



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

PUBLIC NOTICE

Comment Period Begins: December 13, 2016
Comment Period Ends: January 13, 2017
File Number: NAE-2016-01686
In Reply Refer To: Cori M. Rose
Phone: (978) 318-8306
E-mail: cori.m.rose@usace.army.mil

The District Engineer has received a permit application to conduct work in waters of the United States from **Town of Greenwich, Connecticut Dept. of Public Works c/o James Michel, 101 Field Point Road, Greenwich, Connecticut 06830**. This work is proposed in Binney Park Pond/Cider Mill Brook at the intersection of South Beach Avenue and Laddins Rock Road, Greenwich, Connecticut. The site coordinates are: Latitude 71.037564 N and -73.569956 W.

The work involves the placement of fill and grading below ordinary high water (OHW) for construction of two sediment forebays totalling 16,000 square feet and deepening of the recreational pond to design grades. The proposed improvement will result in the fill/alteration of 1,315 square feet (0.03) of palustrine emergent fringe wetland and indirect impact over 139,392 square feet (3.2 acres) below OHW associated with the excavation of 9,500 cubic yards of sediment and grading. The excavated material will be dewatered within the pond or on adjacent upland areas within the park and reused in upland areas on site or disposed of elsewhere in an approved upland location. Although deepening is expected to be completed with mechanical methods (backhoe), it may occur either hydraulically or mechanically, as determined by the contractor. If a temporary construction bypass is required it will be designed to exceed a flow of 2 cubic feet per second daily flow. The project will also include maintenance of an existing flow control weir (normal surface elevation of 1.5 feet), construction of an identical flow control weir between the two pond catchments, rock toe stabilization and upper bank revegetation along 650 linear feet of shoreline and fiber roll toe stabilization over 100 linear feet of shoreline.

The purpose of the proposed work is removal of accumulated sediment to arrest shoreline erosion and restore water quality and functional recreational use of the pond.

The work is shown on the attached plans entitled "TOWN OF GREENWICH, CONNECTICUT, BINNERY PARK POND, MAINTENANCE DREDGING AND BANK RESTORATION," on 14 sheets and dated "June 2016," revised through "October 26, 2016."

Alternatives considered to the current design for deepening included modification to only the upper pond, construction of two separate sediment forebays and permanent stone mattress installation for maintenance access. Impacts have been minimized by eliminating fill over a 16,500 sf area for permanent maintenance equipment access and 100 linear feet reduction in amount of rock toe stabilization proposed. Compensation is proposed on-site and includes reestablishment of a 1,680 square foot planted littoral shelf consisting of native wetland vegetation; bank and shoreline enhancement using planted native trees and shrubs and replacement of turf grass areas disturbed by the construction with a wildlife conservation grass mix.

AUTHORITY

Permits are required pursuant to:

- Section 10 of the Rivers and Harbors Act of 1899
- 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.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972, as amended.

NATIONAL HISTORIC PRESERVATION ACT

Based on his initial review, the District Engineer has determined that little likelihood exists for the proposed work to impinge upon properties with cultural or Native American significance, or listed in, or eligible for listing in, the National Register of Historic Places. Therefore, no further consideration of the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended, is necessary. This determination is based upon one or more of the following:

- a. The permit area has been extensively modified by previous work.
- b. The permit area has been recently created.
- c. The proposed activity is of limited nature and scope.
- d. Review of the latest published version of the National Register shows that no presence of registered properties listed as being eligible for inclusion therein are in the permit area or general vicinity.
- e. Coordination with the State Historic Preservation Officer and/or Tribal Historic Preservation Officer(s)

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 will have no effect on 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:

- Permit, License or Assent from State.
- Permit from Local Wetland Agency or Conservation Commission.
- 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 Ms. Cori M. Rose at (978) 318-8306.

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.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.



Robert J. DeSista
Chief, Permits and Enforcement Branch
Regulatory Division

CENAE-R
FILE NO. NAE-2016-01686

If you would prefer not to continue receiving Public Notices by email, 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: _____

PHONE: _____

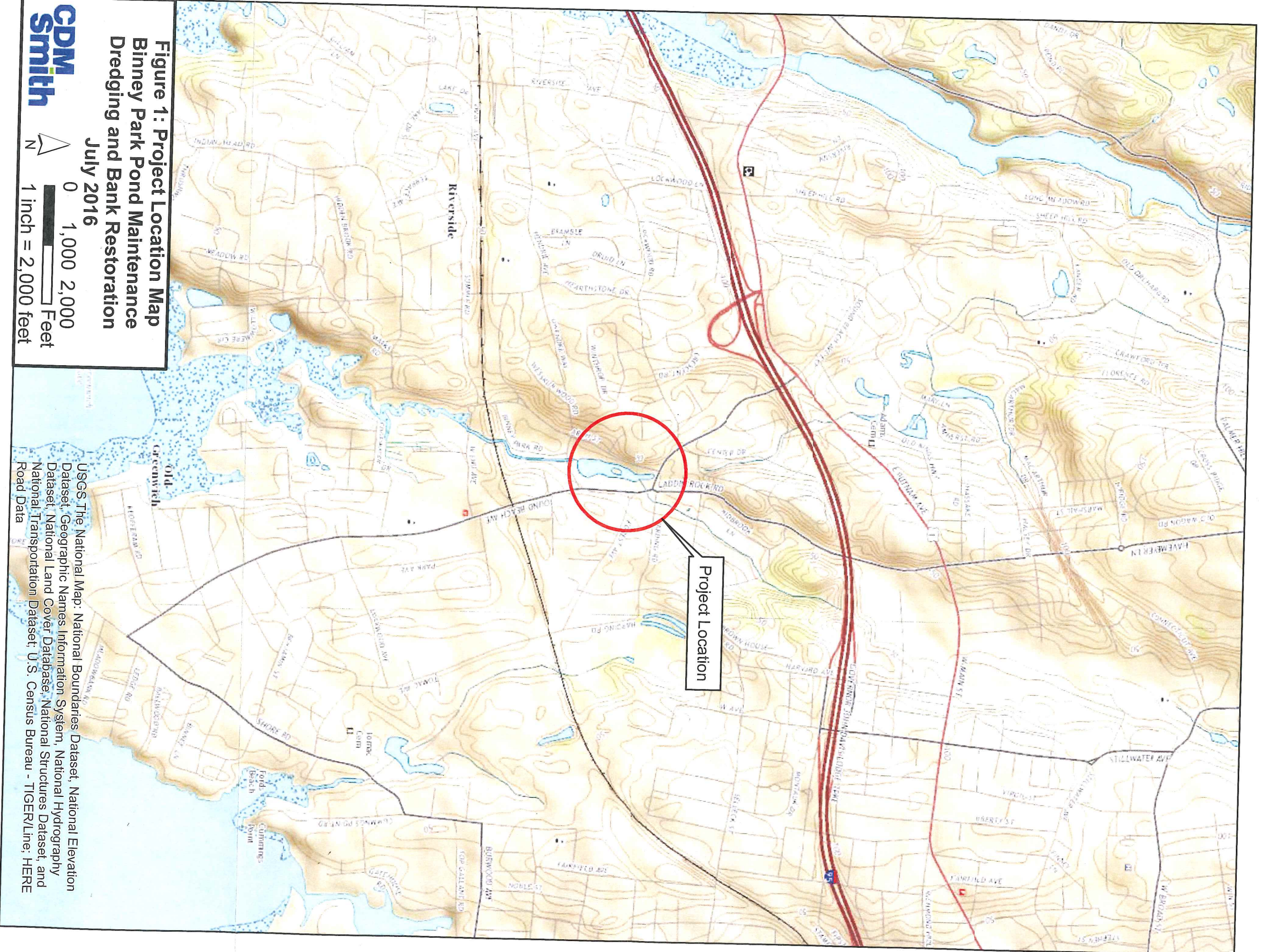


Figure 1: Project Location Map
Binney Park Pond Maintenance
Dredging and Bank Restoration

July 2016

0 1,000 2,000 Feet
 1 inch = 2,000 feet



USGS, The National Map; National Boundaries Dataset, National Elevation Dataset, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; U.S. Census Bureau - TIGER/Line; HERE Road Data

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REV. NO.	DATE	DRWN	CHKD	REMARKS

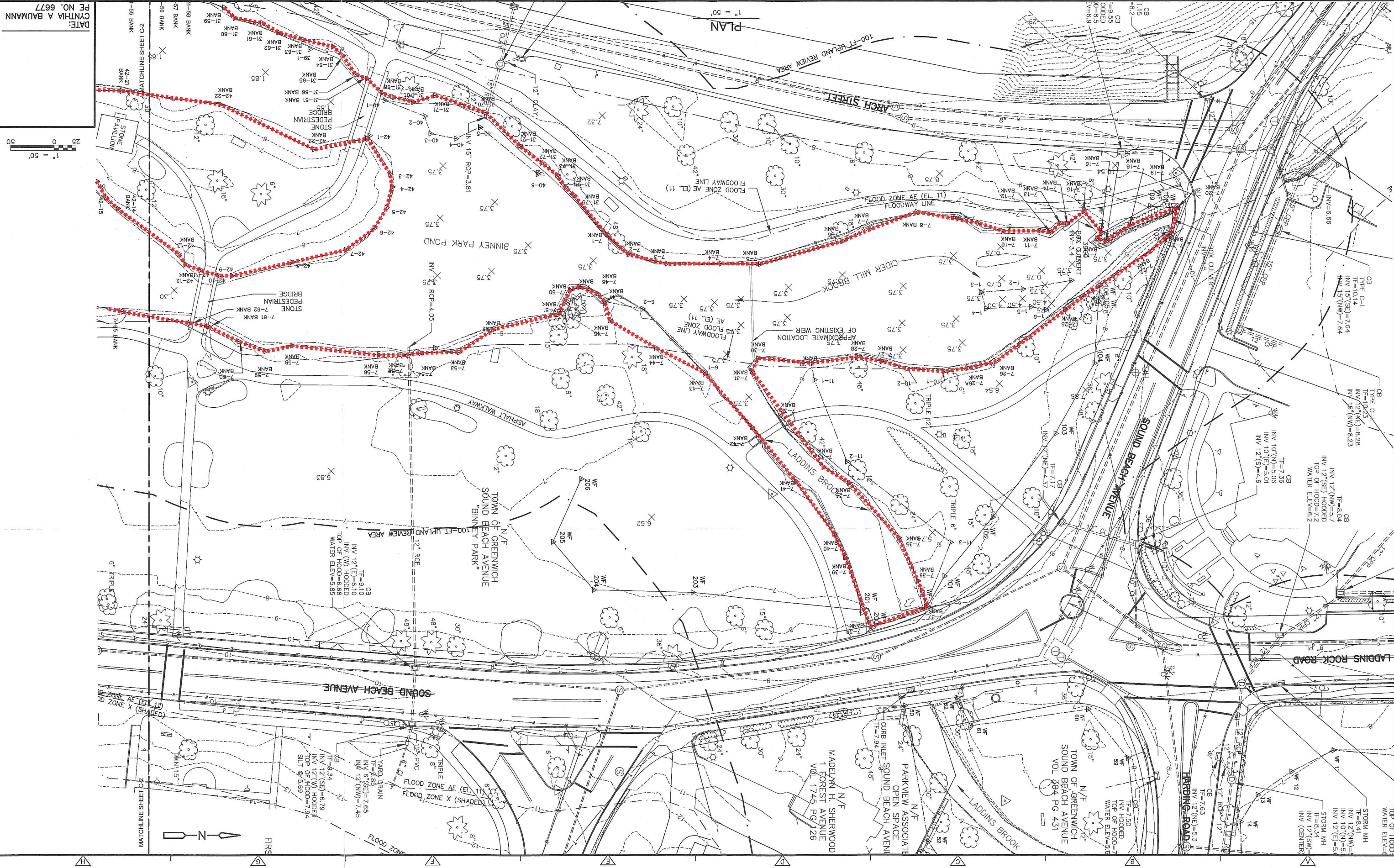
DESIGNED BY: R. HAYES
 DRAWN BY: J. CORONA
 SHEET CHK'D BY: X
 CROSS CHK'D BY: X
 APPROVED BY: X
 DATE: JUNE 2016

