ARE PLANNED, LAY THE BLANKET FIRST AND THEN PLANT THROUGH THE BLANKET IN BE MOWED, F ALL THE STONE OR CAREFULLY GRADE OUT THE STONE TO ENSURE IT RFERE WITH SEDIMENT IMPOUNDMENTS. BARRIERS. AND FILTERS HYDROSEEDINGS WHICH INCLUDE MULCH, MAY BE LEFT ON SOIL SURFACE. SEEDING RATES MUST BE INCREASED BY 10 ACCORDANCE WITH LANDSCAPE PLANTING MEASURE. REMOVE EXISTING HEADWALL ABILIZE ANY DISTURBED SOIL THAT REMAINS FROM CHECK DAM REMOVAL OPERATIONS 4. INSPECT THE INSTALLATION TO INSURE THAT ALL LAP JOINTS ARE SECURE, ALL EDGES ARE PROPERLY ANCHORED AND ALL INSTALL DRAINAGE STRUCTURE 4 SPRING SEEDINGS LISUALLY GIVE THE BEST RESULTS. SPRING SEEDINGS OF ALL SEED LEGUMES IS RECOMMENDED STRAW BALE BARRIER STAKING OR STAPLING PATTERNS FOLLOW MANUFACTURER'S RECOMMENDATIONS HOWEVER, LATE SUMMER SEEDINGS PRIOR TO SEPTEMBER 1 CAN BE MADE. WHEN CROWN VETCH IS SEEDED IN LATE STRIP AND STOCKPILE TOPSOIL SUMMER AT LEAST 35 PERCENT OF THE SEED SHOULD BE HARD SEED (UNSCARIFIED). THE RECOMMENDED SEEDING DATES INSTALLATION REQUIREMENTS INSTALL RIPRAP DEFINITION INSPECT TEMPORARY EROSION CONTROL BLANKETS AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A SHEET FLOW APPLICATIONS MARCH 15 THROUGH JUNE 15 STORM WITH A RAINFALL AMOUNT OF 0.5 INCH OR GREATER FOR FAILURES, BLANKET FAILURE HAS OCCURRED WHEN (1) INSTALL DRAINAGE PIPE STRUCTURALLY LINED APRONS OR OTHER ACCEPTABLE ENERGY DISSIPATING DEVICES PLACED BETWEEN THE OUTLETS OF AUGUST 15 THROUGH OCTOBER 19 SOILS AND/OR SEED HAVE WASHED AWAY FROM BENEATH THE BLANKET AND THE SOIL SURFACE CAN BE EXPECTED TO $^{'}$ PIPES OR PAVED CHANNEL SECTIONS AND A STABLE DOWNSTREAM CHANNEL. 1. BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE ON THE CONTOUR, WITH THE ENDS OF ADJACENT BALES TIGHTLY CONTINUE TO ERODE AT AN ACCELERATED RATE, AND/OR (2) THE BLANKET HAS BECOME DISLODGED FROM THE SOIL RESPREAD TOPSOIL, SEED, AND MULCH PERMANENT SEEDING SURFACE OR IS TORN. REMOVE EROSION CONTROLS 2. ALL BALES SHALL BE EITHER WIRE-BOUND OR STRING TIED. BALES SHALL BE INSTALLED SO THAT BINDINGS ARE ORIENTED 2. IF WASHOUTS OR BREAKOUTS OCCUR, RE-INSTALL THE BLANKET AFTER REGRADING AND RE-SEEDING, ENSURING THAT INSTALLATION REQUIREMENTS TO PREVENT SCOUR AT STORM DRAIN, CULVERT OR DRAINAGEWAY OUTLETS AND TO MINIMIZE THE POTENTIAL FOR AROUND THE SIDES RATHER THAN ALONG THE TOPS AND BOTTOMS OF THE BALES TO PREVENT DETERIORATION OF THE BLANKET INSTALLATION STILL MEETS DESIGN SPECIFICATIONS. WHEN REPETITIVE FAILURES OCCUR AT THE SAME LOCATION, REVIEW CONDITIONS AND LIMITATIONS FOR USE AND DETERMINE IF DIVERSIONS, STONE CHECK DAMS OR OTHER MEASURES DOWNSTREAM EROSION BY REDUCING THE VELOCITY OF CONCENTRATED STORM WATER FLOWS THE CONTRACTOR SELECTED TO CONSTRUCT THIS PROJECT WILL BE RESPONSIBLE FOR IMPLEMENTATION OF SEDIMENT AND GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION EROSION CONTROL MEASURES ON THIS SITE. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR WILL PROVIDE THE BOLTON CONSERVATION COMMISSION ENFORCEMENT OFFICERS, INLAND WETLANDS ENFORCEMENT OFFICERS, TOWN ENGINEERS ARE NEEDED TO REDUCE FAILURE RATE. EDING, MULCH APPLICATION AND ANCHORING, AND MAINTENANCE. ALL GRADING SHOULD BE BE DONE IN ACCORDANCE 3. A TRENCH SHALL BE EXCAVATED THE WIDTH OF A BALE AND THE LENGTH OF THE PROPOSED BARRIER TO A MINIMUM DEPTH WITH THE REQUIREMENTS FOR LAND GRADING. OF 4 INCHES. AFTER THE BALES ARE STAKED AND CHINKED. THE EXCAVATED SOIL SHALL BE BACKFILLED AGAINST THE AND ZONING ENFORCEMENT OFFICERS WITH THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE RESPONSIBLE PERSON. 3. REPAIR ANY DISLODGED OR FAILED BLANKETS IMMEDIATELY SARRIER. BACKFILL SOIL SHALL CONFORM TO THE GROUND LEVEL ON THE DOWNHILL SIDE AND SHALL BE BUILT UP TO $^\circ$ AT THE OUTFALL OF ALL STORM DRAIN OUTLETS. ROAD CULVERTS. PAVED CHANNEL OUTLETS. NEW CHANNELS SHOULD ANY PROBLEMS OCCUR, THEN THE OWNER'S AGENT SHOULD BE CONTACTED. SEEDBED PREPARATION ONSTRUCTED AS OUTLETS FOR CULVERTS AND CONDUITS, ETC. DISCHARGING INTO NATURAL OR CONSTRUCTED INCHES AGAINST THE UPHILL SIDE OF THE BARRIER. BALES SHOULD BE PLACED 10 FEET AWAY FROM THE TOE OF SLOPES 4. WHEN USED AS A SUBSTITUTE FOR MULCH FOR SEED, CONTINUE TO INSPECT AS REQUIRED BY THE SEEDING MEASURE WHEN USED AS A SUBSTITUTE FOR TEMPORARY SOIL PROTECTION, CONTINUE TO INSPECT UNTIL IT IS REPLACED BY OTHER EROSION CONTROL MEASURES OR UNTIL WORK RESUMES. UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR DIRECTED. CHANNELS, WHICH IN TURN DISCHARGE INTO EXISTING STREAMS OR DRAINAGE SYSTEMS. CONTINGENCY PLAN APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TESTS SUCH AS THOSE OFFERED BY THE UNIVERSITY OF 4. EACH BALE SHALL BE SECURELY ANCHORED BY AT LEAST TWO STAKES DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER. STAKES SHALL BE CONNECTICUT SOIL TESTING LABORATORY. SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL COOPERATIV PLANNING CONSIDERATIONS A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL. PROVIDE THE OWNER'S AGENT EXTENSION SERVICE OFFICE. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS ERMANENT TURF REINFORCEMENT MAT AND THE TOWN ENGINEER WITH THE NAMES AND TELEPHONE NUMBERS OF THE RESPONSIBLE PERSONS TO BE CONTACTED IN CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 300 POUNDS PER ACRE OR 7.5 POUNDS PER 1,000 SQUARE FEE DRIVEN DEEP ENOUGH INTO THE GROUND TO SECURELY ANCHOR THE BALES. ANALYSIS AND APPROPRIATE TREATMENT SHALL BE DONE ALONG THE ENTIRE LENGTH OF THE FLOW PATH FROM THE END USING 10-10-10 OR EQUIVALENT. IN ADDITION, 300 POUNDS OF 38-0-0 PER ACRE OR EQUIVALENT OF SLOW RELEASE OF THE CONDUIT, CHANNEL OR STRUCTURE TO THE POINT OF ENTRY INTO AN EXISTING STREAM OR PUBLICLY MAINTAINED 5. THE GAPS BETWEEN BALES SHALL BE CHINKED (FILLED BY WEDGING) STRAW BETWEEN THEM TO PREVENT WATER FROM ITROGEN MAY BE USED FOR TOPDRESSING. APPLY GROUND LIMESTONE (EQUIVALENT TO 50 PERCENT CALCIUM PLUS DRAINAGE SYSTEM, WHERE FLOW IS EXCESSIVE FOR THE ECONOMICAL USE OF AN APRON, EXCAVATED STILLING BASINS THE CONTRACTOR SHALL AT ALL TIMES KEEP SUFFICIENT ADDITIONAL SEDIMENTATION CONTROL FENCE AND/OR HAY BALES ON THE PROJECT SITE TO CONTROL UNFORESEEN EROSION AND/OR SEDIMENT PROBLEMS. IN THE EVENT OF A PROBLEM THE MAGNESIUM OXIDE) AS FOLLOWS: A MANUFACTURED MAT COMPOSED OF NON-BIODEGRADABLE POLYMER OR SYNTHETIC FIBERS MECHANICALLY. CONTRACTOR SHALL PROMPTLY STABILIZE THE PROBLEM AND CONTAIN ANY SEDIMENT AND THEN NOTIFY THE OWNER'S AGEN' CHANNEL FLOW APPLICATIONS SOIL TEXTURE TONS/ACRE LBS/1,000 SQUARE FEET STRUCTURALLY OR CHEMICALLY BOUND TOGETHER TO FORM A CONTINUOUS MATRIX EROSION AND SEDIMENT CONTROL CLAY, CLAY LOAM, AND HIGH ORGANIC SOIL BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, ORIENTED PERPENDICULAR TO THE CONTOUR, WITH ENDS OF DETERMINATION OF NEEDS. THE NEED FOR CONDUIT OUTLET PROTECTION SHALL BE DETERMINED BY COMPARING THE ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER. ALLOWABLE VELOCITY WHICH THE SOIL WILL WITHSTAND TO THE EXIT VELOCITY OF THE FLOW FROM THE CONDUIT. THI SANDY LOAM, LOAM, SILT LOAM PROVIDE PERMANENT TURF REINFORCEMENT WHERE DESIGN FLOWS EXCEED THE STABILITY OF THE SOILS AND/OF THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN FOR THE OWABLE VELOCITY FOR WATER OVER THE SOIL SHALL BE THAT GIVEN IN FIGURE OP-1 BELOW. THE EXIT VELOCIT THE REMAINING STEPS FOR INSTALLING A BALE BARRIER FOR SHEET FLOW APPLICATIONS APPLY HERE, WITH THE **OSED VEGETATION** THE WATER IN THE CONDUIT SHALL BE CALCULATED USING THE GREATER OF THE CONDUIT DESIGN STORM OR THE 25-YEAR LOAMY SAND, SAND QUENCY STORM. WHEN THE EXIT VELOCITY OF THE WATER IN THE CONDUIT EXCEEDS THE ALLOWABLE VELOCITY FOF THE MINIMUM STANDARDS FOR ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE THOSE OUTLINED IN THE "2002 HANCE THE ESTABLISHMENT OF VEGETATION AS THE FINAL SURFACE PROTECTION HE SOIL, OUTLET PROTECTION IS REQUIRED. OUTLET PROTECTION IS ALSO REQUIRED IF THE CONDUIT OUTFALL IS SE REFER TO COUNTY SOIL SURVEY REPORT FOR SOIL TEXTURES AT THE SITE THE BARRIER SHALL BE EXTENDED TO SUCH A LENGTH THAT THE BOTTOMS OF THE END BALES ARE HIGHER IN ELEVATION CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION. ALTERNATIVE MEASURES, METHODS. ABOVE THE RECEIVING CHANNEL (I.E., CANTILEVERED) CAUSING THE WATER TO DROP AT THE OUTLET END OF THE CULVERT. THAN THE TOP OF THE LOWEST MIDDLE BALE TO ASSURE THAT SEDIMENT LADEN RUNOFF WILL FLOW EITHER THROUGH OR MEANS AND TECHNIQUES MAY BE ALLOWED WITH THE PRIOR APPROVAL OF THE OWNER'S AGENT. LICABILITY 2. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING TOOTH OVER THE BARRIER BUT NOT AROUND IT. FIGURE OP-1 ALLOWABLE VELOCITIES FOR VARIOUS SOILS HARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHALL BE ON THE GENERA **GENERAL GUIDELINES** ELS WHERE DESIGN VELOCITIES EXCEED THE STABILITY LIMITS OF THE SOIL AND/OR VEGETATION, AND CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM, FINE SEEDBED IS PREPARED. ALL BUT CLAY OR SILTY SOILS MAINTENANCE ORED APPROACH IS DESIRED. SOIL TEXTURE ALLOWABLE VELOCITY (FT./SEC.) AND COARSE SANDS SHOULD BE ROLLED TO FIRM THE SEEDBED WHEREVER FEASIBLE. NO CONSTRUCTION ACTIVITY SHALL TAKE PLACE WITHIN AREAS DESIGNATED AS INLAND WETLANDS, WATERCOURSES OR BLE SOILS WHERE INTERMITTENT FLOW EXISTS. INSPECTION SHALL BE MADE AFTER EACH STORM EVENT AND PERIODICALLY DURING PROLONGED RAIN EVENTS AND REPAIR SAND AND SANDY LOAM REMOVE FROM THE SURFACE ALL STONES ONE INCH OR LARGER IN ANY DIMENSION UNLESS OTHERWISE SPECIFIED FLOODPLAINS, DESIGNATED UPLAND REVIEW ZONES OR WITHIN STREAM CHANNEL ENCROACHMENT LINES WITHOUT ALL OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED. REQUIRED APPROVALS AND/OR PERMITS. REMOVE ALL OTHER DEBRIS SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LUMPS OR OTHER O SOILS WITH SLOPES 2:1 OR FLATTER. ON SHORELINES ABOVE A PROTECTED OR STABLE TOE TO SILT LOAM UNSUITABLE MATERIAL 2. ACCUMULATED SEDIMENT BEHIND THE BALES SHALL BE REMOVED WHEN IT REACHES 1/2 OF THE ORIGINAL HEIGHT OF THE TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. SANDY CLAY LOAM INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED. THE AREA MUST BE RETILLED AND CONSIDERATIONS ALL EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED CONTINUOUSLY AND SHALL NOT BE REMOVED UNTIL ALL FIRMED AS ABOVE. GEOTEXTILE SILT FENCE CLAY LOAM DISTURBED AREAS HAVE BEEN STABILIZED. IUMB, WHEN FLOWS OVER EXPOSED SOILS EXCEED 2 FEET PER SECOND AND FLOWS OVER PROPOSED TURF SEEDING DATES CLAY, FINE GRAVEL, GRADED LOAM TO SOIL -6 FEET PER SECOND, THEN SOIL EROSION CAN BE EXPECTED. AREAS EXCI **MATERIALS** THE CONTRACTOR SHALL LIMIT THE DISTURBANCE OF LAND TO THOSE AREAS SHOWN ON THE DRAWINGS AND SHALL TAKE SPRING SEEDINGS USUALLY GIVE THE BEST RESULTS. SPRING SEEDINGS OF ALL SEED MIXES WITH LEGUMES IS RECOMMENDED, HOWEVER LATE SUMMER SEEDINGS PRIOR TO SEPTEMBER 15 CAN BE MADE. WHEN CROWN VETCH IS REASONABLE CARE TO PROTECT AND PRESERVE EXISTING VEGETATION WITHIN THE LIMITS OF DISTURBANCE WHERE **DESIGN CF** COBBLES GEOTEXTILE. GEOTEXTILE SHALL BE A PERVIOUS SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE FILAMENTS AND SEEDED IN LATE SUMMER AT LEAST 35 PERCENT OF THE SEED SHOULD BE HARD SEED (UNSCARIFIED). THE RECOMMENDED SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE FOLLOWING REQUIREMEN WHERE TURF REINFORCEMENT MATS ARE USED IN AREAS OF CONCENTRATED FLOWS AN ENGINEE WHERE PRACTICABLE. THE CONTRACTOR SHALL PLAN HIS CONSTRUCTION OPERATIONS SO AS TO LIMIT THE AREAS OF ESIGN IS REQUIRED EXPOSED SOIL TO ARÉAS ACTIVELY UNDER CONSTRUCTION. THE CONTRACTOR SHALL TAKE REASONABLE CARE TO LIMI IONS REFER TO THE MANUFACTURER'S RECOMMENDATIONS. PHYSICAL PROPERTY REQUIREMENTS RIPRAP APRONS THE PERIOD OF EXPOSURE OF DISTURBED AREAS. THE INSTALLATION OF PERMANENT VEGETATIVE MEASURES SHALL BE MARCH 15 THROUGH JUNE 15 FILTERING EFFICIENCY SEPTEMBER 1 THROUGH OCTOBER 15 DESIGN LIMITATIONS: NO BENDS OR CURVES AT THE INTERSECTION OF THE CONDUIT AND THE APRON PROTECTION WILL BE ADEQUATE PROVISIONS SHALL BE TAKEN TO PROTECT ALL EXPOSED CUT AND FILL SLOPES FROM SURFACE WATER FLOW TENSILE STRENGTH AT 20% (MAX) ELONGATION WITH THE EXCEPTION OF CROWN VETCH, THE FINAL SEEDING DATE MAY BE EXTENDED 15 DAYS IN THE COASTAL TOWNS OF PERMANENT ' REINFORCEMENT MATS SHALL: NEW LONDON, MIDDLESEX, NEW HAVEN AND FAIRFIELD COUNTIES. THERE SHALL BE NO VERTICAL DROP FROM THE END OF THE APRON TO THE RECEIVING CHANNEL EXTRA STRENGTH 50 LBS./LIN. IN. (MIN) IGHT RESISTANT POLYMER OR SYNTHETIC FIBERS MECHANICALL TURALLY, AND/OR ALL MATERIAL FROM CLEARING AND GRUBBING OPERATIONS SHALL BE DISPOSED OF IN A LAWFUL MANNEF HER FOR A CONTINUOUS MATRIX OF CONSISTENT THICKNESS STANDARD STRENGTH 30 LBS./LIN. IN. (MIN) OTHER OUTLET PROTECTIONS WATER FROM DEWATERING OPERATIONS SHALL NOT BE DISCHARGED DIRECTLY TO ANY WETLAND OR WATERCOURSE UNLESS OTHERWISE SPECIFIED, THE SEED MIXTURE SHALL BE NEW ENGLAND CONSERVATION/WILDLIFE MIX FROM NEW HAT POLLUTE THE AIR OR WATERS OF THE STATE WHEN PROPE 12 GAL./SF/MIN. (MIN.) SUCH WATER SHALL BE DISCHARGED TO AN APPROVED SEDIMENT BASIN AND/OR FILTER DEVICE OR TO A STORM DRAINAGE FLOW RATE STANDARD ENGINEERING PRACTICES ALLOW FOR MANY DIFFERENT TYPES OF OUTLET PROTECTION WHICH PROVIDE ENGLAND WETLAND PLANTS, INC. AMHERST, MA, OR ACCEPTED SUBSTITUTION. OF ANY SUBSTANCE TO TO PLANT GROWTH AND UNPROTECTED HUMAN SKIN OR WHICH IN ERFERES WITH SEED SYSTEM ONLY WHEN APPROVED. NO WATER FROM DEWATERING OPERATIONS SHALL BE DISCHARGED INTO A SANITARY NERGY DISSIPATION. COMMON OUTLET PROTECTIONS INCLUDE THE USE OF A RIPRAP APRON AND A RIPRAP STILLING STAKES FOR GEOTEXTILE SILT FENCES SHALL BE 1" x 1" WOOD WITH A MINIMUM LENGTH OF 5 FEET. SEEDING DEPTH IS FROM 1/4 TO 1/2 INCH. HYDROSEEDINGS WHICH ARE MULCHED MAY BE LEFT ON SOIL SURFACE. MATERIALS SHALL BE SELECT D AS APPROPRIATE FOR THE SPECIFIC SITE CONDITIONS IN A WIRE FENCE REINFORCEMENT FOR GEOTEXTILE SILT FENCES USING STANDARD STRENGTH MATERIAL SHALL BE A MINIMUM THE STORAGE, WASHING, FUELING AND MAINTENANCE OF EQUIPMENT AND VEHICLES SHALL TAKE PLACE IN DESIGNATED TIONS. USE OF ANY PARTICULAR PERMANENT TURF REINFO INSTALLATION REQUIREMENTS AREAS ONLY. IN THE EVENT OF A CONTAMINANT SPILL THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DEPARTMENT O WHERE FEASIBLE, EXCEPT WHERE EITHER A CULTIPACKER TYPE SEEDER OR HYDROSEEDER IS USED, THE SEEDBED