PUBLIC NOTICE

US Army Corps
of Engineers ®
New England District
696 Virginia Road
Concord, MA 01742-2751

15 DAY NOTICE

Comment Period Begins: June 22, 2010
Comment Period Ends: July 7, 2010
File Number: NAE-2007-1930
In Reply Refer To: Paula Kullberg
Phone: (978) 318-8170
E-mail: paula.g.kullberg@usace.army.mil

The District Engineer has received a permit application from the applicant below to **conduct work in waters of the United States** as described below.

APPLICANT: Winding Trails, Inc.

ACTIVITY: To restore the water quality and fish & wildlife habitat capacity of Trout and Walton Ponds, by removing accumulated sediments from these ponds during drawdown. In addition, to replace a failed dam to re-establish a portion of Trout Pond and to create a sedimentation basin/forebay in the pond for periodic sediment removal/pond maintenance.

A detailed description and plans of the activity are attached.

WATERWAY AND LOCATION OF THE PROPOSED WORK
This work is proposed in **Trout and Walton Ponds at Winding Trails, Inc., 50 Winding Trails Drive, Farmington, Connecticut**. The proposed location on the USGS New Britain & Avon, CT quadrangle sheets is at 41.7527' N and 72.8460' W.

AUTHORITY
Permits are required pursuant to:
_____Section 10 of the Rivers and Harbors Act of 1899
__X_ Section 404 of the Clean Water Act
_____Section 103 of the Marine Protection, Research and Sanctuaries Act.

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess

impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

SECTION 106 COORDINATION

Based on his initial review, the District Engineer has determined that the proposed work may impact properties listed in, or eligible for listing in, the National Register of Historic Places. Additional review and consultation to fulfil requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the permit review process.

ENDANGERED SPECIES CONSULTATION

The New England District, Army Corps of Engineers has reviewed the list of species protected under the Endangered Species Act of 1973, as amended, which might occur at the project site. It is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect any Federally listed endangered or threatened species or their designated critical habitat. By this Public Notice, we are requesting that the appropriate Federal Agency concur with our determination.

The following authorizations have been applied for, or have been, or will be obtained:

(**X**) Permit, License or Assent from State.
(**X**) Permit from Local Wetland Agency or Conservation Commission.
(**X**) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. **Comments should be submitted in writing by the above date.** If you have any questions, please contact Paula Kullberg at (978) 318-8170, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

In accordance with 33 CFR 325.2(a)(8), we publish monthly a list of permits issued or denied during the previous month at www.nae.usace.army.mil/reg, under the heading "Monthly General and Individual Permit Authorizations." Relevant environmental documents and the SOFs or RODs are available upon written request and, where applicable, upon the payment of administrative fees. Also visit www.nae.usace.army.mil for more information on the New England District Corps of Engineers programs.

CENAE-R
FILE NO. NAE-2007-1930

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

Diane M. Ray
Acting Chief, Permits and Enforcement Branch
Regulatory Division

If you would prefer not to continue receiving Public Notices, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here ( ) and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: _____
ADDRESS: _____

PROPOSED WORK AND PURPOSE

The proposal includes work in wetlands/waterways for the purpose of restoration of water quality and fish and wildlife habitat. The applicant proposes to remove by mechanical means approximately 21,400 and 1,200 cu. yds. of silt, respectively, from Walton and Trout Ponds during drawdown. In addition, the existing spillway at Walton Pond Dam will be replaced with a new concrete spillway and a new vehicular access bridge. A new timber bridge and boardwalks will be installed for educational access purposes. In Trout Pond, a sediment forebay will be constructed within the pond for future sediment removal/maintenance. The work involves the following impacts to wetland/waterways:

Trout Pond and dam: 0.39 acre temporary impacts
Walton Pond and dam: 7.52 acres temporary impacts
Downstream of Walton Pond in the brook: 0.01 acre temporary impact

The approximate total area of temporary wetland/waterway impacts is 7.92 acres. Approximately 0.02 acre of wetland will be created at Trout Pond and downstream of Walton Pond dam.

The work is described on the enclosed plans entitled "IMPROVEMENTS TO WALTON POND AND TROUT POND; WINDING TRAILS, INC.; 50 WINDING TRAILS DRIVE, FARMINGTON, CT 06032," on 22 sheets, with sheets dated "SEPTEMBER 1, 2009" or "FEBRUARY 26, 2010."

MITIGATION

In order to protect the State endangered Eastern Pondmussel (*Ligumia nasuta*) populations in Walton Pond, a State of CT DEP-approved Relocation plan will be followed, and the dewatering plan under that protocol will be used in order to minimize impacts to resident mussel populations.

Removal of silty sediments will be performed during pond drawdown condition in order to minimize turbidity impacts to resident fish populations.

Winding Trails FILE # NAE-2007-1930

IMPROVEMENTS TO WALTON POND AND TROUT POND

OWNER:

Winding Trails, Inc.

50 Winding Trails Drive
Farmington, CT 06032

CONSTRUCTION BID DOCUMENTS
MARCH 26,2010

PREPARED BY:

CIVIL STRATEGIES, LLC
ROCCO ROBERTS, P.E.

471 NEW BRITAIN AVENUE, UNIONVILLE, CT

MACCHI ENGINEERS
44 GILLETT STREET, HARTFORD, CT.

rec'd 3/18/2010 PGK

LIST OF DRAWINGS

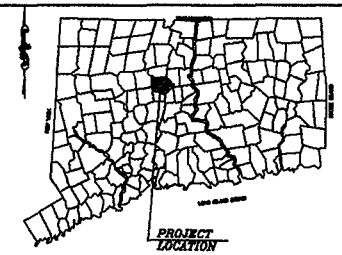
COVER SHEET
TOPOGRAPHICAL SURVEY
C1.0 OVERALL SITE PLAN
C1.1 GENERAL DETAILS - 1
C1.2 GENERAL DETAILS - 2

C2.0 WALTON POND GRADING PLAN 0+00 to 6+00
C2.1 WALTON POND GRADING PLAN 6+00 to 12+00
C2.2 WALTON POND GRADING PLAN 12+00 to 17+00
C2.3 WALTON POND CROSS SECTIONS 0+00 to 8+00
C2.4 WALTON POND CROSS SECTIONS 9+00 to 16+00
C2.5 WALTON POND DAM SITE PREPARATION
C2.6 WALTON POND DAM PROPOSED SITE PLAN
C2.7 WALTON POND DAM SPILLWAY AND SECTIONS
C2.8 CONCRETE BRIDGE DETAILS
C2.9 WALTON POND DAM CROSS SECTIONS

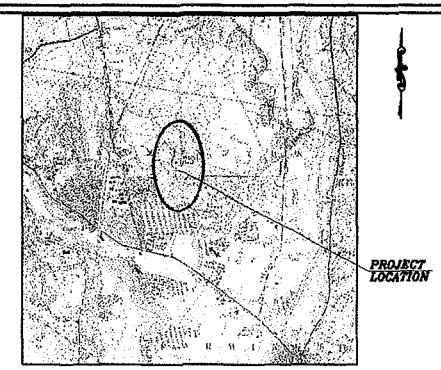
C3.0 TROUT POND GRADING PLAN
C3.1 TROUT POND CROSS SECTIONS
C3.2 TROUT POND DAM SITE PREPARATION
C3.3 TROUT POND DAM PROPOSED SITE PLAN
C3.4 TROUT POND DAM SPILLWAY AND SECTIONS

C4.0 PEDESTRIAN BRIDGE PLANS
C4.1 PEDESTRIAN BRIDGE DETAILS - 1
C4.2 PEDESTRIAN BRIDGE DETAILS - 2

C5.0 DISPOSAL AREA



TOWN LOCATION PLAN



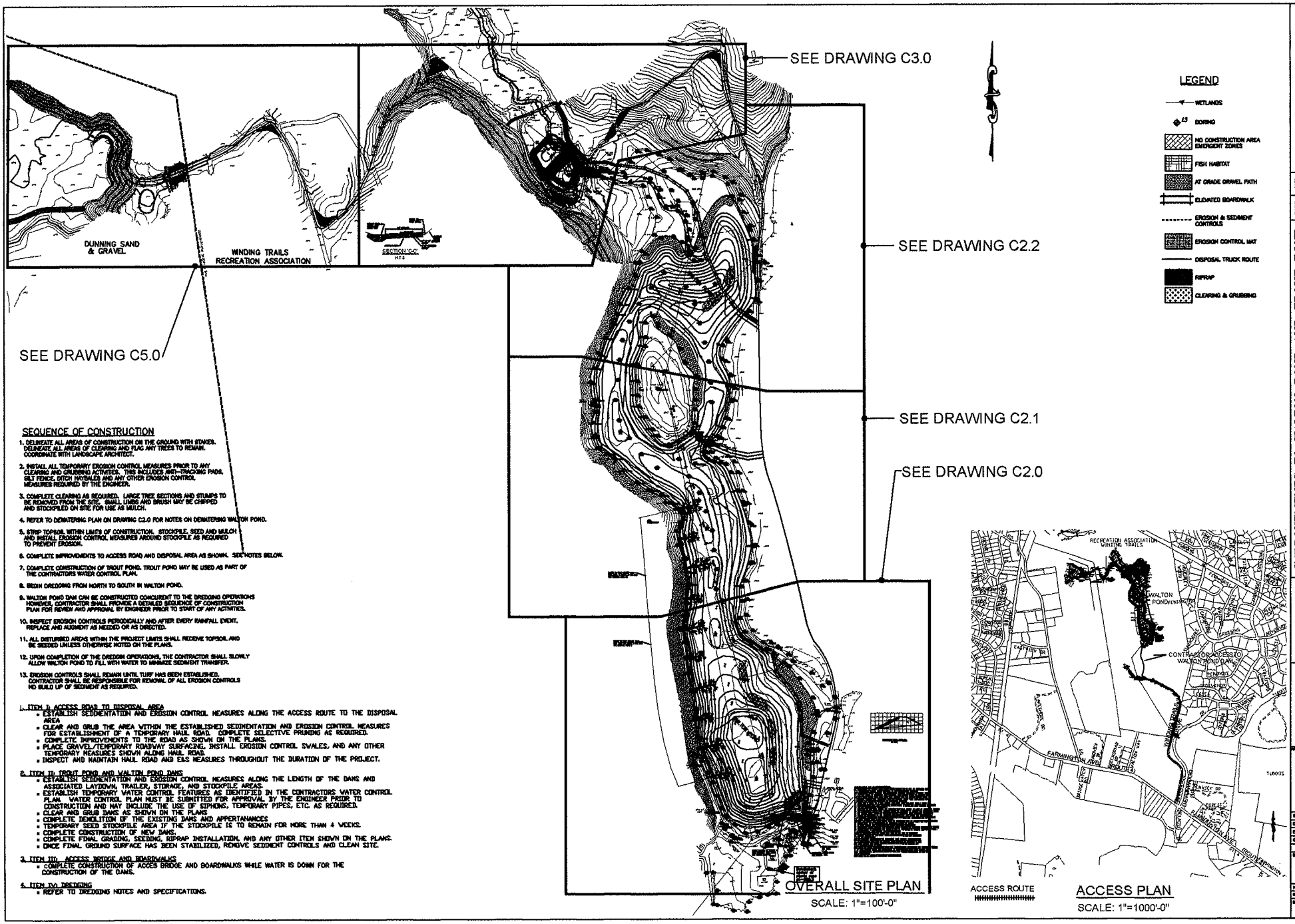
PROJECT LOCATION PLAN

REVIEWED AND APPROVED FOR CONSTRUCTION BY:

_____ _____ Date

_____ _____ Date

_____ _____ Date



SEQUENCE OF CONSTRUCTION

1. DELINEATE ALL AREAS OF CONSTRUCTION ON THE GROUND WITH STAKES. DELINEATE ALL AREAS OF CLEARING AND FLAG ANY TREES TO REMAIN. COORDINATE WITH LANDSCAPE ARCHITECT.
2. INSTALL ALL TEMPORARY EROSION CONTROL MEASURES PRIOR TO ANY CLEARING AND GRUBBING ACTIVITIES. THIS INCLUDES ANTI-TRACKING PADS, SILT FENCE, DITCH HAYBALES AND ANY OTHER EROSION CONTROL MEASURES REQUIRED BY THE ENGINEER.
3. COMPLETE CLEARING AS REQUIRED. LARGE TREE SECTIONS AND STUMPS TO BE REMOVED FROM THE SITE. SMALL LIMBS AND BRUSH MAY BE CHIPPED AND STOCKPILED ON SITE FOR USE AS MULCH.
4. REFER TO DEWATERING PLAN ON DRAWING C2.0 FOR NOTES ON DEWATERING WALTON POND.
5. STRIP TOPSOIL WITHIN LIMITS OF CONSTRUCTION. STOCKPILE, SEED AND MULCH AND INSTALL EROSION CONTROL MEASURES AROUND STOCKPILE AS REQUIRED TO PREVENT EROSION.
6. COMPLETE IMPROVEMENTS TO ACCESS ROAD AND DISPOSAL AREA AS SHOWN. SEE NOTES BELOW.
7. COMPLETE CONSTRUCTION OF TROUT POND. TROUT POND MAY BE USED AS PART OF THE CONTRACTORS WATER CONTROL PLAN.
8. BEGIN DREDGING FROM NORTH TO SOUTH IN WALTON POND.
9. WALTON POND DAM CAN BE CONSTRUCTED CONCURRENT TO THE DREDGING OPERATIONS HOWEVER, CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION PLAN FOR REVIEW AND APPROVAL BY ENGINEER PRIOR TO START OF ANY ACTIVITIES.
10. INSPECT EROSION CONTROLS PERIODICALLY AND AFTER EVERY RAINFALL EVENT, REPLACE AND AUGMENT AS NEEDED OR AS DIRECTED.
11. ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS SHALL RECEIVE TOPSOIL AND BE SEEDED UNLESS OTHERWISE NOTED ON THE PLANS.
12. UPON COMPLETION OF THE DREDGIN OPERATIONS, THE CONTRACTOR SHALL SLOWLY ALLOW WALTON POND TO FILL WITH WATER TO MINIMIZE SEDIMENT TRANSFER.
13. EROSION CONTROLS SHALL REMAIN UNTIL TURF HAS BEEN ESTABLISHED. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL EROSION CONTROLS NO BUILD UP OF SEDIMENT AS REQUIRED.