CDM Smith
 111 FOUNDERS PLAZA, SUITE 1600
 EAST HARTFORD, CT 06108
 TEL: (860) 529-7615

**TOWN OF GREENWICH, CONNECTICUT
 BINNEY PARK POND MAINTENANCE DREDGING
 AND BANK RESTORATION**

**FIGURE 6A: USACE JURISDICTIONAL AREAS
 UPPER BINNEY PARK POND**

PROJECT NO. 20449-99774
 FILE NAME: C001EXPL
 SHEET NO.



DATE: CYNTHIA A BAUMANN
 PE NO. 6677

PERMITTING SUBMITTAL - NOT FOR CONSTRUCTION

TOWN OF GREENWICH, CONNECTICUT

BINNEY PARK POND

MAINTENANCE DREDGING AND BANK RESTORATION

DEPARTMENT OF PUBLIC WORKS

AMY J. SIEBERT, P.E.
 COMMISSIONER OF PUBLIC WORKS
 101 FIELD POINT ROAD
 GREENWICH, CT

JAMES W. MICHEL, P.E.
 DEPUTY COMMISSIONER OF PUBLIC WORKS
 PHONE: 203-622-7767
 FAX: 203-622-7747

ENGINEERING DIVISION

GABRIELLA M. CIRCOSTA-COHEE, P.E.
 PROJECT ENGINEER
 PHONE: 203-622-7767
 FAX: 203-622-7747

TOWN PROJECT NO. 13-15



LOCUS LOCATION
NOT TO SCALE

SOURCE: ESRI

LIST OF DRAWINGS

SHEET	TITLE
G-1	LEGEND AND NOTES
C-1	EXISTING CONDITIONS - UPPER BPP
C-2	EXISTING CONDITIONS LOWER BPP
C-3	SITE PREPARATION AND EROSION AND SEDIMENT CONTROL PLAN - UPPER BPP
C-4	SITE PREPARATION AND EROSION AND SEDIMENT CONTROL PLAN - LOWER BPP
C-5	SITE PLAN - UPPER BPP
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C-7	PROFILES
C-8	DETAILS I
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JUNE 2016
REVISED OCTOBER 2016
"CALL BEFORE YOU DIG"
1-800-922-4455

PERMITTING SUBMITTAL - NOT FOR CONSTRUCTION

CDM Smith

EAST HARTFORD, CONNECTICUT

Water

Environment

Transportation

Energy

Facilities

LEGEND

EXISTING

- PROPERTY LINE
- FRONT OF YARD
- EASEMENT LINE
- STONE WALL
- STRUCTURE
- EDGE OF PAVEMENT
- TEST BORING
- CATD BASH
- STONE MANHOLE
- SANITARY MANHOLE
- WATER
- GAS
- ELECTRIC
- TELEPHONE
- FENCE OPTIC LINE
- FENCEWOOD PILES
- CONTOURS
- SPOT ELEVATION
- CONIFEROUS TREE
- DECIDUOUS TREE
- BUSH
- SHAW LIME FENCE
- WOOD FENCE
- GUARDRAIL
- LIGHT POLE
- UTILITY POLE
- WINDMILL
- WATER VALVE
- GAS VALVE
- MOUNTAIN FENCE
- IRON PIPE OR PIV POINT
- BRICK HOLE FOUND
- FLOOR FLOOR BOUNDARY

PROPOSED

- LIMIT OF REDDING
- PROPOSED CONTOUR
- LIMIT OF STOCKPILE AREA
- SALT FENCE
- CONSTRUCTION FENCE
- TURBIDITY CURTAIN
- UPLAND EROSION AREA
- CONSTRUCTION ENTRANCE
- DECIDUOUS FOREST
- DEWATERING/WETLAND AREA
- CONCRETE MATTERIES

GENERAL NOTES

1. SURVEY COMPILED BY PEREIRA ENGINEERING, LLC, ONE ENTERPRISE DRIVE, SUITE 312, SHELTON, CT 06585, PH: (203)944-9944, DATED JULY 2015.
2. THIS SURVEY AND MAP HAVE BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTION 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.
3. THIS SURVEY CONFORMS TO HORIZONTAL ACCURACY CLASS A-2 WITH RESPECT TO THE IMPROVEMENTS, HORIZONTAL ACCURACY CLASS D WITH RESPECT TO THE STREET LINES AND PROPERTY LINES, VERTICAL ACCURACY CLASS V-3, AND TOPOGRAPHIC ACCURACY CLASS T-2.
4. THE ELEVATIONS DEPICTED HEREON ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM (NAVD) 1988.
5. NORTH AS DEPICTED HEREON IS BASED UPON THE NORTH AMERICAN DATUM (NAD) 1983.
6. UTILITY INFORMATION DEPICTED HEREON IS APPROXIMATE AND IS BASED ON VISIBLE EVIDENCE OF SURFACE AND OVERHEAD STRUCTURE LOCATIONS AND AS COMPILED FROM EXISTING RECORD MAPPING AVAILABLE DURING THE PREPARATION OF THE SURVEY. ALL CONTRACTORS SHOULD CONTACT "CALL BEFORE YOU DIG" AT 1(800)922-4435 FOR VERIFICATION OF UTILITY INFORMATION PRIOR TO START OF ANY WORK.
7. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT AND DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS TO THE ENGINEER OR OWNER'S REPRESENTATIVE PRIOR TO STARTING WORK.

CONSTRUCTION NOTES

1. NO MECHANICAL REDDING OR CONSTRUCTION ACTIVITIES WITHIN THE TOP OF BANK SHALL OCCUR BETWEEN MARCH 1ST AND JULY 1ST.
2. APPROXIMATELY 10,000 CUBIC YARDS (N-SITU) OF DREDGED MATERIAL SHALL BE REMOVED AND DISPOSED AT AN APPROVED LOCATION.
3. INSTALL SITE SECURITY FENCING TO BLOCK PUBLIC ACCESS FROM CONSTRUCTION AREA.
4. THE PROPOSED POND SIDE SLOPE GRADES SHALL BE AT 4:1 UNLESS OTHERWISE SHOWN.
5. TO ESTABLISH PROPER GRADES, CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF GRADE STAKES. THE NUMBER AND LOCATION SHALL BE DETERMINED IN THE FIELD AND APPROVED BY THE ENGINEER. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR A FINAL FIELD CHECK OF FINISHED GRADES ACCEPTABLE TO THE OWNER AND THE ENGINEER PRIOR TO LOADING AND SEEDING ACTIVITIES.
6. MATERIAL REMOVED FROM BINNEY PARK POND SHALL ONLY BE STOCKPILED IN AREAS AS SPECIFIED AND APPROVED BY ENGINEER.
7. TYPICAL WATER SURFACE ELEVATION IS 4.02. ALL DISTURBED AREAS BETWEEN ELEVATION 4.09 AND THE TOP OF BANK SHALL RECEIVE 6-IN LAYER LOAM AND WETLAND AREA SEED MIX IN LOCATION SHOWN ON SITE PLAN AND AS SPECIFIED.
8. TYPICAL BASEFLOW IS ESTIMATED TO BE BETWEEN 1 AND 10 CFS (7.5 AND 74.8 GPM).
9. SUBMIT A STAGED DEMATERING PLAN THAT MAINTAINS BOTH DOWNSTREAM FLOW AND AQUATIC HABITAT WHILE WORK. DEMATERING PLAN SHALL BE SUBMITTED TO ENGINEER PRIOR TO ANY DEMATERING ACTIVITIES.
10. ALL DISTURBED AREAS ABOVE THE TOP OF BANK AND AREAS SHOWN ON SITE PLAN SHALL RECEIVE 6-IN LAYER LOAM AND SEED AS SPECIFIED.
11. ALL AREAS DISTURBED OUTSIDE THE PROJECT LIMITS AS SPECIFIED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE IN A MANNER APPROVED BY THE ENGINEER.
12. CONTRACTOR SHALL COORDINATE WORK AND SITE ACCESS TIMES TO MINIMIZE CONFLICTS WITH NORMAL SITE ACTIVITIES. SEE SPECIFICATION SECTION 01046.
13. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY OBSTRUCTIONS ENCOUNTERED DURING EXCAVATION BEFORE CONTINUING WITH CONSTRUCTION ACTIVITIES.
14. WHERE PROPOSED GRADES MEET EXISTING GRADES, CONTRACTOR SHALL BLEND GRADES TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING GRADES AND NEW WORK. PREVENT LOW AREAS OR POTENTIAL FOR PONDING AT SUCH TRANSITION AREAS.
15. ALL DISTURBED AREAS WITH A 3H:1V SLOPE AND STEEPER SHALL RECEIVE EROSION CONTROL BLANKET AS SPECIFIED.

