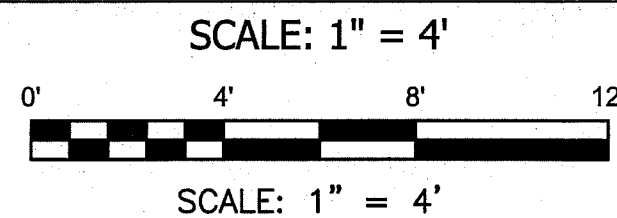
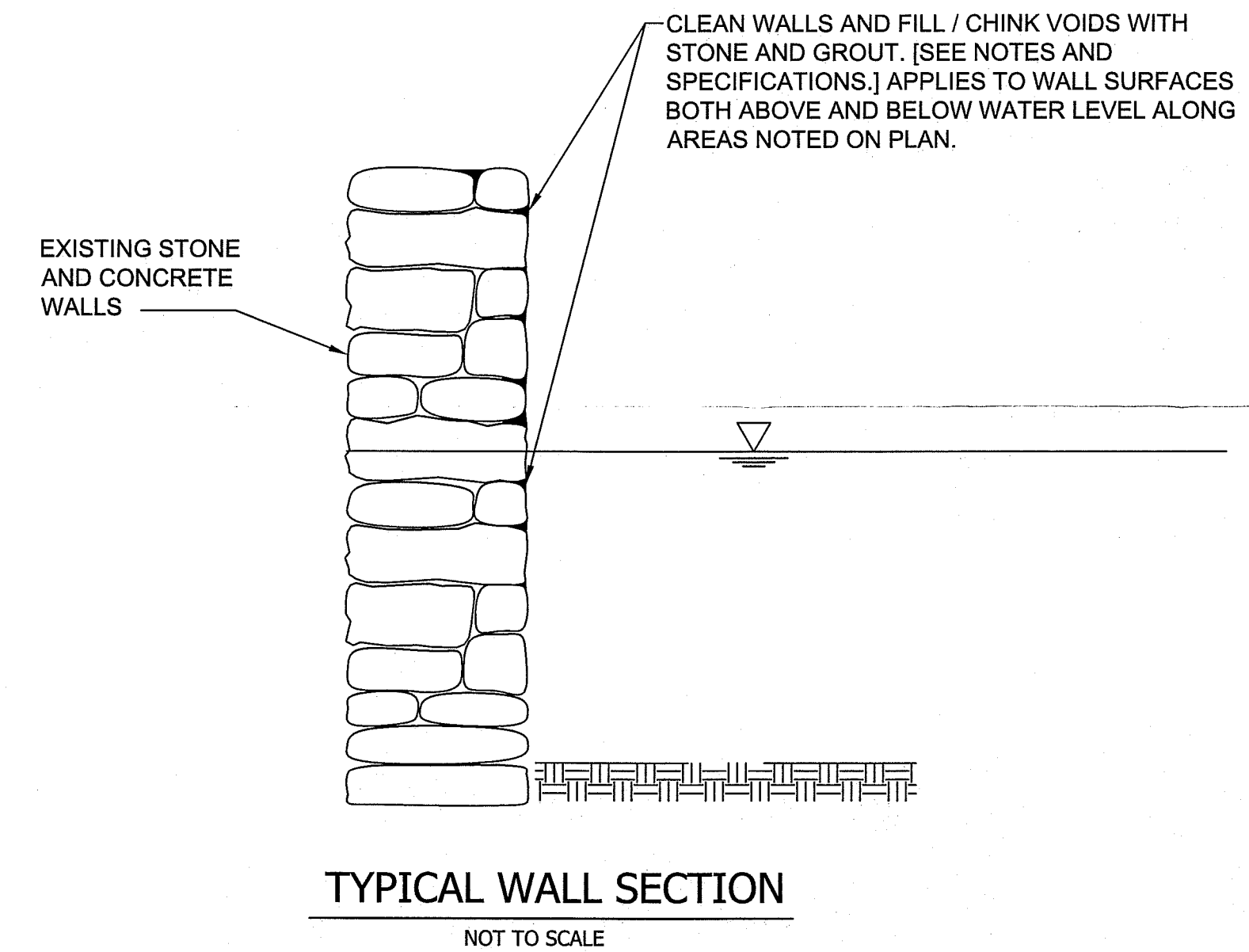
