

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHEAST REGIONAL OFFICE
20 RIVERSIDE DRIVE, LAKEVILLE, MA 02347 508-946-2700

JANE SWIFT
Governor

BOB DURAND
Secretary

LAUREN A. LISS
Commissioner

COPY

JUL 12 2001

Paul D. Pettegrove, Trustee
Gorda Realty Trust
248 Andover Street
Peabody, Massachusetts 01960

RE: AQUINNAH Wetlands
File No. SE 27-237
Superseding Order of
Conditions

Dear Mr. Pettegrove:

Following an in depth review of the above referenced file and in accordance with Massachusetts General Laws, Chapter 131, Section 40, the Department of Environmental Protection is issuing the enclosed Superseding Order of Conditions (SOC). This Order approves the proposed project subject to certain conditions.

The Department has determined that the project site contains bordering vegetated wetland (BVW), as defined in 310 CMR 10.55(2); and inland Bank, as defined in 310 CMR 10.54(2). In accordance with the Wetlands Protection Act, and its regulations (310 CMR 10.00), BVW and inland Bank are presumed significant to public and private water supply, ground water supply, flood control, storm damage prevention, prevention of pollution and the protection of fisheries and wildlife habitat.

The proposed project consists of the construction of a single-family dwelling, well, subsurface sewage disposal system and access driveway. The proposed dwelling, well and septic system will be constructed within the 100-foot buffer zone to the BVW and inland Bank. The proposed driveway and 2" PVC sewer line will cross BVW and inland Bank. A bridge has been proposed to reduce the amount of BVW impacted by the driveway crossing to 2362 square feet.

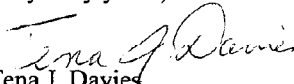
The enclosed SOC requires that an erosion control barrier be installed and maintained along the edge of the BVW. The SOC establishes the erosion control barrier as the limit of work. The SOC conditions the construction methodology for the installation of the 2" PVC sewer line beneath the stream. The SOC contains additional requirements to protect the interests of the Act.

-2-

In the opinion of the Department the reasons given here are sufficient to justify the enclosed SOC. However, the Department reserves the right to raise additional issues and present further evidence as may be appropriate should there be further proceedings in this matter.

If you have any questions regarding the enclosed SOC or need additional information, please contact Daniel F. Gilmore at (508) 946-2808.

Very truly yours,


Tena J. Davies
Bureau of Resource Protection

D/DFG/dg

Enclosure

CERTIFIED MAIL #7099 3400 0008 7890 3595
RETURN RECEIPT REQUESTED

Cc: Aquinnah Conservation Commission

James J. Decoulos, P.E., L.S.P.
Decoulos & Company
248 Andover Street
Peabody, MA 01960

Jack & Joanne Fruchtmann
1807 Kenway Road
Baltimore, MD 21209

Hanni Dinkeloo
Mass Wildlife
Field Headquarters
Rabbit Hill Road
Westborough, MA 01581



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
WPA Form 5 – Superseding Order of Conditions
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

SE 27-237
Provided by DEP

General Information

From:

Department of Environmental Protection
Issuing Authority

This issuance is for a (check one):

- ☒ Superseding Order of Conditions
☐ Amended Superseding Order of Conditions

To: Applicant:

Gorda Realty Trust
Name
248 Andover Street
Mailing Address
Peabody MA 01960
City/Town State Zip Code

Property Owner (if different from applicant):

Same
Name
Same
Mailing Address
Same
City/Town State Zip Code

1. Project Location:

Moshup Trail Aquinnah
Street Address City/Town
12 38
Assessors Map/Plat Number Parcel/Lot Number

2. Property recorded at the Registry of Deeds for:

Dukes 65 180
County Book Page

Certificate (if registered land)

3. Dates:

March 15, 2000
Date Notice of Intent Filed Date Public Hearing Closed Date of Issuance of Local Order

4. Final Approved Plans and Other Documents (see attached additional plan references on Page 7):

Proposed Conditions, Map 12, Parcel 38 (Set-Off Lot 232), Figure 4	2/12/01
Title	Date
Proposed Bridge Crossing, Map 12, Parcel 38 (Set-Off Lot 232), Figure 5	2/12/01
Title	Date
Proposed Replication Plan, Map 12, Parcel 38 (Set-Off Lot 232), Figure 6	2/12/01
Title	Date
Proposed Septic System Assessor Map 12, Parcel 38, (Sheet 1 of 2)	6/27/01
Title // Signed & Stamped by James J. Decoulos, RPE	Date

5. Final Plans and Documents Prepared by:

Decoulos & Company;
Name

6. Total Fee:

\$ 250.00
(from Appendix B: Wetland Fee Transmittal Form)



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
WPA Form 5 – Superseding Order of Conditions
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

SE 27-237

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Findings

Findings pursuant to the Massachusetts Wetlands Protection Act:

Following the review of the above-referenced Notice of Intent and based on the information provided in this application and presented at the public hearing, the Department finds that the areas in which work is proposed is significant to the following interests of the Wetlands Protection Act. Check all that apply:

- | | | |
|--|---|--|
| <input type="checkbox"/> Public Water Supply | <input type="checkbox"/> Land Containing Shellfish | <input checked="" type="checkbox"/> Prevention of Pollution |
| <input checked="" type="checkbox"/> Private Water Supply | <input checked="" type="checkbox"/> Fisheries | <input checked="" type="checkbox"/> Protection of Wildlife Habitat |
| <input checked="" type="checkbox"/> Groundwater Supply | <input checked="" type="checkbox"/> Storm Damage Prevention | <input checked="" type="checkbox"/> Flood Control |

Furthermore, the Department hereby finds the project, as proposed, is: (check one of the following boxes)

Approved subject to:

- ☒ the following conditions which are necessary, in accordance with the performance standards set forth in the wetlands regulations, to protect those interests checked above. The Department orders that all work shall be performed in accordance with the Notice of Intent referenced above, the following General Conditions, and any other special conditions attached to this Order. To the extent that the following conditions modify or differ from the plans, specifications, or other proposals submitted with the Notice of Intent, these conditions shall control.