OF 42 INCHES IN HEIGHT, A MINIMUM OF 14 GAUGE AND SHALL HAVE A MAXIMUM MESH SPACING OF 6 INCHES. SUPPORTED BY MANUFACT 'S TEST DATA THAT CONFIRMS THE MAT WILL PROVIDE THE LONG TERM EROSION CONTRO ENERGY AND ENVIRONMENTAL PROTECTION OIL AND CHEMICAL SPILL RESPONSE DIVISION (860-424-3338) AND THE OWNER'S SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER, OR LIGHT DRAG. SEEDING OPERATIONS SHOULD BE E SPECIFIC PROJECT, AND; INSTALL IN ACCORDANCE WITH THE REQUIREMENTS OF THE ENGINEERED DESIGN INSTALLATION REQUIREMENTS DO NOT CONTAIN NETTING MAINTENANCE PRESERVE AND CONSERVE SOIL 4. FROST CRACK SEEDING MUST BE DONE IN LATE WINTER OR EARLY SPRING. SUITABLE WEATHER CONDITIONS ARE FREEZING THE HEIGHT OF THE BARRIER SHALL NOT EXCEED 36 INCHES. (HIGHER BARRIERS MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE). THE SEDIMENTATION CONTROL FENCE SHALL BE PLACED 10 FEET NIGHTS AND THAWING DAYS WITH LITTLE OR NO SNOW COVER. SEEDING RATES MUST BE INCREASED 10 PERCENT WHEN INSTALLATION REQUIREM INTS INSPECT THE COMPLETED STRUCTURE ANNUALLY AND AFTER EACH MAJOR RAINFALL FOR DAMAGE AND DETERIORATION. AWAY FROM THE TOP OF SLOPES UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR DIRECTED BRANDY STREET AND TOPSOILING REPAIR DAMAGES IMMEDIATELY. NCE WITH MANUFACTURER'S REQUIREM WHEN JOINTS ARE NECESSARY, GEOTEXTILE ROLL ENDS SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A 5. HYDRAULIC APPLICATION (HYDROSEEDING), IS A SUITABLE METHOD FOR USE ON CRITICAL AREAS. WHEN HYDROSEEDING, A ACCORDANCE WITH THESE GUIDELINES. MODIFY THE SEQUENCE OF APPLICATION TO MEET THE MANUFACTURER'S EVEL SPREADER MINIMUM 6" OVERLAP AND SECURELY SEALED IN CONFORMANCE WITH THE MANUFACTURERS RECOMMENDATION SEEDBED IS PREPARED IN THE CONVENTIONAL WAY OR BY HAND RAKING TO LOOSEN AND SMOOTH THE SOIL AND TO **MATERIALS** REMOVE SURFACE STONES LARGER THAN ONE INCH IN DIAMETER. SLOPES MUST BE NO STEEPER THAN 2 TO 1 (2 FEET POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AND DRIVEN SECURELY INTO THE GROUND A MINIMUM DEPTH OF 12 HORIZONTALLY TO ONE FOOT VERTICALLY). LIME AND FERTILIZER MAY BE APPLIED SIMULTANEOUSLY WITH THE SEED. THE SITE INVESTIGATIONS SHALL BE MADE TO DETERMINE IF THERE IS A SUFFICIENT QUANTITY OF TOPSOIL OF GOOD QUALIT INSPECT THE INSTALLATION TO EN THAT THE MAT IS IN DIRECT CONTACT WITH THE PREPARED SOIL SURFACE, ALL LAP ON THE SITE TO JUSTIFY STRIPPING. HIGH QUALITY TOPSOIL SHALL BE FRIABLE AND LOAMY (LOAM, SANDY LOAM, SILT LOAM, SANDY CLAY LOAM). OTHER SOIL TYPES WITH HIGH ORGANIC CONTENT MAY BE FOUND SUITABLE AFTER USE OF FIBER MULCH ON CRITICAL AREAS IS NOT RECOMMENDED (UNLESS IT IS USED TO HOLD STRAW OR HAY). FIBER JOINTS ARE SECURE, ALL EDGES AND INTERIOR MATS ARE PROPERLY ANCHORED AND/OR TREATED, BACKFILLING FOLLOWS MULCH DOES NOT PROVIDE ADEQUATE SEEDBED PROTECTION. BETTER PROTECTION IS GAINED BY USING STRAW MULCH THE MANUFACTURER'S REQUIREMENTS, AND THE VEGETATIVE SOIL MEASURES USED HAVE BEEN CORRECTLY APPLIED. AN OUTLET FOR DIVERSIONS AND OTHER WATER CONVEYANCES CONSISTING OF AN EXCAVATED DEPRESSION WITH AND HOLDING IT WITH ADHESIVE MATERIALS OR 500 POUNDS PER ACRE OF WOOD FIBER MULCH. SEEDING RATES MUST BE WHEN STANDARD STRENGTH GEOTEXTILE IS USED. A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE TESTING, IT SHALL BE EREE OF DERRIS, TRASH STUMPS, ROCKS, ROOTS AND NOVIOUS WEEDS. IT SHALL GIVE EVIDENCE OF ROAD STABLE POINT OF DISCHARGE CONSTRUCTED AT ZERO GRADE ACROSS A SLOPE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS. THE BEING ABLE TO SUPPORT HEALTHY VEGETATION. IT SHALL CONTAIN NO SUBSTANCE THAT IS POTENTIALLY TOXIC TO PLANT INCREASED BY 10 PERCENT WHEN HYDROSEEDING WIRE SHALL EXTEND INTO A TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE APPLY MULCH ACCORDING TO THE TEMPORARY MULCHING MEASURE ENT MATS AT LEAST ONCE A WEEK IN WITHIN 24 HOURS OF THE END OF A STORM NISDECT DEDMANENT TI IDE DEINEODOEN ALL TOPSOIL SHALL BE TESTED BY A RECOGNIZED LABORATORY TO DETERMINE THE PROPER APPLICATION RATES OF LIME TURF HAS BECOME ESTABLISHED. MAT REDUCE THE DEPTH AND VELOCITY OF CONCENTRATED RUNOFF AND RELEASE IT UNIFORMLY AS SHEET FLOW EATER FOR FAILURES UNTIL TH WITH A RAINFALL AMOUNT OF 0.5 INCH OR (5. THE STANDARD STRENGTH GEOTEXTILE SHALL BE STAPLED, WIRED OR TIED TO THE WIRE FENCE, AND 8 INCHES OF THE IF SEEDING CANNOT BE DONE WITHIN THE SEEDING DATES, USE THE TEMPORARY MULCHING MEASURE TO PROTECT THE FAILURE HAS OCCURRED WHEN SOILS AND/ON SEED HAVE WASHED AWAY FROM BENEATH OR WITHIN THE MAT RESULTING SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD GEOTEXTILE SHALL BE EXTENDED INTO THE TRENCH. N A SOIL SURFACE THAT CAN BE EXPECTED TO CONTINUE TO ERODE OR WHEN THE MAT HAS BECOME DISLODGED FROM **INSTALLATION REQUIREMENTS** THE SOIL SURFACE. WHEN REPETITIVE FAILURIS OCCUR AT THE SAME LO ATION, REVIEW CONDITIONS AND LIMITATIONS OF TURF REINFORCEMENT MATS AND DETERMINE IT ADDITIONAL CONTROLS (E.G. DIVERSIONS, STONE BARRIERS) ARE NEEDED HIGEOTEXTILE OR BURLAP AND CLOSER POST SPACING ARE USED. THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. STRIPPING OF TOPSOIL SHALL BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA. THE DEPTH OF REMOVAL MAY VARY TO ENSURE SUCCESS. REPAIR MAT FAILURES WITHIN ONE WORK DAY WHERE THERE IS A NEED TO CARRY STORM WATER AWAY FROM DISTURBED AREAS AND TO AVOID STRESSIN LIME ACCORDING TO A SOIL TEST OR AT A MINIMUM OF EVERY FIVE YEARS USING A RATE OF TWO TONS PER ACRE (100 DEPENDING ON THE SITE CONDITIONS. ALL SEDIMENT CONTROLS SHALL BE IN PLACE PRIOR TO BEGINNING STRIPPING 7. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE GEOTEXTILE. POUNDS PER 1.000 SQUARE FEET). AFTER THE TURF HAS BECOME ESTABLISHED, INSPECT ANNUALLY OR A TER MAJOR STORM EVENTS. MENT REDUCED RUNOFF CAN BE RELEASED IN SHEET FLOW OVER A STABILIZED SLOPE WIT. MAINTENANCE WHERE GRASSES PREDOMINATE, FERTILIZE ACCORDING TO A SOIL TEST OR BROADCAST BIENNIALLY, 300 POUNDS OF TOPSOIL SHALL BE STOCKPILED IN SUCH A MANNER THAT NATURAL SURFACE WATER FLOW IS NOT OBSTRUCTED AND NO ENERGY DISSIPATORS 10-10-10 OR EQUIVALENT PER ACRE (7.5 POUNDS PER 1,000 SQUARE FEET) OFF-SITE SEDIMENT DAMAGE SHALL RESULT. **EROSION AND** INSPECTION SHALL BE MADE AFTER EACH STORM EVENT AND PERIODICALLY DURING PROLONGED RAINFALL. REPAIR OR WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL REPLACEMENT SHALL BE MADE AS REQUIRED. 