1. ITEM I: ACCESS ROAD TO DISPOSAL AREA
   - ESTABLISH SEDIMENTATION AND EROSION CONTROL MEASURES ALONG THE ACCESS ROUTE TO THE DISPOSAL AREA
   - CLEAR AND GRUB THE AREA WITHIN THE ESTABLISHED SEDIMENTATION AND EROSION CONTROL MEASURES FOR ESTABLISHMENT OF A TEMPORARY HAUL ROAD. COMPLETE SELECTIVE PRUNING AS REQUIRED.
   - COMPLETE IMPROVEMENTS TO THE ROAD AS SHOWN ON THE PLANS.
   - PLACE GRAVEL/TEMPORARY ROADWAY SURFACING, INSTALL EROSION CONTROL SWALES, AND ANY OTHER TEMPORARY MEASURES SHOWN ALONG HAUL ROAD.
   - INSPECT AND MAINTAIN HAUL ROAD AND E&S MEASURES THROUGHOUT THE DURATION OF THE PROJECT.
2. ITEM II: TROUT POND AND WALTON POND DAMS
   - ESTABLISH SEDIMENTATION AND EROSION CONTROL MEASURES ALONG THE LENGTH OF THE DAMS AND ASSOCIATED LAYDOWN, TRAILER, STORAGE, AND STOCKPILE AREAS.
   - ESTABLISH TEMPORARY WATER CONTROL FEATURES AS IDENTIFIED IN THE CONTRACTORS WATER CONTROL PLAN. WATER CONTROL PLAN MUST BE SUBMITTED FOR APPROVAL BY THE ENGINEER PRIOR TO CONSTRUCTION AND MAY INCLUDE THE USE OF SIPHONS, TEMPORARY PIPES, ETC. AS REQUIRED.
   - CLEAR AND GRUB DAMS AS SHOWN ON THE PLANS
   - COMPLETE DEMOLITION OF THE EXISTING DAMS AND APPERTANANCES
   - TEMPORARY SEED STOCKPILE AREA IF THE STOCKPILE IS TO REMAIN FOR MORE THAN 4 WEEKS.
   - COMPLETE CONSTRUCTION OF NEW DAMS.
   - COMPLETE FINAL GRADING, SEEDING, RIPRAP INSTALLATION, AND ANY OTHER ITEM SHOWN ON THE PLANS.
   - ONCE FINAL GROUND SURFACE HAS BEEN STABILIZED, REMOVE SEDIMENT CONTROLS AND CLEAN SITE.
3. ITEM III: ACCESS BRIDGE AND BOARDWALKS
   - COMPLETE CONSTRUCTION OF ACCES BRIDGE AND BOARDWALKS WHILE WATER IS DOWN FOR THE CONSTRUCTION OF THE DAMS.
4. ITEM IV: DREDGING
   - REFER TO DREDGING NOTES AND SPECIFICATIONS.

SYMBOL	DATE	DESCRIPTION
1	1/28/16	PER REVIEW COMMENTS DATED 1/25/16
2	2/26/16	PER REVIEW COMMENTS DATED 2/18/16
3	3/4/16	PER ADDITIONAL REVIEW COMMENTS DATED 2/26/16
4	3/7/16	PER FWS REVIEW AND DEC REVIEW PER REV COMMENTS

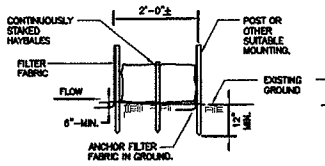
IMPROVEMENTS TO WALTON POND AND TROUT POND
WINDING TRAILS, INC.
50 WINDING TRAILS DRIVE
FARMINGTON, CT 06032

CIVIL & ENVIRONMENTAL LLC
CONSULTING ENGINEERS
87 Bassett St. P.O. Box 1
Canton, CT 06019-0001
(860) 693-0161

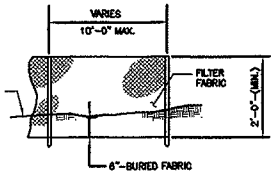
SCALE AS NOTED	DATE
DESIGNED RR	2/26/16
DRAWN RR	2/26/16
CHECKED RR	2/26/16

DRAWING TITLE
OVERALL SITE PLAN

PROJECT NO. 07-055
SHEET - OF -
DRAWING NO. C1.0



SECTION

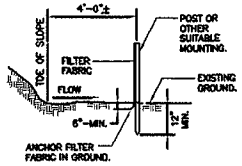


ELEVATION

* SEE SITE PLANS FOR LOCATION OF USE REQUIREMENTS

SILT FENCE (HEAVY DUTY)

NOT TO SCALE



SECTION

* FOR USE IN ALL OTHER APPLICATIONS WHERE HEAVY DUTY SILT FENCE IS NOT REQUIRED.

SILT FENCE (LIGHT DUTY)

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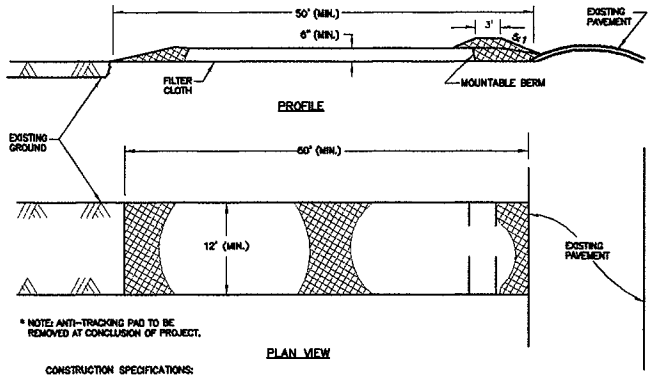


* NOTE: ANTI-TRACKING PAD TO BE REMOVED AT CONCLUSION OF PROJECT.

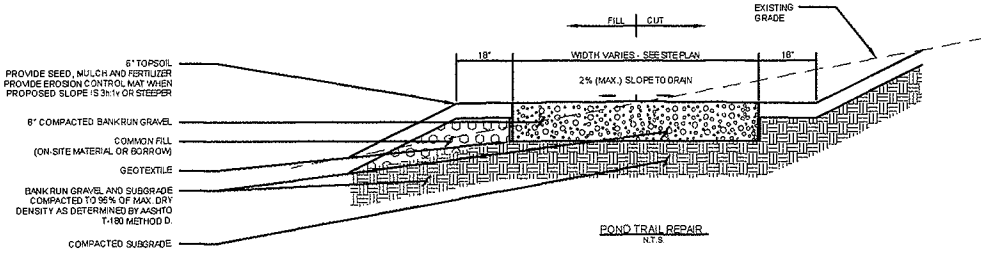
PLAN VIEW

CONSTRUCTION SPECIFICATIONS:

1. STONE SIZE – USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH – AS REQUIRED, BUT NOT LESS THAN 50 FT (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. WIDTH – TWELVE (12) FT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
8. WASHING – WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NECESSARY MAINTENANCE SHALL BE PROVIDED AFTER EACH RAINFALL.

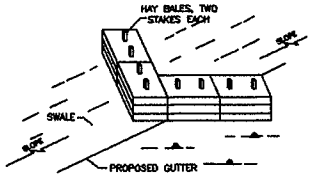
ANTI-TRACKING PAD

(N.T.S.)



POND TRAIL REPAIR

N.T.S.

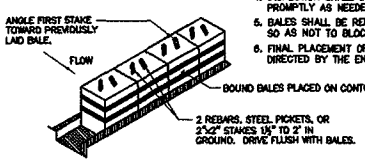


HAY BALE CHECK

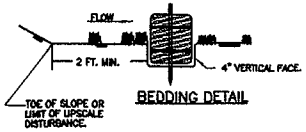
N.T.S.

HAY BALE CONSTRUCTION SPECIFICATIONS:

1. HAY BALES SHALL BE PLACED AROUND INSTALLED CATCH BASINS TO PREVENT SEDIMENTATION AND OTHER DEBRIS FROM ACCUMULATING ON THE GRATE OR IN THE SUMP. HAY BALES SHOULD BE KEPT CLEAN AND FREE OF DEBRIS TO FACILITATE FLOW.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4 INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR REBARS DRIVEN THROUGH THE BALE. THE FIRST STAKE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
6. FINAL PLACEMENT OF CROSSING AND SEDIMENT CONTROLS SHALL BE AS DIRECTED BY THE ENGINEER.



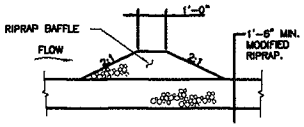
ANCHORING DETAIL



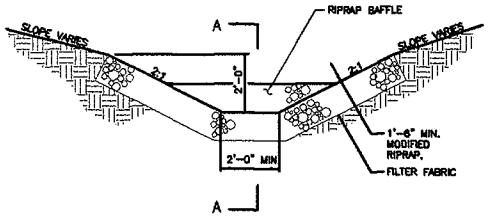
BEDDING DETAIL

STRAW BALE DIKE/HAY BALE DETAIL

N.T.S.

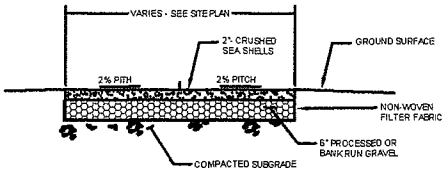


SECTION A–A



RIPRAP BERM/SWALE

(N.T.S.)



SEASHELL SURFACED WALKWAY

N.T.S.

IMPROVEMENTS TO WALTON POND AND TROUT POND
WINDING TRAILS, INC.
50 WINDING TRAILS DRIVE
FARMINGTON, CT 06032

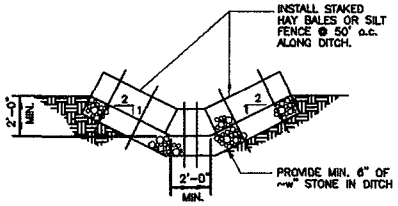
CITY LINE SYSTEMS LLC
P.O. Box 1
Bethlehem, CT 06751
(203) 525-1455

REVISED AS NOTED	DATE
DESIGNED: RS	2/26/10
DRAWN: RS	2/26/10
CHECKED: RS	2/26/10

DRAWING FILE
GENERAL DETAILS 1

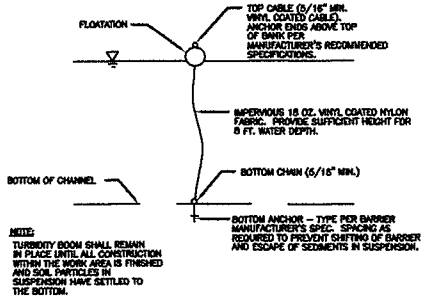
PROJECT NO. 03-[illegible]
SHEET – OF –

DRAWING NO.
C1.1



TEMPORARY EROSION CONTROL DITCH

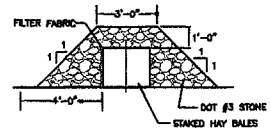
NOT TO SCALE



NOTE:
TURBIDITY BOOM SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION WITHIN THE WORK AREA IS FINISHED AND SOIL PARTICLES IN SUSPENSION HAVE SETTLED TO THE BOTTOM.

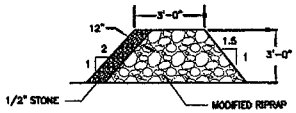
TURBIDITY CONTROL CURTAIN

N.T.S.

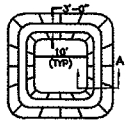


HAYBALE CHECK SECTION A–A

NOT TO SCALE



ELEVATION



PLAN

TEMPORARY PUMP DISCHARGE PAD

NOT TO SCALE

EROSION CONTROL NOTES

THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND/OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION AS MAY BE REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT.

IN GENERAL, ALL CONSTRUCTION ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSE, WATER BODY AND CONDUIT CARRYING WATER, ETC. THE CONTRACTOR SHALL LIMIT, AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS, AND IMMEDIATELY PROVIDE TEMPORARY AND PERMANENT POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES AND WATER BODIES, AND TO PREVENT, INSOFAR AS POSSIBLE, EROSION ON THE SITE.

CONSTRUCTION METHODS, IN GENERAL SHALL BE IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (2002) BY THE STATE OF CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION. THE EROSION CONTROL GUIDELINES ARE OBTAINABLE FROM THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION, STATE OFFICE BUILDING, HARTFORD, CONNECTICUT 06106, AND SHOULD BE USED AS A REFERENCE IN CONSTRUCTING THE EROSION AND SEDIMENT CONTROLS INDICATED ON THESE PLANS.

ALL EROSION AND SEDIMENT CONTROLS MUST BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.1 INCHES OR GREATER. ANY ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES DEEMED NECESSARY BY THE ENGINEER SHALL BE IMPLEMENTED BY THE CONTRACTOR. ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR, MAINTENANCE, AND REPLACEMENT OF ALL EROSION/SEDIMENT CONTROLS.

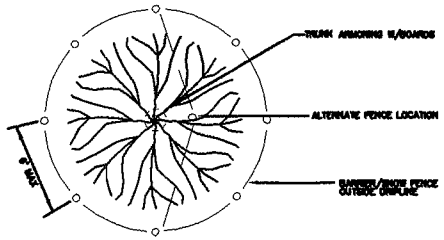
STAKED HAY BALES – HAY OR STRAW BALES EROSION CHECKS ARE TO BE INSTALLED AT THE BASE OF SLOPES INDICATED ON THE PLANS AS A MINIMUM. ADDITIONAL S D & EROSION CONTROL MAY BE REQUIRED DUE TO CONTRACTORS CONSTRUCTION MEANS & METHODS. HAY BALES SHALL ALSO BE PLACED AT CATCH BASINS WHERE SEDIMENT MAY ENTER THE BASIN OR AS DIRECTED BY THE ENGINEER. HAY BALE EROSION CHECKS SHALL BE PLACED IMMEDIATELY AFTER A CUT SLOPE HAS BEEN GRADED AND BEFORE A FILL SLOPE HAS BEEN CREATED. DEPOSITS OF SEDIMENT AND SILT ARE TO BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDES OF THE EROSION CHECKS WHEN THE ACCUMULATION REACHES A MAXIMUM OF 1/2 THE HEIGHT OF THE HAYBALES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THIS MATERIAL IS TO BE SPREAD AND STABILIZED IN AREAS NOT SUBJECT TO EROSION, OR IN AREAS WHICH ARE NOT TO BE PAVED OR BUILT ON. HAY OR STRAW BALES ARE TO BE REPLACED AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. EROSION CHECKS ARE TO REMAIN IN PLACE AND BE MAINTAINED TO INSURE EFFICIENT SILTATION CONTROL UNTIL ALL AREAS ABOVE THE EROSION CHECKS ARE STABILIZED AND VEGETATION IS ESTABLISHED.

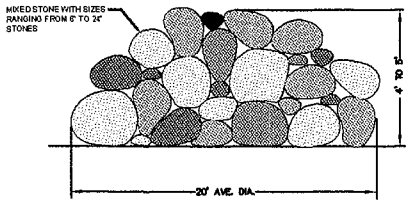
FILTER FENCE – SYNTHETIC FILTER BARRIER FENCE MAY BE USED IN PLACE OF HAY BALES SPECIFIED AT ALL LOCATIONS AS INDICATED ON THE PLANS TO INTERCEPT SILT AND SEDIMENT BEFORE IT REACHES THE DRAINAGEWAYS OR WETLANDS. CATCH BASIN GRATES MAY BE WRAPPED IN FILTER FABRIC IN LIEU OF USING HAYBALES. IN SOME INSTANCES BOTH PROTECTIVE MEASURES MAY BE REQUIRED. DEPOSITS OF SEDIMENT AND SILT ARE TO BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDES OF THE FENCE WHEN THE ACCUMULATION REACHES A MAXIMUM OF 1/2 THE HEIGHT OF THE FILTER FENCE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THIS MATERIAL IS TO BE SPREAD AND STABILIZED IN AREAS NOT SUBJECT TO EROSION, OR IN AREAS WHICH ARE NOT TO BE PAVED OR BUILT ON. THE FENCE IS TO BE REPLACED AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. THE FENCE IS TO REMAIN IN PLACE AND BE MAINTAINED TO INSURE EFFICIENT SILTATION CONTROL UNTIL ALL AREAS ABOVE THE FENCE ARE STABILIZED AND VEGETATION IS ESTABLISHED.