Denied because:

- ☐ the proposed work cannot be conditioned to meet the performance standards set forth in the wetland regulations to protect those interests checked above. Therefore, work on this project may not go forward unless and until a new Notice of Intent is submitted which provides measures which are adequate to protect these interests, and a final Order of Conditions is issued.
- ☐ the information submitted by the applicant is not sufficient to describe the site, the work, or the effect of the work on the interests identified in the Wetlands Protection Act. Therefore, work on this project may not go forward unless and until a revised Notice of Intent is submitted which provides sufficient information and includes measures which are adequate to protect the Act's interests, and a final Order of Conditions is issued. A description of the specific information which is lacking and why it is necessary is attached to this Order as per 310 CMR 10.05(6)(c).

General Conditions (only applicable to approved projects)

1. Failure to comply with all conditions stated herein, and with all related statutes and other regulatory measures, shall be deemed cause to revoke or modify this Order.
2. The Order does not grant any property rights or any exclusive privileges; it does not authorize any injury to private property or invasion of private rights.
3. This Order does not relieve the permittee or any other person of the necessity of complying with all other applicable federal, state, or local statutes, ordinances, bylaws, or regulations.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
WPA Form 5 – Superseding Order of Conditions
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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Findings (cont.)

4. The work authorized hereunder shall be completed within three years from the date of this Order unless either of the following apply:
 - a. the work is a maintenance dredging project as provided for in the Act; or
 - b. the time for completion has been extended to a specified date more than three years, but less than five years, from the date of issuance. If this Order is intended to be valid for more than three years, the extension date and the special circumstances warranting the extended time period are set forth as a special condition in this Order.
5. This Order may be extended by the issuing authority for one or more periods of up to three years each upon application to the issuing authority at least 30 days prior to the expiration date of the Order.
6. Any fill used in connection with this project shall be clean fill. Any fill shall contain no trash, refuse, rubbish, or debris, including but not limited to lumber, bricks, plaster, wire, lath, paper, cardboard, pipe, tires, ashes, refrigerators, motor vehicles, or parts of any of the foregoing.
7. This Order is not final until all administrative appeal periods from this Order have elapsed, or if such an appeal has been taken, until all proceedings before the Department have been completed.
8. No work shall be undertaken until the Order has become final and then has been recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, the Final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land upon which the proposed work is to be done. In the case of the registered land, the Final Order shall also be noted on the Land Court Certificate of Title of the owner of the land upon which the proposed work is done. The recording information shall be submitted to the Department on the form at the end of this Order, which form must be stamped by the Registry of Deeds, prior to the commencement of work.
9. A sign shall be displayed at the site not less than two square feet or more than three square feet in size bearing the words,

"Massachusetts Department of Environmental Protection" [or, "MA DEP"]
"File Number SE 27-237 "
10. Where the Department of Environmental Protection is requested to issue a Superseding Order, the Conservation Commission shall be a party to all agency proceedings and hearings before DEP.
11. Upon completion of the work described herein, the applicant shall submit a Request for Certificate of Compliance (WPA Form 8A) to the Department.
12. The work shall conform to the plans and special conditions referenced in this order.
13. Any change to the plans identified in Condition #12 above shall require the applicant to inquire of the Department in writing whether the change is significant enough to require the filing of a new Notice of Intent.
14. The Agent or members of the Conservation Commission and the Department of Environmental Protection shall have the right to enter and inspect the area subject to this Order at reasonable hours to evaluate compliance with the conditions stated in this Order, and may require the submittal of any data deemed necessary by the Department for that evaluation.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
WPA Form 5 – Superseding Order of Conditions
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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Provided by DEP

Findings (cont.)

15. This Order of Conditions shall apply to any successor in interest or successor in control of the property subject to this Order and to any contractor or other person performing work conditioned by this Order.
16. Prior to the start of work, and if the project involves work adjacent to a Bordering Vegetated Wetland, the boundary of the wetland in the vicinity of the proposed work area shall be marked by wooden stakes or flagging. Once in place, the wetland boundary markers shall be maintained until a Certificate of Compliance has been issued by the Department.
17. All sedimentation barriers shall be maintained in good repair until all disturbed areas have been fully stabilized with vegetation or other means. At no time shall sediments be deposited in a wetland or water body. During construction, the applicant or his/her designee shall inspect the erosion controls on a daily basis and shall remove accumulated sediments as needed. The applicant shall immediately control any erosion problems that occur at the site and shall also immediately notify the Department, which reserves the right to require additional erosion and/or damage prevention controls it may deem necessary. Sedimentation barriers shall serve as the limit of work unless another limit of work line has been approved by this Order.

Special Conditions (use additional paper, if necessary): See Attached Pages 7 & 8

Signature:

Tena J. Davies

Tena J. Davies, Bureau of Resource Protection

On

12th
Day

or

July 2001
Month and Year

before me personally appeared Tena J. Davies to me known to be the person described in and who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed.

Diana Patena
Notary Public

12/20/02
My Commission Expires

This Order is issued to the applicant as follows:

☐ by hand delivery on

☒ by certified mail, # 7099 3400 0008 7890 3595
return receipt requested, on

JUL 12 2001

Date

Date



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
WPA Form 5 – Superseding Order of Conditions
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

SE 27-237

Provided by DEP

Appeals

Notice of Appeal Rights:

A) Appeal Rights and Time Limits

The applicant, the owner, any person aggrieved by the Superseding Order, any owner of land abutting the land upon which the proposed work is to be done, or any ten (10) persons pursuant to M.G.L. c.30A, §10A, are hereby notified of their right to request an adjudicatory hearing pursuant to M.G.L. c.30A, § 10, providing the request is made by certified mail or hand delivery to the Department, with the appropriate filing fee and a DEP Fee Transmittal Form within ten (10) business days from the date of issuance of this Superseding Order, and addressed to:

Docket Clerk
Office of Administrative Appeals
Department of Environmental Protection
One Winter Street, 3rd Floor
Boston, MA 02108.