EROSION AND SEDIMENT CONTROL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST VERSION OF THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
2. PRIOR TO THE START OF ANY SITE CLEARING OR GRADING, LOADING AND SEEDING AND SEDIMENTATION AND EROSION CONTROL, SCHEDULES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
3. THE LOCATION OF STOCKPILED MATERIALS SHALL BE IN AREAS APPROVED BY THE ENGINEER. VERIFICATION OF THE PROPER LOCATION AND INSTALLATION OF THE SILTATION CONTROL DEVICES MUST BE MADE TO THE ENGINEER PRIOR TO COMMENCEMENT OF ANY SITE WORK.
4. PRIOR TO ANY LAND DISTURBANCE ACTIVITIES COMMENCING ON SITE, THE CONTRACTOR SHALL PHYSICALLY MARK LIMITS OF NO LAND DISTURBANCE ON SITE WITH TAPE, SIGN, OR FENCE SO THAT WORKERS CAN SEE THE AREAS TO BE PROTECTED. THE PHYSICAL MARKERS SHALL REMAIN IN PLACE UNTIL SUBSTANTIAL COMPLETION OF PROJECT AS APPROVED BY OWNER.
5. SITE DEMATERING DETAILS, INCLUDING SIZING OF PUMPS, CONTAINMENT AREAS AND TREATMENT METHODS FOR ALL DEMATERING OPERATIONS, SHALL BE SUBMITTED BY THE CONTRACTOR WHERE REQUIRED, IN A MANNER APPROVED BY THE ENGINEER AND OWNER.
6. PRIOR TO ANY ACTIVITY ON THE SITE, THE CONTRACTOR SHALL APPOINT A QUALIFIED INDIVIDUAL WHO SHALL BE RESPONSIBLE FOR MONITORING ALL ACTIVITIES TO ENSURE ENVIRONMENTAL COMPLIANCE. THIS INDIVIDUAL SHALL INSPECT AND DIRECT THE MAINTENANCE OF ALL EROSION AND SEDIMENTATION CONTROL MEASURES ON SITE AND SHALL SUBMIT PROGRESS/MONITORING REPORTS AS REQUESTED TO THE ENGINEER AND OWNER.
7. APPROPRIATE EROSION CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE BEGINNING OF EACH PHASE OF CONSTRUCTION, AND SHALL BE MAINTAINED DURING THE CONSTRUCTION. THE EROSION CONTROL DETAILS AND SPECIFICATIONS SHALL BE CONSIDERED THE MINIMUM STANDARDS REQUIRED FOR THIS PROJECT. ADDITIONAL OR MODIFIED EROSION CONTROL MEASURES MAY BE REQUIRED AT ANY TIME DURING CONSTRUCTION. THESE SHALL BE MAINTAINED UNTIL THEY ARE NOT LONGER NEEDED, AT WHICH TIME THEY SHALL BE REMOVED.
8. UTILIZE BEST MANAGEMENT PRACTICES AND COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS AS RELATED TO SEDIMENT AND EROSION CONTROL.
9. EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED BEFORE AND AFTER EACH PREDICTED STORM EVENT AND REPAIRED OR REPLACED AS NECESSARY. ANY ACCUMULATED SILT ADJACENT TO THE BARRIERS SHALL BE REMOVED.
10. THE OWNER RESERVES THE RIGHT TO IMPOSE ADDITIONAL CONDITIONS ON PORTIONS OF THIS PROJECT TO MITIGATE ANY IMPACTS WHICH COULD RESULT FROM SITE EROSION, OR ANY NOTICEABLE DEGRADATION OF SURFACE WATER QUALITY DISCHARGING FROM THE SITE.
11. PROTECT AND MANAGE ON AND OFF-SITE MATERIAL STORAGE AREAS, PROPERLY MANAGE ON-SITE CONSTRUCTION WASTE MATERIALS AND FUELING OF CONSTRUCTION EQUIPMENT.
12. ALL SLOPES GREATER THAN 3:1 AS WELL AS PERIMETER DIKES, SEDIMENT BASINS OR TRAPS, AND EMBANKMENTS MUST, UPON COMPLETION, BE IMMEDIATELY STABILIZED WITH SOD OR SEED AND ANCHORED STRAW MULCH, OR OTHER APPROVED STABILIZATION MEASURES. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AFTER FINAL SITE STABILIZATION. DISTURBED SOIL AREAS RESULTING FROM THE REMOVAL OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED WITHIN 20 DAYS OF REMOVAL.
13. ALL PREVIOUSLY DISTURBED LAND SHALL BE STABILIZED BY APPROVED METHODS WITHIN 14 DAYS. THIS INCLUDES STOCKPILES, CONSTRUCTION ENTRANCES, GRADED AREAS, AND OTHER CONSTRUCTION ACTIVITIES.
14. ALL TREES GREATER THAN 4 INCHES IN DIAMETER SHALL BE PROTECTED AS SPECIFIED. TREES SHALL NOT BE REMOVED EXCEPT BY EXPRESS PERMISSION FROM THE ENGINEER OR OWNER.
15. AN ADEQUATE STOCKPILE OF EROSION CONTROL MATERIALS SHALL BE ON SITE AT ALL TIMES IN AN EASILY ACCESSIBLE LOCATION FOR EMERGENCY OR ROUTINE REPLACEMENT AND SHALL INCLUDE MATERIALS TO REPAIR OR REPLACE STRAW WATTLE, STRAW BALES, EROSION CONTROL BLANKETS, STONE RIPRAP, FILTER BERMS OR ANY OTHER DEVICES PLANNED FOR USE DURING CONSTRUCTION.
16. THE AREA OF CONSTRUCTION SHALL REMAIN IN A STABLE CONDITION AT THE CLOSE OF EACH CONSTRUCTION DAY. EROSION CONTROLS WILL BE INSPECTED AT THIS TIME, AND REPAIRED, REINFORCED OR REPLACED AS NECESSARY.
17. IF SOILS ARE TO BE DISTURBED FOR LONGER THAN THIRTY DAYS, A TEMPORARY COVER OF RYE OR OTHER GRASS SHOULD BE ESTABLISHED TO PREVENT EROSION AND SEDIMENTATION. IF THE SEASON IS NOT APPROPRIATE FOR PLANT GROWTH, GRADING SHALL BE ACCOMPLISHED AS DIRECTED BY THE ENGINEER.
18. ALL EXPOSED SOIL FINISH GRADE SURFACES SHALL BE RIPRAPPED, LOAMED, SEEDED, MULCHED OR OTHERWISE PROTECTED AND STABILIZED WITH A LAYER OF STRAW MULCH HAY WITHIN 14 DAYS. WHERE NECESSARY, THE LOAM AND SEED SHALL BE HELD IN PLACE WITH JUTE NETTING OR OTHER EROSION CONTROL MATTING AS APPROVED BY THE ENGINEER. OUTSIDE OF THE GROWING SEASON, EXPOSED SOIL FINISH GRADE SURFACES SHALL BE STABILIZED WITH A LAYER OF STRAW HAY UNTIL CLIMATE CONDITIONS ALLOW FOR SEEDING. DURING CONSTRUCTION, ANY AREA OF EXPOSED SOILS THAT WILL BE LEFT IDLE FOR MORE THAN THIRTY DAYS SHALL BE STABILIZED WITH A LAYER OF MULCH HAY OR OTHER MEANS APPROVED BY OWNER.
19. NO DISTURBED AREAS OF STOCKPILED MATERIAL SHALL BE LEFT UNPROTECTED OR WITHOUT EROSION CONTROLS DURING ANY POINT IN THE CONSTRUCTION.
20. PERMANENT SEEDING SHALL BE UNDERTAKEN IN THE SPRING, EARLY SUMMER, OR EARLY FALL. WHEN SEEDING IS FOUND TO BE IMPRACTICAL, APPROPRIATE TEMPORARY STABILIZATION SHALL BE APPLIED. PERMANENT SEEDING MAY TAKE PLACE DURING THE SUMMER, ONLY IF PLANS PROVIDE FOR ADEQUATE MULCHING AND WATERING.
21. SUBSEQUENT TO SEEDING, DISTURBED AREAS WILL BE COVERED WITH STRAW MULCH, EROSION CONTROL BLANKET OR NETTING, OR OTHER SUITABLE MATERIAL IN ORDER TO PROVIDE AN ADEQUATE SURFACE PROTECTION UNTIL SEED GERMINATION. PREFERENCE SHOULD BE GIVEN TO EROSION CONTROL NETTING WITH BIODEGRADABLE NETTING.
22. CONTRACTOR SHALL BYPASS FLOWS FROM 7'x1.5' BOX CULVERT, 21"x3' BOX CULVERT INFLUENT TO THE POND, DURING PERIODS OF HIGH FLOW CONTRACTOR SHALL STOP WORK. WHEN HIGH FLOWS ARE ANTICIPATED CONTRACTOR SHALL MAKE EFFORTS TO MINIMIZE POTENTIAL DAMAGE TO WORK AREA, INCLUDING BUT NOT LIMITED TO THE REMOVAL OF ANY EQUIPMENT OR TEMPORARY PILES WITHIN THE POND. IT IS ANTICIPATED THAT PEAK FLOWS DURING A 2-YEAR STORM EVENT MAY BE IN EXCESS OF 371 CFS (4,271 GPM) IN THE MAINSTEM AND 373 CFS (2,789 GPM) IN THE EASTERLY BRANCH.
23. CONTRACTOR IS RESPONSIBLE FOR ANY SNOW REMOVAL AND DEICING OPERATIONS REQUIRED FOR SAFE WORKING CONDITIONS IN WORK AREA, SEDIMENT DEPOSIT SITE, AND APPROVED TRANSPORT ROUTE.