ALL TOPSOIL STOCKPILES ARE TO BE MULCHED WITH EROSION CONTROLS INSTALLED AROUND THEM IMMEDIATELY AFTER THEY ARE CREATED.

IN ALL AREAS, REMOVAL OF VEGETATION, AND DISTURBANCE OF THE SOIL, IS TO BE KEPT TO A MINIMUM WHILE ALLOWING PROPER DEVELOPMENT OF THE SITE.

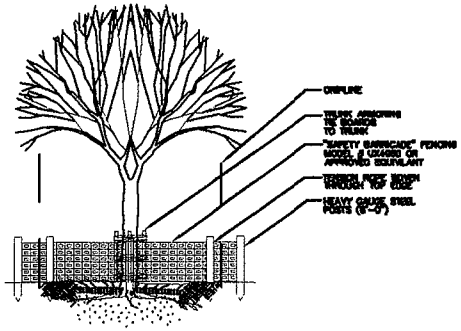
* PROVIDE CONSTRUCTION FENCING AT TOE/TOP OF SLOPE ALONG WETLANDS. NO WORK SHALL BE PERMITTED BEYOND FENCE.





FISH HABITAT STONE BERM DETAIL

NOT TO SCALE

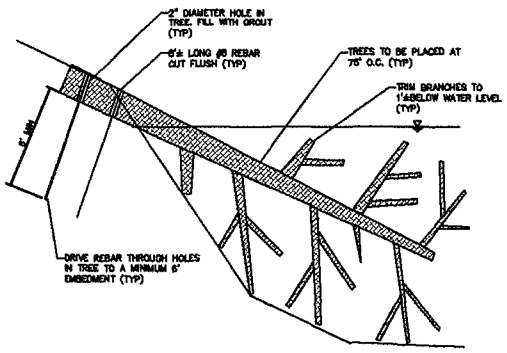


TREE PROTECTION

N.T.S. BLLD-001

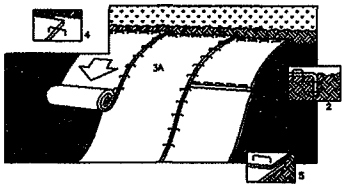
TREE PROTECTION NOTES:

1. ANY METHOD OF TREE PROTECTION MAY BE USED WHICH WILL EFFECTIVELY PROTECT THE ROOTS, TRUNK AND TOPS OF THE TREES DESIGNATED TO BE SAVED. TREES TO BE PROTECTED WITHIN 20 FEET OF EXCAVATION SHALL BE PROTECTED BY FENCING.
2. FENCING SHALL BE HIGHLY VISIBLE, OF STURDY CONSTRUCTION AND AT LEAST THREE FEET HIGH. FENCES MAY BE SNOW FENCE, BOARD FENCE, SYNTHETIC FABRIC FENCE, PLASTIC FENCE, OR SIMILAR MATERIAL.
3. TREES DESIGNATED TO BE SAVED CAN BE ARMORED WITH BURLAP WRAPPING AND VERTICAL TWO INCH STUDS WIRED AROUND THE TREE TRUNK. THE VERTICAL STUDS SHALL ENCIRCLE THE TREE TRUNK WITH A SPACING OF NO MORE THAN THREE INCHES APART AND HAVE A HEIGHT OF NOT LESS THAN FIVE FEET.
4. TREE TRUNK DEVICES SHALL BE IN PLACE BEFORE ANY EXCAVATION OR GRADING BEGINS, SHALL BE KEPT IN GOOD SERVICE FOR THE DURATION OF ALL CONSTRUCTION ACTIVITIES, AND SHALL BE THE LAST ITEM REMOVED AFTER THE COMPLETION OF THE PROJECT.
5. ALL TREE PROTECTION SHALL BE IN ACCORDANCE WITH THE DETAILS AND SPECIFICATIONS IDENTIFIED.



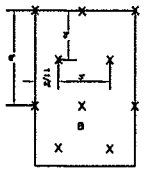
TREE FELLING DETAIL

NOT TO SCALE



SLOPE INSTALLATION DETAIL

NOT TO SCALE



1.5 STAPLES PER SQ YD

STAPLE PATTERN GUIDE

NOT TO SCALE

GENERAL NOTES

NOTE: REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS DOWN THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.

EROSION CONTROL BLANKET @ TROUT POND

IMPROVEMENTS TO WALTON POND AND TROUT POND WINDING TRAILS, INC.

50 WINDING TRAILS DRIVE
FARMINGTON, CT 06032

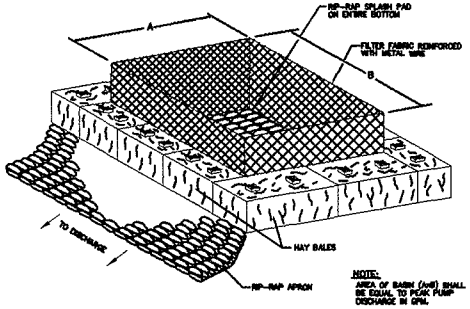
Macchi Engineers, LLC

CIVIL ENGINEERS LLC

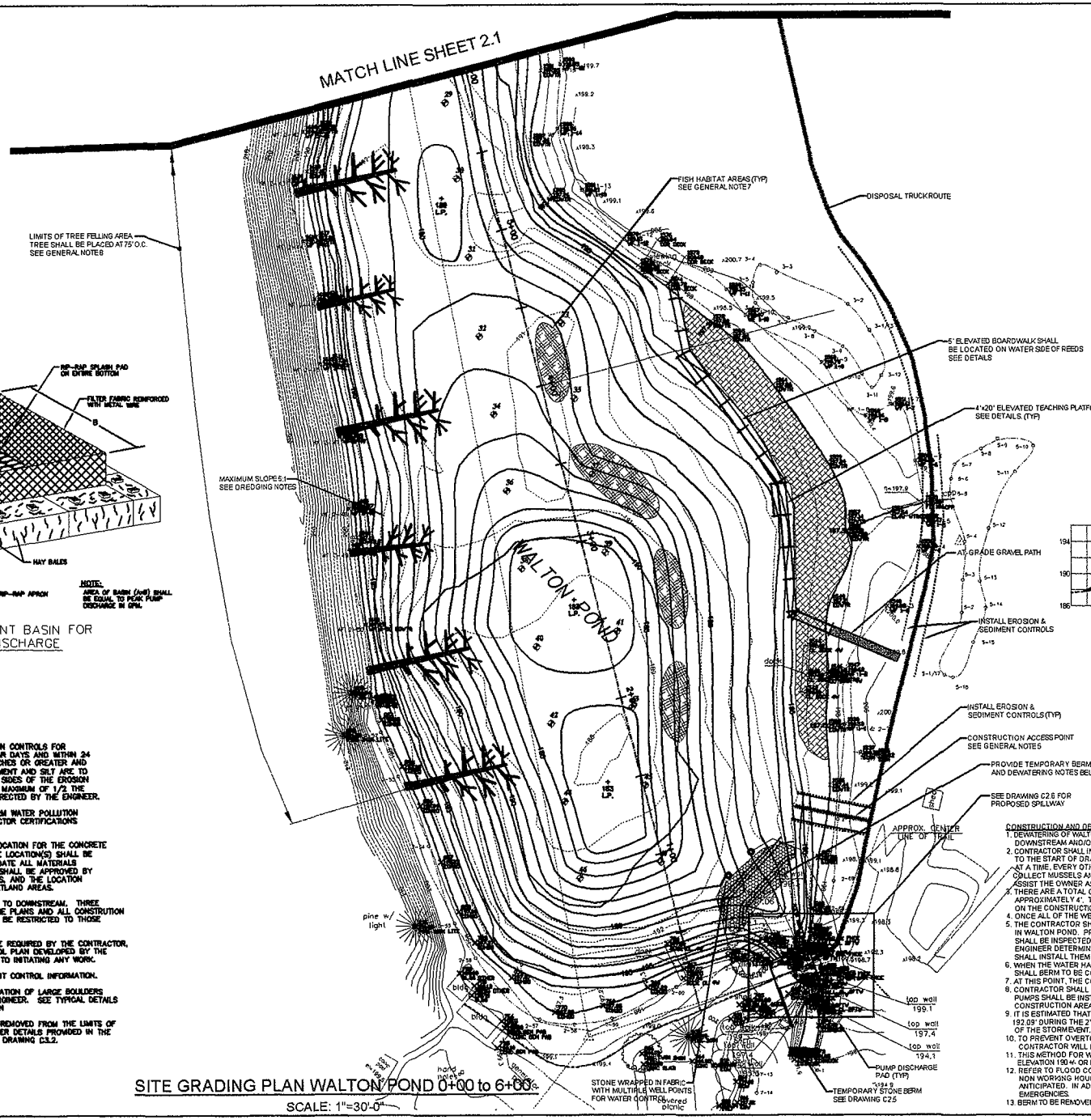
SCALE AS NOTED	DATE
DESIGNED BR	3/16/16
DRAWN BR	3/16/16
CHECKED BR	3/16/16

DRAWING TITLE
GENERAL DETAILS 2

PROJECT NO. 09-1000
SHEET - OF -
DRAWING NO.
C1.2



TEMPORARY SEDIMENT BASIN FOR DEWATERING DISCHARGE

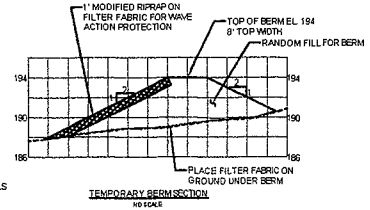


SITE GRADING PLAN WALTON POND 0+00 to 6+00

SCALE: 1"=30'-0"

LEGEND

- WETLANDS
- BORING
- NO CONSTRUCTION AREA EMERGENT ZONES
- FISH HABITAT
- AT GRADE GRAVEL PATH
- ELEVATED BOARDWALK
- EROSION & SEDIMENT CONTROLS
- EROSION CONTROL BLANKET
- DISPOSAL TRUCK ROUTE
- RIPRAP
- CLEARING & GRUBBING



TEMPORARY BERM SECTION
NO SCALE

GENERAL NOTES

1. CONTRACTOR SHALL EXAMINE TEMPORARY EROSION CONTROLS FOR EXCESSIVE SEDIMENT BUILD UP EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.1 INCHES OR GREATER AND CLEAN/REPAIR AS REQUIRED. DEPOSITS OF SEDIMENT AND SILT ARE TO BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDES OF THE EROSION CONTROLS WHEN THE ACCUMULATION REACHES A MAXIMUM OF 1/2 THE HEIGHT OF THE HAYBALES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL BE REQUIRED KEEP STORM WATER POLLUTION CONTROL PLAN AND MAINTAINED SIGNED CONTRACTOR CERTIFICATIONS ON THE JOB SITE AT ALL TIMES.
3. THE CONTRACTOR SHALL PROVIDE A SUITABLE LOCATION FOR THE CONCRETE TRUCKS TO WASH OUT AFTER THEIR POURS. THE LOCATION(S) SHALL BE DEPRESSED AREA(S) AND BE ABLE TO ACCOMMODATE ALL MATERIALS FROM THE WASHING ACTIVITIES. ALL LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ANY CLEANING ACTIVITIES, AND THE LOCATION SHALL NOT DRAIN OR BE LOCATED NEAR ANY WETLAND AREAS.
4. DREDGING SHALL BE COMPLETED FROM UPSTREAM TO DOWNSTREAM. THREE EXTRACTION POINTS HAVE BEEN IDENTIFIED ON THE PLANS AND ALL CONSTRUCTION TRAFFIC ENTERING AND EXITING THE POND SHALL BE RESTRICTED TO THOSE POINTS.
5. IF ADDITIONAL OR ALTERNATE ACCESS POINTS ARE REQUIRED BY THE CONTRACTOR, THEY SHALL BE IDENTIFIED IN THE WATER CONTROL PLAN DEVELOPED BY THE CONTRACTOR AND SUBMITTED FOR REVIEW PRIOR TO INITIATING ANY WORK.
6. REFER TO DRAWING C2.4 FOR ADDITIONAL SEDIMENT CONTROL INFORMATION.
7. FISH HABITAT AREA SHALL CONSIST OF A COMBINATION OF LARGE BOULDERS AND STUMPS AND SHALL BE PLACED PER THE ENGINEER. SEE TYPICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION
8. TREE FELLING SHALL CONSIST OF PLACING TREES REMOVED FROM THE LIMITS OF CLEARING FOR THE ACCESS ROAD AND PLACED PER DETAILS PROVIDED IN THE SPECIFICATIONS AND TYPICAL DETAILS SHOWN ON DRAWING C3.2.

