

The Commonwealth of Massachusetts



No. 14829

Whereas, Town of Arlington Park and Recreation Commission

of -- Arlington -- in the County of -- Middlesex -- and Commonwealth aforesaid, has applied to the Department of Environmental Protection for license to -- install and maintain bank stabilization around portion of Spy Pond and construction and maintain two pile-supported overlook structures, as further described below -----

and has submitted plans of the same; and whereas due notice of said application, and of ~~the time and place fixed for a hearing thereon~~, has been given, as required by law, to the -- Board of Selectman and Town of Administrator--- of the --- Town of Arlington; -----

NOW, said Department, having heard all parties desiring to be heard, and having fully considered said application, hereby, subject to the approval of the Governor, authorizes and licenses the said -----

Town of Arlington Park and Recreation Commission -- subject to the provisions of the ninety first chapter of the General Laws, and of all laws which are or may be in force applicable thereto, to -- stabilize 1,530-linear feet of bank by staking coir fascines and regrading the existing bank to achieve a 3:1 slope, repair and install approximately 200-square feet of rock aprons in three (3) isolated areas for drainage outfall protection, and construct and maintain two (2) timber pile-supported public overlooks with associated deck ramps with a total area of approximately 340-square foot within Chapter 91 jurisdiction -----

in and over waters of the -- Spy Pond -- at 0 Park Lane -- in the -- Town of Arlington-- and in accordance with the locations shown and details indicated on the accompanying License Plan No. 14829, Sheets 1 through 15, prepared by Hatch Associates Consultants, Inc. -----

No specific Legislative Authorizations and/or Licenses have been previously issued for the project site.

The structures authorized hereby shall be limited to the following uses: shoreline stabilization and public access to waterfront open space for passive recreational purposes.

The structures authorized pursuant to this License are valid for an unlimited term pursuant to 310 CMR 9.15(1)(c). The Department may amend the license to authorize a structural alteration upon written request by the licensee accompanied by appropriate plans.

This License is subject to the following Special Conditions and Standard Conditions:

Special Condition 1: The Licensee shall maintain all structures in accordance with the terms and conditions specified herein or this license may expire, pursuant to 310 CMR 9.25(1)(c).

Special Condition 2: Issuance of this authorization does not relieve the Licensee of the obligation to comply with all other applicable state and/or federal statutes or regulations. Any changes made to the project authorized herein will require further notification to and approval by the Department in accordance with the 310 CMR 9.05(1), 9.22(3) or 9.24.

Special Condition 3: All structures authorized under this License shall be constructed to meet the Engineering and Construction Standards pursuant to 310 CMR 9.37.

Special Condition 4: The Licensee shall allow agents of the Department to enter the project site to verify compliance with the conditions of this License.

Special Condition 5: All work authorized herein shall be completed within five (5) years of the date of license issuance. Said construction period may be extended by the Department for one or more one year periods without public notice, provided that the Applicant submits to the Department thirty (30) days prior to the end of the construction period, a written request to extend the period and provides adequate justification for said extension.

Special Condition 6: The Licensee shall request in writing that the Department issue a Certificate of Compliance within sixty (60) days completion of the licensed project, but in no event later than five (5) year from the date of license issuance, or any extension thereof, in accordance with 310 CMR 9.19(1). The request shall be accompanied by a certification by a registered professional engineer licensed to do business in the Commonwealth that the project was completed in accordance with the plans, specifications, and conditions of this License.

Please see Page 4 for additional conditions to this License

Duplicate of said plan, License Number 14829 on file in the office of said Department, and original of said plan accompanies this License, and is to be referred to as a part hereof.

STANDARD WATERWAYS LICENSE CONDITIONS

1. Acceptance of this Waterways License shall constitute an agreement by the Licensee to conform with all terms and conditions stated herein.
2. This License is granted upon the express condition that any and all other applicable authorizations necessitated due to the provisions hereof shall be secured by the Licensee prior to the commencement of any activity or use authorized pursuant to this License.
3. Any change in use or any substantial structural alteration of any structure or fill authorized herein shall require the issuance by the Department of a new License in accordance with the provisions and procedures established in Chapter 91 of the Massachusetts General Laws. Any unauthorized substantial change in use or unauthorized substantial structural alteration of any structure or fill authorized herein shall render this License void.
4. This License shall be revocable by the Department for noncompliance with the terms and conditions set forth herein. This License may be revoked after the Department has given written notice of the alleged noncompliance to the Licensee and those persons who have filed a written request for such notice with the Department and afforded them a reasonable opportunity to correct said noncompliance. Failure to correct said noncompliance after the issuance of a written notice by the Department shall render this License void and the Commonwealth may proceed to remove or cause removal of any structure or fill authorized herein at the expense of the Licensee, its successors and assigns as an unauthorized and unlawful structure and/or fill.
5. The structures and/or fill authorized herein shall be maintained in good repair and in accordance with the terms and conditions stated herein and the details indicated on the accompanying license plans.
6. Nothing in this License shall be construed as authorizing encroachment in, on or over property not owned or controlled by the Licensee, except with the written consent of the owner or owners thereof. The Licensee stated that the Town of Arlington was the property owner at the time the application was submitted.
7. This Waterways License is granted subject to all applicable Federal, State, County, and Municipal laws, ordinances and regulations including but not limited to a valid final Order of Conditions issued pursuant to the Wetlands Protection Act, M.G.L. Chapter 131, §40.
8. This License is granted upon the express condition that the use of the structures and/or fill authorized hereby shall be in strict conformance with all applicable requirements and authorizations of the MassDEP.
9. This License authorizes structure(s) and/or fill on:

_____ Private Tidelands - In accordance with the public easement that exists by law on private tidelands, the Licensee shall allow the public to use and to pass freely upon the area of the subject property lying between the high and low water marks, for the purposes of fishing, fowling, navigation, and the natural derivatives thereof.