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REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: E. COBRY
 DRAWN BY: E. COBRY
 SHEET CHK'D BY: X
 CROSS CHK'D BY: X
 APPROVED BY: X
 DATE: JUNE 2016




CDM Smith
 111 FOUNDRYS PLAZA, SUITE 1000
 2407 HARTFORD, CT 06103
 TEL: (860) 329-7655

TOWN OF GREENWICH, CONNECTICUT

**BINNEY PARK POND
SEDIMENT FOREBAYS**

LEGEND AND NOTES

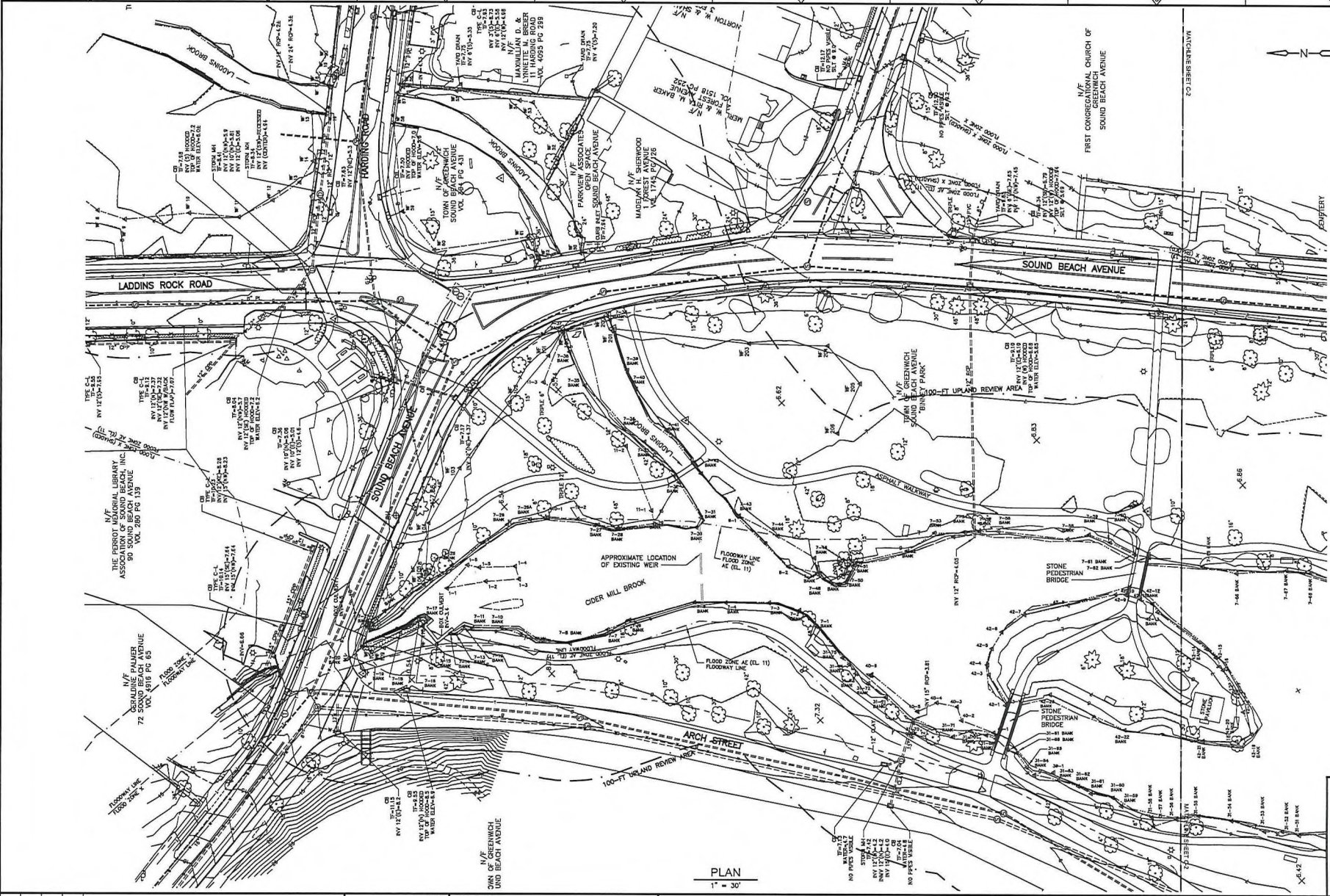


DATE: CYNTHIA A BAUMANN
 PE NO. 6877

PROJECT NO. 20449-99774
 FILE NAME: C001LOND.DWG

SHEET NO. G-1

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DESIGNED BY:	E. COBBY
DRAWN BY:	E. COBBY
SHEET CHECK'D BY:	X
CROSS CHECK'D BY:	X
APPROVED BY:	X
DATE:	JUNE 2015

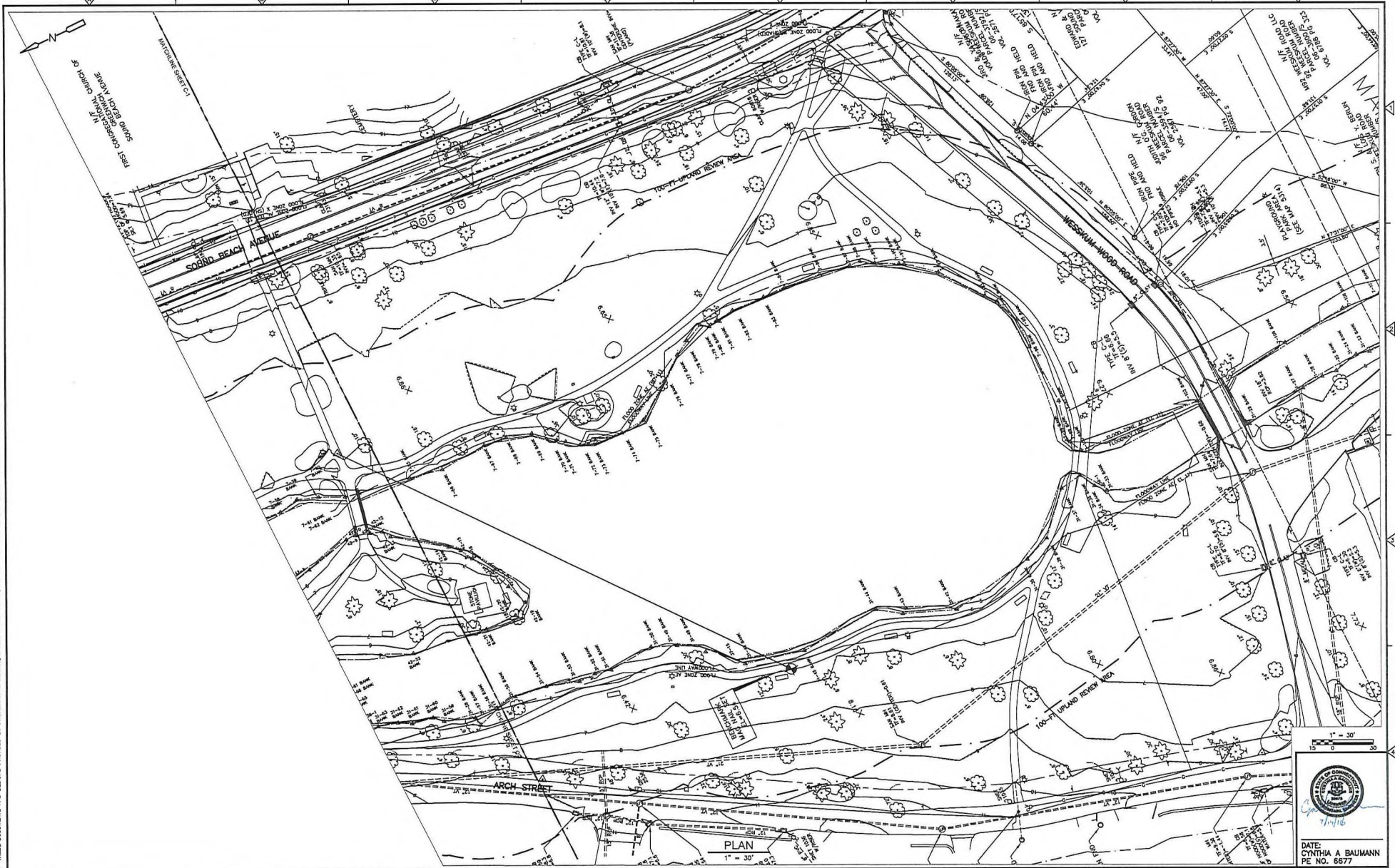
CDM Smith
 111 FOUNDRING PLAZA, SUITE 1600
 EAST HARTFORD, CT 06108
 TEL (860) 526-7615

TOWN OF GREENWICH, CONNECTICUT
**BINNEY PARK POND
 SEDIMENT FOREBAYS**

**EXISTING CONDITIONS
 UPPER BINNEY PARK POND**

PROJECT NO. 20449-99774
 FILE NAME: C002EXPL.DWG
 SHEET NO. C-1

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REV	DATE	DWGN	CHKD	REMARKS

DESIGNED BY: E. CORCORAN
DRAWN BY: E. CORCORAN
SHEET CHECK'D BY: X
CROSS CHECK'D BY: X
APPROVED BY: X
DATE: JUNE 2018

111 FOUNDRY PLAZA, SUITE 1000
EAST HARTFORD, CT 06108
TEL: 860.526.7916

TOWN OF GREENWICH, CONNECTICUT
**BINNEY PARK POND
SEDIMENT FOREBAYS**

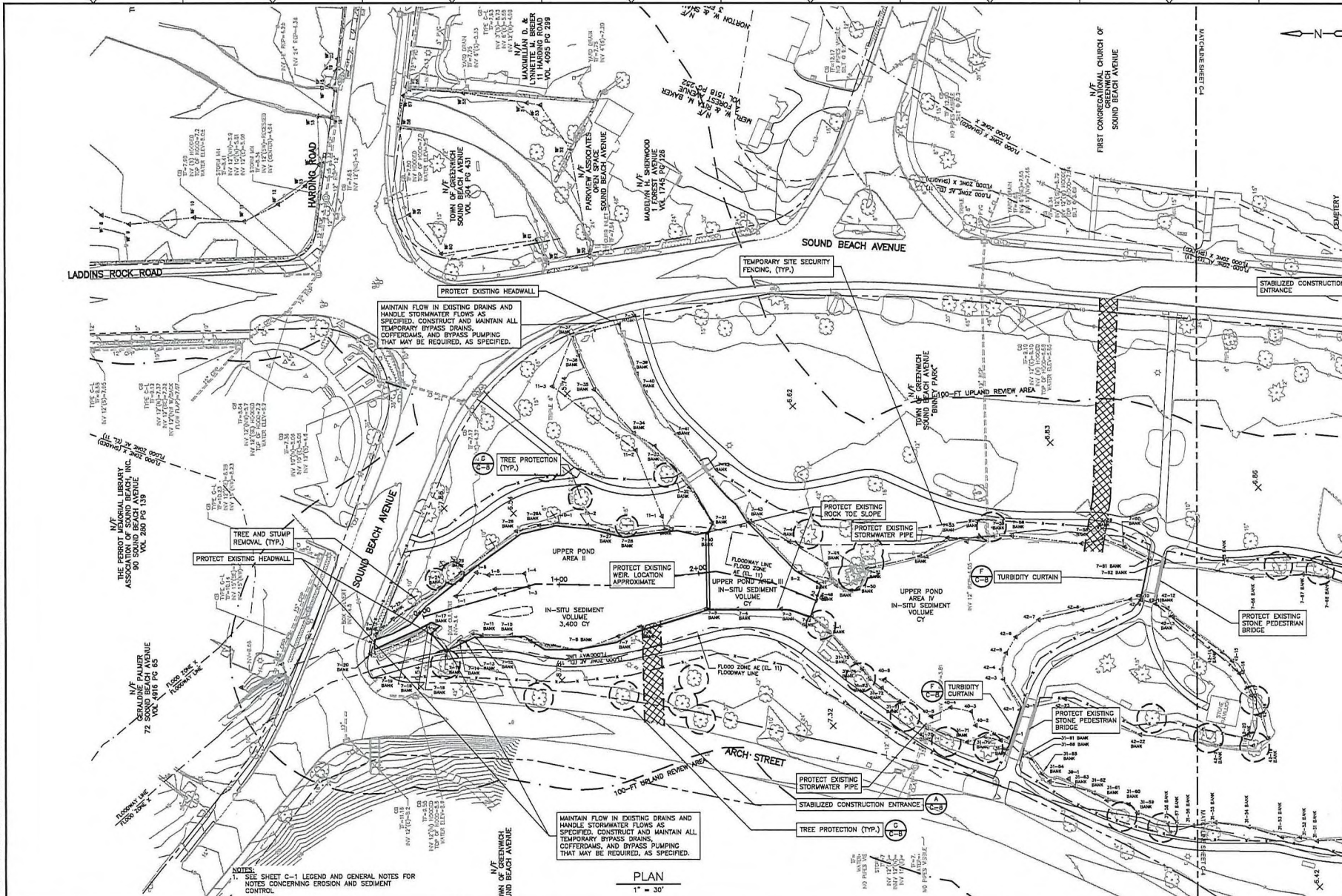
**EXISTING CONDITIONS
LOWER BINNEY PARK POND**