3. WHERE LEGUMES PREDOMINATE. FERTILIZE ACCORDING TO A SOIL TEST OR BROADCAST EVERY THREE YEARS 300 POUNDS SIDE SLOPES OF STOCKPILES SHALL NOT BE STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL STONE CHECK DAM OF 0-20-20 PER ACRE OR EQUIVALENT (7.5 POUNDS PER 1,000 SQUARE FEET). WHERE THE AREA BELOW THE LEVEL SPREADER LIP HAS A SLOPE OF 5% OR FLATTER AND IS STABILIZED BY VEGETATION ACCUMULATED SEDIMENT BEHIND THE FENCE SHALL BE REMOVED WHEN IT REACHES 1/2 OF THE HEIGHT OF THE BARRIEF A SEDIMENT BARRIER SHALL SURROUND ALL TOPSOIL STOCKPILES. SEDIMENT CONTROL DEFINITION NON-LIVING SOIL PROTECTION PLANNING CONSIDERATIONS TEMPORARY SEEDING OF STOCKPILES SHALL BE COMPLETED WITHIN 30 DAYS OF THE FORMATION OF THE STOCKPILE, IN A TEMPORARY STONE DAM PLACED ACROSS A DRAI ACCORDANCE WITH THE TEMPORARY VEGETATIVE COVER REQUIREMENTS MULCH FOR SEED ON MEASURE AND THE WATER BAR MEASURE EACH CALLS FOR A STABLE OUTLET FOR WATER FLOWS. THE LEVEL SPREADER IS A RELATIVELY LOW-COST S UCTURE TO RELEASE SM PREVIOUSLY ESTABLISHED GRADES ON THE AREAS TO BE TOPSOILED SHALL BE MAINTAINED ACCORDING TO THE PURPOSE VOLUMES OF CONCENTRATED FLOW WHERE SITE CONDITIONS ARE SUITABLE. TO REDUCE THE VELOCITY OF CONCENTRATED STORM WATER FLOWS, THEREBY REDUCING EROSION OF THE CHECK THE PROPOSED CATION OF THE LEVEL SPREADER TO ENSURE IT CAN BE CONST WHERE THE pH OF THE SUBSOIL IS 6.0 OR LESS, GROUND AGRICULTURAL LIMESTONE SHALL BE SPREAD IN ACCORDANCE SELECT MULCH MATERIALS BASED ON SITE CONDITIONS, AVAILABILITY OF MATERIALS AND LABOR AND EQUIPMENT. OTHER UNDISTURBED GROUND. ANY DEPRESSIONS IN THE OUTLET LIP OF THE SPREADER COULD CONCENTRATE FLOW, AND RESULT IN EROSION. CHECK CONDITIONS DOWNSLOPE FORM THE SPREADER TO ENSUFE THE RUNOFF WATER WILL NOT WITH THE SOIL TEST TO A pH OF 6.0 TO 6.5 OR THE VEGETATIVE ESTABLISHMENT PRACTICE BEING USED MATERIALS MAY BE USED ONLY WITH THE PERMISSION OF THE APPROVING AUTHORITY TO TEMPORARILY POND STORM WATER RUNOFF TO ALLOW SELIMENTS TO SETTLE OUT. RECONCENTRATE AFTER RELIASE UNLESS IT OCCURS DURING INTERCEPTION BY ANOTHER MEASURE (SUCH AS A AFTER THE AREAS TO BE TOPSOILED HAVE BEEN BROUGHT TO GRADE, AND IMMEDIATELY PRIOR TO SPREADING THE INSTALLATION REQUIREMENTS TOPSOIL, THE SUBGRADE SHALL BE LOOSENED BY DISCING OR SCARIFYING OR TRACKING TO A DEPTH OF AT LEAST 4 INCHES TO ENSURE BONDING OF THE TOPSOIL AND SUBSOIL. BASIN) LOCATED BELOW THE LEVEL SPREADER PERMANENT POND OR DETEI **APPLICABILITY** PERMITTING FOR HIGHER DESIGN FLOW CONDITIONS, A RIGID OUTLET LIP DESIGN IS REQUIRED. ORGANIC MULCHES ENSURE THE DESIRED SHEET FLOW WHERE CONCENTRATED FLOWS ARE EXPECTED TO CA TOPSOIL SHALL NOT BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBGRADE IS EXCESSIVELY WET, OR 1. ORGANIC MULCHES MAY BE USED IN ANY AREA WHERE MULCH IS REQUIRED, SUBJECT TO THE RESTRICTIONS NOTED BELOW N A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING OR PROPOSED SODDING OR SEEDING. THE FOR TEMPORARY DRAINAGEWAYS WHICH, BECAUSE (LENGTH OF SERVICE, WILL NOT RECEIVE A SPECIAL CARE SHALL BE TAKEN WHEN DESIGNING LEVEL SPREADERS ON TERRICE ESCARPMENTS LOCATED IN THE TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED TO A MINIMUM COMPACTED DEPTH OF 6 INCHES, UNLESS OTHERWISE NOTED NON-ERODABLE LINING BUT STILL NEED PROTECTION TO REDUCE EROSION DINECTICUT RIVER VALLEY. THESE I REAS ARE VERY SUSCEPTIBLE TO EROS ON BY THE CONCENTRATION FLOWS ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN RATES CONSIDER USING ALTERNATIVE METH S TO DISCHARGE RUNOFF THROUGH IE ESCARPMENT AREA. ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS. OR PERMANENT DRAINAGEWAYS WHICH, FOR SOME REASON, WILL NOT RECEIVE A PERMANENT NON-ERODABLE LINING MULCHES PER ACRE PER 1,000 SQUARE FEET ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSI FOR AN EXTENDED PERIOD OF TIME. DESIGN CRITERIA TOPSOIL SHALL BE COMPACTED ENOUGH TO ENSURE GOOD CONTACT WITH THE UNDERLYING SOIL AND TO OBTAIN A NIFORM FIRM SEEDBED FOR THE ESTABLISHMENT OF A DURABLE TURF. UNDUE COMPACTION IS TO BE AVOIDED AS IT STRAW OR HAY 1 1/2 - 2 TONS 35-45 LBS FOR TEMPORARY OR PERMANENT DRAINAGE TION DURING THE ESTABLISHMENT OF VEGETATIVE T THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZ SLOPES SHALL BE SUFFICIENTLY SMOOTH O PRESERVE SHEET FLOW AN PREVENT FLOW FROM CONCENTRATING INCREASES RUNOFF VELOCITY AND VOLUME, AND PREVENTS SEED GERMINATION. R A TEMPORARY SEDIMENT TRAP OR A TEMPORARY SEDIMENT BASIN, APPLICATION HOWEVER, STONE CHECK DAMS MAY BE USED CONJUNCTION WITH THOSE MEASURES. IMMEDIATELY FOLLOWING TOPSOIL APPLICATION, PROTECT THE TOPSOIL FROM EROSION BY EITHER SODDING, SEEDING CRITERIA PROVIDED BELOW ARE FOR FLOWS FROM A 10-YEAR FREQUENCY STORM THAT IS EQUAL TO OR LESS THAN 20 CI UNAUTHORIZED ALTERATIONS. PRACTICES THAT WILL RESULT IN A DIFFUSE 210 < 20 CFS). FOR HIGHER FLOWS USE O MULCH MATERIALS SHALL BE SPREAD UNIFORMLY, BY HAND OR MACHINE. WHEN SPREADING STRAW OR HAY MULCH BY PLANNING CONSIDERATIONS HAND. DIVIDE THE AREA TO BE MULCHED INTO APPROXIMATELY 1,000 SQUARE FOOT SECTIONS AND PLACE 35-45 POUNDS LAND GRADING (3/4 TO 1 BALE) OF STRAW OR HAY IN EACH SECTION TO ENSURE UNIFORM DISTRIBUTION. A STONE CHECK DAM IS CONSIDERED TO IPORARY IF IT IS USED LESS THAN 1 YEAR. IT IS CONSIDERED TO BE SPREADER DIMENSIONS PERMANENT IF IT IS USED MORE THAN 1 Nathan L. Jacobson & Associates, Inc. ANCHORING ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION IN DETERMINE THE SIZE OF THE LEVEL SPREADER BY HE PEAK FLOW EXPECTED FROM A 10-YEAR STORM (Q10) 86 Main Street P.O. Box 337 DESIGN REQUIREMENTS INAGE AREA LENGTH C ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN UNTIL THEY ARE PERMANENTLY STABILIZED. HAY OR STRAW MULCHES MUST BE ANCHORED IMMEDIATELY AFTER APPLICATION TO PREVENT WINDBLOWING. HAY OR Chester, Connecticut 06412-0337 SELECT THE APPROPRIATE LENGTH, WIDTH AND DE AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS OR STRAW MULCH MAY BE ANCHORED BY TRACKING WITH CONSTRUCTION EQUIPMENT, BUT NOT BY USING NETTING NO ENGINEERED DESIGN R = 2 ACRES <6 MO Tel: (860) 526-9591 Fax: (860) 526-5416 OTHER OBJECTIONABLE MATERIAL PROVIDE A 20-FOOT TRANSITION SECTION IN THE DI IANNEL SO THAT THE WIDTH OF THE DIVERSION WILL >2 ACRES 2-YR FREQUENCY STORM 6 MONTHS TO <1 www.nlja.com SMOOTHLY TRANSITION WITH THE WIDTH OF THE SPR ENSURE MORE UNIFORM OUTFLOW. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER Jacobson Consulting Civil and Environmental Engineers Since 1972 ALL MULCHES MUST BE INSPECTED PERIODICALLY, IN PARTICULAR AFTER RAINSTORMS, TO CHECK FOR RILL EROSION. 25-YR FREQUENCY STORM IY DRAINAGE SIZE >1 YEAR MAKE THE DEPTH OF THE LEVEL SPREADER, AS MEASURED ROM THE LIP, AT LEAST 6 INCHES. THE DEPTH MAY BE MADE WHERE EROSION IS OBSERVED, ADDITIONAL MULCH SHOULD BE APPLIED. NETS SHALL BE INSPECTED AFTER RAINSTORMS GREATER TO INCREASE TEMPORARY STORAGE CAP FOR DISLOCATION OR FAILURE. IF WASHOUTS OR BREAKAGE OCCUR, REINSTALL NET AS NECESSARY AFTER REPAIRING DAMAGE TO THE SLOPE. INSPECTIONS SHALL TAKE PLACE UNTIL GRASSES ARE FIRMLY ESTABLISHED. GRASSES SHALL NOT FILL MATERIAL SHALL BE FREE OF BRUSH, RUBBISH, ROCKS, LOGS, STUMPS, BUILDING DEBRIS AND OTHER OBJECTIONABLE DESIGN CRITERIA ANY SUSPENDED SOLIDS BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED WHICH IS MATURE ENOUGH TO CONTROL SOIL EROSION AND TO SURVIVE SEVERE WEATHER CONDITIONS. WHERE MULCH IS USED IN CONJUNCTION WITH ORNAMENTA FOR USE OF A STONE CHECK DAM LESS THAN 1 YEAR, DESIGN THE STONE CHECK DAM TO SAFELY PASS THE PEAK FLOW NOT VALID WITHOUT ORIGINAL SEAL FROZEN MATERIAL OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS. EXPECTED FROM A 2-YEAR FR CY STORM WITHOUT STRUCTURAL FAILURE AND A ERSE TAILWATER EFFECTS PLANTINGS, INSPECT PERIODICALLY THROUGHOUT THE YEAR TO DETERMINE IF MULCH IS MAINTAINING COVERAGE OF THE DESIGN FLOW, Q10 (CFS) DEPTH (FT.) IDTH OF LOW SIDE SLOPE SPREADER (FT.) LENGTH (FT.) M EXCEEDING 1 YEAR, DESIGN THE STONE CHECK DAM TO SAFELY PASS THE PEAK