_____ Commonwealth Tidelands - The Licensee shall not restrict the public's right to use and to pass freely, for any lawful purpose, upon lands lying seaward of the low water mark. Said lands are held in trust by the Commonwealth for the benefit of the public.

X _____ Great Pond of the Commonwealth - The Licensee shall not restrict the public's right to use and to pass freely upon lands lying seaward of the high water mark for any lawful purpose.

_____ Navigable River or Stream - The Licensee shall not restrict the public's right to use and to pass freely, for any lawful purpose, in the waterway.

No restriction on the exercise of these public rights shall be imposed unless otherwise expressly provided in this License.

10. Unless otherwise expressly provided by this License, the Licensee shall not limit the hours of availability of any areas of the subject property designated for public passage, nor place any gates, fences, or other structures on such areas in a manner that would impede or discourage the free flow of pedestrian movement thereon.

Spy Pond Bank Stabilization, Spy Pond, Arlington, Middlesex County

~~The amount of tidewater displaced by the work hereby authorized has been ascertained by said Department, and compensation thereof has been made by the said -- Town of Arlington Park and Recreation Commission -- by paying into the treasury of the Commonwealth -- (N/A) -- for each cubic yard so displaced, being the amount hereby assessed by said Department (N/A).~~

Nothing in this License shall be so construed as to impair the legal rights of any person.

This License shall be void unless the same and the accompanying plan are recorded within 60-days from the date hereof, in the Registry of Deeds for the South District -- of the County of -- Middlesex --

IN WITNESS WHEREAS, said Department of Environmental Protection have hereunto set their hands this 7th day of May in the year two thousand nineteen.

Commissioner



Section Chief



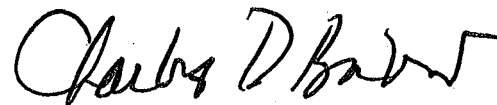
Department of
Environmental Protection

THE COMMONWEALTH OF MASSACHUSETTS

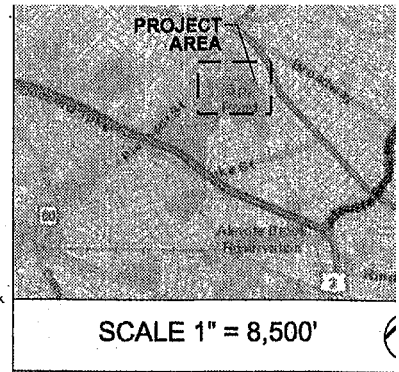
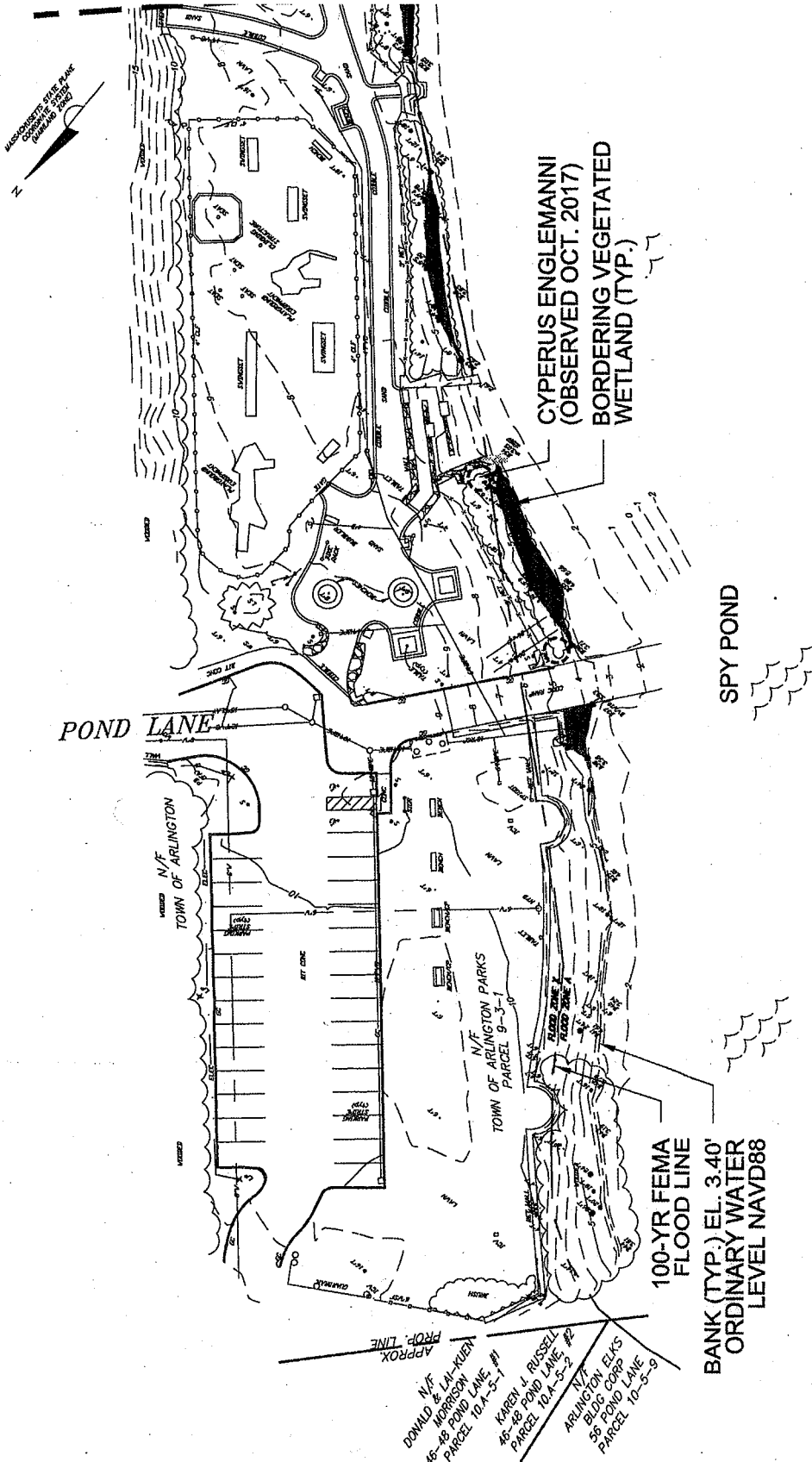
This License is approved in consideration of the payment into the treasury of the Commonwealth by the said -- Town of Arlington Park and Recreation Commission -- the further sum of -- (*exempt pursuant to 310 CMR 9.16(4)(a)*) -- the amount determined by the Governor as a just and equitable charge for rights and privileges hereby granted in the land of the Commonwealth.