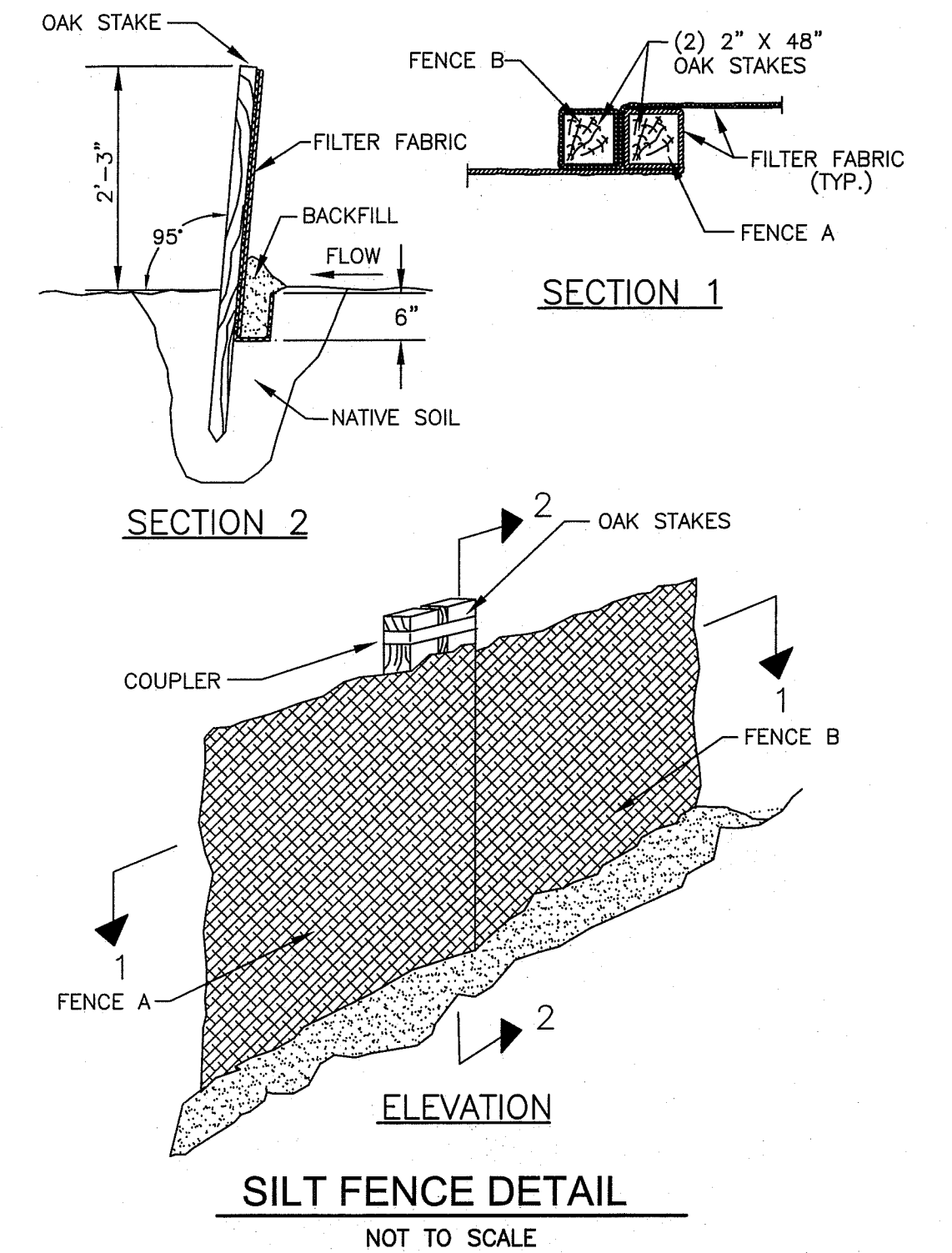