DATE: CYNTHIA A BAUMANN
PE NO. 6677
PROJECT NO.: 20449-99774
FILE NAME: C007EXPLDWG
SHEET NO. C-2

PERMITTING SUBMITTAL - NOT FOR CONSTRUCTION

XREF: CDM, ZAS, (OTHER), (CHECK) - Issue 1
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NOTES:
 1. SEE SHEET C-1 - LEGEND AND GENERAL NOTES FOR NOTES CONCERNING EROSION AND SEDIMENT CONTROL.

PLAN
 1" = 30'

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY:	F. CORY
DRAWN BY:	F. CORY
SHEET CHECK'D BY:	X
CROSS CHECK'D BY:	X
APPROVED BY:	X
DATE:	JUNE 22, 16

CDM Smith
 111 FOUNDRING PLAZA, SUITE 1000
 EAST HARTFORD, CT 06108
 TEL: 860.526.9125

TOWN OF GREENWICH, CONNECTICUT
**BINNEY PARK POND
 SEDIMENT FOREBAYS**

SITE PREPARATION AND
 EROSION AND SEDIMENT CONTROL PLAN
 UPPER BINNEY PARK POND



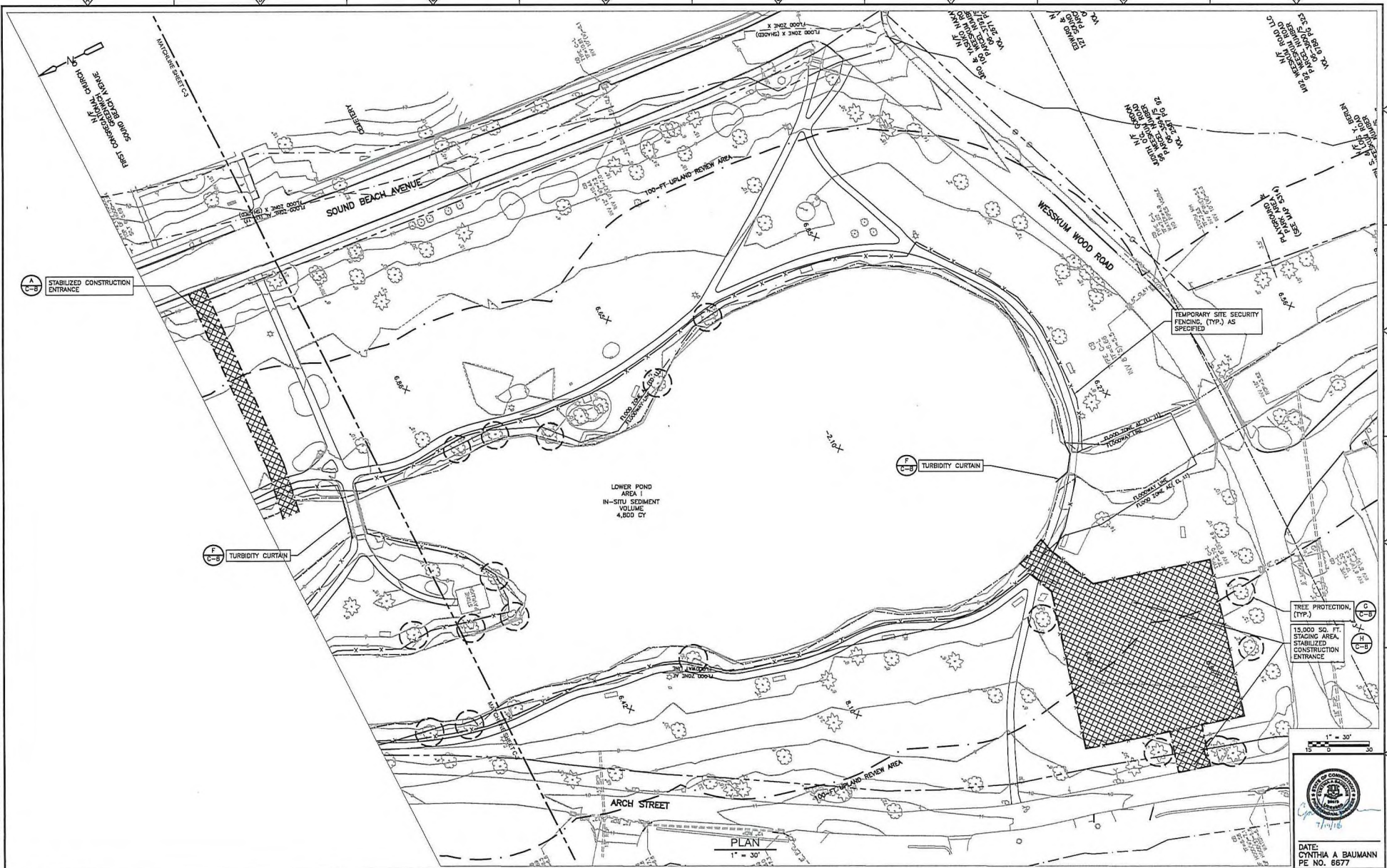
DATE: CYNTHIA A. BAUMANN
 PE NO. 6877

PROJECT NO. 20445-99774
 FILE NAME: CDD03ESCL.DWG

SHEET NO.
C-3

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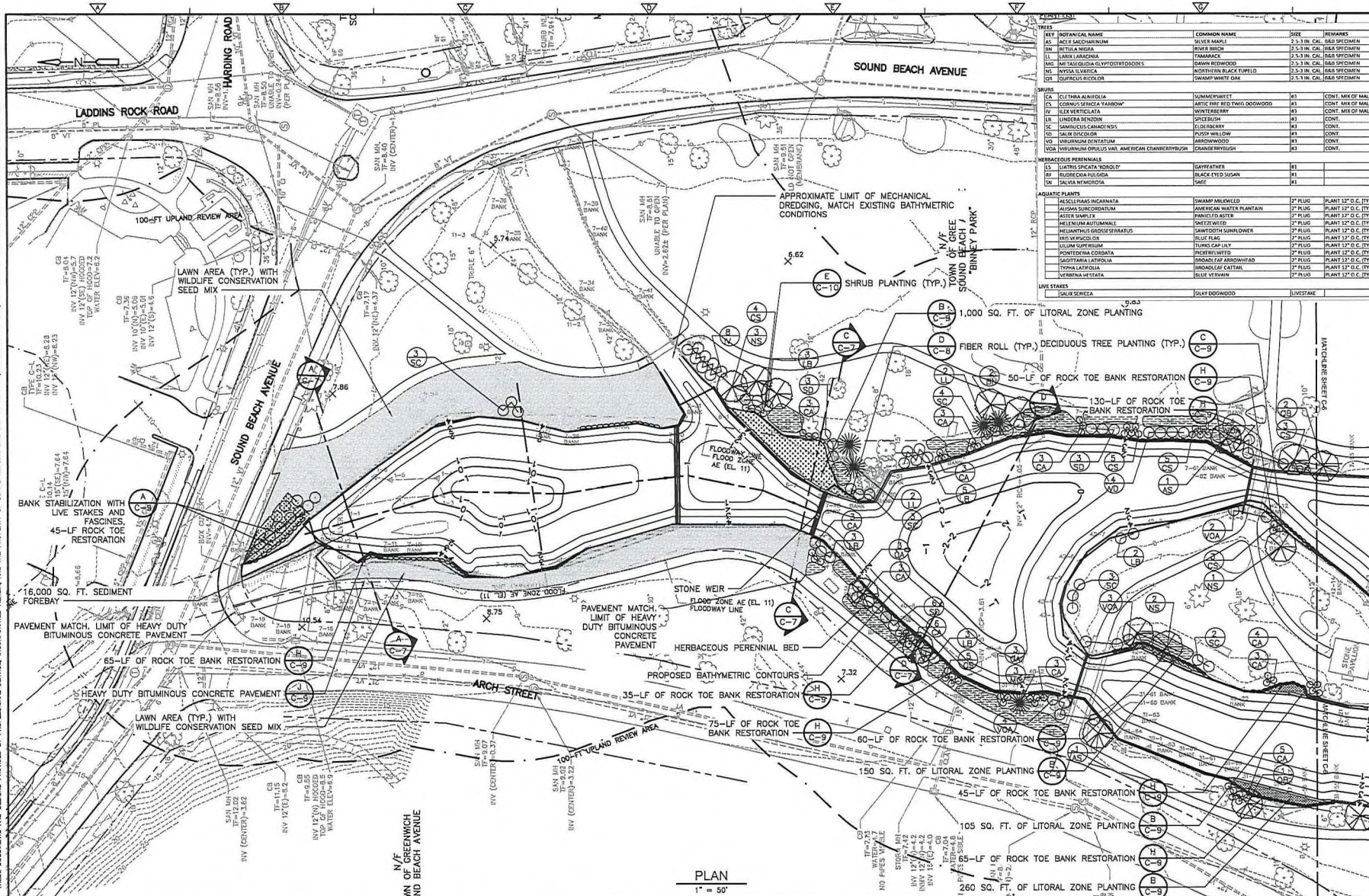
DRAWN BY: E. COBRY
 CHECKED BY: E. COBRY
 DATE: JUNE 2016
 PROJECT NO. 20449-89774
 SHEET NO. C-4
 DATE: 6/2/2016 4:15:03 PM
 FILE NAME: C:\Users\epf\Documents\20449-89774\20449-89774.dwg
 PROJECT: BINNEY PARK POND SEDIMENT FOREBAYS
 DRAWING: EROSION AND SEDIMENT CONTROL PLAN
 TOWN OF GREENWICH, CONNECTICUT
 111 FOUNDERS PLAZA, SUITE 1000
 EAST HARTFORD, CT 06108
 TEL: (860) 534-7616
 WWW.CDMSMITH.COM