BOSTON,

Approved by the Governor.

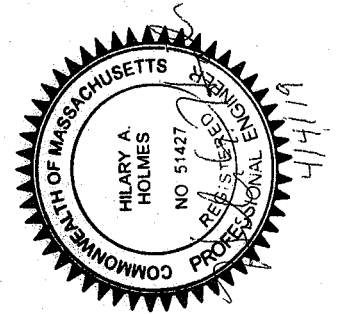


Governor



SCALE 1" = 8,500'

LOCUS PLAN



NOTES:

1. NO BASE FLOOD ELEVATION IS GIVEN ON FEMA MAP 25017C0417E.
2. TYPICAL ORDINARY WATER LEVEL IS ELEVATION 3.4' NAVD88 CORRESPONDING WITH THE OUTLET STRUCTURE WEIR ELEVATION.

EXISTING CONDITIONS PLAN - AREA 1: SPY POND PARK (NORTH)
SCALE 1" = 600.0'

0 30
SCALE 1" = 600.0'
SHEET 1 OF

PLANS ACCOMPANYING PETITION OF ARLINGTON PARKS AND RECREATION COMMISSION TO RESTORE EXISTING BANK AND INSTALL TWO NEW TIMBER OVERLOOKS AT SPY POND, IN ARLINGTON, MA

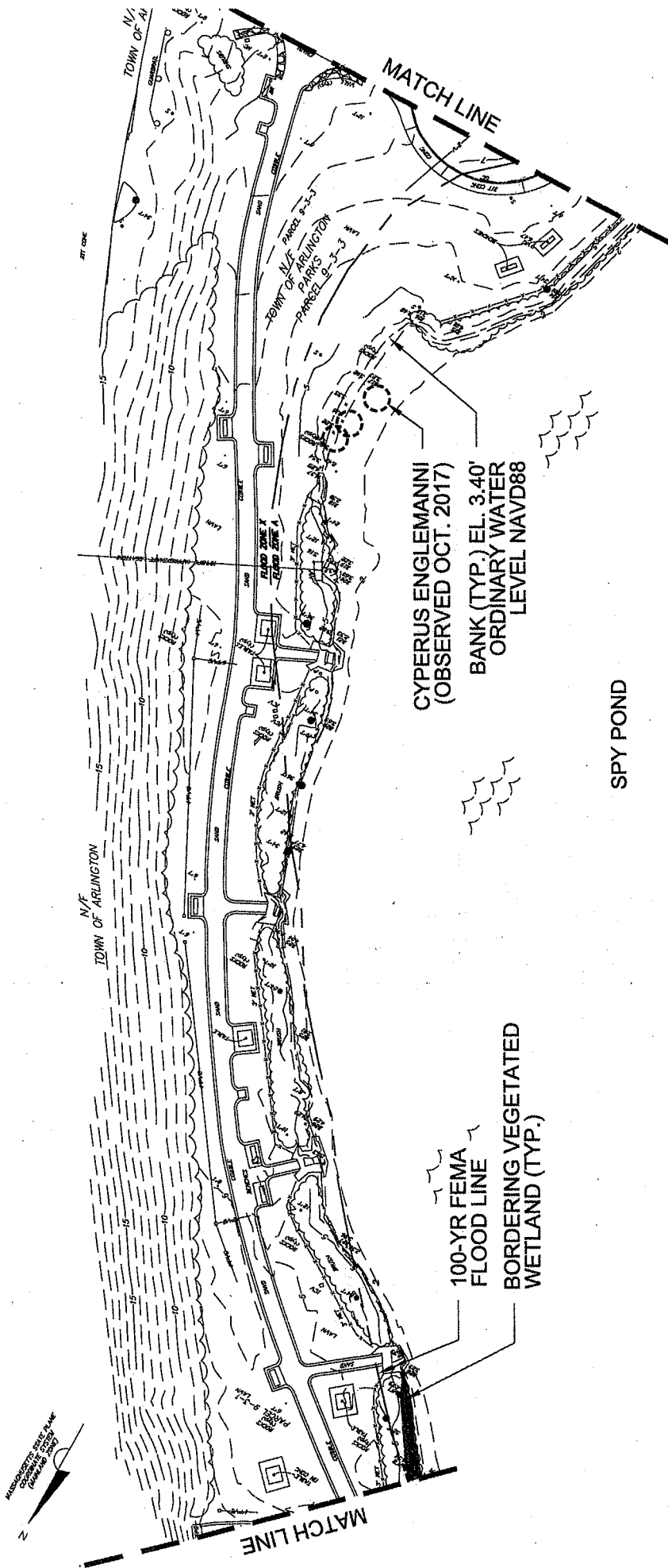
PREPARED BY
HATCH ASSOCIATES CONSULTANTS, INC.
SALEM, MA