**SEDIMENTATION & EROSION CONTROL PLAN**



**SOIL EROSION AND SEDIMENT CONTROL NOTES**

- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE CONNECTICUT STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL, IN PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING, IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREA WILL BE MULCHED WITH HAY OR EQUIVALENT.
- IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF 2 TONS PER ACRE, ACCORDING TO THE CONNECTICUT STANDARDS.
- STABILIZATION SPECIFICATIONS:
  - TEMPORARY SEEDING AND MULCHING:
    - LIME - 90 LBS/1,000 SF GROUND LIMESTONE;
    - FERTILIZER - 14 LBS/1,000 SF; 10-20-10 OR EQUIVALENT WORKED INTO SOIL A MINIMUM OF 4-INCHES.
    - SEED - ANNUAL RYEGRASS 40 LBS/ACRE OR OTHER APPROVED SEEDS; PLANT BETWEEN APRIL 15 - JUNE 30 OR AUGUST 15 - SEPTEMBER 30.
    - MULCH - SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 70 TO 90 LBS/1,000 SF, TO BE APPLIED ACCORDING TO THE CT. STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).
  - PERMANENT SEEDING AND MULCHING:
    - LIME - 90 LBS/1,000 SF GROUND LIMESTONE;
    - FERTILIZER - 14 LBS/1,000 SF; 10-20-10 OR EQUIVALENT WORKED INTO SOIL A MINIMUM OF 4 INCHES.
    - SEED - APPLY THE FOLLOWING SEED MIXTURE PER 100 S.F.: KENTUCKY BLUE GRASS AT 2 LBS., CREEPING RED FESCUE AT 1 LB, AND PERENNIAL RYEGRASS AT A RATE OF 2 LBS.
    - MULCH - HAY OR SMALL GRAIN STRAW AT A RATE OF 70 TO 90 LBS/1,000 SF, TO BE APPLIED ACCORDING TO THE CT. STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS
- THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
- ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS.
- THE CONTRACTOR WILL SERVE AS THE CONTACT FOR INSTALLATION, INSPECTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES.
- STOCKPILES ARE NOT TO BE LOCATED WITHIN 50 FEET OF A FLOODPLAIN, SLOPE, ROADWAY, OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHOULD BE PROTECTED BY A HAY BALE BARRIER OR SEDIMENT FENCE.