FLOW QUENCY STORM WITHOUT STRUCTURAL FAILURE OF THE CHECK DAM AND ADVERSE FILL SHALL NOT BE PLACED ON A FROZEN FOUNDATION. EXPECTED FROM A 25-YEAR FR TOPSOILING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE REQUIREMENTS FOR TOPSOILING. TEMPORARY EROSION CONTROL BLANKET ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINISHED GRADING. DUST CONTROL THE GRADE OF THE CHANNEL FOR THE L 20 FEET OF THE DIKE OR DIVERSION ENTERING THE LEVEL SPREADER SHALL CK DAMS, CONSTRUCT THE STONE CHECK DAM IN ACCORDANCE WITH THE DESIGN A MANUFACTURED BLANKET COMPOSED OF BIODEGRADABLE/PHOTODEGRADABLE NATURAL OR POLYMER FIBERS AND/OR NO STEEPER THAN 1%. STANDARDS AND SPE TIONS. FOR ALL NON-ENGINEERED STONE CHECK DAMS, COMPLY I ILAMENTS THAT HAVE BEEN MECHANICALLY, STRUCTURALLY OR CHEMICALLY BOUND TOGETHER TO FORM A CONTINUOUS INSTALLATION REQUIREMENTS **SPECIFICATIONS** THE GRADE OF THE LEVEL SPREADER IANNEL SHALL BE 0.0%. WATER SPREADER LIP REQUIREMENTS OF DOT STANDARD SPECIFICATIONS SECTION M.01.01, 2 CRUSHED STONE. THE THE LEVEL LIP OF THE SPREADER SHALL BE OF UNIFORM HEIGHT AND ZERO GRADE OVER THE LENGTH OF THE SPREADER THE EXPOSED SOIL SURFACE SHALL BE MOISTENED PERIODICALLY WITH ADEQUATE QUANTITIES OF WATER TO CONTROL TO PROVIDE TEMPORARY SURFACE PROTECTION TO NEWLY SEEDED AND/OR DISTURBED SOILS TO ABSORB RAINDROP D. TOUGH, DURABLE, ANGULAR, NOT SUBJECT TO DISINTEGRATION ON EXP URBED WELL-VEGETATED AREA HAVING A MAXIMUM SLOPE OF 5%. SLOPES SHALL BE IMPACT AND TO REDUCE SHEET AND RILL EROSION AND TO ENHANCE THE ESTABLISHMENT OF VEGETATION WEATHERING, BE CHAMICALLY STABLE, AND SHALL BE SUITABLE IN ALL OTHER RESPECTS FOR TH SUFFICIENTLY SMOOTH TO P RVE SHEET FLOW AND PREVENT FLOW FROM CO STONE APPLICABILITY JOSEPH M. DILLON BE STABILIZED BY VEGETATION OR MAY BE OF A RIGID NON-ERODIBLE MATERIAL DEPENDII COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL. IN AREAS ADJACENT TO WATERWAYS USE CHEMICALLY ON THE EXPECTED DESIGN CT REGISTRATION No. 22903 1. ON DISTURBED SOILS WHERE SLOPES ARE 2:1 OR STEEPER HAND OR MACHINE, MAKING THE SIDE SLOPES NO STEEPER THAN 1.5:1 (I.E., THI STABLE AGGREGATE GHT OF 3 FEET AT THE CENTER OF THE CHECK DAM. A GEOTEXTILE MAY BE USED ALL BE CONSTRUCTED WITH AN EROSION-RESISTANT MATERIA 2. WHERE WIND AND TRAFFIC GENERATED AIR FLOW MAY DISLODGE STANDARD, UNARMORED MULCHES TO PROVIDE A ABLE FOUNDATION AND TO FACILITATE REMOVAL OF THE STONE. OR TEMPORARY EROSION CONTROL BLANKETS, TO INHIBIT EF REINFORCEMENT MATTI ION AND ALLOW VEGETATION MAINTENANCE © COPYRIGHT 2025 NATHAN L. JACOBSON & ASSOCIATES INC. BECOME ESTABLISHE MAY BE USED AS A SUBSTITUTE FOR TEMPORARY SOIL PROTECTION ALL RIGHTS RESERVED. THE MINIMUM HEIGHT OF THE CHECK DAM SHALL BE THE FLOW DEPTH OF THE DRAIN WHEN TEMPORARY DUST CONTROL MEASURES ARE USED, REPETITIVE TREATMENT SHALL BE APPLIED AS NEEDED TO ED 3 FEET IN HEIGHT AT THE CENTER. EXTEND THE STONE CHECK DAM TO THE FULL WIDTH OF THE OWS AND PERMANENT INSTALLATIONS, A RIGID LIP OF NON-ERODIBLE 4. MAY BE USE AS A SUBSTITUTE FOR MULCH FOR SEED PRESSURE-TREATED TIMBERS OR CONCRETE CURBING, SHALL BE USED. REVISIONS Y 6 INCHES LOWER THAN THE HEIGHT OF THE OUTER EDGES. VEGETATIVE SOIL COVER PLANNING CONSIDERATION FIGURE LS-2 DISCH RGE LIMITATION DESCRIPTION M SPACING BETWEEN CHECK DAMS SHALL BE SUCH THAT THE TOE OF THE UPSTREAM CHECK DA $oldsymbol{N}$ IS AT THE THE SUCCESS OF TEMPORARY EROSION CONTROL BLANKETS IS DEPENDENT UPON STRICT ADHERENCE TO THE ATION AS THE TOP OF THE CENTER OF THE DOWNSTREAM CHECK DAM. DESIGN FLOW (CFS) SPREADER TEMPORARY SEEDING MANUFACTURER'S INSTALLATION RECOMMENDATIONS NS IN DRAINAGEWAYS ON SLOPES AND AT CULVERT INLETS: WHERE CATCH BASINS IN DRAINAG INSTALLATION REQUIREMENTS MATERIALS /E THE CATCH BASIN OR CULVERT. FOR CULVERT INLETS, LOCATE THE CHECK DAM AT LEAST $6\,{\sf FEE^-}$ 1. TEMPORARY EROSION CONTROL BLANKETS SHALL BE COMPOSED OF FIBERS AND/OR FILAMENTS THAT: INSTALL ATION REQUIREMENTS SITE PREPARATION ASINS IN DEPRESSIONS OR LOW SPOTS (YARD DRAINS): ENCIRCLE THE ENTIRE CATCH BASIN WITH A STO A. ARE BIODEGRADABLE OR PHOTODEGRADABLE WITHIN TWO YEARS BUT WITHOUT SUBSTANTIAL DEGRADATION OVER GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH CT THE LEVEL SPREADER ON UNDISTURBED SOIL (NOT FILL MATERIAL). O EXCEED 18 INCHES IN HEIGHT AND 3 FEET OUT FROM THE OUTSIDE EDGE OF THE TOP OF THE FRAMI THE PERIOD OF INTENDED USAGE (FIVE MONTHS MAXIMUM); PPLICATION AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH THE REQUIREMENTS FOR THE ENTRANCE TO THE SPREADER IN SUCH A MANNER AS TO ENSURE THAT RUNOFF ENTERS DIRECTLY ONTO THE RT INLETS: LOCATE THE STONE CHECK DAM APPROXIMATELY 6 FEET FROM THE CULVERT IN THE DIRECTION C B. ARE MECHANICALLY. STRUCTURALLY OR CHEMICALLY BOUND TOGETHER TO FORM A CONTINUOUS MATRIX OF EVEN CKNESS AND DISTRIBUTION THAT RESIST RAINDROP SPLASH AND WHEN USED WITH SEEDINGS ALLOW VEGETATION INSTALL NEEDED EROSION CONTROL MEASURES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, SEDIMENT BASINS AND GRASSED WATERWAYS TO PENETRATE THE BLANKET; TRUCT A 20-FT. LONG TRANSITION SECTION FROM THE DIVERSION CHANNEL TO BLEND SMOOTHLY TO THE AINTENANCE DATE: MARCH 202 C. ARE OF SUFFICIENT STRUCTURAL STRENGTH TO WITHSTAND STRETCHING OR MOVEMENT BY WIND OR WATER WHEN SEEDBED PREPARATION INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS MANENT STONE CHECK DAMS, INSPECT AND MAINTAIN THE STONE CHECK DAM IN ACCORDANCE WITH THE STRUCT THE LEVEL LIP AT 0.0% GRADE TO ENSURE UNIFORM SPREADING OF STORM WATER RUNOFF FLOW SCALE: NONE ANDARDS AND SPECIFICATIONS PROVIDED IN THE DESIGN. APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS THOSE OFFERED BY THE PROJECT No. 09630054 D. ARE FREE OF ANY SUBSTANCE TOXIC TO PLANT GROWTH AND UNPROTECTED HUMAN SKIN OR WHICH INTERFERES HE PROTECTIVE COVERING FOR A VEGETATED LIP SHALL BE A MINIMUM OF 4 FEET WIDE EXTENDING 6 INCHES OVE UNIVERSITY OF CONNECTICUT SOIL TESTING LABORATORY. SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL COOPERATIVE EXTENSION SERVICE OFFICE. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 300 POUNDS PER ACRE OR 7.5 POUNDS PER 1,000 SQUARE OR TEMPORARY STONE CHECK DAMS, INSPECT STONE CHECK DAMS AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OI IP AND BURIED 6 INCHES DEEP IN A VERTICAL TRENCH ON THE LOWER EDGE. BUTT THE UPPER SMOOTHLY CUT SOD, CADD FILE: 09630054ED END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCH OR GREATER TO DETERMINE MAINTENANCE NEEDS. SECURELY HOLD IN PLACE WITH CLOSELY SPACED HEAVY DUTY WIRE STAPLES E. CONTAIN NO CONTAMINANTS THAT POLLUTE THE AIR OR WATERS OF THE STATE WHEN PROPERLY APPLIED; DESIGNED: FEET OF 10-10-10 OR EQUIVALENT. APPLY LIMESTONE (EQUIVALENT TO 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) AS REMOVE THE SEDIMENT DEPOSITS WHEN DEPOSITS REACH APPROXIMATELY HALF THE HEIGHT OF THE CHECK DAM. ENTRENCH THE RIGID LEVEL LIP AT LEAST 2 INCHES BELOW EXISTING GROUND AND SECURELY ANCHOR TO PREVENT TPH F. PROVIDE EITHER 80% - 95% SOIL COVERAGE WHEN USED AS A SUBSTITUTE FOR MULCH FOR SEED OR 100% INITIAL DRAWN: DISPLACEMENT. PLACE AN APRON OF DOT 2" CRUSHED STONE OR MODIFIED RIPRAP AT THE TOP OF THE LEVEL LIP AN CHECKED:

HIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW URPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION BARGER PROPERTY

WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL I ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHEF HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAI

Pipe Capacity Report Barger Property

Solve For: Discharge

Culvert Summary				
Allowable HW Elevation	675.00 ft	Headwater Depth/Height	2.74	
Computed Headwater Eleva	675.00 ft	Discharge	7.34	cfs
Inlet Control HW Elev.	673.57 ft	Tailwater Elevation	671.58	ft
Outlet Control HW Elev.	675.00 ft	Control Type	Outlet Control	
Grades				
Upstream Invert	671.58 ft	Downstream Invert	668.30	ft
Length	250.00 ft	Constructed Slope	0.013120	ft/ft
Hydraulic Profile				
Profile Pres	sureProfile	Depth, Downstream	3.28	ft
Slope Type	N/A	Normal Depth	0.94	ft
Flow Regime	N/A	Critical Depth	1.08	ft
Velocity Downstream	5.98 ft/s	Critical Slope	0.010125	ft/ft
Section Shape Section Material HDRF (Smo	Circular	Mannings Coefficient	0.012	ft
Section Material HDPE (Smo		Span	1.25	
Section Size Number Sections	15 inch	Rise	1.25	IL
Number occions	1			
	1			
Outlet Control Properties	1			
Outlet Control Properties Outlet Control HW Elev.	1 675.00 ft	Upstream Velocity Head	0.56	ft
· · · · · · · · · · · · · · · · · · ·		Upstream Velocity Head Entrance Loss	0.56 0.11	
Outlet Control HW Elev.	675.00 ft	•		
Outlet Control HW Elev. Ke	675.00 ft	•		
Outlet Control HW Elev. Ke Inlet Control Properties	675.00 ft 0.20	Entrance Loss	0.11	ft
Outlet Control HW Elev. Ke Inlet Control Properties Inlet Control HW Elev.	675.00 ft 0.20	Entrance Loss Flow Control	0.11 Submerged 1.2	ft
Outlet Control HW Elev. Ke Inlet Control Properties Inlet Control HW Elev. Inlet Type Groove end K M	675.00 ft 0.20 673.57 ft d projecting 0.00450 2.00000	Flow Control Area Full HDS 5 Chart HDS 5 Scale	0.11 Submerged 1.2 1	ft
Outlet Control HW Elev. Ke Inlet Control Properties Inlet Control HW Elev. Inlet Type Groove end	675.00 ft 0.20 673.57 ft d projecting 0.00450	Entrance Loss Flow Control Area Full HDS 5 Chart	0.11 Submerged 1.2	ft



BY SMD	DATE 18125 SUBJECT BARGET PORETTY	SHEET NO OF
CHKD. BY	DATE SEOUR HOLE DIMENSIONS	JOB NO 963-0054

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= (0.5) 1.29 = 0.625'			28 a F a 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				97.04577 - 100 mm		
L= 3 Rp+60			Andrews and the second	TO SHARE THE SHA		SEPTION OF THE SERVICE AND ADDRESS OF THE SERVIC			
= 3(1.25)+6 = 7.50	(0.625)					Committee of the commit			
W= 2 Rp+6D			\$ 1			SHatemann (1) and (1)			
= 2(1,25)+6 = 6,25'	(0.625)	Michigan Communication (Communication Communication Commun		The state of the s		And the second s			
	Section of the sectio	Committee and Co		97-06-0 p	Manual States	Magazine Control of the Control of t	ACCOUNTS OF THE PROPERTY OF TH	THE PERSON OF TH	



August 18, 2025

IW-25-12

Inland Wetlands

Status: Active

Submitted On: 8/15/2025

Primary Location

44 NOTCH RD BOLTON, CT 06043

Owner

Noah Ludecke Notch Road 44 Bolton, CT 06043

Applicant

Noah Ludecke 360-816-4374

@ ludecke.noah@gmail.com

44 Notch Road Bolton, CT 06043

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△ Conditions

■ Petition Received?

□ Date Received

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△ Summary of Inland/Wetlands Commission Action

■ Bond Required?

Additional Applicant Info	
Applicant Type* Owner	
Permit Info	
Type of Application*	Permit For*
New Application	Administrative Wetlands
Occupancy Type* Residential (Single Family/Duplex)	Lots —
Work Description [⋆] ②	
Removal of out of control / invasive plan watercourse with heavy equipment. Are ground cover vegetation.	
Development Title	
○ Comments	

Distance from Inland Wetlands and Watercourses:

Proposed Distance
_
formation
Total area of wetlands to be affected by the activity (acres) —
Stream alternation (linear feet)
Area of wetlands/watercourses restored, enhanced, or created (acres)

Described how the proposed activity affects wetlands, watercourses, and the regulated areas.

Heavy equipment will be used within 100ft of watercourse to remove nuisance and invasive plants.

Described measures that will be taken to minimize the impact on wetlands, watercourses, and the regulated areas.

Straw wattles will be used to prevent intrusion of exposed soil into watercourse. Covering of disturbed areas with grass seed and straw in low slope areas. Wood chips will be used on steep slope to prevent return of invasive plants. Native ground cover plants will be placed atop and trained down steep sloped area. Any exposed soil will be covered as the work progresses to prevent erosion between working periods.

Is there a Conservation or Preservation Restruction on the Property?

No

Is this an activity associated with a use for which you intend to apply to the Planning & Zoning Commission?

No

Please read and check the following statements. By checking these boxes, you agree to abide by the statutes and ordinances of the Town of Bolton and the State of Connecticut.

I understand that the Commission may require additional information at any time during the review of the application as described in Section 7.6 of the Inland Wetlands and Watercourses Regulations. *



The Applicant must ensure that this application is complete and conforms with the Inland Wetlands and Watercourses Regulations (available at the Land Use Office for \$10.00). Ten (10) copies of supporting documents must be provided. The Commission encourages the applicant to discuss any project with the Town Staff and/or the Commission before submitting an application. The Commission requests that applications be submitted at least one week before the meeting.*



The Agency shall monitor all Bolton wetland and watercourses and have enforcement powers as described in Section 14 of the Inland Wetlands and Watercourses Regulations. The Commission Members and designed agent(s) may make regular inspections upon reasonable notice of all regulated activities to investigate possible violations of the Inland Wetlands and Watercourses Regulations.*

If this application is filed with the Inland Wetlands
Agent under Section 12.1 of the Inland Wetlands and
Watercourses Regulations, the Applicant may appeal
the Agent's decision according to the process
descibed in section 12.2 of the Inland Wetlands and
Watercourses Regulations.*



Attorney Info

Name

/

Address

City	State
Zip	Phone
Email	
Engineer Information	
Company Name	Engineer Name
Address	City
State	Zip
Phone	Registration #
Insurance Expiration	AOR
Email	
Additional Project Info	
■ Date of Receipt	

≜ Extended	
_	
Total Acreage	Distance to Town Line
_	_
Hearings Completion Deadline	□ Decision Deadline

Attachments



List of Names and Addresses of Abutting Property Owners

Abutting Properties.pdf Uploaded by Danielle Palazzini on Aug 18, 2025 at 8:52 AM



44 Notch - contour blank.jpg

44 Notch - contour blank.jpg Uploaded by Noah Ludecke on Aug 15, 2025 at 9:18 PM



44 Notch - satelite acres.jpg

44 Notch - satelite acres.jpg
Uploaded by Noah Ludecke on Aug 15, 2025 at 9:19 PM



44 Notch - distance max.jpg

44 Notch - distance max.jpg
Uploaded by Noah Ludecke on Aug 15, 2025 at 9:20 PM



44 Notch - width.jpg

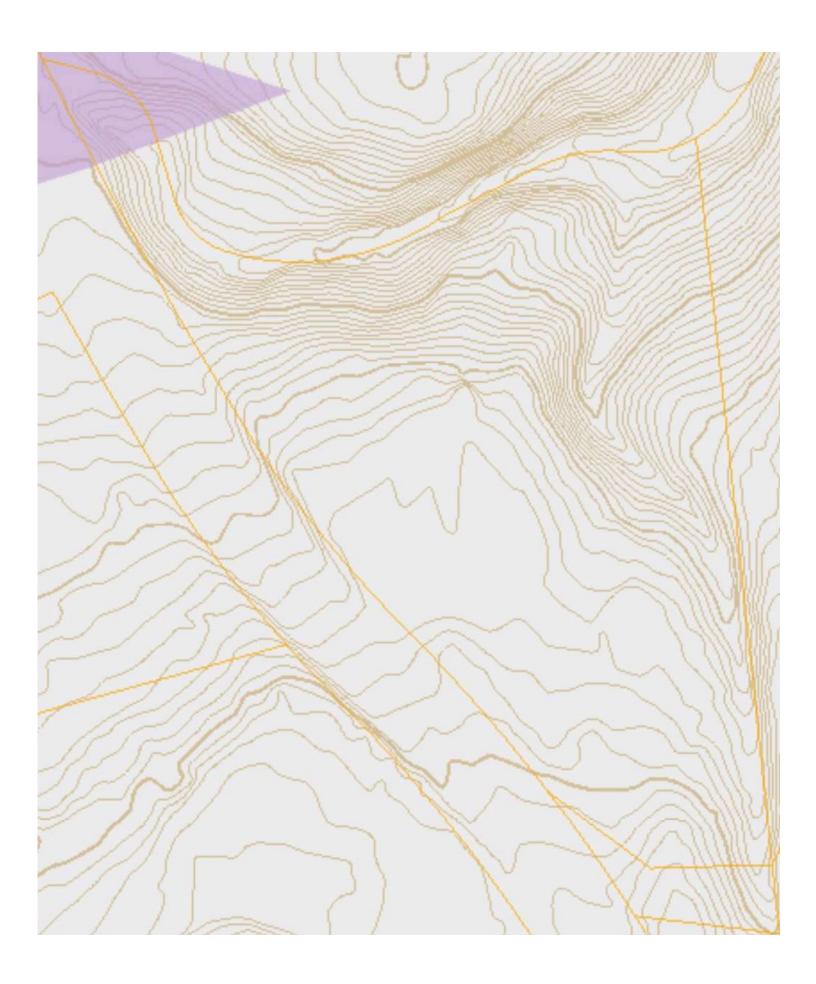
44 Notch - width.jpg Uploaded by Noah Ludecke on Aug 15, 2025 at 9:24 PM