A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission, the applicant, and the issuing office of the DEP at:

DEP Southeast Region
20 Riverside Drive
Lakeville, MA 02347

B) Contents of Hearing Request

A Notice of Claim for Adjudicatory Hearing shall comply with the Department's Rules for Adjudicatory Proceedings, 310 CMR 1.01(6), and shall contain the following information:

- (a) the DEP Wetlands File Number, name of the applicant and address of the project;
- (b) the complete name, address, and fax and telephone numbers of the party filing the request, and, if represented by consultant or counsel, the name, fax and telephone numbers, and address of the representative;
- (c) the names, telephone and fax numbers, and addresses of all other parties, if known;
- (d) a clear and concise statement of (1) the facts which are grounds for the proceedings, (2) the objections to this Superseding Order, including specifically the manner in which it is alleged to be inconsistent with the Department's Wetlands Regulations, 310 CMR 10.00, and does not contribute to the protection of the interests identified in the Act, and (3) the relief sought through the adjudicatory hearing, including specifically the changes desired in the Superseding Order;
- (e) a statement that a copy of the request has been sent by certified mail or hand delivery to the applicant and the conservation commission.

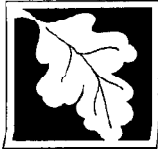
C) Filing Fee and Address

A copy of the Notice of Claim along with a DEP Fee Transmittal Form and a valid check or money order payable to the Commonwealth of Massachusetts in the amount of one hundred dollars (\$100) must be mailed to:

Commonwealth of Massachusetts
Department of Environmental Protection
Commonwealth Master Lockbox
P.O. Box 4062
Boston, Massachusetts 02211

The request will be dismissed if the filing fee is not paid, unless the appellant is exempt or granted a waiver. The filing fee is not required if the appellant is a city or town (or municipal agency), county, or district of the Commonwealth of Massachusetts, or a municipal housing authority. The Department may waive the adjudicatory hearing filing fee pursuant to 310 CMR 4.06(2) for a person who shows that paying the fee will create an undue financial hardship. A person seeking a waiver must file an affidavit setting forth the facts believed to support the claim of undue financial hardship together with the hearing request as provided above.

Failure to submit all necessary information may result in a dismissal by the Department of the Notice of Claim for an Adjudicatory Hearing.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
WPA Form 5 – Superseding Order of Conditions
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

SE 27-237

Provided by DEP

Recording Information

This Order of Conditions must be recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, the final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land subject to the Order. In the case of registered land, this Order shall also be noted on the Land Court Certificate of Title of the owner of the land subject to the Order of Conditions. The recording information on Page 7 of Form 5 shall be submitted to the Department at the address listed below.

Department of Environmental Protection
Southeast Regional Office
20 Riverside Drive
Lakeville, Massachusetts 02347

Detach on dotted line, have stamped by the Registry of Deeds and submit to the Department.

To:

Department of Environmental Protection
Issuing Authority

Please be advised that the Order of Conditions for the Project at:

<u>Moshup Trail, Map 12, Lot 38</u>	<u>SE 27-237</u>
Project Location	DEP File Number

has been recorded at the Registry of Deeds of:

<u>Dukes</u>		
County	Book	Page

for:

Gorda Realty Trust
Property Owner

and has been noted in the chain of title of the affected property in:

<u>Book</u>	<u>Page</u>
-------------	-------------

In accordance with the Order of Conditions issued on:

Date

If recorded land, the instrument number identifying this transaction is:

Instrument Number

If registered land, the document number identifying this transaction is:

Document Number

Signature of Applicant



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
WPA Form 5 – Superseding Order of Conditions
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

SE 27-237

Provided by DEP

PLANS (continued):

Wetland Replication Sequencing, Map 12, Parcel 38 (Set-Off Lot 232), Figure 7 2/14/01
Title Date

Proposed Bridge Details, Map 12, Parcel 38 (Set-Off Lot 232), Figure 8 2/14/01
Title Date

Proposed Bridge Details, Map 12, Parcel 38 (Set-Off Lot 232), Figure 9 2/15/01
Title Date

Final Plans and Documents Prepared by: Decoulos & Company

Proposed Septic System Details Assessor Map 12, Parcel 38, (Sheet 2 of 2) 6/27/00
Title // Signed & Stamped by James J. Decoulos, RPE Date

SPECIAL CONDITIONS:

1. The proposed wetland crossing and replication shall be constructed in accordance with the sequence set forth in Section 3.1 of the Notice of Project Change, prepared for Gorda Realty Trust, Aquinnah, Massachusetts, EOE # 12248, DEP File # 27-237, prepared by Decoulos & Company, dated: February 15, 2001.
2. When excavating, transporting and stockpiling wetland soils, the organic layers shall be segregated from the mineral soils.
3. A copy of the construction sequence referenced in Special Condition 1 shall be provided to any contractor or other person performing work conditioned by this Order.
4. A copy of the construction sequence shall be kept available on site during construction of the project.
5. Step 14 of the Proposed Wetland Replication sequence shall be amended to specify the placement of 18 inches of transplanted wetland soil within the replication areas, as shown on Figure No. 7.
6. The wetland replication and/or restoration areas shall be 75% established within two growing seasons (310 CMR 10.55 (b) (6).) Should the replication and/or restoration areas fail to meet this standard, the Department may require additional measures necessary to achieve compliance.
7. In order to protect the integrity of the stream channels, the pressure sewer line shall be horizontally directionally drilled, or jacked, beneath the streams. Trenching for installation of the pressure sewer line shall not occur within twenty-five feet on either side of the centerline of the stream channels.
8. The pressure sewer line shall be installed a minimum of two feet below the bottom of the channel bed.

SPECIAL CONDITIONS:

9. Dewatering effluent shall be discharged in the upland portion of the site either through a filter fabric bag or within a hay bale enclosure to prevent silt laden water from entering the wetland or stream channel.
10. Trench plugs shall be installed on the pressure sewer line, at the wetland – upland interface.
11. Upon completion of the project, a Certificate of Compliance shall be requested from the Department in accordance with General Condition No. 11, and under the provisions of 310 CMR 10.05(9)(d). An "As-Built" plan and a statement from a Registered Professional Engineer certifying compliance with the conditions of this Order shall accompany the request for a Certificate of Compliance.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection – Wetlands and Waterways Program
Fee Transmittal Form – Request for Adjudicatory Hearing

A. Request Information

Important:
When filling out
forms on the
computer, use
only the tab
key to move
your cursor -
do not use the
return key.