**NOTES & SPECIFICATIONS**

- GENERAL SPECIFICATIONS - UNLESS OTHERWISE NOTED ON THE PLANS OR WITHIN SPECIFICATION NOTES, ALL WORK SHALL BE IN CONFORMANCE WITH CONNECTICUT DEPARTMENT OF TRANSPORTATION SPECIFICATION FORM 817, LATEST REVISION.
- SITE ACCESS - ACCESS TO THE WORK SITE WILL BE FROM DEPOT ROAD, DIRECTLY ADJACENT TO THE NORTH SIDE OF THE DAM AND POND. AREAS FOR STAGING AND STORAGE WILL BE SET OUT IN COORDINATION WITH THE ENGINEER AND THE TOWN OF COVENTRY PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- CLEARING AND PLACEMENT OF FILL - ALL TREES, BRUSH, DEBRIS AND OTHER DELETERIOUS MATERIALS WITHIN THE LIMITS OF THE PROPOSED WORK SHOWN HEREON WILL BE REMOVED UNDER THE DIRECTION OF THE ENGINEER. OUTSIDE THE LIMITS OF FACILITIES TO BE REPAIRED, ANY EMBANKMENT AREAS DISTURBED OR OTHERWISE MODIFIED DURING CONSTRUCTION ARE TO BE TREATED AS FOLLOWS: WHERE PROPOSED CONSTRUCTION IS SHOWN, EXISTING TREE ROOTS, SHRUBS, GRASS VEGETATION, TOPSOIL, AND OTHER DELETERIOUS MATERIALS ARE TO BE REMOVED, THEN FILLED IN AS FOLLOWS: FOR GENERAL EMBANKMENT FILL THROUGHOUT, SCARIFY UNDERLYING SUBSOIL AREAS (PARALLEL TO EXISTING SLOPES), THEN PLACE FILL IN MAXIMUM 6" LIFTS. COMPACT AS FURTHER SPECIFIED BELOW.
- SEDIMENTATION & EROSION CONTROLS - TEMPORARY SEDIMENTATION AND EROSION CONTROLS SHOWN ARE THE MINIMUM REQUIRED. ADDITIONAL CONTROLS MUST BE PLACED AS REQUIRED BY CONSTRUCTION. ADJUSTMENTS TO PLACEMENT OF SEDIMENTATION AND EROSION CONTROLS WILL BE MADE AT THAT TIME. NO CLEARING, REMOVAL OF DEBRIS OR EXCAVATION IS TO TAKE PLACE PRIOR TO INSTALLATION OF THE CONTROLS NOTED. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING A CONSTRUCTION SEQUENCE FOR APPROVAL PRIOR TO BEGINNING WORK ON THE SITE. THE CONTRACTOR WILL COORDINATE ACTIVITIES SO AS TO PROVIDE NECESSARY ACCESS TO BOTH THE TOWN AND THE ADJACENT PROPERTY OWNER, AS MAY BE REQUIRED. ACCEPTANCE OF FINAL CONSTRUCTION WILL INCLUDE REMOVAL OF ALL SEDIMENTATION AND EROSION CONTROLS ONCE ALL AREAS HAVE STABILIZED AND THERE IS NO SIGN OF EROSION OR TRANSPORT OF SEDIMENT FROM THE SITE.
- WATER CONTROL & DIVERSION - CONTROL OF WATER DURING CONSTRUCTION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. A WATER HANDLING PLAN MUST BE PRESENTED TO THE ENGINEER FOR REVIEW AND APPROVAL AT THE SAME TIME AS THE PROPOSED CONSTRUCTION SEQUENCE IS PRESENTED. IF DURING THE COURSE OF CONSTRUCTION PUMPING OF SEDIMENT LADEN WATER IS REQUIRED, TEMPORARY SEDIMENTATION DEWATERING AND / OR FILTERING BASIN(S) MAY BE REQUIRED (OR, FOR EXAMPLE, THE CONTRACTOR MAY PUMP INTO A GEOTEXTILE FILTERING BAG). SUCH BASINS OR FILTERING DEVICES WILL BE THE CONTRACTOR'S RESPONSIBILITY.
- REMOVAL OF UNSUITABLE MATERIALS - ALL DEBRIS FROM THE OUTLET CHANNEL, AS WELL AS GRUBBED AND EXCAVATED MATERIALS, WILL BE REMOVED FROM THE SITE UNLESS DESIGNATED FOR LATER REUSE BY THE ENGINEER. DISPOSAL MUST BE TO APPROVED LOCATIONS; THE OWNER WILL NOT BE RESPONSIBLE FOR MATERIALS DISPOSED OF AT UNPERMITTED OR UNAPPROVED LOCATIONS.
- DISTURBED AREAS - ALL AREAS DISTURBED DURING CONSTRUCTION, OTHER THAN DESIGNATED DAM IMPROVEMENTS, SHALL BE RESTORED, AT A MINIMUM, TO THEIR ORIGINAL CONDITION UNLESS OTHERWISE NOTED OR DIRECTED BY THE ENGINEER.
- SUBMITTALS - UNLESS OTHERWISE SPECIFIED WITHIN THESE NOTES AND SPECIFICATIONS OR ON THE PLAN DETAILS, THE CONTRACTOR SHALL SUBMIT A MINIMUM OF THREE (3) COPIES OF ALL REQUIRED MATERIAL OR PROCEDURAL SPECIFICATIONS FOR THE ENGINEER'S REVIEW, AS NOTED HEREIN.
- EMERGENCY OPERATIONS PLAN - PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A PLAN DETAILING HIS PROPOSED ACTIONS DURING EMERGENCY EVENTS. THE CONTRACTOR MUST BE PREPARED TO RESPOND TO AN EMERGENCY CONDITION IN THE EVENT OF INCIDENT WEIR OR SEVERE FLOW CONDITIONS THAT COULD THREATEN OR OTHERWISE JEOPARDIZE THE SAFETY OF THE DAM, SURROUNDING ROADS OR OTHER COMMUNITY AREAS.