CONSTRUCTION AND DEWATERING NOTES

1. DEWATERING OF WALTON POND SHALL OCCUR SLOWLY SO AS NOT TO INCREASE FLOW DOWNSTREAM AND/OR CAUSE EROSION OF THE DOWNSTREAM CHANNEL.
2. CONTRACTOR SHALL INSTALL ALL DOWNSTREAM EROSION CONTROLS AS SHOWN PRIOR TO THE START OF DRAWDOWN. THE EXISTING WEIR BOARDS SHALL BE REMOVED ONE AT A TIME, EVERY OTHER DAY. THIS WILL PROVIDE TIME FOR WINDING TRAILS STAFF TO COLLECT MUSSELS AND TRANSPORT THEM TO DUNNING LAKE. THE CONTRACTOR SHALL ASSIST THE OWNER AS REQUIRED TO TRANSPORT MUSSELS.
3. THERE ARE A TOTAL OF 8 WEIR BOARDS THAT WILL DRAW THE POND DOWN A TOTAL OF APPROXIMATELY 4'. THE CONTRACTOR SHALL ALLOW 2 WEEKS FOR THIS PROCESS AS SHOWN ON THE CONSTRUCTION SCHEDULE
4. ONCE ALL OF THE WEIR BOARDS ARE REMOVED, THE POND SHOULD BE DOWN TO ELEVATION 193.4'
5. THE CONTRACTOR SHALL THEN UTILIZE PUMPS AS REQUIRED TO REMOVE THE REMAINING WATER IN WALTON POND. PRIOR TO PUMPING, EROSION CONTROLS, PUMP DISCHARGE PADS, ETC. SHALL BE INSPECTED BY THE ENGINEER AND APPROVED. IF DURING THE DRAWDOWN THE ENGINEER DETERMINES ADDITIONAL SEDIMENT CONTROLS ARE REQUIRED, THE CONTRACTOR SHALL INSTALL THEM AT HIS OWN EXPENSE.
6. WHEN THE WATER HAS BEEN DRAWN DOWN TO ELEVATION 190 OR LOWER, THE WATER CONTROL SHALL BERM TO BE CONSTRUCTED TO ELEVATION 194.00 AS SHOWN.
7. AT THIS POINT, THE CONTRACTOR CAN BEGIN DREDGING OPERATIONS.
8. CONTRACTOR SHALL PROVIDE AND MAINTAIN PUMPS CAPABLE OF HANDLING ANTICIPATED FLOWS. PUMPS SHALL BE INSTALLED AND READY TO USE AT ALL TIMES TO PREVENT FLOODING OF OPEN CONSTRUCTION AREA DURING DAM CONSTRUCTION.
9. IT IS ESTIMATED THAT THE WATER WILL RISE IN THE POND TO ELEVATION 192.03' DURING THE 2YR STORM WHILE USING THE PUMPS FOR THE DURATION OF THE STORM EVENT.
10. TO PREVENT OVERTOPPING OF TEMPORARY BERM DURING CONSTRUCTION, CONTRACTOR WILL NEED TO PROVIDE PUMPS CAPABLE OF HANDLING 6 CFS.
11. THIS METHOD FOR WATER CONTROL ASSUMES THE POND IS DRAINED TO ELEVATION 190.4' OR LOWER.
12. REFER TO FLOOD CONTINGENCY PLAN FOR INSTRUCTIONS ON STORAGE OF MATERIALS DURING NON WORKING HOURS AND PROTECTION OF CONSTRUCTION SITE WHEN STORMS ARE ANTICIPATED. IN ADDITION, REFER TO PLAN FOR CONTACT INFORMATION IN CASE OF EMERGENCIES.
13. BERM TO BE REMOVED FOLLOWING CONSTRUCTION.

REVISIONS			
1	1/26/10	JRB	REVISED PER TOWN COMMENTS
2	1/26/10	JRB	REVISED PER TOWN COMMENTS
3	1/26/10	JRB	REVISED PER TOWN COMMENTS
4	2/26/10	JRB	REVISED PER TOWN COMMENTS
5	3/17/10	JRB	REVISED PER TOWN COMMENTS

IMPROVEMENTS TO WALTON POND AND TROUT POND
WINDING TRAILS, INC.
50 WINDING TRAILS DRIVE
FARMINGTON, CT 06032

CIVIL SOLUTIONS, LLC
RICHARD J. PELLEGRINO
CT LICENSE NO. 18631
DATE 2/26/10

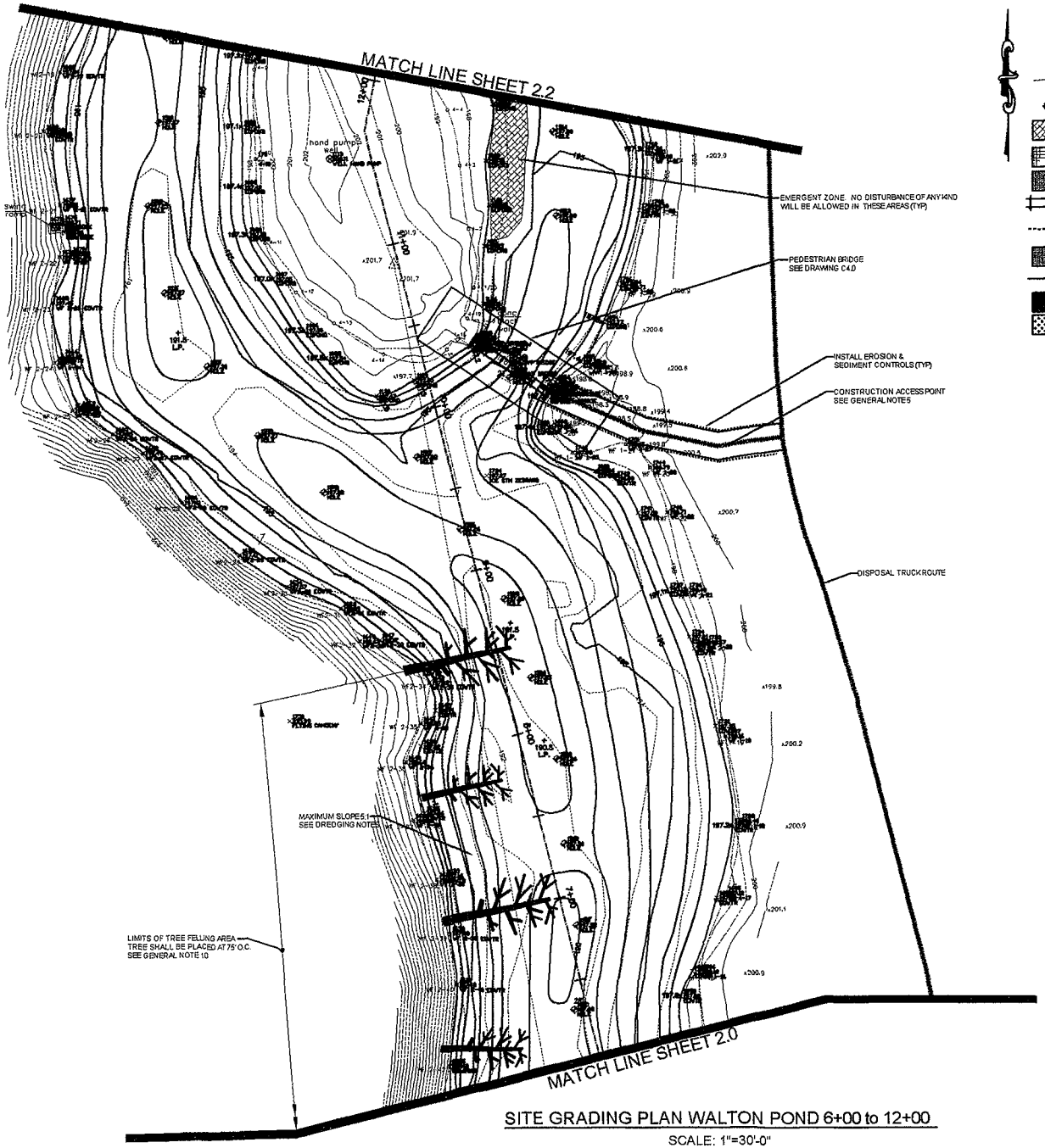
SCALE AS NOTED	DATE
DESIGNED RP	2/26/10
DRAWN RP	2/26/10
CHECKED RP	2/26/10

DRAWING TITLE
GRADING PLAN 0+00-6+00

PROJECT NO. CT-0004
SHEET - OF -
DRAWING NO. C2.0

GENERAL NOTES

1. CONTRACTOR SHALL EXAMINE TEMPORARY EROSION CONTROLS FOR EXCESSIVE SEDIMENT BUILD UP EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.1 INCHES OR GREATER AND CLEAN/REPAIR AS REQUIRED. DEPOSITS OF SEDIMENT AND SILT ARE TO BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDES OF THE EROSION CONTROLS WHEN THE ACCUMULATION REACHES A MAXIMUM OF 1/2 THE HEIGHT OF THE HAYBALES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL BE REQUIRED KEEP STORM WATER POLLUTION CONTROL PLAN AND MAINTAINED SIGNED CONTRACTOR CERTIFICATIONS ON THE JOB SITE AT ALL TIMES.
3. THE CONTRACTOR SHALL PROVIDE A SUITABLE LOCATION FOR THE CONCRETE TRUCKS TO WASH OUT AFTER THEIR POURS. THE LOCATION(S) SHALL BE DEPRESSED AREA(S) AND BE ABLE TO ACCOMMODATE ALL MATERIALS FROM THE WASHING ACTIVITIES. ALL LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ANY CLEANING ACTIVITIES, AND THE LOCATION SHALL NOT DRAIN OR BE LOCATED NEAR ANY WETLAND AREAS.
4. DREDGING SHALL BE COMPLETED FROM UPSTREAM TO DOWNSTREAM. THREE EXTRACTION POINTS HAVE BEEN IDENTIFIED ON THE PLANS AND ALL CONSTRUTION TRAFFIC ENTERING AND EXITING THE POND SHALL BE RESTRICTED TO THOSE POINTS.
5. IF ADDITIONAL OR ALTERNATE ACCESS POINTS ARE REQUIRED BY THE CONTRACTOR, THEY SHALL BE IDENTIFIED IN THE WATER CONTROL PLAN DEVELOPED BY THE CONTRACTOR AND SUBMITTED FOR REVIEW PRIOR TO INITIATING ANY WORK.
6. REFER TO DRAWING C2.4 FOR ADDITIONAL SEDIMENT CONTROL INFORMATION.
7. EXISTING ACCESS BRIDGE SHALL BE REMOVED AND STORED IN A LOCATION IDENTIFIED BY THE OWNER.
8. TREE FELLING SHALL CONSIST OF PLACING TREES REMOVED FROM THE LIMITS OF CLEARING FOR THE ACCESS ROAD AND PLACED PER DETAILS PROVIDED IN THE SPECIFICATIONS AND TYPICAL DETAILS SHOWN ON DRAWING C3.2.



LEGEND

- WETLANDS
- BORING
- NO CONSTRUCTION AREA EMERGENT ZONES
- FISH HABITAT
- AT GRADE GRAVEL PATH
- ELEVATED BOARDWALK
- EROSION & SEDIMENT CONTROLS
- EROSION CONTROL BLANKET
- DISPOSAL TRUCK ROUTE
- RIPRAP
- CLEARING & GRUBBING

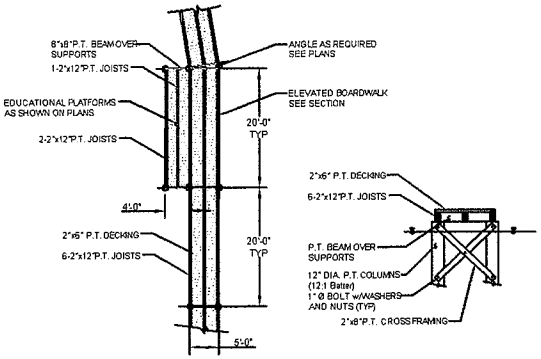
SITE GRADING PLAN WALTON POND 6+00 to 12+00

SCALE: 1"=30'-0"

IMPROVEMENTS TO WALTON POND AND TROUT POND
WINDING TRAILS, INC.
50 WINDING TRAILS DRIVE
FARMINGTON, CT 06032

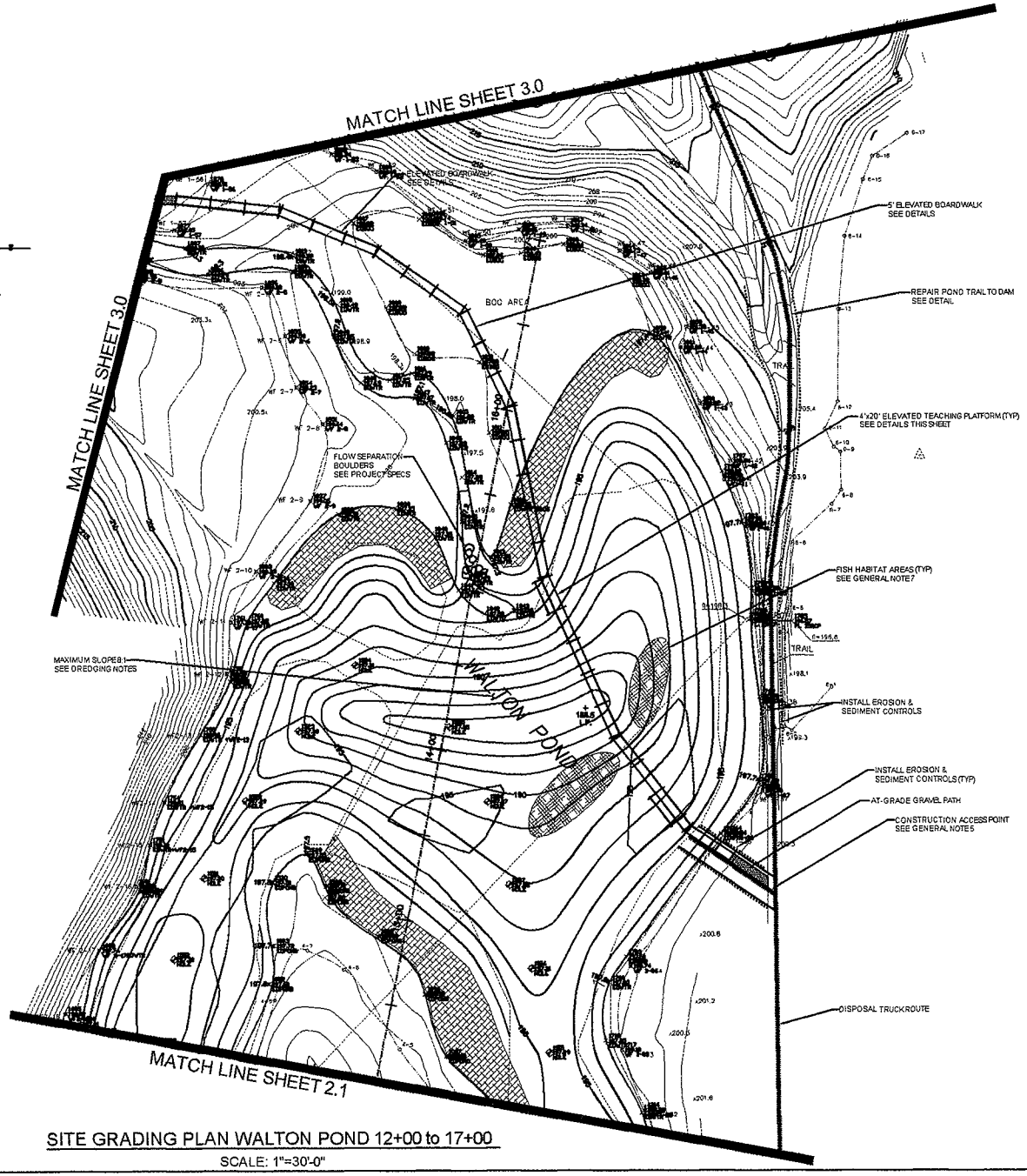
GRADING PLAN 6+00–12+00

C2.1



TYPICAL BOARDWALK DETAILS

SCALE: 1"=10'-0"



SITE GRADING PLAN WALTON POND 12+00 to 17+00

SCALE: 1"=30'-0"

LEGEND

- WETLANDS
- BORING
- NO CONSTRUCTION AREA EMERGENT ZONES
- FISH HABITAT
- AT GRADE GRAVEL PATH
- ELEVATED BOARDWALK
- EROSION & SEDIMENT CONTROLS
- EROSION CONTROL BLANKET
- DISPOSAL TRUCK ROUTE
- RIPRAP
- CLEARING & GRUBBING