DESIGNED BY: E. COBRY	DRWN: E. COBRY	<p>111 FOUNDERS PLAZA, SUITE 1000 EAST HARTFORD, CT 06108 TEL: (860) 534-7616 WWW.CDMSMITH.COM</p>	TOWN OF GREENWICH, CONNECTICUT		SITE PREPARATION AND EROSION AND SEDIMENT CONTROL PLAN LOWER BINNEY POND PARK			
DRAWN BY: E. COBRY	CHECKED BY: X		BINNEY PARK POND SEDIMENT FOREBAYS		<p>PROJECT NO. 20449-89774 FILE NAME: C008ESCL.DWG SHEET NO. C-4</p>			
CROSS CHECKED BY: X	APPROVED BY: X		<p>DATE: JUNE 2016</p>					
DATE: JUNE 2016								
REMARKS								

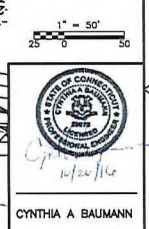
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PLANT	COMMON NAME	SIZE	REMARKS
AS	ACER SACCHARINUM	2.5-3 IN. CAL.	88% SPECIMEN
BN	BEYLA NIGRA	2.5-3 IN. CAL.	88% SPECIMEN
IL	LIRIODENDRON	2.5-3 IN. CAL.	88% SPECIMEN
MS	METASTROPHIA GLYPTOSTERODIODES	2.5-3 IN. CAL.	88% SPECIMEN
NO	NYCTAGINIA	2.5-3 IN. CAL.	88% SPECIMEN
OR	QUERCUS ROBUR	SWAMP WHITE OAK	2.5-3 IN. CAL. 88% SPECIMEN
SHRUBS			
CL	CLYTHIA ANTHOIS	SHRUB WHITE	#1 CONT. MIX OF MALES AND FEMALES
CO	COENUS SENICIA TARDIO	ARTIC. RHIB. RED TWIG DOGWOOD	#1 CONT. MIX OF MALES AND FEMALES
IV	ILEX VERTICILLATA	WINTERBERRY	#1 CONT. MIX OF MALES AND FEMALES
UN	UNDECA RENOV	SPECIERUM	#1 CONT.
SC	SAMOLUS CANADENSIS	ELDERBERRY	#1 CONT.
PI	PIEDMONT	PURSH WILLOW	#1 CONT.
NO	NYCTAGINIA	BARBERRY	#1 CONT.
VDA	VIBURNUM OPULUS VAR. AMERICAN CRANBERRYBUSH	CRANBERRYBUSH	#1 CONT.
HERBACEOUS PERENNIALS			
IS	ISLETIS SPICATA BORDO II	GAFFATHER	#1
RF	RUFUS CRUA FLUGIDA	BLACK EYED SUSAN	#1
DN	DALYIA WIMBORNA	SMILE	#1
ADAPTIVE PLANTS			
ME	MESCLERIAS INCARNATA	SWAMP MILKWEED	2" PLUG PLANT 12" O.C. (TYP.)
AL	ALUMINA SUBCORDATUM	AMERICAN WATER PLANTAIN	2" PLUG PLANT 12" O.C. (TYP.)
PA	PANICUM RABRIS	PANICUM RABRIS	2" PLUG PLANT 12" O.C. (TYP.)
BE	BELENUM AUTUMNALE	SMILET WILF	2" PLUG PLANT 12" O.C. (TYP.)
ME	MELANTHUS LACINIOSERIATUS	SAWTOOTH WILLOWFLOWER	2" PLUG PLANT 12" O.C. (TYP.)
IS	ISLETIS SPICATA	GAFFATHER	2" PLUG PLANT 12" O.C. (TYP.)
US	ULMUS SUPRUM	THUNGS CAP LILY	2" PLUG PLANT 12" O.C. (TYP.)
PO	PONDEROSA CORONATA	POKER WILF	2" PLUG PLANT 12" O.C. (TYP.)
SA	SAGITTARIA LATHOLIA	BROAD-LEAF ARROWHEAD	2" PLUG PLANT 12" O.C. (TYP.)
TY	TYPHA LATHOLIA	BROAD-LEAF CATTAIL	2" PLUG PLANT 12" O.C. (TYP.)
VE	VERBENA HESPERIA	BELLE STRAW	2" PLUG PLANT 12" O.C. (TYP.)
LIVE STAKES			
SA	SALEA SERICIA	SHAW DOGWOOD	LIVESTAKE

PLAN
1" = 50'



PROJECT NO. 20449-99774
 FILE NAME: C0055TPL
 SHEET NO. C-5
 CYNTHIA A. BAUMANN
 10/20/16

REV.	DATE	DRWN	CHGD	TOWN COMMENTS	REMARKS
1	10/26/16	JC	CB	TOWN COMMENTS	

DESIGNED BY: R. HAYES
 DRAWN BY: J. CORIO
 SHEET CHECKED BY: X
 CROSS CHECKED BY: X
 APPROVED BY: X
 DATE: OCTOBER 2016

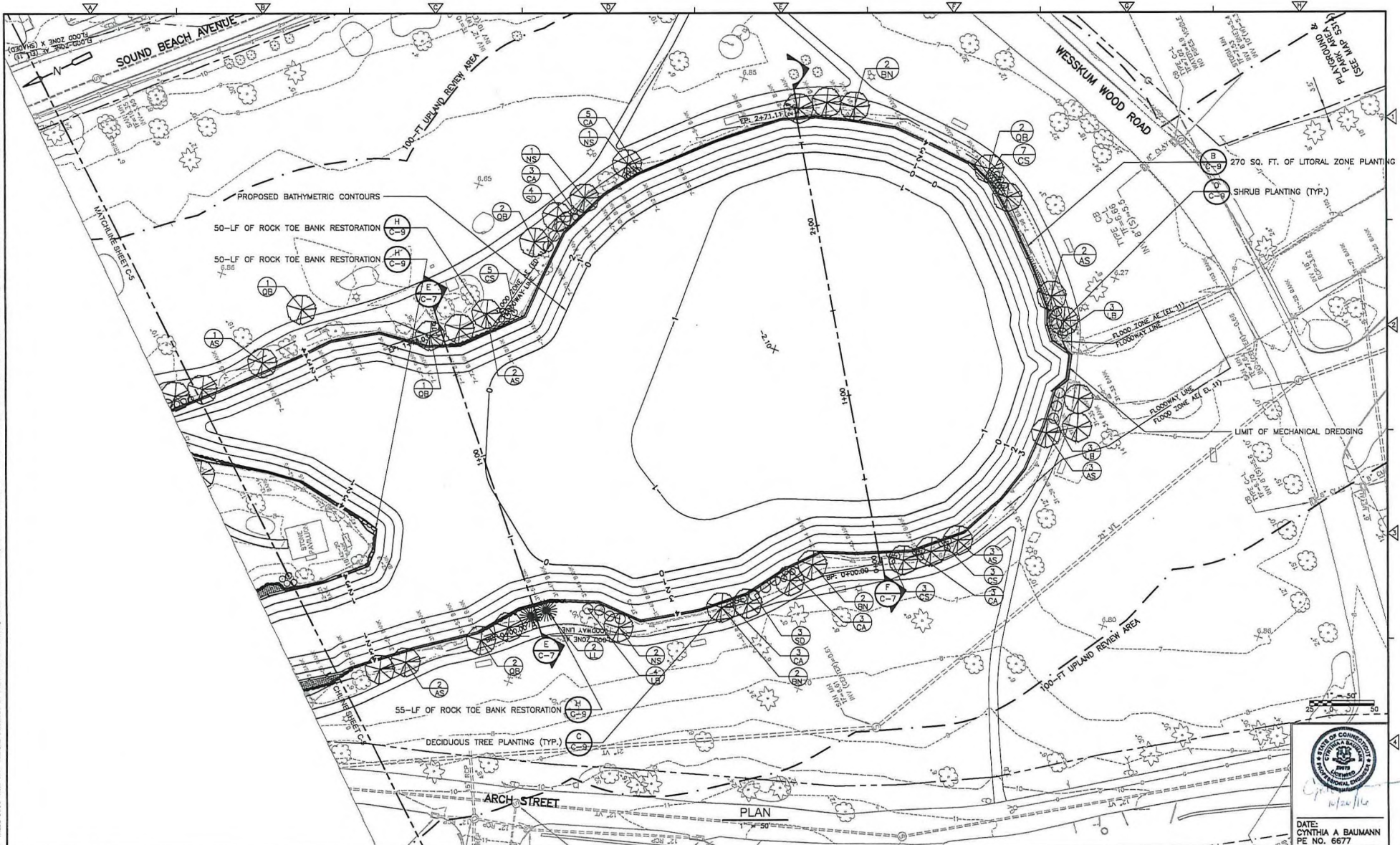
CDM Smith
 111 FOUNDERS PLAZA, SUITE 1100
 EAST HARTFORD, CT 06108
 TEL: (860) 526-0265

TOWN OF GREENWICH, CONNECTICUT
 BINNEY PARK POND MAINTENANCE DREDGING
 AND BANK RESTORATION

SITE PLAN
 UPPER BINNEY PARK POND

PERMITTING SUBMITTAL - NOT FOR CONSTRUCTION

XREFS: [CDM] 215A, 10355URV, 000028P01, Images: [Civty, Swamp]
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REV. NO.	DATE	DRWN	CHKD	TOWN COMMENTS	REMARKS
1	10/20/16	JAC	CAB		

DESIGNED BY: N. HAYES
 DRAWN BY: S. CORNELL
 SHEET CHECKED BY: X
 CROSS CHECKED BY: X
 APPROVED BY: X
 DATE: OCTOBER 2016