1. Person/Party Making Request:
(if appropriate, name the group representative)

Name _____
Street Address _____
City/Town _____ State _____ Zip Code _____
Phone Number _____ Fax Number (if applicable) _____

Applicant (if applicable):

Name _____
Street Address _____
City/Town _____ State _____ Zip Code _____
Phone Number _____ Fax Number (if applicable) _____

2. Project Location

Street Address _____
City/Town _____ State _____ Zip Code _____

3. DEP File Number:

B. Instructions

1. Send this form and check or money order for \$100.00 payable to the *Commonwealth of Massachusetts* to the DEP Lockbox at:

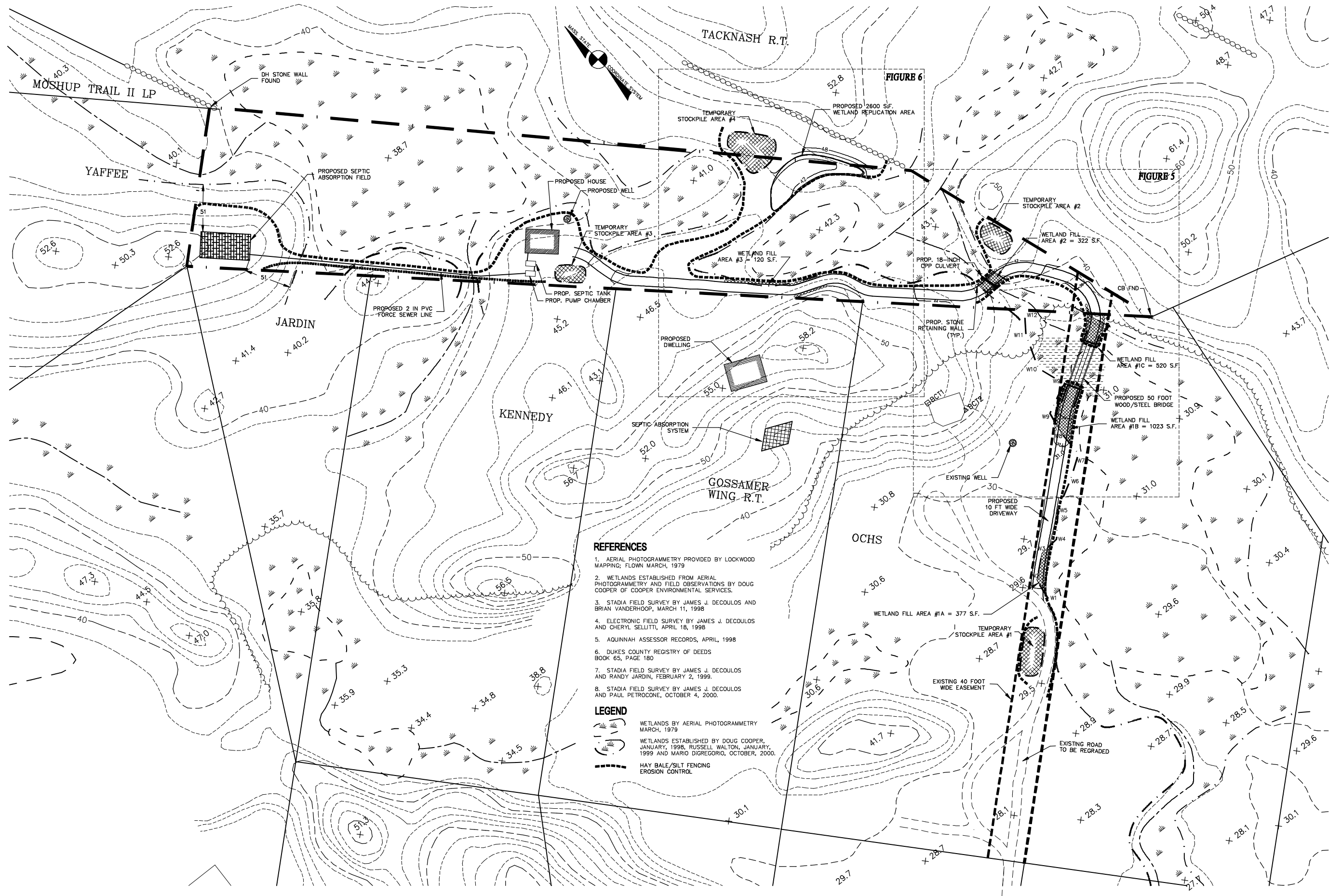
Department of Environmental Protection
Commonwealth Master Lockbox
Box 4062
Boston, MA 02211

2. Send a copy of this form and a copy of the check or money order with the Request for an Adjudicatory Hearing to:

Docket Clerk
Office of Administrative Appeals
Department of Environmental Protection
One Winter Street
Boston, MA 02108

IMPORTANT

This form is intended for fee transmittal only. The contents of a request for an adjudicatory hearing (Notice of Claim) are established at 310 CMR 1.01 (6) and the substantive statutes and regulations governing the Department's action.



- REFERENCES**
1. AERIAL PHOTOGRAMMETRY PROVIDED BY LOCKWOOD MAPPING; FLOWN MARCH, 1979
 2. WETLANDS ESTABLISHED FROM AERIAL PHOTOGRAMMETRY AND FIELD OBSERVATIONS BY DOUG COOPER OF COOPER ENVIRONMENTAL SERVICES.
 3. STADIA FIELD SURVEY BY JAMES J. DECOULOS AND BRIAN VANDERHOOP, MARCH 11, 1998
 4. ELECTRONIC FIELD SURVEY BY JAMES J. DECOULOS AND CHERYL SELUTTI, APRIL 18, 1998
 5. AQUINNAH ASSESSOR RECORDS, APRIL, 1998
 6. DUKES COUNTY REGISTRY OF DEEDS BOOK 65, PAGE 180
 7. STADIA FIELD SURVEY BY JAMES J. DECOULOS AND RANDY JARDIN, FEBRUARY 2, 1999.
 8. STADIA FIELD SURVEY BY JAMES J. DECOULOS AND PAUL PETROCCONE, OCTOBER 4, 2000.
- LEGEND**
- WETLANDS BY AERIAL PHOTOGRAMMETRY MARCH, 1979
 - WETLANDS ESTABLISHED BY DOUG COOPER, JANUARY, 1998, RUSSELL WALTON, JANUARY, 1999 AND MARIO DIGREGORIO, OCTOBER, 2000.
 - HAY BALE/SILT FENCING EROSION CONTROL