LICENSE PLAN NO. **14829**

Approved by Department of Environmental Protection
of Massachusetts

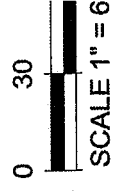
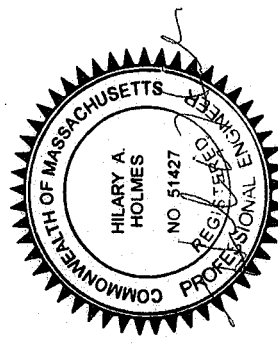
MAY - 7 2019

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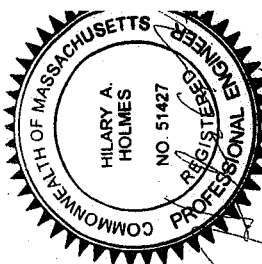
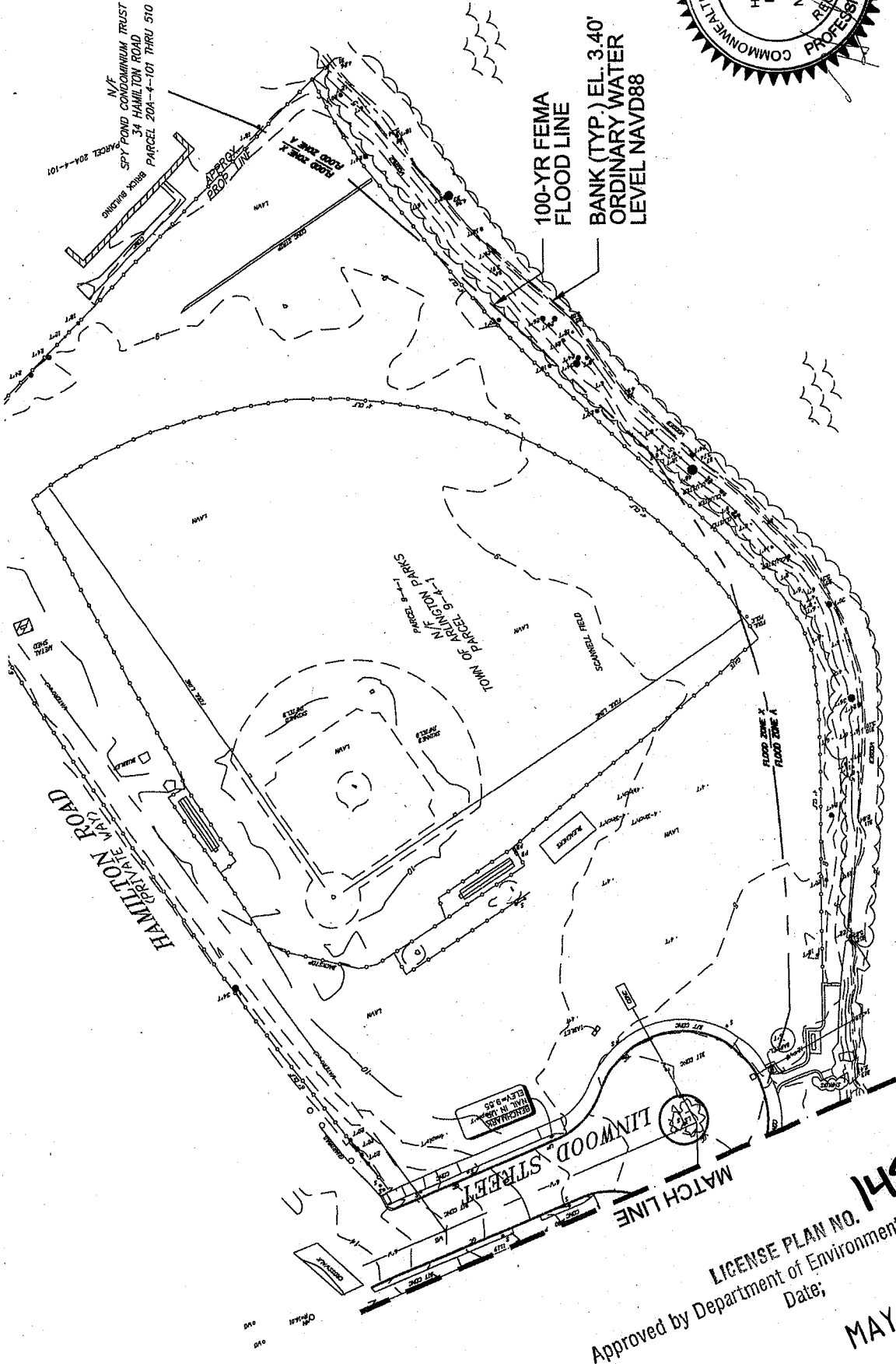


NOTE:
1. SEE SHEET 1 FOR GENERAL NOTES.

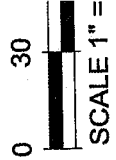
14829
 LICENSE PLAN NO.
 Approved by Department of Environmental Protection
 Date, MAY - 7 2019



EXISTING CONDITIONS PLAN - AREA 2: SPY POND PARK (SOUTH)
 SCALE: 1" = 60'-0"



NOTE:
1. SEE SHEET 1 FOR GENERAL NO.