44 Notch - water 2.jpg

44 Notch - water 2.jpg

Uploaded by Noah Ludecke on Aug 15, 2025 at 9:26 PM

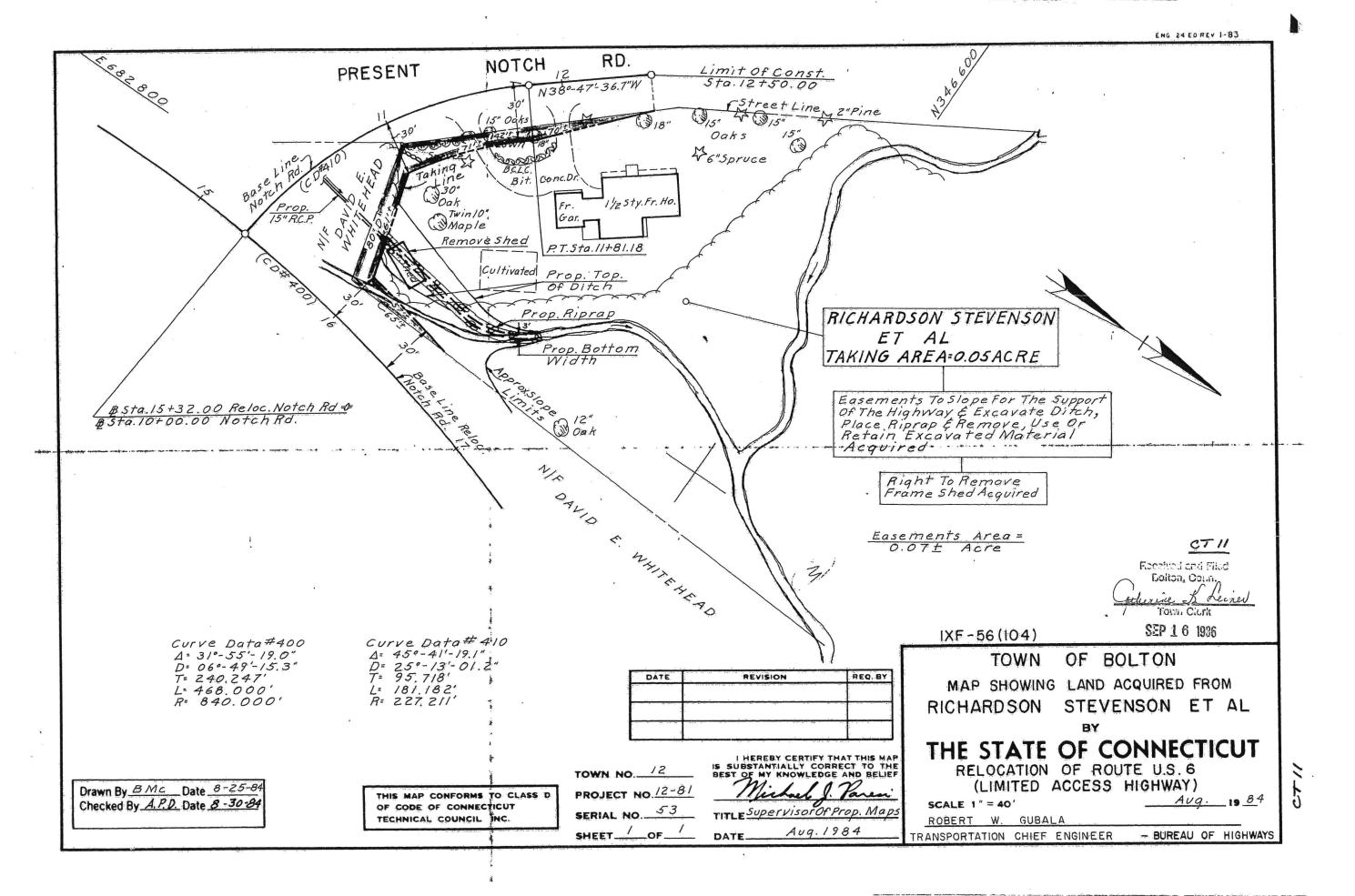












Internal date of the state of t

Abutting Properties				
SARGENT NICOLE E	48 NOTCH RD	BOLTON, CT 06043		
MITCHELL NANCY ANN	36 NOTCH RD	BOLTON, CT 06043		
BOLTON TOWN OF	222 BOLTON CENTER RD	BOLTON, CT 06043		



August 22, 2025

IW-25-14

Inland Wetlands

Status: Active

Submitted On: 8/22/2025

Primary Location

139 VERNON RD BOLTON, CT 06043

Owner

Diane Toomey 139 VERNON ROAD BOLTON, CT 06043

Applicant

ronald Bisson 860-883-2001

@ squeekysfarm@comcast.net

♠ 129 BEAR SWAMP RD ANDOVER, CT 06232

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△ Conditions

■ Petition Received?

■ Date Received

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△ Summary of Inland/Wetlands Commission Action

■ Bond Required?

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Additional Applicant Info					
Applicant Type*					
Contractor					
Permit Info					
Type of Application*	Permit For*				
New Application	Administrative Wetlands				
Occupancy Type* Residential (Single Family/Duplex)	Lots —				
Work Description* ②					
cutting and removing of stumps and tre feet in from the lake. Area of work is app scrub and select trees to create view co	orox. 50 ft wide x 150 ft long. Cutting				
Development Title					
△ Comments					

Distance from Inland Wetlands and Watercourses:

Current Distance Proposed Distance 50 Wetland / Watercourses Project Information Size of Subject Property (acres) Total area of wetlands to be affected by the activity (acres) 5 6500 Open water body altered (acres) Stream alternation (linear feet) 0 0 Buffer/upland area altered (acres) Area of wetlands/watercourses restored, enhanced, or created (acres) 0.6 0.6 Described how the proposed activity affects wetlands, watercourses, and the regulated areas. removal of tree stumps Described measures that will be taken to minimize the impact on wetlands, watercourses, and the regulated areas. silt fencing installed, new top soil and hydroseeds, and straw Is there a Conservation or Preservation Restruction on Is this an activity associated with a use for which you the Property? intend to apply to the Planning & Zoning Commission? No No

Please read and check the following statements. By checking these boxes, you agree to abide by the statutes and ordinances of the Town of Bolton and the State of Connecticut.

I understand that the Commission may require additional information at any time during the review of the application as described in Section 7.6 of the Inland Wetlands and Watercourses Regulations.*



The Applicant must ensure that this application is complete and conforms with the Inland Wetlands and Watercourses Regulations (available at the Land Use Office for \$10.00). Ten (10) copies of supporting documents must be provided. The Commission encourages the applicant to discuss any project with the Town Staff and/or the Commission before submitting an application. The Commission requests that applications be submitted at least one week before the meeting.*



The Agency shall monitor all Bolton wetland and watercourses and have enforcement powers as described in Section 14 of the Inland Wetlands and Watercourses Regulations. The Commission Members and designed agent(s) may make regular inspections upon reasonable notice of all regulated activities to investigate possible violations of the Inland Wetlands and Watercourses Regulations.*

If this application is filed with the Inland Wetlands
Agent under Section 12.1 of the Inland Wetlands and
Watercourses Regulations, the Applicant may appeal
the Agent's decision according to the process
descibed in section 12.2 of the Inland Wetlands and
Watercourses Regulations.*





Attorney Info

Name Address

City State

Zip Phone

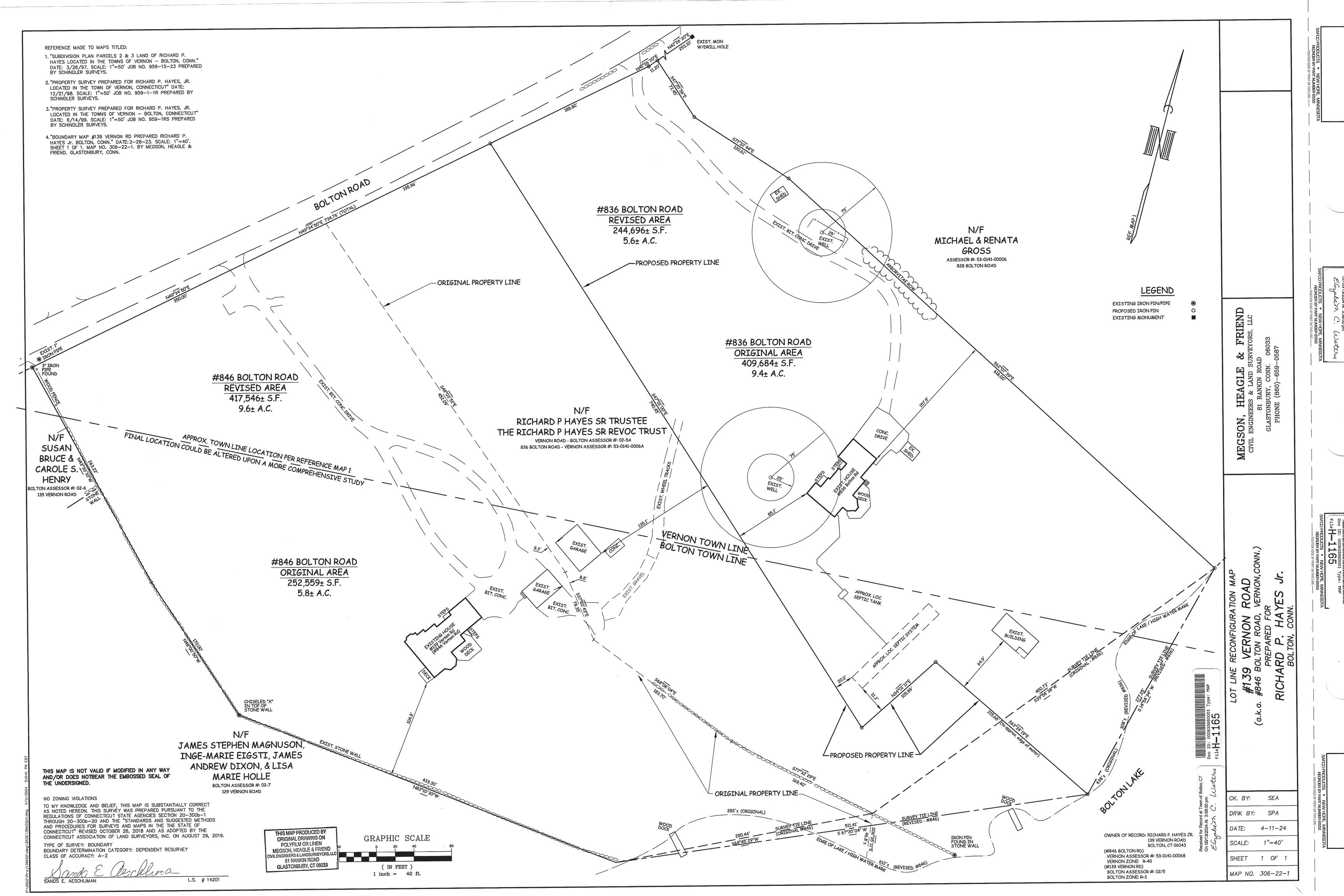
Engineer Information

Company Name	Engineer Name		
Address	City		
State	Zip		
Phone	Registration #		
Insurance Expiration	AOR		
Email			
Additional Project Info			
■ Date of Receipt			
_	_		
■ Hearings Completion Deadline—	■ Decision Deadline—		