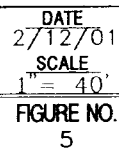
DECOULOS & COMPANY
248 ANDOVER ST. PEABODY, MA 01960
WWW.DECOULOS.COM
978 532 8154

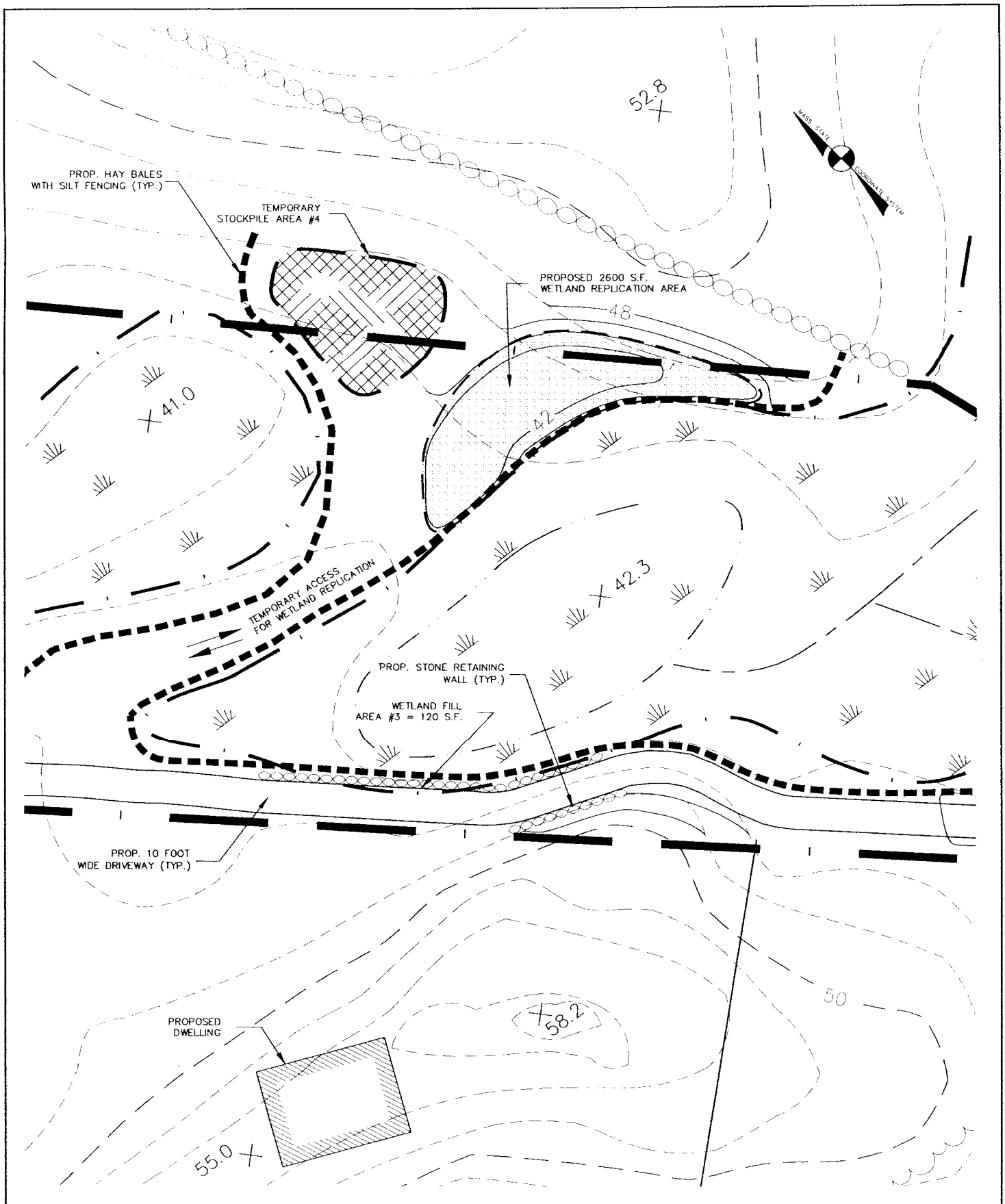
PROPOSED CONDITIONS
MAP 12, PARCEL 38 (SET-OFF LOT 232)
AQUINNAH, MASSACHUSETTS

DATE
2/12/01
SCALE
1" = 100'

DRWN TCM
DES TCM
CHKD JJD
APRVD JJD

FIGURE
4

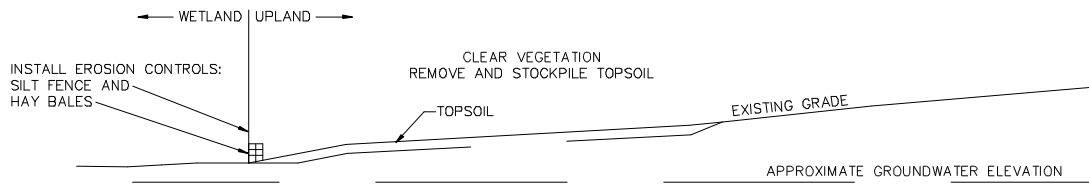




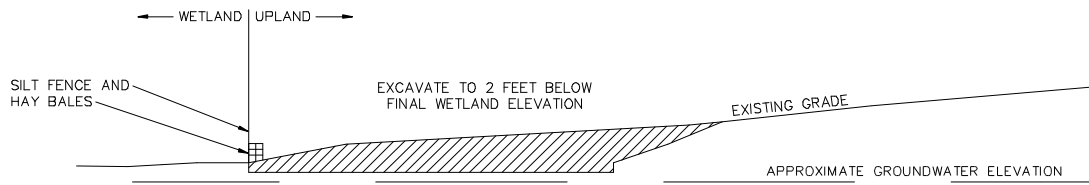
DECOULOS & COMPANY
 248 ANDOVER ST, PEABODY, MA 01960
 WWW.DECOULOS.COM
 978 532 8154