- GENERAL SITE FILL - GENERAL SITE FILL MATERIAL SHALL CONFORM TO THE MATERIAL SPECIFICATIONS OF SECTION M.05.01, PROCESSED AGGREGATE, EXCEPT THAT THE MAXIMUM AGGREGATE SIZE SHALL BE 1-1/4". FOR THIS MATERIAL, COMPACTION SHALL BE LIMITED TO 6" LIFTS.
- RIPPRAP STONE - RIPRAP SHALL CONFORM TO THE MATERIAL AND SIZE REQUIREMENTS OF SECTION M.12.02 OF FORM 817. STONE SHALL BE SOUND AND DURABLE WITH NO FRACTURES.
- PLACING AND COMPACTING FILL - PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 6" IN LOOSE DEPTH. BEFORE COMPACTING, MOISTEN OR AERATE EACH LAYER AS NECESSARY TO PROVIDE THE OPTIMUM MOISTURE CONTENT. CONTROL SOIL COMPACTION DURING CONSTRUCTION TO PROVIDE THE MINIMUM PERCENTAGE OF DENSITY SPECIFIED FOR EACH AREA AS DETERMINED ACCORDING TO ASTM D1557. PROVIDE NOT LESS THAN THE FOLLOWING MAXIMUM DENSITY OF SOIL MATERIAL COMPACTED AT OPTIMUM MOISTURE CONTENT FOR THE ACTUAL DENSITY OF EACH LAYER OF SOIL MATERIAL IN PLACE, AND AS APPROVED BY THE ENGINEER.  
COMPACT EACH LAYER OF FILL MATERIAL OR BACKFILL MATERIAL AT 95% OF MAXIMUM DENSITY. DO NOT PLACE BACKFILL OR FILL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN, OR CONTAINING FROST OR ICE.  
COMPACTION IN CLOSE PROXIMITY TO OR ADJACENT TO EXISTING WALLS SHALL BE IN LAYERS NOT MORE THAN 6" IN LOOSE DEPTH BY HAND EQUIPMENT AND PLATE TAMPERS. ANY DAMAGE TO THE WALL WILL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
- LOAMING AND SEEDING - UNLESS OTHERWISE NOTED, MATERIALS AND METHODS OF CONSTRUCTION FOR PLACEMENT OF TOPSOIL, SEEDING, MULCHING AND FERTILIZING SHALL BE IN ACCORDANCE WITH CONNECTICUT DOT FORM 817.
- SEED MIXTURES - THE PERMANENT SEED MIXTURE SHALL CONFORM TO SECTION M.13.04(A) OF FORM 817. IN THE EVENT TEMPORARY SEEDING IS REQUIRED FOR IMMEDIATE STABILIZATION, TEMPORARY MIXTURES SHALL CONFORM TO SECTION M.13.04(B). SEEDING RATES MUST BE INCREASED 10 PERCENT WHEN HYDROSEEDING.
- LIME - LIMESTONE SHALL CONFORM TO THE SPECIFICATIONS OF SECTION M.13.02 OF FORM 817.
- FERTILIZER - FERTILIZER SHALL BE A COMMERCIAL GRADE GRANULAR 10-10-10 CONFORMING TO SECTION M.13.03 OF FORM 817.
- TOPSOIL - TOPSOIL SHALL BE SCREENED COMMERCIAL GRADE TOPSOIL CONFORMING TO SECTION M.13.01 OF FORM 817. AS NOTED THEREIN, THE ENGINEER SHALL BE NOTIFIED OF THE SOURCE OF TOPSOIL PRIOR TO DELIVERY TO THE SITE. EXISTING TOPSOIL DESIGNATED FOR REUSE SHALL BE SCREENED AS NECESSARY TO MEET THE REQUIREMENTS OF SECTION M.13.01.
- MULCH - MULCH SHALL CONFORM TO THE SPECIFICATIONS OF SECTION M.13.05 OF FORM 817.
- STONE & CONCRETE WALL REPAIRS - THE WALLS IN THE AREAS DESIGNATED ON THE PLANS ARE TO BE CLEARED OF ALL SOIL, VEGETATIVE GROWTH AND DEBRIS. THE WALL SHALL THEN BE INSPECTED JOINTLY BY THE ENGINEER AND CONTRACTOR AS TO THE EXTENT AND METHOD OF REPAIR. FINAL WORKING METHODS AND MATERIALS TO BE USED SHALL BE AS APPROVED BY THE ENGINEER.  
AFTER VOIDS ARE CLEANED OUT TO THE SATISFACTION OF THE ENGINEER, STONE WALLS SHALL BE FILLED AND CHINKED WITH STONE, THEN MORTARED; CONCRETE WALLS SHALL BE FILLED WITH MORTAR OR CONCRETE, DEPENDING UPON DEPTH AND CONDITION OF THE REPAIR AREA.

PRELIMINARY

REVISION  
PLANS & DETAILS

DECEW POND DAM  
TOWN OF COVENTRY  
MILL BROOK / DEPOT ROAD  
COVENTRY, CONNECTICUT

KARL F. ACIMOVIC, P.E. & L.S.  
588 STONEHOUSE ROAD  
COVENTRY, CONNECTICUT 06238

SCALE: AS NOTED JOB NO. 21032	DRAWN BY: A.A. CHECKED BY: K.A.	DATE: 10/18/2021 SHEET NO. 1 OF X
----------------------------------	------------------------------------	--------------------------------------

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS PLAN IS SUBSTANTIALLY CORRECT AS SHOWN HEREON.

KARL F. ACIMOVIC, P.E. #13032 DATE

PRELIMINARY