CDM Smith
 111 FOUNDER'S PLAZA, SUITE 1000
 EAST HARTFORD, CT 06105
 TEL (860) 525-7615

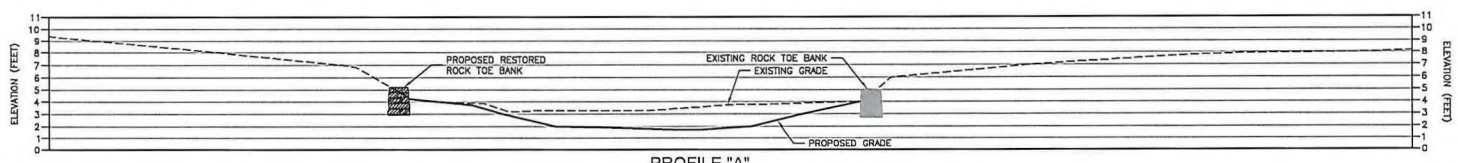
TOWN OF GREENWICH, CONNECTICUT
 BINNEY PARK POND MAINTENANCE DREDGING
 AND BANK RESTORATION

SITE PLAN
 LOWER BINNEY PARK POND

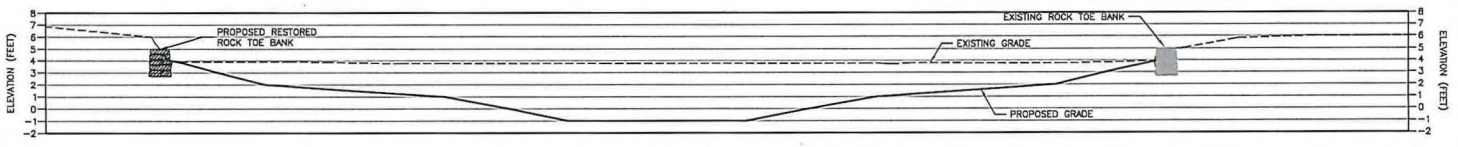
DATE: 11/20/16
 FILE NAME: C006ESCL
 PROJECT NO: 20448-99774
 SHEET NO: C-6

PERMITTING SUBMITTAL - NOT FOR CONSTRUCTION

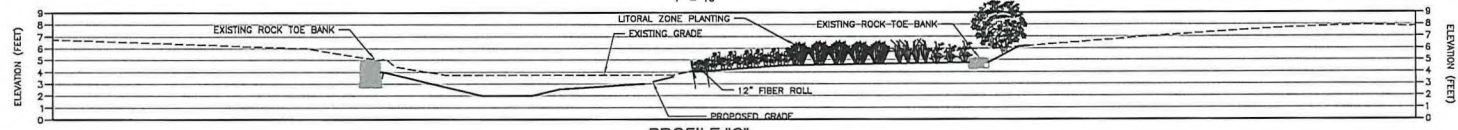
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 DRAWN BY: [J. GORDA]
 CHECKED BY: [R. HANES]
 APPROVED BY: [CYNTHIA A. BAUMANN]
 PROJECT NO.: 20449-09774
 FILE NAME: C0075TFL
 SHEET NO.: C-7



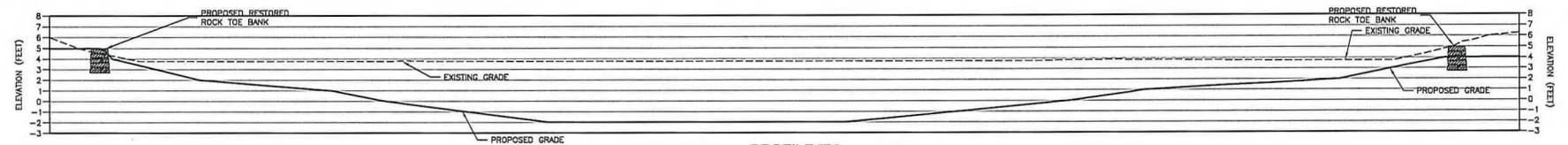
PROFILE "A"
1" = 10'



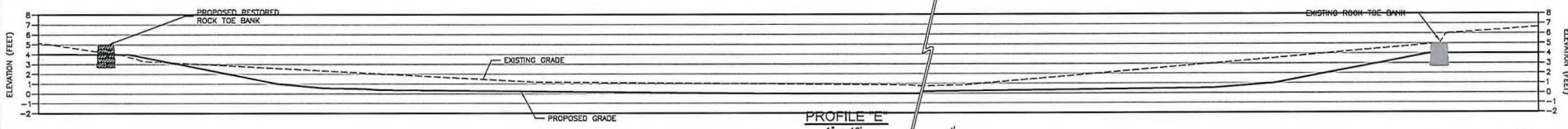
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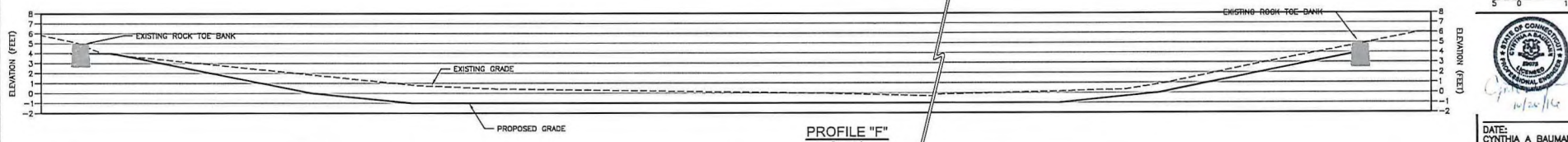
PROFILE "C"
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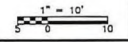
PROFILE "D"
1" = 10'



PROFILE "E"
1" = 10'



PROFILE "F"
1" = 10'



DATE: CYNTHIA A. BAUMANN
 PE NO. 6677
 PROJECT NO. 20449-09774
 FILE NAME: C0075TFL
 SHEET NO. C-7

REV. NO.	DATE	DRWN	CHKD	TOWN COMMENTS	REMARKS
1	10/20/19	JG	GR		

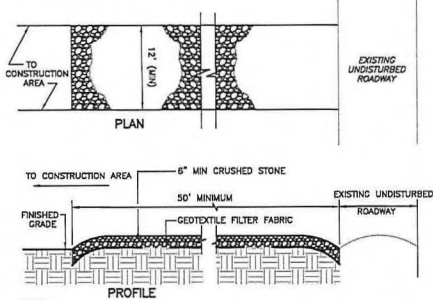
DESIGNED BY: R. HANES
 DRAWN BY: J. GORDA
 SHEET CHECKED BY: X
 CROSS CHECKED BY: X
 APPROVED BY: X
 DATE: OCTOBER 2019



TOWN OF GREENWICH, CONNECTICUT
 BINNEY PARK POND MAINTENANCE DREDGING
 AND BANK RESTORATION

PROFILES

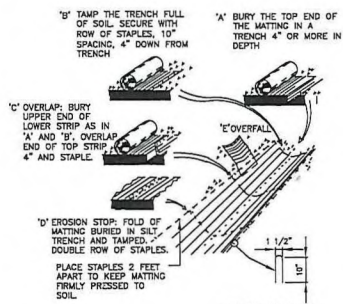
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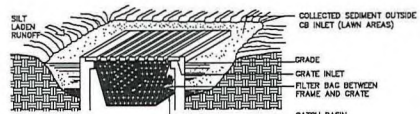
- NOTES:**
1. PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED CONSTRUCTION ENTRANCE AND UNDISTURBED ROADWAY.
 2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO UNDISTURBED ROADWAY.
 3. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDING STONE TO THE LENGTH OF THE ENTRANCE.
 4. REPAIR AND CLEAN OUT MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO UNDISTURBED ROADWAY SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.

STABILIZED CONSTRUCTION ENTRANCE

DETAIL A
SCALE: NOT TO SCALE C-2

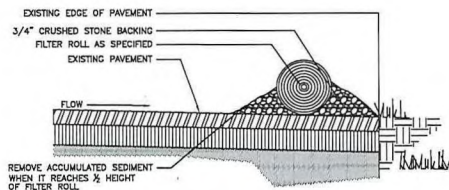


EROSION CONTROL BLANKET
DETAIL B
SCALE: NOT TO SCALE C-2

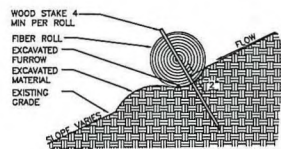


CATCH BASIN FILTER
DETAIL C
SCALE: NOT TO SCALE C-2

- NOTE:**
- 1) IN LAWN AREAS, USE MESH, WOOD FRAME BOX AND STONE FOR INLET PROTECTION (NO BAG REQUIRED)
 - 2) IN PAVED AREAS, USE FILTER BAG FOR INLET PROTECTION (NO MESH, BOX OR STONE REQUIRED)

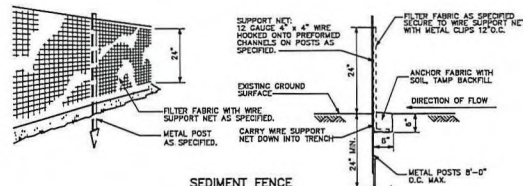


PAVEMENT APPLICATIONS

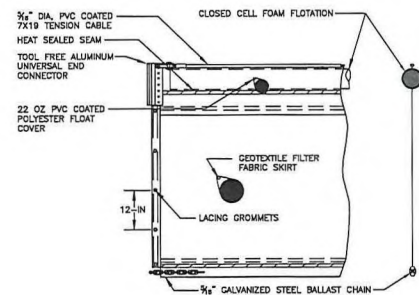


LANDSCAPE APPLICATIONS

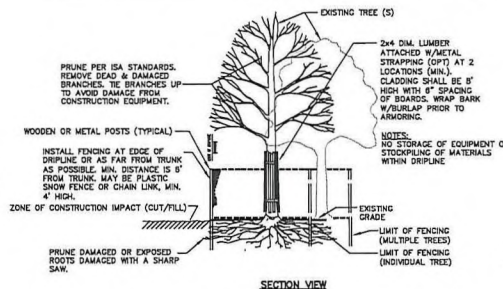
FIBER ROLL
DETAIL D
SCALE: NOT TO SCALE C-2



SEDIMENT FENCE
DETAIL E
SCALE: NOT TO SCALE C-2

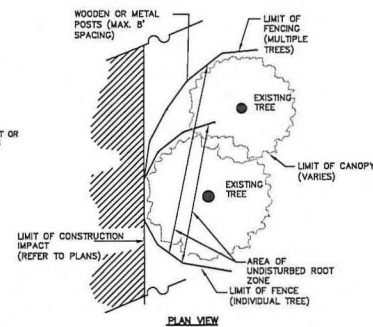


FLOATING TURBIDITY BARRIER
DETAIL F
SCALE: NOT TO SCALE C-2

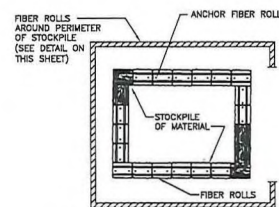


SECTION VIEW

TREE PROTECTION
DETAIL G
SCALE: NOT TO SCALE C-2

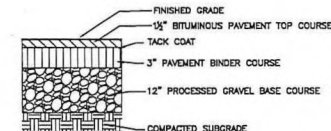


PLAN VIEW



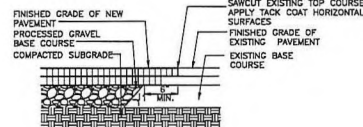
STAGING/STORING AREA
DETAIL H
SCALE: NOT TO SCALE C-2

- NOTES:**
1. SIDE SLOPES OF MATERIAL SHALL BE A MAXIMUM OF 2:1.
 2. STAGING/STORAGE AREAS SHALL BE RESTORED AS SPECIFIED.