PROPOSED REPLICATION PLAN
MAP 12, PARCEL 38 (SET-OFF LOT 232)
AQUINNAH, MASSACHUSETTS

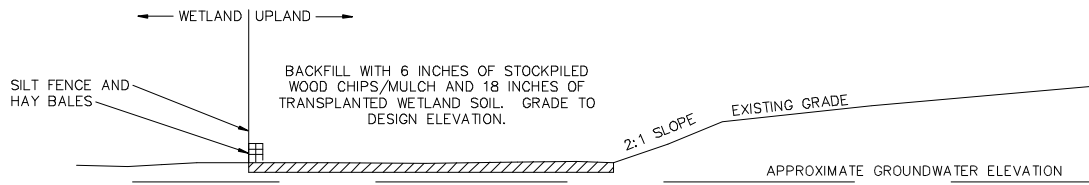
DATE
 2/12/01
 SCALE
 1" = 40'
 FIGURE NO.
 6



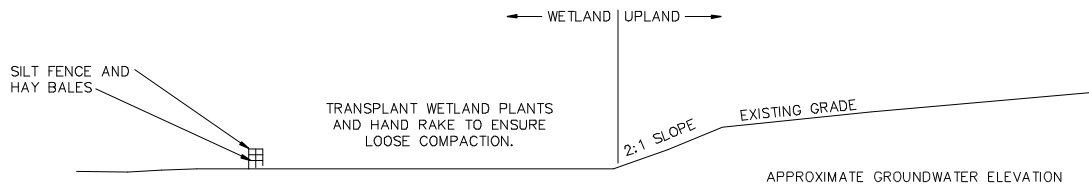
STEP 1



STEP 2



STEP 3