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4. DREDGING SHALL BE COMPLETED FROM UPSTREAM TO DOWNSTREAM. THREE EXTRACTION POINTS HAVE BEEN IDENTIFIED ON THE PLANS AND ALL CONSTRUCTION TRAFFIC ENTERING AND EXITING THE POND SHALL BE RESTRICTED TO THOSE POINTS.
5. IF ADDITIONAL OR ALTERNATE ACCESS POINTS ARE REQUIRED BY THE CONTRACTOR, THEY SHALL BE IDENTIFIED IN THE WATER CONTROL PLAN DEVELOPED BY THE CONTRACTOR AND SUBMITTED FOR REVIEW PRIOR TO INITIATING ANY WORK.
6. REFER TO DRAWING C2.4 FOR ADDITIONAL SEDIMENT CONTROL INFORMATION.
7. FISH HABITAT AREA SHALL CONSIST OF A COMBINATION OF LARGE BOULDERS AND FINES AND SHALL BE PLACED PER THE ENGINEER. SEE TYPICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION

DATE	DESCRIPTION
1 7/26/10	PER SUBMITTAL REVIEW COMMENTS, TOTAL 10"
2 7/26/10	PER SUBMITTAL REVIEW COMMENTS, TOTAL 8"
3 8/4/10	PER ADDITIONAL INFORMATION, REVISED EXCAVATION, TOTAL 8"
4 10/7/10	PER SUBMITTAL REVIEW COMMENTS, TOTAL 8" (TRANSMITTAL)

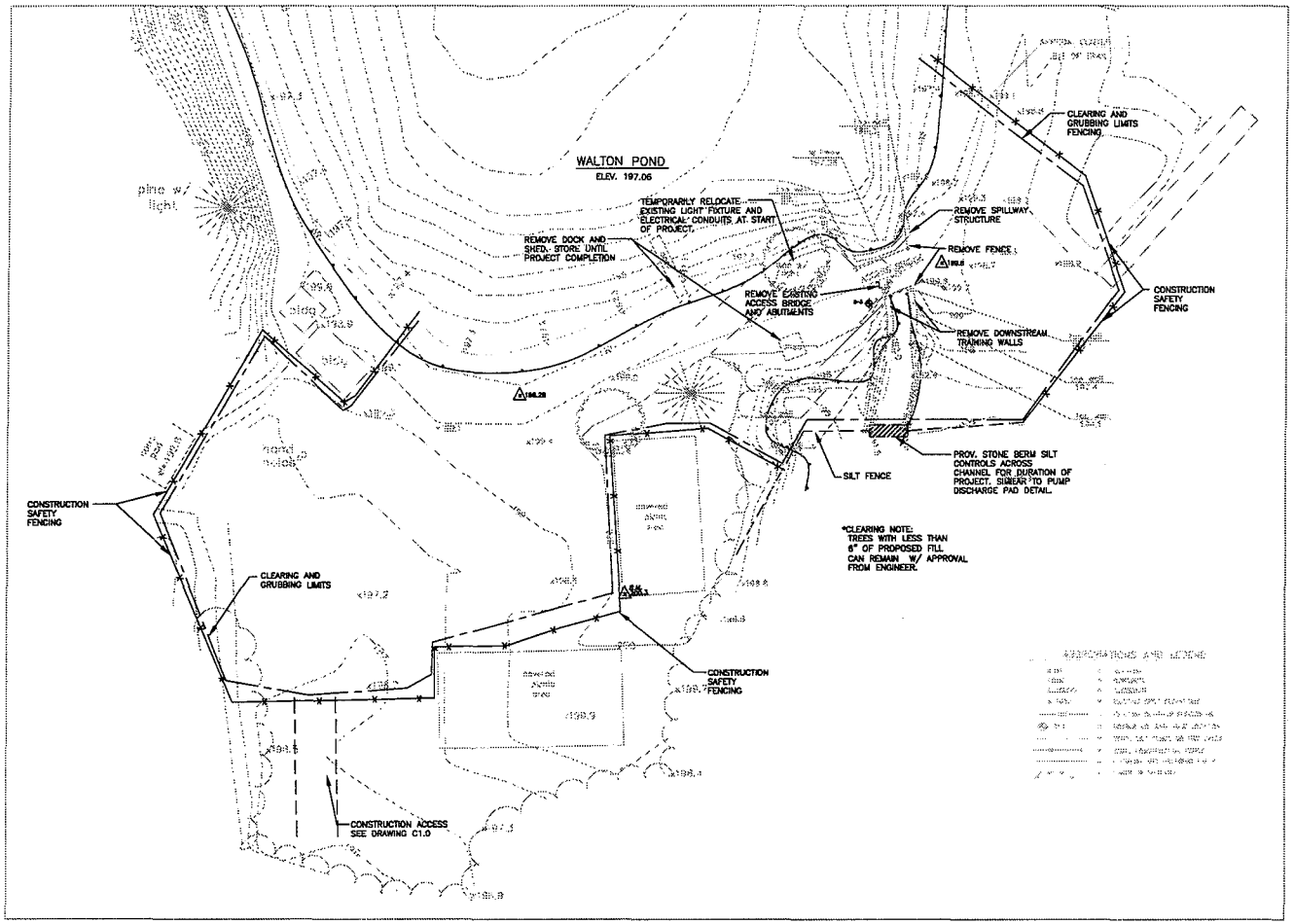
IMPROVEMENTS TO WALTON POND AND TROUT POND
WINDING TRAILS, INC.
50 WINDING TRAILS DRIVE
FARMINGTON, CT 06032

CIVIL ENGINEERS LLC
WOODSTOCK, CONNECTICUT
07 Bigelow Street, Suite 2
Hartford, CT 06106-1426
Tel: 860-246-1426

SCALE AS NOTED	DATE
DESIGNED BR	5/28/10
DRAWN BR	5/28/10
CHECKED BR	5/28/10

DRAWING TITLE
GRADING PLAN 12+00-17+00

PROJECT NO. 07-005
SHEET - OF -
DRAWING NO. C2.2



WALTON POND DAM SITE PREP

SCALE: 1"=20'-0"

N

DRAWING NOTES

1) SEE DRAWING C1.1 FOR GENERAL NOTES AND SILTATION CONTROL DETAILS.
2) SEE DRAWING C2.6 FOR PROPOSED WALTON POND DAM WORK.
3) SEE DRAWING C2.7 FOR SPILLWAY AND WALL DETAILS.
4) SEE DRAWING C2.8 FOR BRIDGE AND MISC. CONCRETE DETAILS.

EROSION CONTROL NOTES

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IN GENERAL, ALL CONSTRUCTION ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSE, WATER BODY AND CONDUIT CARRYING WATER, ETC. THE CONTRACTOR SHALL LIMIT, AS POSSIBLE , THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS, AND IMMEDIATELY PROVIDE TEMPORARY AND PERMANENT POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES AND WATER BODIES, AND TO PREVENT, INSOFAR AS POSSIBLE, EROSION ON THE SITE.

CONSTRUCTION METHODS, IN GENERAL SHALL BE IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (2002) BY THE STATE OF CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION. THE EROSION CONTROL GUIDELINES ARE OBTAINABLE FROM THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION, STATE OFFICE BUILDING, HARTFORD, CONNECTICUT 06106, AND SHOULD BE USED AS A REFERENCE IN CONSTRUCTING THE EROSION AND SEDIMENT CONTROLS INDICATED ON THESE PLANS.

ALL EROSION AND SEDIMENT CONTROLS MUST BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.1 INCHES OR GREATER. ANY ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES DEEMED NECESSARY BY THE ENGINEER SHALL BE IMPLEMENTED BY THE CONTRACTOR. ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR, MAINTENANCE, AND REPLACEMENT OF ALL EROSION/SEDIMENT CONTROLS.

STAKED HAY BALES – HAY OR STRAW BALES EROSION CHECKS ARE TO BE INSTALLED AT THE BASE OF SLOPES INDICATED ON THE PLANS AS A MINIMUM. ADDITIONAL S D & EROSION CONTROL MAY BE REQUIRED DUE TO CONTRACTORS CONSTRUCTION MEANS & METHODS. HAY BALES SHALL ALSO BE PLACED AT CATCH BASINS WHERE SEDIMENT MAY ENTER THE BASIN OR AS DIRECTED BY THE ENGINEER. HAY BALE EROSION CHECKS SHALL BE PLACED IMMEDIATELY AFTER A CUT SLOPE HAS BEEN GRADED AND BEFORE A FILL SLOPE HAS BEEN CREATED. DEPOSITS OF SEDIMENT AND SILT ARE TO BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDES OF THE EROSION CHECKS WHEN THE ACCUMULATION REACHES A MAXIMUM OF 1/2 THE HEIGHT OF THE HAYBALES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THIS MATERIAL IS TO BE SPREAD AND STABILIZED IN AREAS NOT SUBJECT TO EROSION, OR IN AREAS WHICH ARE NOT TO BE PAVED OR BUILT ON. HAY OR STRAW BALES ARE TO BE REPLACED AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. EROSION CHECKS ARE TO REMAIN IN PLACE AND BE MAINTAINED TO INSURE EFFICIENT SILTATION CONTROL UNTIL ALL AREAS ABOVE THE EROSION CHECKS ARE STABILIZED AND VEGETATION IS ESTABLISHED.

FILTER FENCE – SYNTHETIC FILTER BARRIER FENCE MAY BE USED IN PLACE OF HAY BALES SPECIFIED AT ALL LOCATIONS AS INDICATED ON THE PLANS TO INTERCEPT SILT AND SEDIMENT BEFORE IT REACHES THE DRAINAGEWAYS OR WETLANDS. CATCH BASIN GRATES MAY BE WRAPPED IN FILTER FABRIC IN LIEU OF USING HAYBALES. IN SOME INSTANCES BOTH PROTECTIVE MEASURES MAY BE REQUIRED. DEPOSITS OF SEDIMENT AND SILT ARE TO BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDES OF THE FENCE WHEN THE ACCUMULATION REACHES A MAXIMUM OF 1/2 THE HEIGHT OF THE FILTER FENCE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THIS MATERIAL IS TO BE SPREAD AND STABILIZED IN AREAS NOT SUBJECT TO EROSION, OR IN AREAS WHICH ARE NOT TO BE PAVED OR BUILT ON. THE FENCE IS TO BE REPLACED AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. THE FENCE IS TO REMAIN IN PLACE AND BE MAINTAINED TO INSURE EFFICIENT SILTATION CONTROL UNTIL ALL AREAS ABOVE THE FENCE ARE STABILIZED AND VEGETATION IS ESTABLISHED.

ALL TOPSOIL STOCKPILES ARE TO BE MULCHED WITH EROSION CONTROLS INSTALLED AROUND THEM IMMEDIATELY AFTER THEY ARE CREATED.

IN ALL AREAS, REMOVAL OF VEGETATION, AND DISTURBANCE OF THE SOIL, IS TO BE KEPT TO A MINIMUM WHILE ALLOWING PROPER DEVELOPMENT OF THE SITE.

ADDITIONAL NOTES

EXISTING BRIDGE OVER THE DOWNSTREAM CHANNEL IS NOT RATED FOR HEAVY EQUIPMENT. CONTRACTOR SHALL CONSTRUCT TEMPORARY BERM FOR WATER CONTROL AND ACCESS AROUND DAM. SEE DWG 2.0 FOR ADDITIONAL INFORMATION.

ALL STONES AND BOULDERS REMOVED AS PART OF DEMOLITION ARE TO BE STOCKPILED AS DIRECTED BY OWNER AND SHALL REMAIN PROPERTY OF OWNER. CONCRETE REMOVED DURING DEMOLITION SHALL BE REMOVED FROM SITE.

NO.	DATE	DESCRIPTION

IMPROVEMENTS TO WALTON POND AND TROUT POND
WINDING TRAILS, INC.
50 WINDING TRAILS DRIVE
FARMINGTON, CT 06032

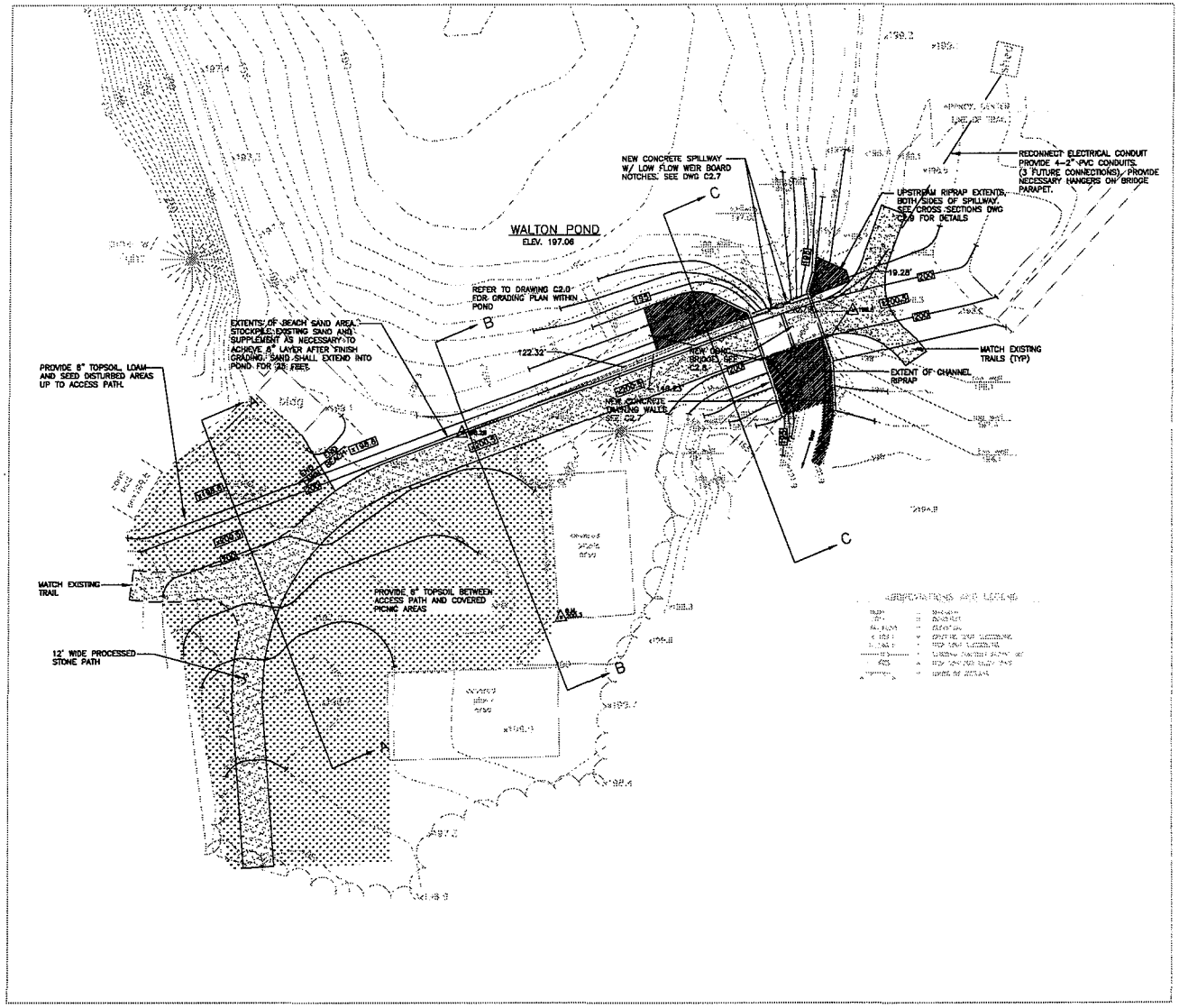
Macchi Engineers, LLC
61 New Britain Avenue
Rocky Hill, CT 06067
Phone: (860) 563-1140
Fax: (860) 563-1166