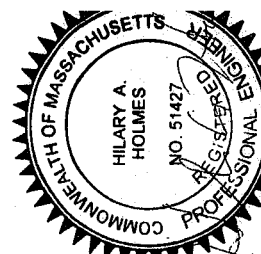
SPY POND

EXISTING CONDITIONS PLAN - AREA 3: SCANNELL FIELD
SCALE: 1" = 60'-0"

LICENSE PLAN NO. 14829
Approved by Department of Environmental Protection
Date: MAY 7 2019

Approved by Department of Environmental Protection

MAY - 7 2019



6/15/19

0 25

SCALE 1" = 50'

1. SEE SHEET 1 FOR GENERAL NOTES.

SPY POND

EXISTING CONDITIONS PLAN - AREA 4: BOYS AND GIRLS CLUB

SCALE: 1" = 50'-0"

LICENSE PLAN NO. 14829

Approved by Department of Environmental Protection
Date;

MAY - 7 2019

MASSACHUSETTS STATE PLANE
COORDINATE SYSTEM



SPY POND

100-YR FEMA
FLOOD LINE

BANK (TYP.) EL. 3.40'
ORDINARY WATER
LEVEL NAVD88

0 30

SCALE 1" = 40'

PARCEL 122-5-168

N/F
MARIANNE C.D. BARBERA
25487/1
#19 LAKE VIEW

PROP. LINE

BENCHMARK
NAIL IN UP
ELEV=18.93

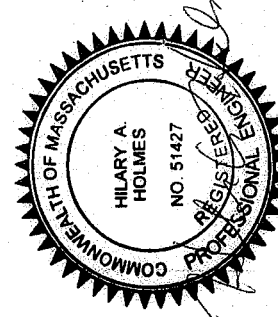
N/F
MARK E. BOUDREAU &
KATHRYN M. ZEILER
66477/63
#17 LAKE VIEW
PARCEL 122-5-17

N/F
MATTHEW S. &
KATHRYN M. JENNINGS
66046/408
#17 LAKE VIEW
PARCEL 122-5-15

SPRING VALLEY

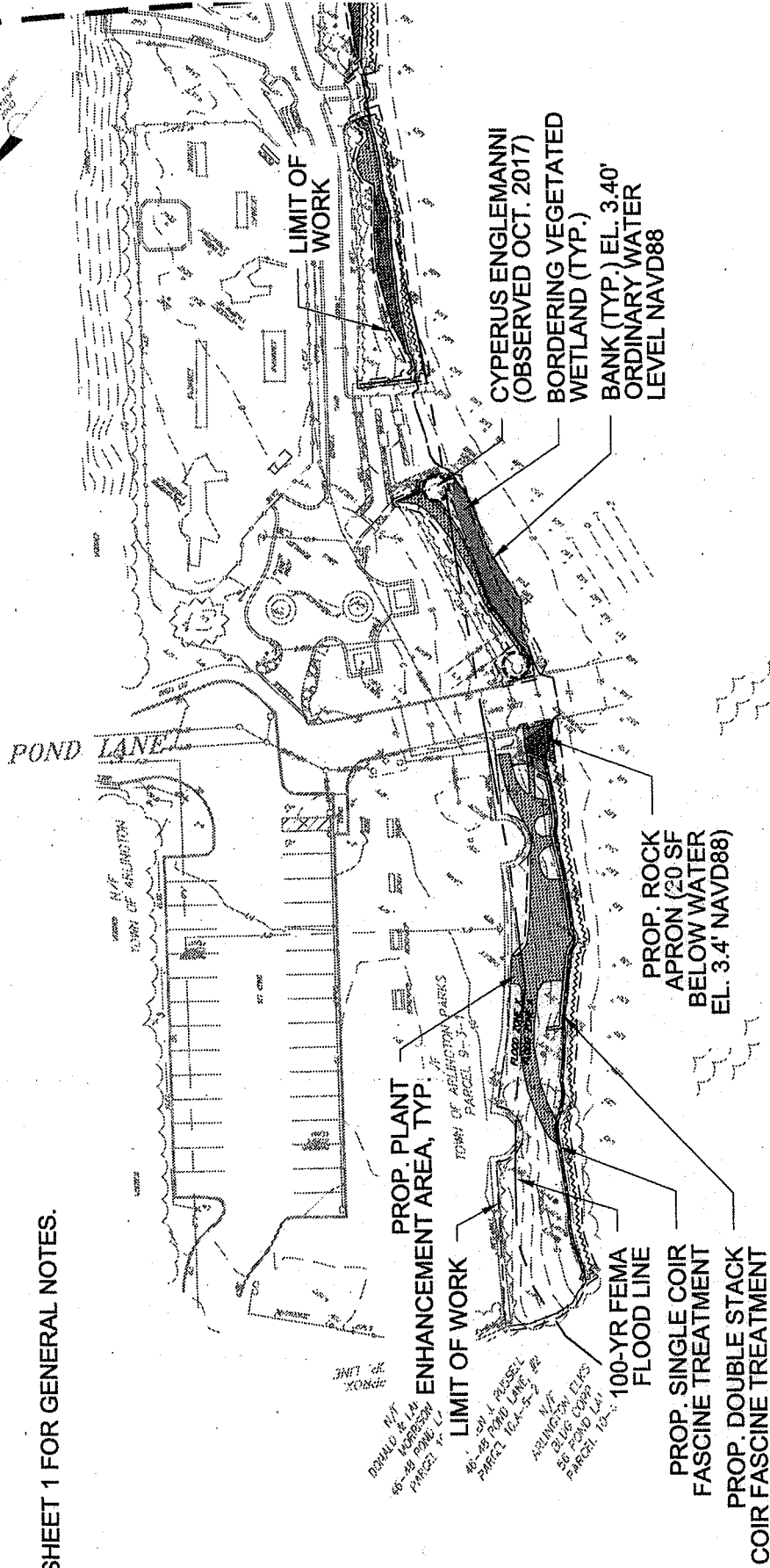
NOTE:
1. SEE SHEET 1 FOR GENERAL NOTES.

EXISTING CONDITIONS PLAN AREA 5: SPRING VALLEY
SCALE: 1" = 40'-0"



NOTE:

1. SEE SHEET 1 FOR GENERAL NOTES.



SPY POND

14829

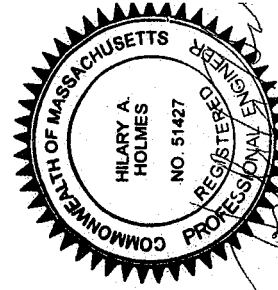
LICENSE PLAN NO.