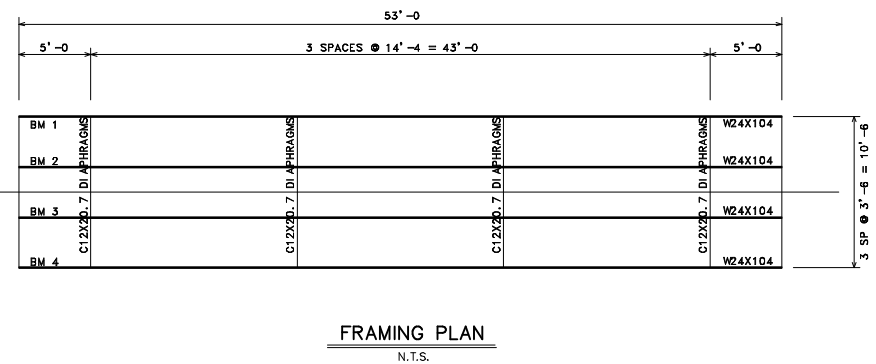
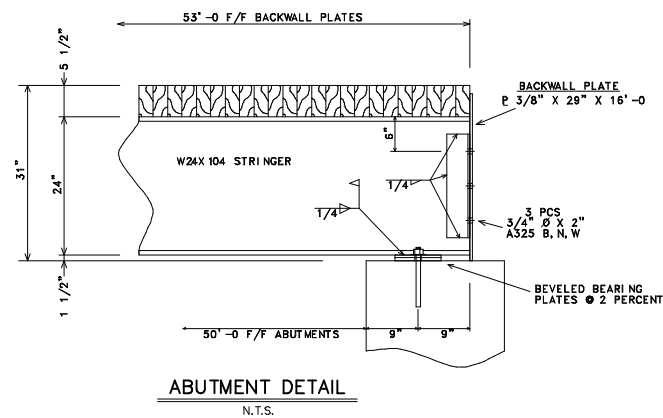
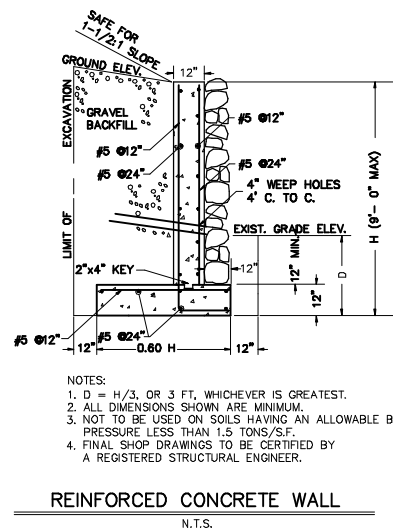
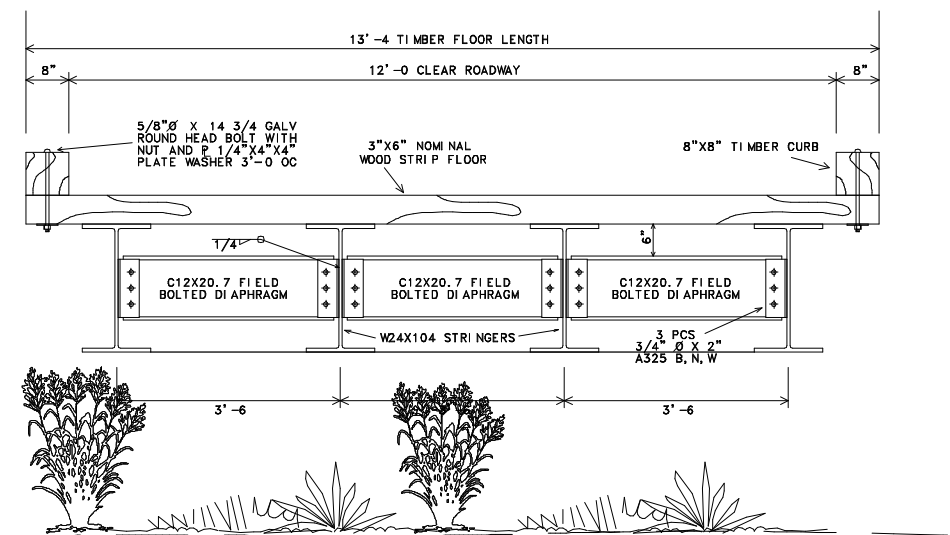
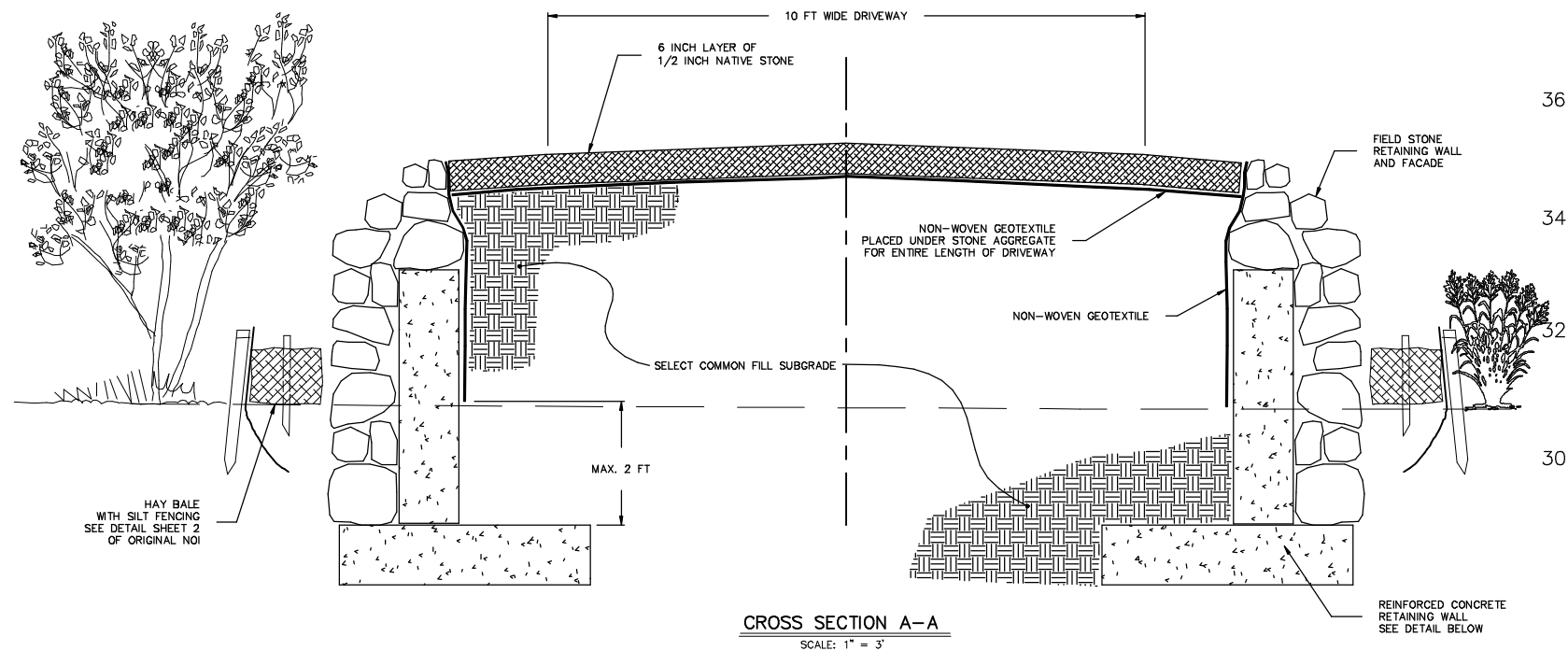
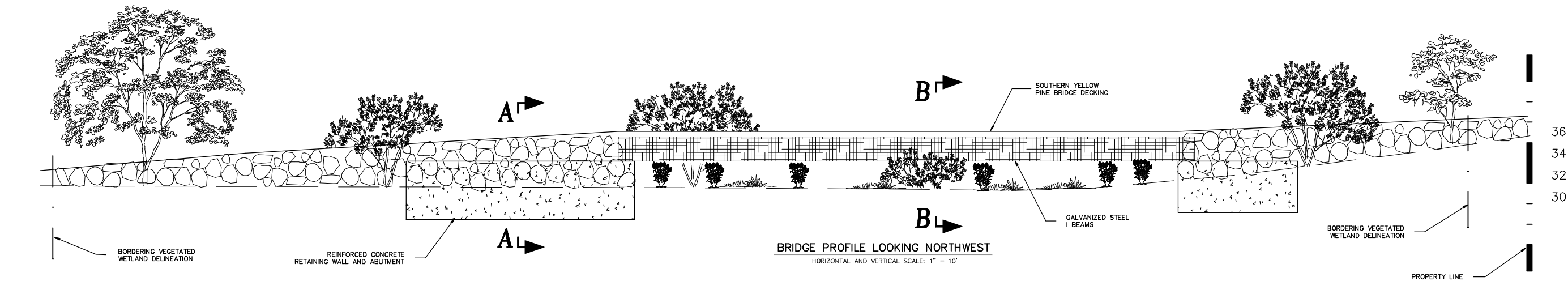