CIVIL ENGINEERS, L.L.C.
ROCKY HILL, CT
P.E.
61 New Britain Avenue
Rocky Hill, CT 06067
(860) 563-1140

APPROVAL/STAMP

SCALE: AS NOTED	DATE:
DESIGNED: JFB	03/31/19
DRAWN: JFB	03/31/19
CHECKED: BR	03/31/19

DRAWING FILE
WALTON POND DAM SITE PREP
PROJECT NO. 07-059
SHEET - OF -
DRAWING NO.
C2.5



WALTON POND DAM PROPOSED SITE PLAN

SCALE: 1"=20'-0"

N

HYDROLOGIC & HYDRAULIC DATA FOR WALTON POND DAM

WATERSHED AREA: 1.13 SQ. MILES (725 AC.)
LAKE AREA: 8 ACRES

IMPOUNDMENT:
BELOW SPILLWAY EL. 197.06' = 12.2 AC-FT+/-
BELOW TOP OF DAM EL. 200.5' = 25.3 AC-FT+/-

CLASSIFICATION OF DAM:
SMALL SIZE, HAZARD CLASS - BB

SPILLWAY DESIGN FLOOD:
100-YR STORM

SPILLWAY DISCHARGE DATA: (PROPOSED)

CONDITION	2 YR.	10 YR	25 YR	100 YR
24 HOUR PRECIP.	3.2"	4.7"	5.5"	6.9"
PEAK DISCHARGE, CFS	7.34	57.36	102.72	211.13
WATER SURFACE EL.	197.58	198.25	198.64	199.35
DAM FREEBOARD	2.92'	2.25'	1.86'	1.15'

DRAWING NOTES

1) SEE DRAWING C1.1 FOR GENERAL NOTES AND SILTATION CONTROL DETAILS.
2) SEE DRAWING C2.5 FOR SITE PREPARTAION PLAN.
3) SEE DRAWING C2.7 FOR SPILLWAY AND WALL DETAILS.
4) SEE DRAWING C2.8 FOR BRIDGE AND MISC. CONCRETE DETAILS.
5) SEE DRAWING C2.9 FOR CROSS SECTIONS THROUGH THE DAM.

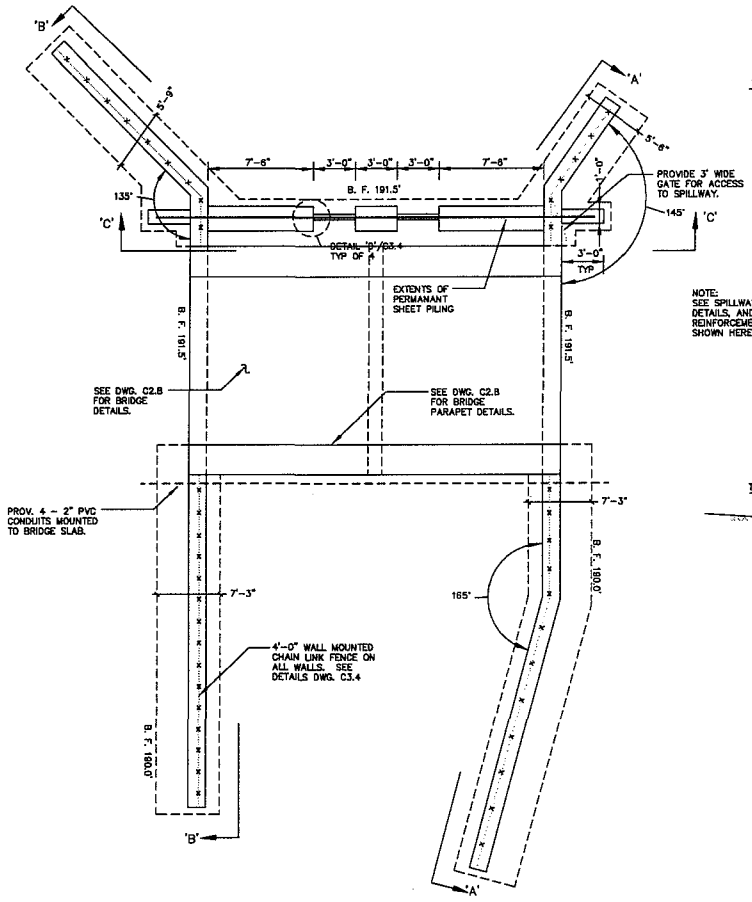
IMPROVEMENTS TO WALTON POND AND TROUT POND
WINDING TRAILS, INC.

50 WINDING TRAILS DRIVE
FARMINGTON, CT 06032

Macchi Engineers, LLC

WALTON POND DAM PROPOSED SITE PLAN

C2.6

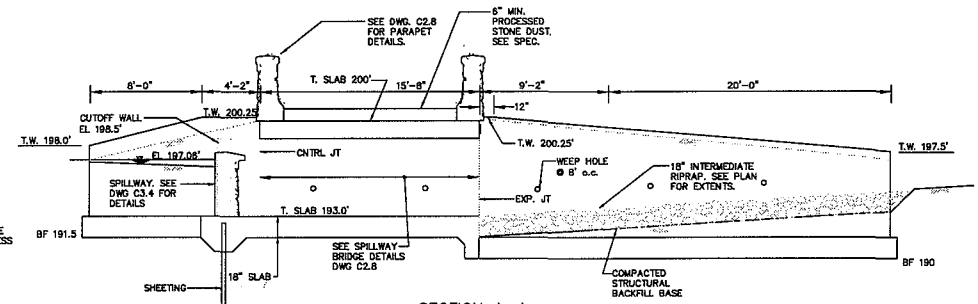


WALTON POND SPILLWAY

SCALE: 1/4" = 1'-0"

N

NOTE:
SEE SPILLWAY DETAILS, RETAINING WALL DETAILS, AND SCHEDULE ON C3.4 FOR REINFORCEMENT AND DIMENSIONS NOT SHOWN HERE.

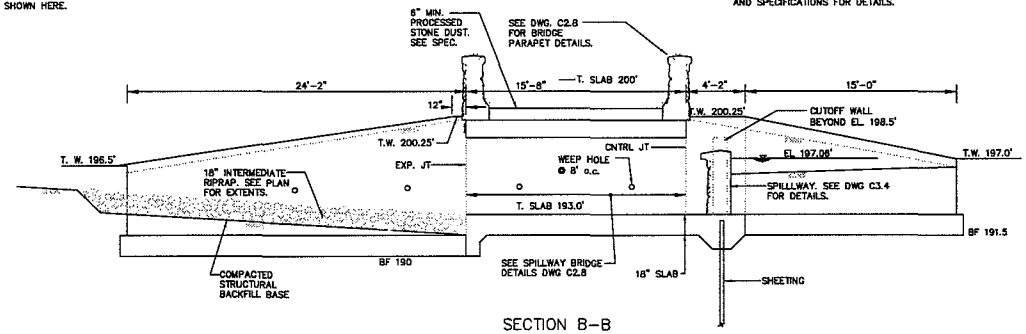


SECTION A-A

SCALE: 1/4" = 1'-0"

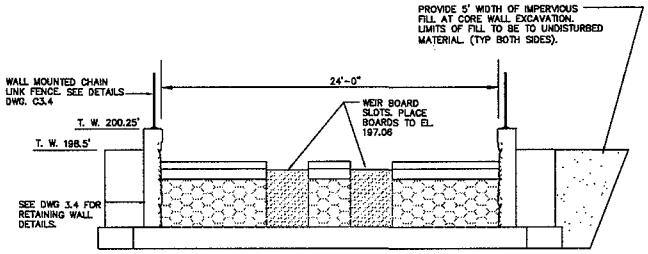
NOTES:
WALL MOUNTED CHAIN LINK FENCE NOT SHOWN FOR CLARITY. SEE PLAN FOR LOCATION AND C3.4 FOR DETAILS.

FORM LINER NOT SHOWN FOR CLARITY. VERTICAL FACES OF EXPOSED WALLS TO HAVE FORM LINER. SEE DWG. C3.4 AND SPECIFICATIONS FOR DETAILS.



SECTION B-B

SCALE: 1/4" = 1'-0"



NOTES:
REINFORCEMENT AND CUTOFF SHEET PILING NOT SHOWN FOR CLARITY.

PROVIDE FORM LINER ON DOWNSTREAM FACE OF SPILLWAY WHERE SHOWN. SEE SPECIFICATIONS FOR DETAILS.

SECTION C-C

SCALE: 1/4" = 1'-0"

IMPROVEMENTS TO WALTON POND AND TROUT POND
WINDING TRAILS, INC.

50 WINDING TRAILS DRIVE
FARMINGTON, CT 06032

Macchi Engineers, LLC

CIVIL ENGINEERS, LLC P.E.

471 New Britain Avenue
Farmington, CT 06030
(860) 256-3100

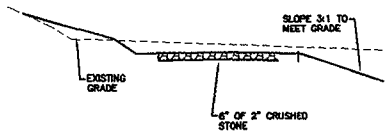
SCALE: AS NOTED	DATE
DESIGNED: JFB	03/21/19
DRAWN: JFB	03/21/19
CHECKED: RB	03/21/19

DRAWING FILE
WALTON POND DAM SPILLWAY AND SECTIONS

PROJECT NO. 07-035

SHEET - OF -

DRAWING NO.
C2.7



SECTION 'B-B'

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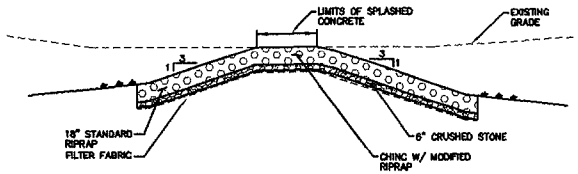
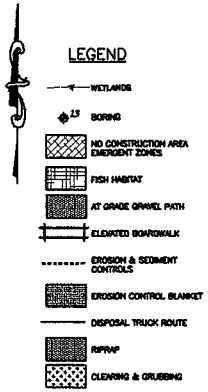
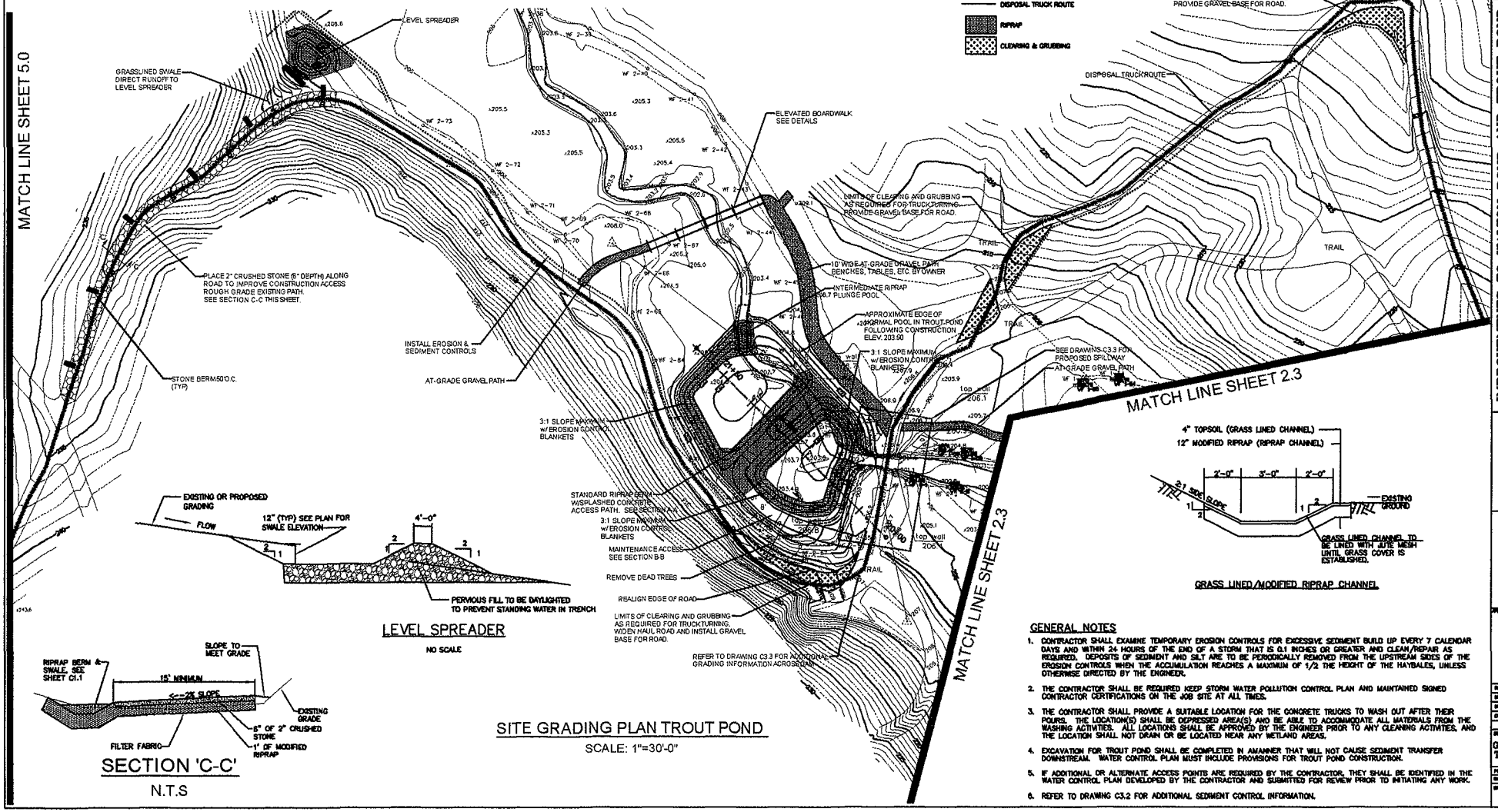


SECTION 'A-A'

N.T.S





LEVEL SPREADER

NO SCALE

SECTION 'C-C'

N.T.S

SITE GRADING PLAN TROUT POND

SCALE: 1"=30'-0"

GRASS LINED/MODIFIED RIPRAP CHANNEL

GENERAL NOTES

1. CONTRACTOR SHALL EXAMINE TEMPORARY EROSION CONTROLS FOR EXCESSIVE SEDIMENT BUILD UP EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.1 INCHES OR GREATER AND CLEAN/REPAIR AS REQUIRED. DEPOSITS OF SEDIMENT AND SILT ARE TO BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDES OF THE EROSION CONTROLS WHEN THE ACCUMULATION REACHES A MAXIMUM OF 1/2 THE HEIGHT OF THE HAYBALES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL BE REQUIRED KEEP STORM WATER POLLUTION CONTROL PLAN AND MAINTAINED SIGNED CONTRACTOR CERTIFICATIONS ON THE JOB SITE AT ALL TIMES.
3. THE CONTRACTOR SHALL PROVIDE A SUITABLE LOCATION FOR THE CONCRETE TRUCKS TO WASH OUT AFTER THEIR POURS. THE LOCATION(S) SHALL BE DEPRESSED AREA(S) AND BE ABLE TO ACCOMMODATE ALL MATERIALS FROM THE WASHING ACTIVITIES. ALL LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ANY CLEANING ACTIVITIES, AND THE LOCATION SHALL NOT DRAIN OR BE LOCATED NEAR ANY WETLAND AREAS.
4. EXCAVATION FOR TROUT POND SHALL BE COMPLETED IN AMANNER THAT WILL NOT CAUSE SEDIMENT TRANSFER DOWNSTREAM. WATER CONTROL PLAN MUST INCLUDE PROVISIONS FOR TROUT POND CONSTRUCTION.
5. IF ADDITIONAL OR ALTERNATE ACCESS POINTS ARE REQUIRED BY THE CONTRACTOR, THEY SHALL BE IDENTIFIED IN THE WATER CONTROL PLAN DEVELOPED BY THE CONTRACTOR AND SUBMITTED FOR REVIEW PRIOR TO INITIATING ANY WORK.
6. REFER TO DRAWING C3.2 FOR ADDITIONAL SEDIMENT CONTROL INFORMATION.