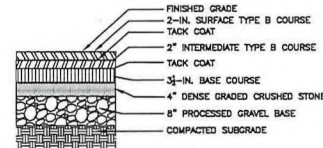


HEAVY DUTY BITUMINOUS CONCRETE PAVEMENT
DETAIL J
SCALE: NOT TO SCALE

- 1) BASE COURSE SHALL EXTEND 3" MIN. BEYOND EDGE OF PAVEMENT



PAVEMENT MATCH
DETAIL I
SCALE: NOT TO SCALE



BITUMINOUS CONCRETE PAVEMENT
DETAIL K
SCALE: NTS

PROJECT: [CDMS_2438] Inset: [] 10/17/2011 10:55:11 AM
 Link saved by: CDM Smith 10/17/2011 10:55:11 AM 04-24-2011 10:55:11 AM
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REV. NO.	DATE	DRWN	CHKD	REMARKS

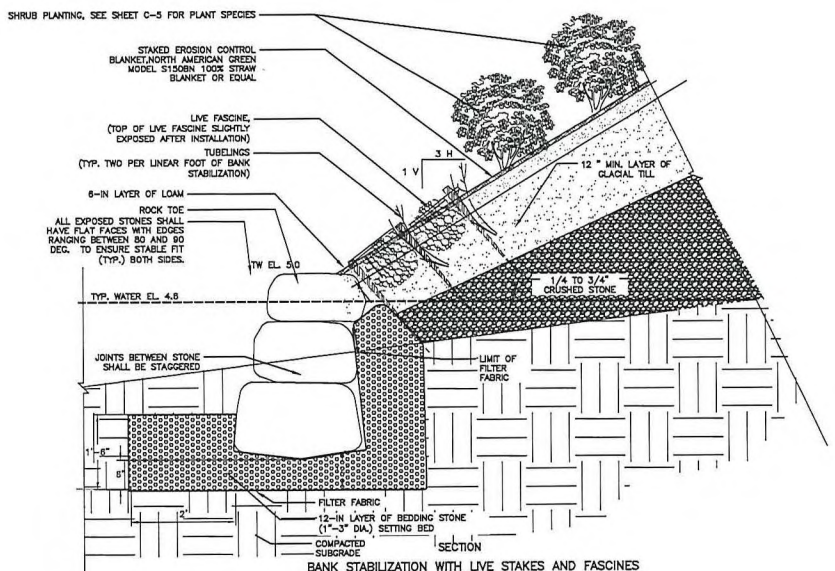
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DRAWN BY:	E. CORRY
SHEET CHK'D BY:	X
CROSS CHK'D BY:	X
APPROVED BY:	X
DATE:	JUNE 2011

CDM Smith
 117 FORDS PLAZA, SUITE 1000
 EAST HARTFORD, CT 06108
 TEL: (860) 524-7615

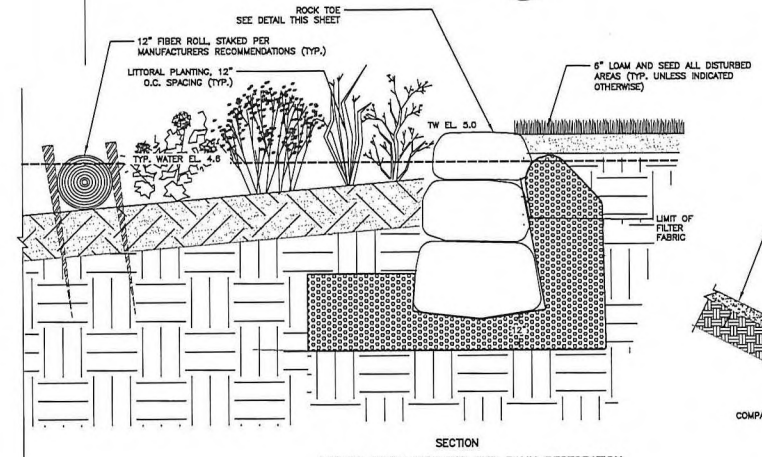
TOWN OF GREENWICH, CONNECTICUT
 BINNEY PARK POND
 SEDIMENT FOREBAYS

PROJECT NO. 29449-09774
 FILE NAME: C08BSTD1.DWG
 SHEET NO.
 C-8

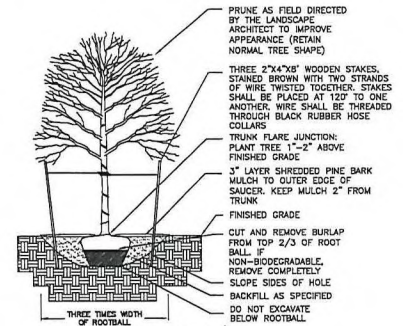
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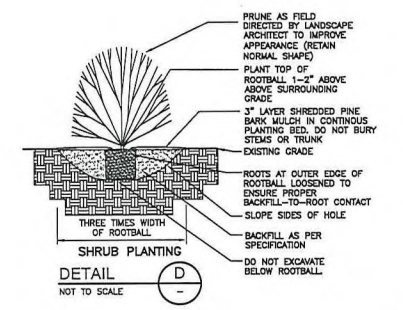
SECTION
BANK STABILIZATION WITH LIVE STAKES AND FASCINES
DETAIL (A)
NTS



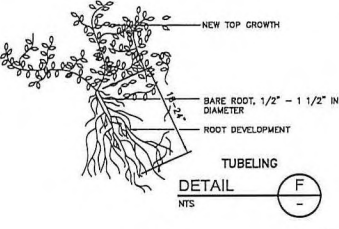
SECTION
LITORAL ZONE PLANTING AND BANK RESTORATION
DETAIL (B)
NTS



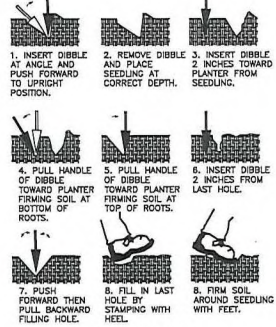
DETAIL
DECIDUOUS TREE PLANTING
(C)
NOT TO SCALE



DETAIL
SHRUB PLANTING
(D)
NOT TO SCALE

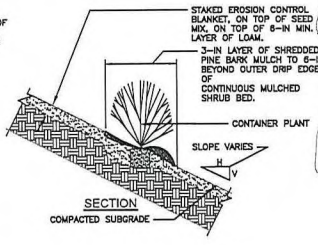


DETAIL
TUBELING
(F)
NTS

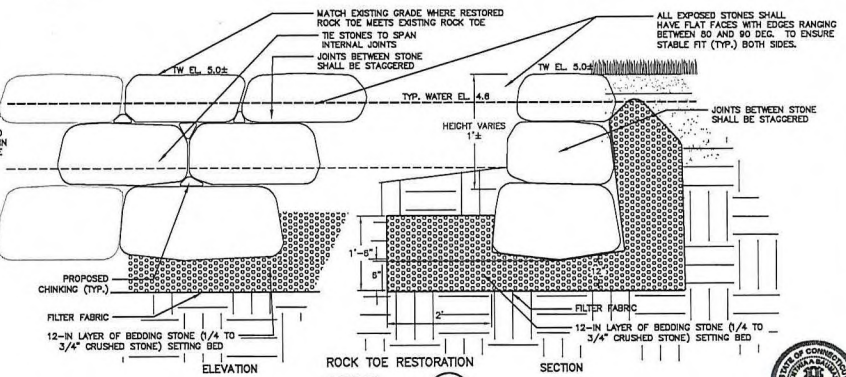


DETAIL
AQUATIC PLANTING
(G)
NOT TO SCALE

- NOTES:**
1. INSERT DIBBLE BAR AT ANGLE SHOWN AND PUSH FORWARD TO UPRIGHT POSITION.
 2. PLACE PLUG TO DEPTH CROWN AT NURSERY. MAKE SURE ROOT IS PLUMB.
 3. INSERT DIBBLE BAR 2 INCHES FROM PLUG, THEN PULL BACK TO PACK THE SOIL AROUND THE ROOTS.
 4. PUSH HANDLE OF DIBBLE BAR TOWARD THE PLUG TO FINISH PACKING SOIL AT TOP OF ROOTS.
 5. FILL IN SECOND HOLE BY ADDING PLANTING SOIL AND LIGHTLY TAMPING WITH FOOT.
 6. TAMP SOIL AROUND PLUG WITH FEET.



SECTION
SHRUB PLANTING
DETAIL (E)
NOT TO SCALE



SECTION
ROCK TOE RESTORATION
DETAIL (H)
NOT TO SCALE

REV.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY:	R. HAYES
DRAWN BY:	J. CASABELLA
SHEET CHECK'D BY:	R. HAYES
CROSS CHECK'D BY:	S. BAUMANN
APPROVED BY:	X
DATE:	JUNE 2018

CDM Smith
 117 FORTRESS ROAD SUITE 1000
 EAST HARTFORD, CT 06118
 THE (860) 525-9115

TOWN OF GREENWICH, CONNECTICUT
 BINNEY PARK POND MAINTENANCE DREDGING
 AND BANK RESTORATION

DETAILS II
 SHEET NO.
 C-9

PROJECT NO. 20449-89774
 FILE NAME: C009210T.DWG
 SHEET NO.
 C-9