STEP 4

DECOULOS & COMPANY
248 ANDOVER ST, PEABODY, MA 01960
WWW.DECOULOS.COM
978 532 8154

WETLAND REPLICATION SEQUENCING
MAP 12, PARCEL 38 (SET-OFF LOT 232)
AQUINNAH, MASSACHUSETTS

DATE
2/14/01
SCALE
NTS
FIGURE NO.
7



DECOULOS & COMPANY

248 ANDOVER ST, PEABODY, MA 01960
WWW.DECOULOS.COM
978 532 8154

PROPOSED BRIDGE DETAILS
MAP 12, PARCEL 38 (SET-OFF LOT 232)
AQUINNAH, MASSACHUSETTS

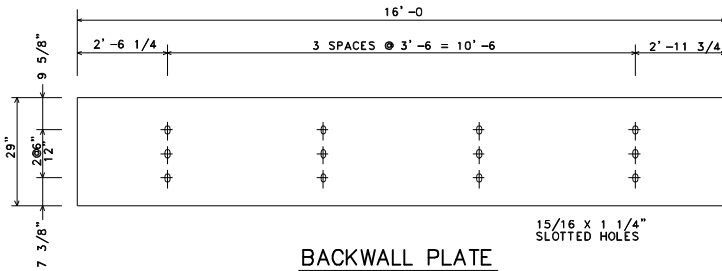
DATE
2/14/01
SCALE
AS NOTED

DRWN TCM
DES TCM
CHKD JJD
APRVD JJD

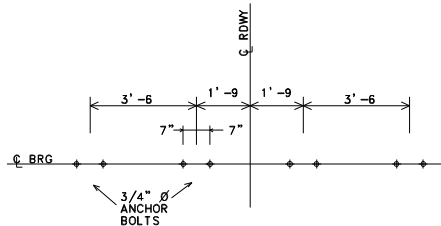
FIGURE
8

BOLT CHART	BOLT TYPE 3/4" Ø A325 TYPE 1 GALVANI ZED				
	SI ZE				
	1 3/4"	2"	2 1/4"	2 1/2"	
DI APHRAGM TO ANGLE		72			
BACKWALL PLATE TO BEAM		24			
TOTAL REQ'D		96			
TOTAL ORDERED		106			

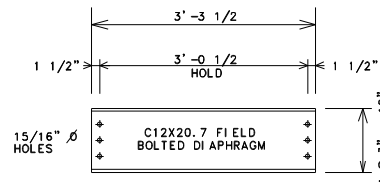
MATERIAL SCHEDULE	
QUANTITY	DESCRI PTION
1 PC	BEAM 1 - W24X104 @ 53'-0" WITH 4 DI APHRAGM CONNECTION ANGLES AND 2 BACKWALL CONNECTION ANGLES
1 EA 2 TOTAL	BEAMS 2 AND 3 - W24X104 @ 53'-0" WITH 8 DI APHRAGM CONNECTION ANGLES AND 2 BACKWALL CONNECTION ANGLES
1 PC	BEAM 4 - W24X104 @ 53'-0" WITH 4 DI APHRAGM CONNECTION ANGLES AND 2 BACKWALL CONNECTION ANGLES
12 PCS	DI APHRAGMS - C12X20.7 - 3'-3 1/2"
2 PCS	BACKWALL PLATE - P 3/8" X 29" X 16'-0"
16 PCS	BEARING PLATE - P 8" X 18"
14 PCS	8"X8" TIMBER CURB @ 10'-0"
255 PCS	3"X6" TIMBER DECK @ 13'-4"
212 PCS	GALV P 1/8" X 3" X 6 1/2" FLOOR CLIP
3 BOXES	50 LB BOX OF 50d NAILS
1 BOX	50 LB BOX OF 30d NAILS
36 PCS	5/8" Ø X 14 3/4" GALV BOLT WITH P 1/4X4X4 PLATE WASHER AND NUT
106 PCS	3/4" Ø X 2" A325 TYPE 1 GALVANI ZED BOLT, NUT AND WASHER
16 PCS	3/4" Ø X 16" GALVANI ZED ANCHOR BOLT WITH NUT AND WASHER



BACKWALL PLATE
3/8" PLATE
2 REQ'D

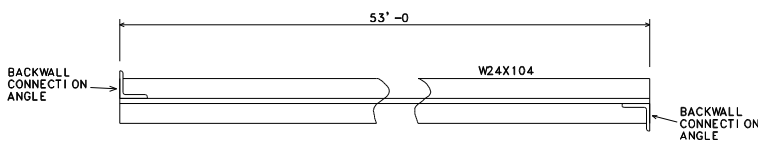


ANCHOR BOLT LAYOUT



BOLTED DIAPHRAGM DETAIL

12 REQ'D



STRINGER DETAIL

4 REQ'D

GENERAL NOTES

ALL STEEL BEAM BRIDGE

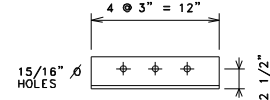
BRIDGE DESIGNED IN COMPLIANCE WITH
AASHTO HS-20-44 LOADING

ALL SUPERSTRUCTURE STRUCTURAL STEEL
ASTM A572 GR 50 GALVANI ZED STEEL

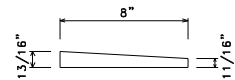
ALL WELDING PERFORMED IN COMPLIANCE
WITH AMERICAN WELDING SOCIETY
SPECIFICATIONS AND ACCOMPLISHED
WITH ELECTRODE CLASS E7028

3"X6" NOMINAL WOOD STRIP FLOOR SOUTHERN
YELLOW PINE GRADE NO. 2 OR BETTER CCA
TREATED 0.4 LBS PENETRATION

ALL STRUCTURAL BOLTS TO BE ASTM A325
TYPE 1 GALVANI ZED UNLESS OTHER NOTED

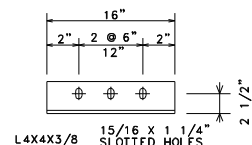


L4X4X3/8
24 REQ'D



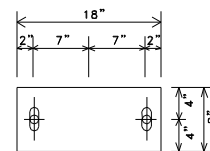
BEARING PLATE BEVEL DIAGRAM

NOTE - BEVELED FOR 2 PERCENT GRADE



BACKWALL CONNECTION DETAIL

8 REQ'D



BEARING PLATE DETAIL

FIXED END (LOWER ELEVATION)

4 PCS - P 1" X 8" X 18" WITH 1 1/8" Ø HOLES
BEVELED AS PER DIAGRAM - TOP PLATES
4 PCS - P 3/4" X 8" X 18" WITH 1 1/8" Ø HOLES
BOTTOM PLATES

EXPANSION END (HIGHER ELEVATION)

4 PCS - P 1" X 8" X 18" WITH 1 1/8" X 3" SLOTTED HOLES
BEVELED AS PER DIAGRAM - TOP PLATES
4 PCS - P 3/4" X 8" X 18" WITH 1 1/8" Ø HOLES
BOTTOM PLATES

DECOULOS & COMPANY
248 ANDOVER ST, PEABODY, MA 01960
WWW.DECOULOS.COM
978 532 8154

PROPOSED BRIDGE DETAILS
MAP 12, PARCEL 38 (SET-OFF LOT 232)
AQUINNAH, MASSACHUSETTS

DATE
2/15/01
SCALE
NTS
FIGURE NO.
9