REVISIONS	DATE	DESCRIPTION

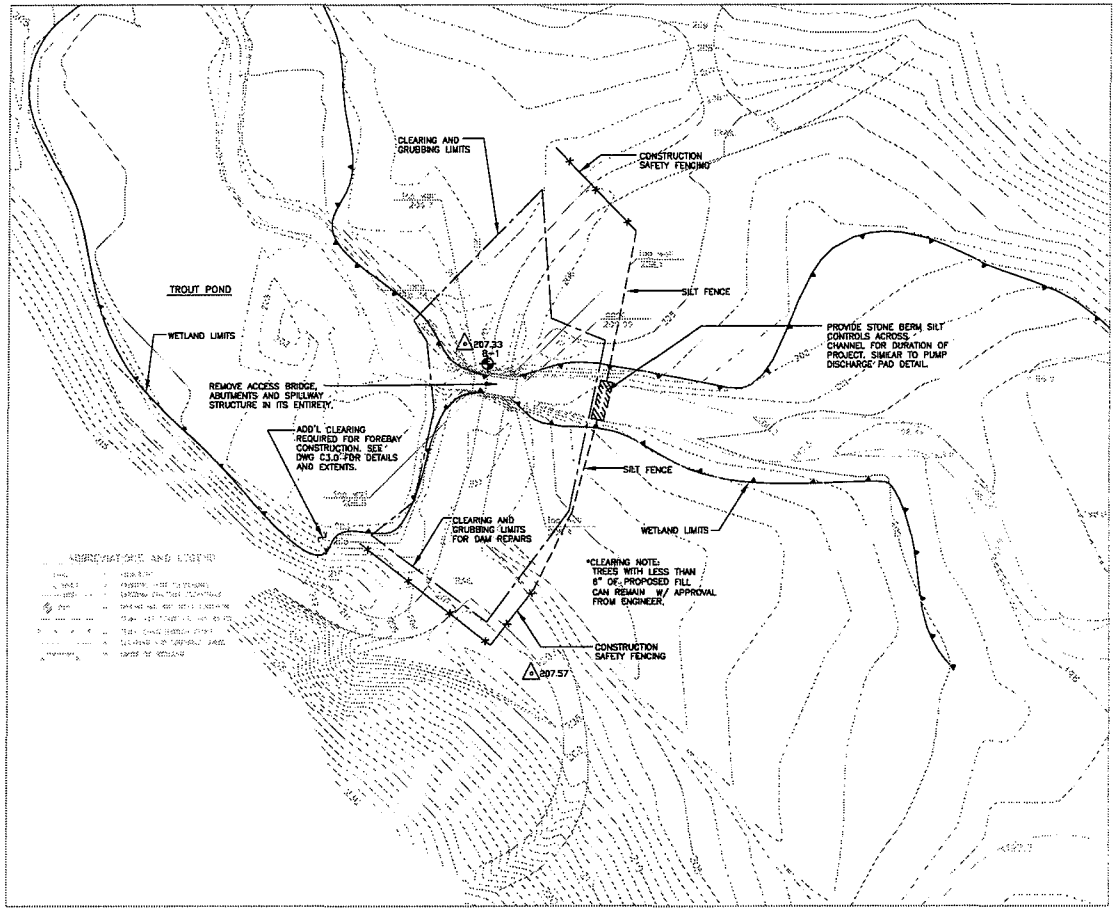
IMPROVEMENTS TO WALTON POND AND TROUT POND
WINDING TRAILS, INC.
50 WINDING TRAILS DRIVE
FARMINGTON, CT 06032

CIVIL SOLUTIONS, LLC
PROFESSIONAL ENGINEERS
74 Spring Lane
Farmington, CT 06032
(860) 674-8796

SCALE AS NOTED		DATE
DESIGNED	JR	5/1/09
DRAWN	JR	5/1/09
CHECKED	JR	5/1/09

DRAWING FILE
GRADING PLAN TROUT POND

PROJECT NO. 07-085
SHEET - OF -
DRAWING NO.
C3.0



TROUT POND DAM SITE PREP

N

SCALE: 1"=20'-0"

DRAWING NOTES

1) SEE DRAWING C1.1 FOR GENERAL NOTES AND SILTATION CONTROL DETAILS.
2) SEE DRAWING C3.3 FOR PROPOSED TROUT POND DAM WORK.
3) SEE DRAWING C3.4 FOR SPILLWAY AND WALL DETAILS.
4) SEE DRAWING C2.8 FOR BRIDGE AND MISC. CONCRETE DETAILS.

EROSION CONTROL NOTES

THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND/OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION AS MAY BE REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT.

IN GENERAL, ALL CONSTRUCTION ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSE, WATER BODY AND CONDUIT CARRYING WATER, ETC. THE CONTRACTOR SHALL LIMIT, AS POSSIBLE , THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS, AND IMMEDIATELY PROVIDE TEMPORARY AND PERMANENT POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES AND WATER BODIES, AND TO PREVENT, INSOFAR AS POSSIBLE, EROSION ON THE SITE.

CONSTRUCTION METHODS, IN GENERAL SHALL BE IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (2002) BY THE STATE OF CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION. THE EROSION CONTROL GUIDELINES ARE OBTAINABLE FROM THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION, STATE OFFICE BUILDING, HARTFORD, CONNECTICUT 06106, AND SHOULD BE USED AS A REFERENCE IN CONSTRUCTING THE EROSION AND SEDIMENT CONTROLS INDICATED ON THESE PLANS.

ALL EROSION AND SEDIMENT CONTROLS MUST BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.1 INCHES OR GREATER. ANY ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES DEEMED NECESSARY BY THE ENGINEER SHALL BE IMPLEMENTED BY THE CONTRACTOR. ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR, MAINTENANCE, AND REPLACEMENT OF ALL EROSION/SEDIMENT CONTROLS.

STAKED HAY BALES – HAY OR STRAW BALES EROSION CHECKS ARE TO BE INSTALLED AT THE BASE OF SLOPES INDICATED ON THE PLANS AS A MINIMUM. ADDITIONAL S D & EROSION CONTROL MAY BE REQUIRED DUE TO CONTRACTORS CONSTRUCTION MEANS & METHODS. HAY BALES SHALL ALSO BE PLACED AT CATCH BASINS WHERE SEDIMENT MAY ENTER THE BASIN OR AS DIRECTED BY THE ENGINEER. HAY BALE EROSION CHECKS SHALL BE PLACED IMMEDIATELY AFTER A CUT SLOPE HAS BEEN GRADED AND BEFORE A FILL SLOPE HAS BEEN CREATED. DEPOSITS OF SEDIMENT AND SILT ARE TO BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDES OF THE EROSION CHECKS WHEN THE ACCUMULATION REACHES A MAXIMUM OF 1/2 THE HEIGHT OF THE HAYBALES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THIS MATERIAL IS TO BE SPREAD AND STABILIZED IN AREAS NOT SUBJECT TO EROSION, OR IN AREAS WHICH ARE NOT TO BE PAVED OR BUILT ON. HAY OR STRAW BALES ARE TO BE REPLACED AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. EROSION CHECKS ARE TO REMAIN IN PLACE AND BE MAINTAINED TO INSURE EFFICIENT SILTATION CONTROL UNTIL ALL AREAS ABOVE THE EROSION CHECKS ARE STABILIZED AND VEGETATION IS ESTABLISHED.

FILTER FENCE – SYNTHETIC FILTER BARRIER FENCE MAY BE USED IN PLACE OF HAY BALES SPECIFIED AT ALL LOCATIONS AS INDICATED ON THE PLANS TO INTERCEPT SILT AND SEDIMENT BEFORE IT REACHES THE DRAINAGEWAYS OR WETLANDS. CATCH BASIN GRATES MAY BE WRAPPED IN FILTER FABRIC IN LIEU OF USING HAYBALES. IN SOME INSTANCES BOTH PROTECTIVE MEASURES MAY BE REQUIRED. DEPOSITS OF SEDIMENT AND SILT ARE TO BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDES OF THE FENCE WHEN THE ACCUMULATION REACHES A MAXIMUM OF 1/2 THE HEIGHT OF THE FILTER FENCE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THIS MATERIAL IS TO BE SPREAD AND STABILIZED IN AREAS NOT SUBJECT TO EROSION, OR IN AREAS WHICH ARE NOT TO BE PAVED OR BUILT ON. THE FENCE IS TO BE REPLACED AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. THE FENCE IS TO REMAIN IN PLACE AND BE MAINTAINED TO INSURE EFFICIENT SILTATION CONTROL UNTIL ALL AREAS ABOVE THE FENCE ARE STABILIZED AND VEGETATION IS ESTABLISHED.

ALL TOPSOIL STOCKPILES ARE TO BE MULCHED WITH EROSION CONTROLS INSTALLED AROUND THEM IMMEDIATELY AFTER THEY ARE CREATED.

IN ALL AREAS, REMOVAL OF VEGETATION, AND DISTURBANCE OF THE SOIL, IS TO BE KEPT TO A MINIMUM WHILE ALLOWING PROPER DEVELOPMENT OF THE SITE.

ADDITIONAL NOTES

EXISTING BRIDGE OVER THE DOWNSTREAM CHANNEL IS NOT RATED FOR HEAVY EQUIPMENT. CONTRACTOR SHALL CONSTRUCT TEMPORARY BERM FOR WATER CONTROL AND ACCESS AROUND DAM. SEE DWG 2.0 FOR ADDITIONAL INFORAMTION.

ALL STONES AND BOULDERS REMOVED AS PART OF DEMOLITION ARE TO BE STOCKPILED AS DIRECTED BY OWNER AND SHALL REMAIN PROPERTY OF OWNER. CONCRETE REMOVED DURING DEMOLITION SHALL BE REMOVED FROM SITE.

SYMBOL	DATE	DESCRIPTION

IMPROVEMENTS TO WALTON POND AND TROUT POND
WINDING TRAILS, INC.
50 WINDING TRAILS DRIVE
FARMINGTON, CT 06032

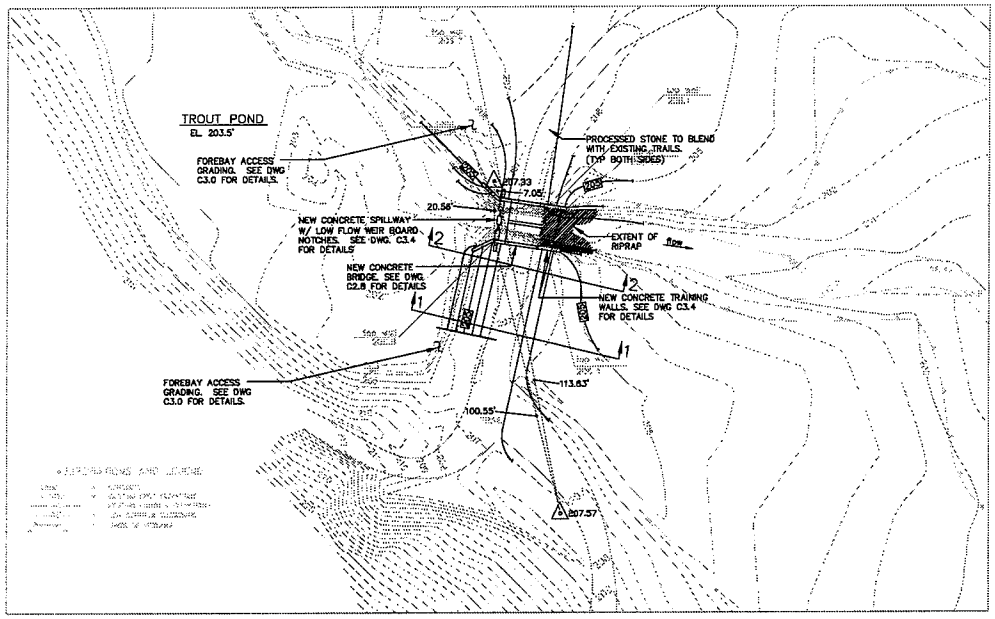
Macchi Engineers, LLC
45 Main Street
Farmington, CT 06032
Phone: (860) 676-8307
Fax: (860) 676-8314
http://www.macchi.com

CIVIL SITE DESIGN GROUP, P.C.
475 New Britain Avenue
Unionville, CT 06085
(860) 689-3123
www.civilsitedesigngroup.com

APPROVAL/STAMP

SCALE: AS NOTED	DATE:
DESIGNED: JTG	03/31/10
DRAWN: JTG	03/31/10
CHECKED: RM	03/31/10

DRAWING FILE: TROUT POND DAM SITE PREP
PROJECT NO. 09-033
SHEET - OF -
DRAWING NO. C3.2



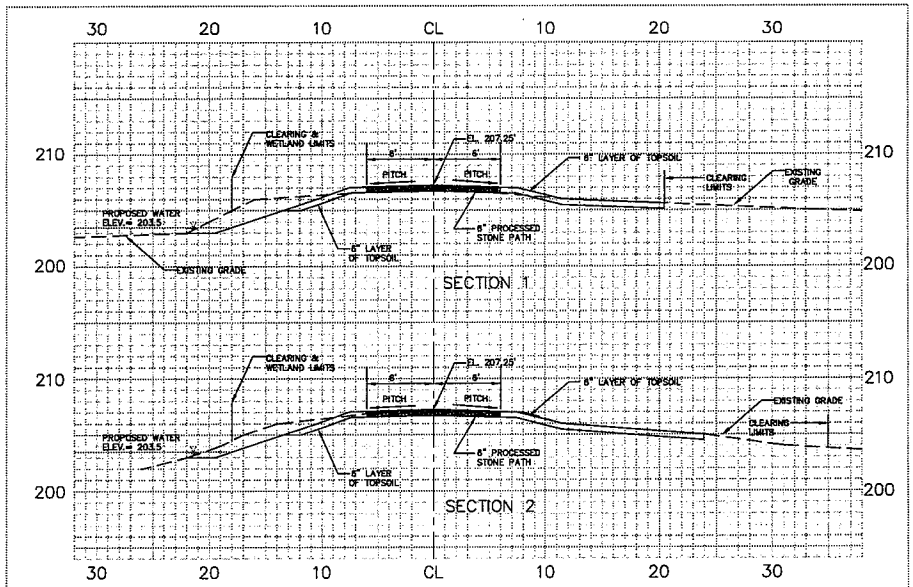
TROUT POND DAM PROPOSED SITE PLAN

SCALE: 1"=20'-0"

N

DRAWING NOTES

1) SEE DRAWING C1.1 FOR GENERAL NOTES AND SILTATION CONTROL DETAILS.
2) SEE DRAWING C3.2 FOR SITE PREPARTAION PLAN.
3) SEE DRAWING C3.4 FOR SPILLWAY AND WALL DETAILS.
4) SEE DRAWING C2.8 FOR BRIDGE AND MISC. CONCRETE DETAILS.