Approved by Department of Environmental Protection
Date;

MAY 7 2019

PROPOSED CONDITIONS PLAN - AREA 1: SPY POND PARK (NORTH)

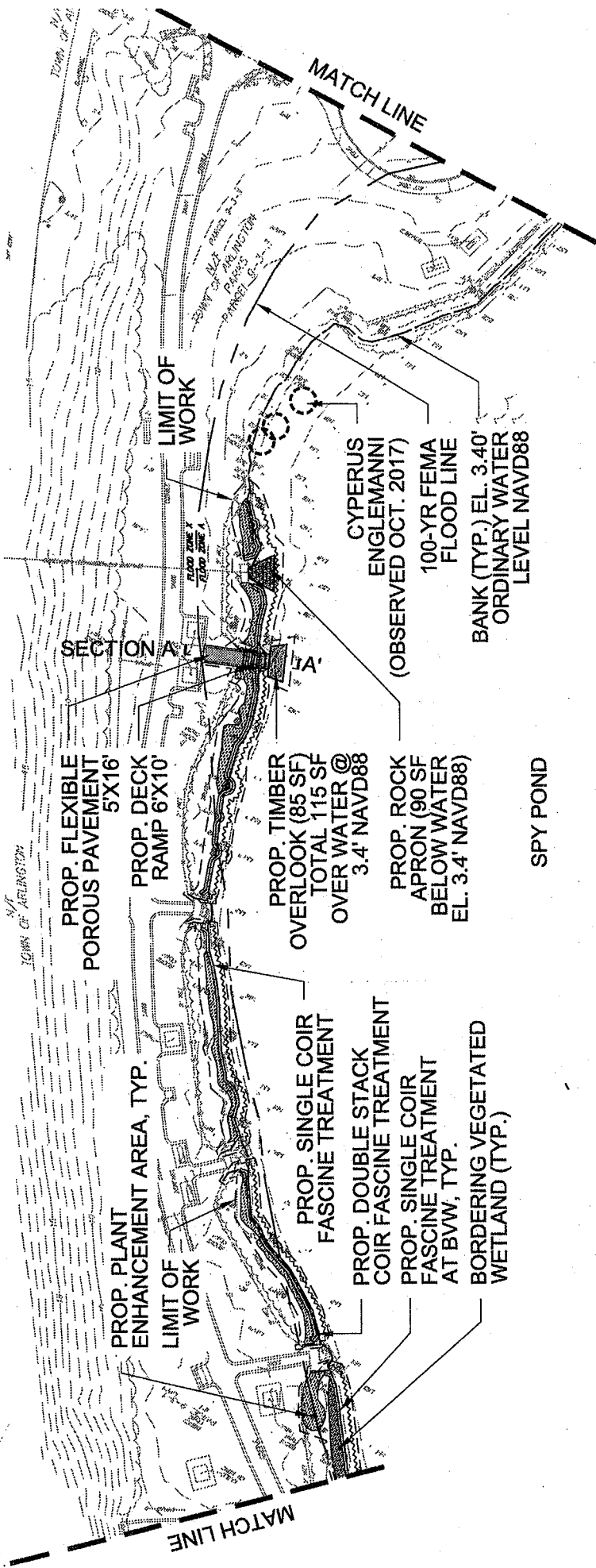
SCALE: 1" = 60'-0"



4/4/19

0 30

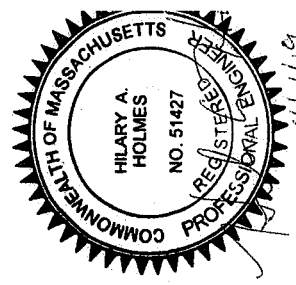
SCALE 1" =



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LICENSE PLAN NO.
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Date;

MAY - 7 2019



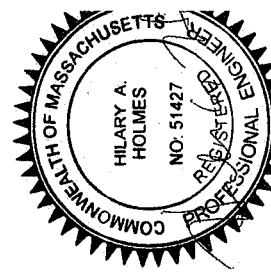
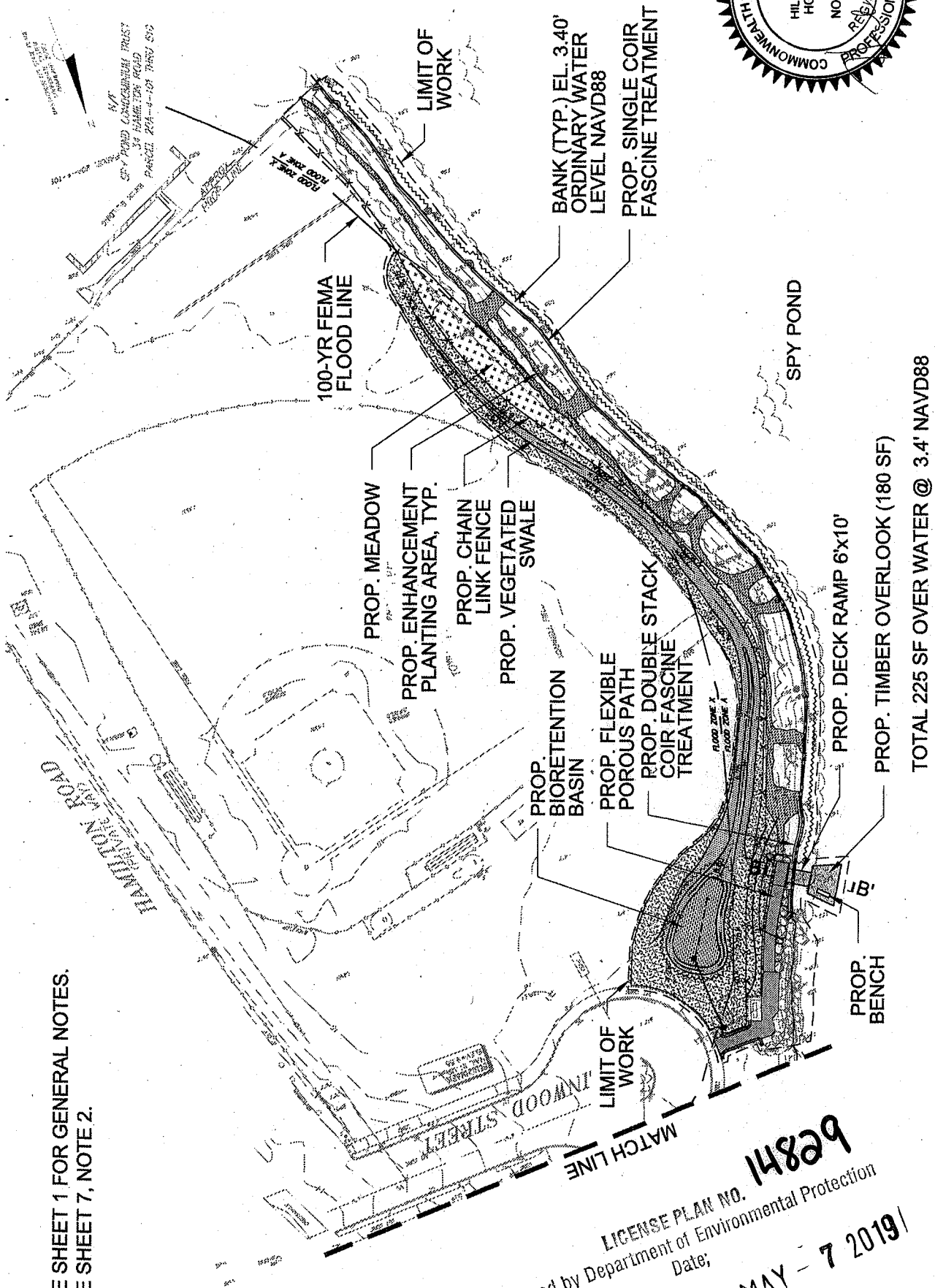
0 30
SCALE 1" =