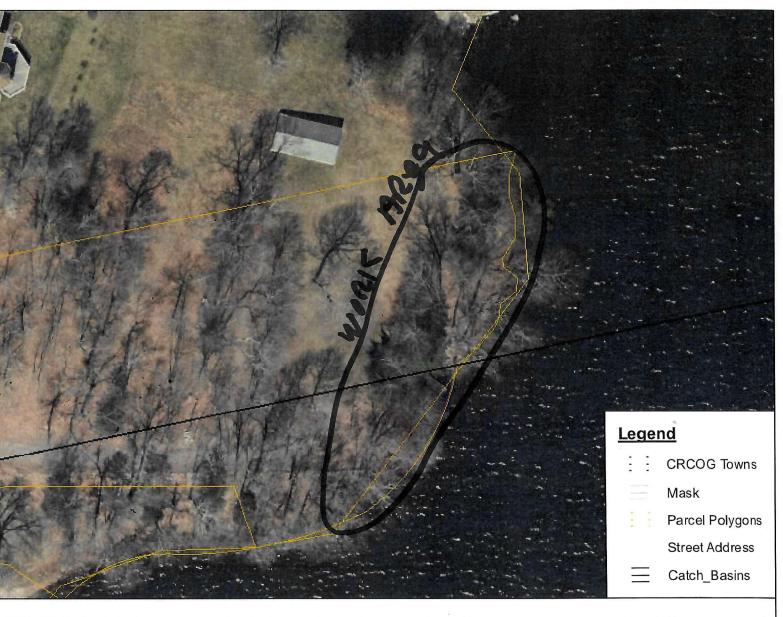
Abutting Properties.pdf

Total Acreage	Distance to Town Line
_	
≙ Extended	
Attachments	
Key Map of Property H-1165 Site Plan.pdf	
Uploaded by Danielle Palazzini on Aug	22, 2025 at 9:11 AM
139 Vernon_site plan.pdf 139 Vernon_site plan.pdf Uploaded by Danielle Palazzini on Aug	22, 2025 at 9:12 AM
Abutting Properties.pdf	

Uploaded by Danielle Palazzini on Aug 22, 2025 at 9:51 AM



ArcGIS Web Map





Scale 1:1,128

Created: 8/22/2025

ms and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Abutting Property Owners				
HAYES RICHARD P SR REVOC TRUST 1/18/12	1471 PLEASANT VALLEY RD	MANCHESTER, CT 06042		
HAYES RICHARD P SR TRUSTEE	1471 PLEASANT VALLEY RD	MANCHESTER, CT 06040		
HAYES RICHARD P JR TRUSTEE	1471 PLEASANT VALLEY RD	MANCHESTER, CT 06042		
HAYES RICHARD P JR TRUSTEE	1471 PLEASANT VALLEY RD	MANCHESTER, CT 06042		



August 19, 2025

IW-25-13

Inland Wetlands

Status: Active

Submitted On: 8/18/2025

Primary Location

51 LOOMIS RD BOLTON, CT 06043

Owner

Jordan Knight 37 Shoddy Mill Rd. Andover, CT 06232

Applicant

Jordan Knight
3 860-680-9568

hirejordan@yahoo.com

★ 37 Shoddy Mill Rd. Andover , CT 06232

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△ Conditions

■ Petition Received?

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△ Summary of Inland/Wetlands Commission Action

■ Bond Required?

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Additional Applicant Info

Applicant Type*

Owner

Permit Info

Type of Application*	Permit For*		
New Application	Administrative Wetlands		
Occupancy Type*	Lots		
Residential (Single Family/Duplex)	1		
Work Description* ②			
new construction 2 family dwelling 4 be	ds 2 bath 1536 ft2		
,			
Development Title			
51 Loomis			
△ Comments			
Distance from Inland Wetlands and Waterco	urses:		
Current Distance	Proposed Distance		
_	_		
Wetland / Watercourses Project Information			
Size of Subject Property (acres)	Total area of wetlands to be affected by the activity (acres)		
2.26	_		

Open water body altered (acres)	Stream alternation (linear feet)
_	_
Buffer/upland area altered (acres) —	Area of wetlands/watercourses restored, enhanced, or created (acres)
Described how the proposed activity affects wetlands, water	ercourses, and the regulated areas.
The reserve septic capacity is within the	e 100' wetlands setback
Described measures that will be taken to minimize the imp	act on wetlands, watercourses, and the regulated areas.
silt fence. minimal tree clearing	
Is there a Conservation or Preservation Restruction on the Property?	Is this an activity associated with a use for which you intend to apply to the Planning & Zoning Commission?
No	Yes
Please read and check the following statemen	

Please read and check the following statements. By checking these boxes, you agree to abide by the statutes and ordinances of the Town of Bolton and the State of Connecticut.

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Agent under Section 12.1 of the Inland Wetlands and
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Watercourses Regulations. *





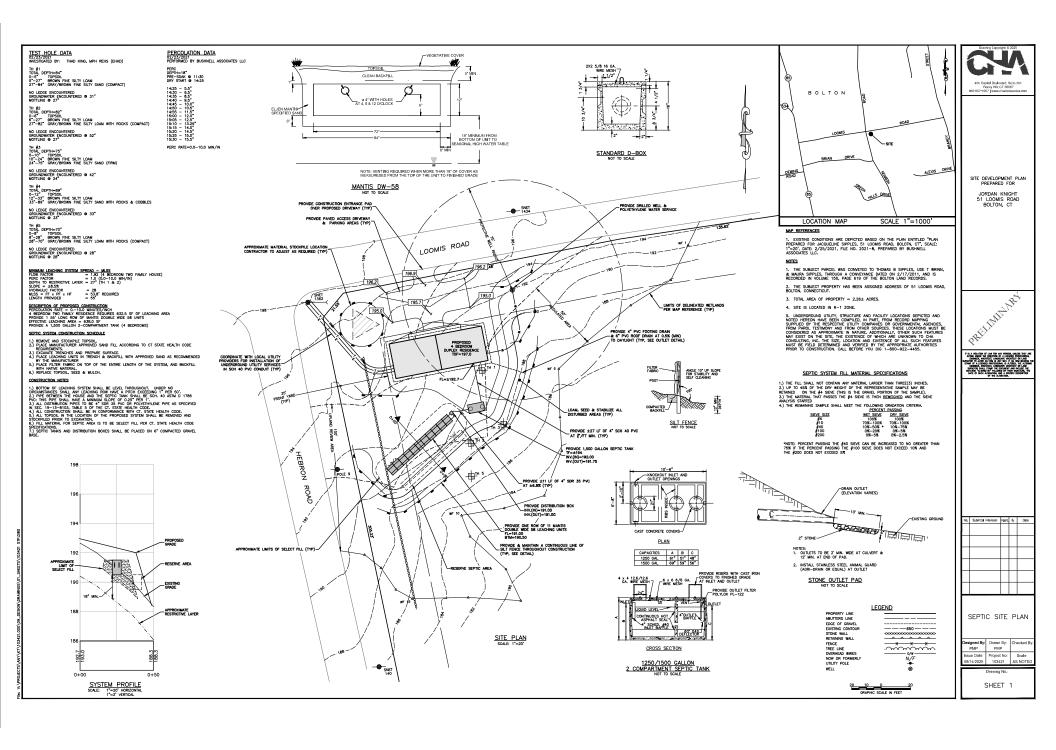
Attorney Info

Name	Address
City	State
Zip	Phone
Email	

Engineer Information

Company Name	Engineer Name
Address	City
State	Zip
Phone	Registration #
Insurance Expiration —	AOR
Email	
Additional Project Info	
■ Date of Receipt—	
	□ Decision Deadline□
Total Acreage 2.26	Distance to Town Line

	ded	ot Required
Attach	chments	
	List of Names and Addresses of Abutting I 51 Loomis abutting properties.pdf Uploaded by Jordan Knight on Aug 18, 2025 at 11:17	
	Key Map of Property 51 loomis CHA plan.pdf Uploaded by Jordan Knight on Aug 18, 2025 at 11:18	PM



Properties that Directly Border 51 Loomis St

Corneliouson, Chelsea 53 Loomis Rd.

Gregory and Julie Smith 92 Hebron Rd.

Properties that are across Loomis Rd

Brian And Linda Lemire 80 Hebron Rd.

Properties that are across Hebron Rd.

Richard Matus 43 Loomis Rd.

Edward and Jean Cassala 93 Hebron Rd.

Report: All unexpired permits for which the permitted activities have not been completed

		Expiration	Work	Active	Fully		
Record # Applicant Name	Address	Date	started?	work?	stabilized?	Brief Project Description	Agent Permit?
IW-25-10 Cailyn Freeman (HCAMS)	212 Bolton Center Rd	7/25/2027	' Yes	Yes	Yes	Walkway at Montessori School	Yes
IW-25-9 Steve Saucier	72 BRANDY ST, BOLTON, CT 06043	7/8/2027	Yes	Yes	No	Outbuilding at Bolton High School	Yes
IW-25-8 Edward Cooper	79 HATFIELD DR, BOLTON, CT 06043	7/3/2027	' No	No	Yes	Above-ground pool/deck	Yes
IW-25-7 Eric Peterson	61 VERNON RD, BOLTON, CT 06043	7/8/2027	' No	No	Yes	Single-family home construction	No
IW-25-6 Edith Bodman	45 VERNON RD, BOLTON, CT 06043	5/30/2027	' No	No	Yes	Single-family home on existing foundation	Yes
IW-25-4 Brayn Fairclough	148 BRANDY ST, BOLTON, CT 06043	5/8/2027	Yes	Yes	No	In-ground heated pool and sport court	Yes
IW-25-3 James Read	0 VERNON RD, BOLTON, CT 06043	3/4/2027	Yes	No	Yes	Single-family cottage construction	No

Not started Active