CROSS SECTIONS

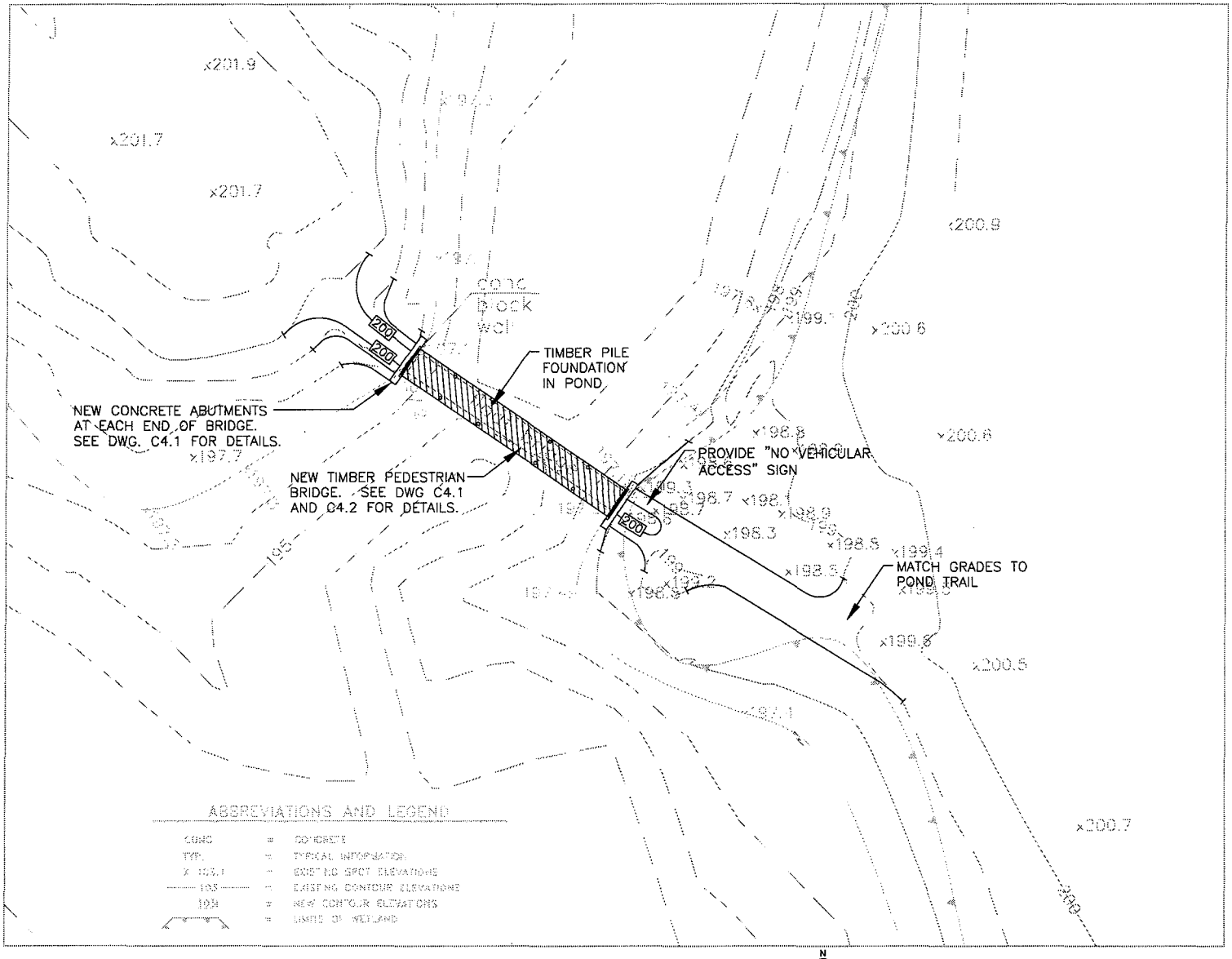
SCALE 1"=5'-0"

IMPROVEMENTS TO WALTON POND AND TROUT POND
WINDING TRAILS, INC.
50 WINDING TRAILS DRIVE
FARMINGTON, CT 06032

Macchi Engineers, LLC

TROUT POND DAM PROPOSED SITE PLAN

C3.3



PEDESTRIAN BRIDGE PROPOSED PLAN

SCALE: 1"=10'-0"

N

IMPROVEMENTS TO WALTON POND AND TROUT POND
WINDING TRAILS, INC.
50 WINDING TRAILS DRIVE
FARMINGTON, CT 06032

Macchi Engineers, LLC

PED. BRIDGE PROPOSED PLAN

C4.1

GENERAL NOTES

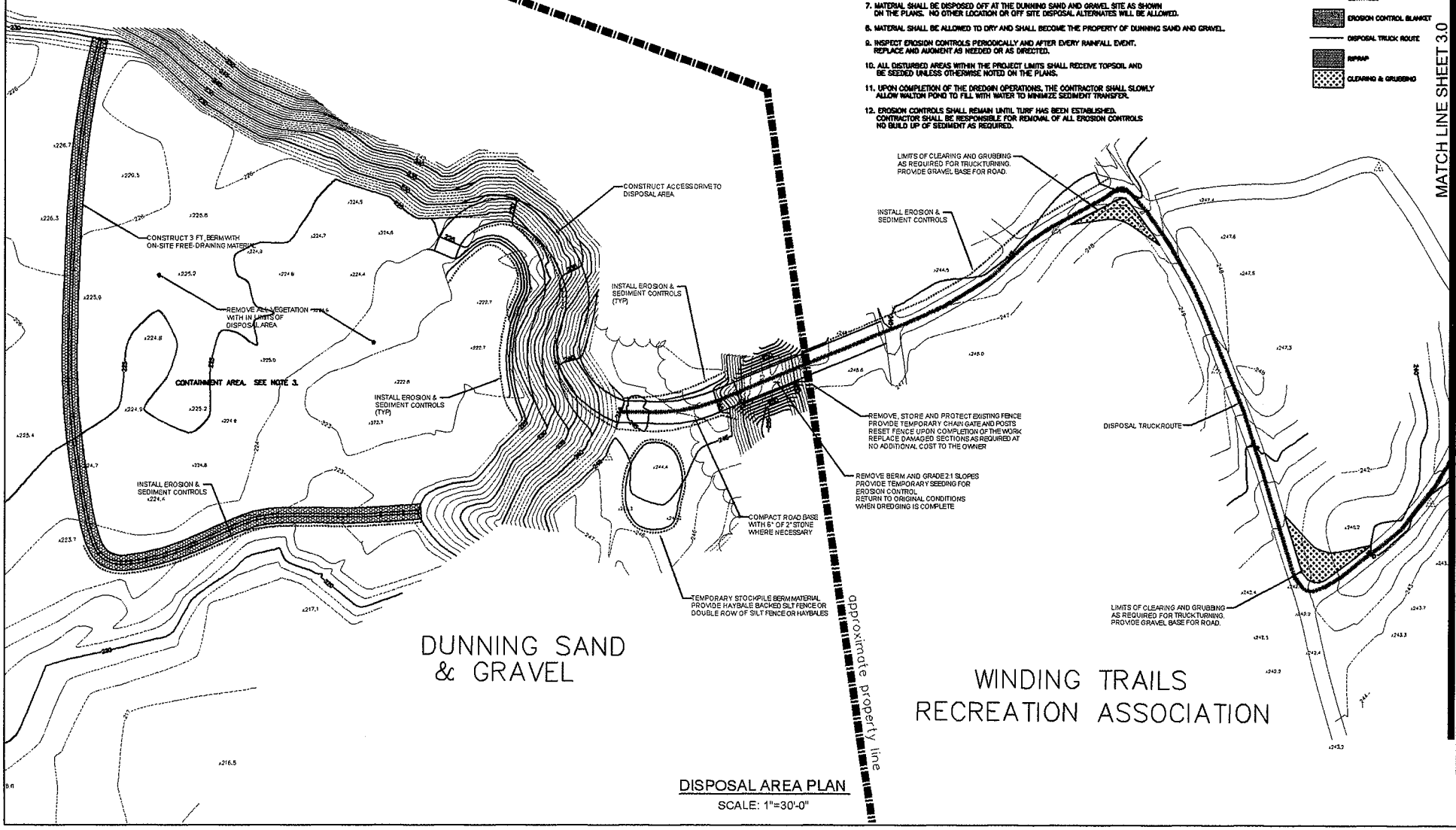
1. CONTRACTOR SHALL EXAMINE TEMPORARY EROSION CONTROLS FOR EXCESSIVE SEDIMENT BUILD UP EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.1 INCHES OR GREATER AND CLEAN/REPAIR AS REQUIRED. DEPOSITS OF SEDIMENT AND SILT ARE TO BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDES OF THE EROSION CONTROLS WHEN THE ACCUMULATION REACHES A MAXIMUM OF 1/2 THE HEIGHT OF THE HAYBALES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL BE REQUIRED KEEP STORM WATER POLLUTION CONTROL PLAN AND MAINTAINED SIGNED CONTRACTOR CERTIFICATIONS ON THE JOB SITE AT ALL TIMES.
3. THE CONTRACTOR SHALL CONTINUE TO MAINTAIN THE STONE BERM AROUND CONTAINMENT AREA UNTIL SPOILS HAVE FULLY DRIED AND NO SEDIMENT TRANSFER IS OCCURING.
4. CONTRACTOR SHALL REPLACE BERM AND FENCE AS PER ORIGINAL CONDITIONS
5. SPOILS SHALL BECOME THE PROPERTY OF DUNNING SAND AND GRAVEL. THE SPOILS ARE NOT CONSIDERED CONTAMINATED OR HAZARDOUS.
6. REFER TO DRAWING C2.4 FOR ADDITIONAL SEDIMENT CONTROL INFORMATION.

DISPOSAL PLAN NOTES

1. DELINEATE ALL AREAS OF CONSTRUCTION ON THE GROUND WITH STAKES. DELINEATE ALL AREAS OF CLEARING AND FLAG ANY TREES TO REMAIN. COORDINATE WITH LANDSCAPE ARCHITECT.
2. INSTALL ALL TEMPORARY EROSION CONTROL MEASURES PRIOR TO ANY CLEARING AND GRUBBING ACTIVITIES. THIS INCLUDES ANTI-TRACKING PADS, SILT FENCE, DITCH HAYBALES AND ANY OTHER EROSION CONTROL MEASURES REQUIRED BY THE ENGINEER.
3. COMPLETE CLEARING AS REQUIRED. LARGE TREE SECTIONS AND STUMPS TO BE REMOVED FROM THE SITE. SMALL LIMBS AND BRUSH MAY BE CHIPPED AND STOCKPILED ON SITE FOR USE AS MULCH.
4. STRIP TOPSOIL WITHIN LIMITS OF CONSTRUCTION. STOCKPILE, SEED AND MULCH AND INSTALL EROSION CONTROL MEASURES AROUND STOCKPILE AS REQUIRED TO PREVENT EROSION.
5. PERFORM DREDGING PER CONTRACTOR'S SEQUENCE OF CONSTRUCTION. ALL SPOILS SHALL BE HAULED ALONG TEMPORARY HAUL ROAD SHOWN ON THESE PLANS. THE CONTRACTOR WILL NOT BE ALLOWED TO USE ANY OTHER ROUTE OTHER THAN THAT SHOWN.
6. ALL TRUCKS SHALL INCLUDE A WATERPROOF LINER OR SEAL AT FLAP GATE TO PREVENT MATERIAL FROM FLOWING OUT OF THE TRUCKS DURING TRANSIT.
7. MATERIAL SHALL BE DISPOSED OFF AT THE DUNNING SAND AND GRAVEL SITE AS SHOWN ON THE PLANS. NO OTHER LOCATION OR OFF SITE DISPOSAL ALTERNATES WILL BE ALLOWED.
8. MATERIAL SHALL BE ALLOWED TO DRY AND SHALL BECOME THE PROPERTY OF DUNNING SAND AND GRAVEL.
9. INSPECT EROSION CONTROLS PERIODICALLY AND AFTER EVERY RAINFALL EVENT. REPLACE AND AUGMENT AS NEEDED OR AS DIRECTED.
10. ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS SHALL RECEIVE TOPSOIL AND BE SEEDED UNLESS OTHERWISE NOTED ON THE PLANS.
11. UPON COMPLETION OF THE DREDGIN OPERATIONS, THE CONTRACTOR SHALL SLOWLY ALLOW WALTON POND TO FILL WITH WATER TO MINIMIZE SEDIMENT TRANSFER.
12. EROSION CONTROLS SHALL REMAIN UNTIL TURF HAS BEEN ESTABLISHED. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL EROSION CONTROLS NO BUILD UP OF SEDIMENT AS REQUIRED.

LEGEND

- WETLANDS
- BORING
- NO CONSTRUCTION AREA EMERGENT ZONES
- FISH HABITAT
- AT GRADE GRAVEL PATH
- ELEVATED BOARDWALK
- EROSION & SEDIMENT CONTROLS
- EROSION CONTROL BLANKET
- DISPOSAL TRUCK ROUTE
- RIPRAP
- CLEARING & GRUBBING



DISPOSAL AREA PLAN

SCALE: 1"=30'-0"

IMPROVEMENTS TO WALTON POND AND TROUT POND
WINDING TRAILS, INC.
50 WINDING TRAILS DRIVE
FARMINGTON, CT 06032

DISPOSAL PLAN

C5.0