- NOTE:**
1. SEE SHEET 1 FOR GENERAL NOTES.
 2. HELICAL PILING FOR TIMBER OVERLOOKS (2) ARE PROPOSED AND SHOWN IN DETAIL ON SHEET 13 AND 14. NO SUBSTITUTIONS SHALL BE MADE WITHOUT THE REVIEW AND WRITTEN AUTHORIZATION GRANTED BY THE NATURAL HERITAGE ENDANGERED SPECIES PROGRAM (NHESP) REPRESENTATIVES, MASSACHUSETTS DIVISION OF FISHERIES AND WILDLIFE (508.389.6360).

PROPOSED CONDITIONS PLAN - AREA 2: SPY POND PARK (SOUTH)
SCALE: 1" = 60'-0"

NOTE:

1. SEE SHEET 1 FOR GENERAL NOTES.
2. SEE SHEET 7, NOTE 2.



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SCALE 1" = 60'

PROPOSED CONDITIONS PLAN - AREA 3: SCANNELL FIELD
SCALE: 1" = 60'-0"

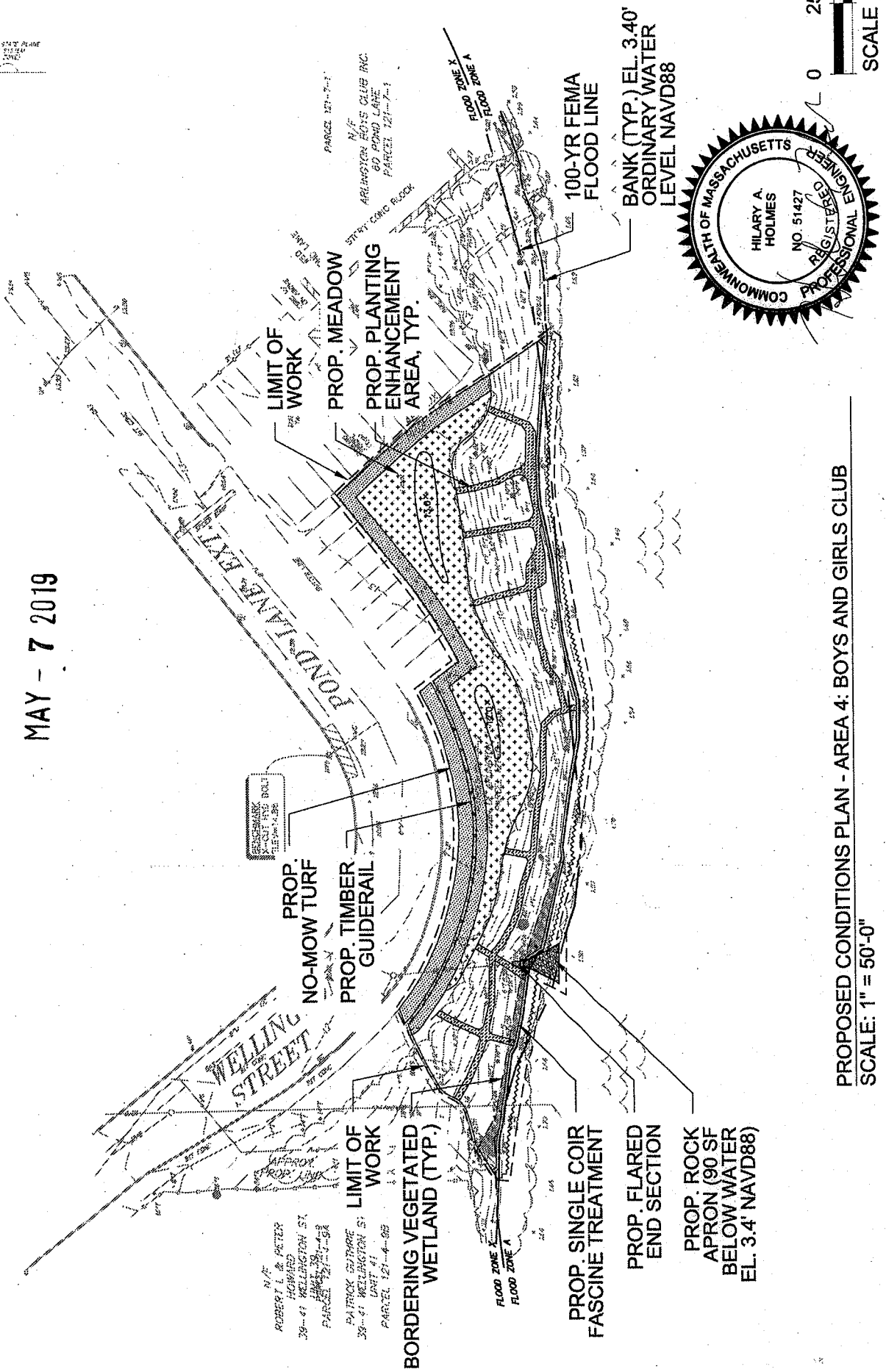
Approved by Department of Environmental Protection
Date: MAY - 7 2019

NOTE:

1. SEE SHEET 1 FOR GENERAL NOTES.

LICENSE PLAN NO. 14829
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Date;

MAY - 7 2019

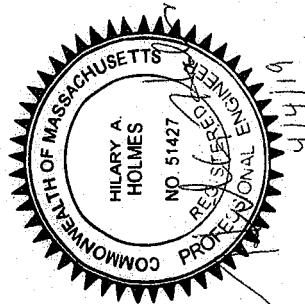
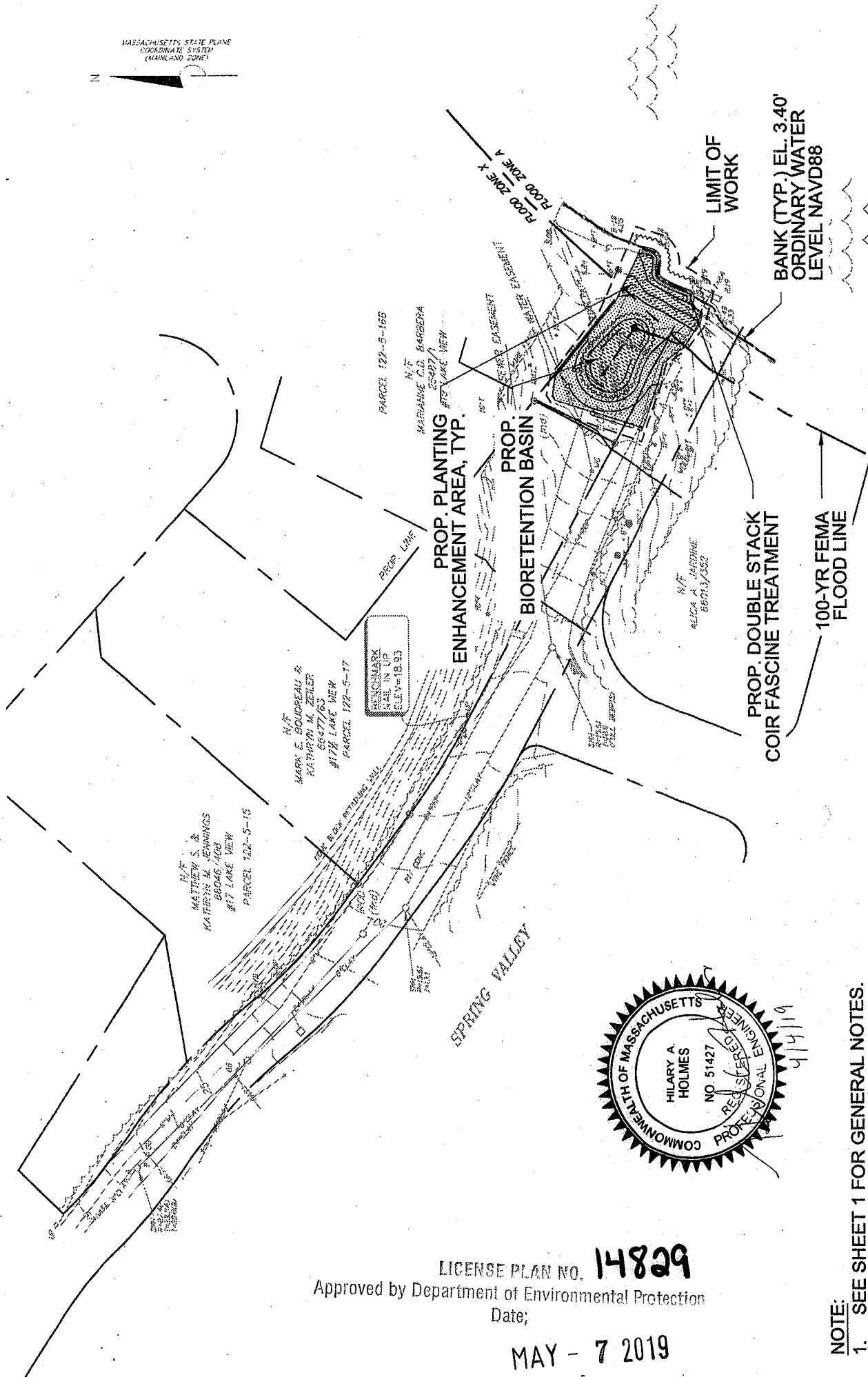


PROPOSED CONDITIONS PLAN - AREA 4: BOYS AND GIRLS CLUB
SCALE: 1" = 50'-0"



0 20

SCALE 1" = 40'-0"

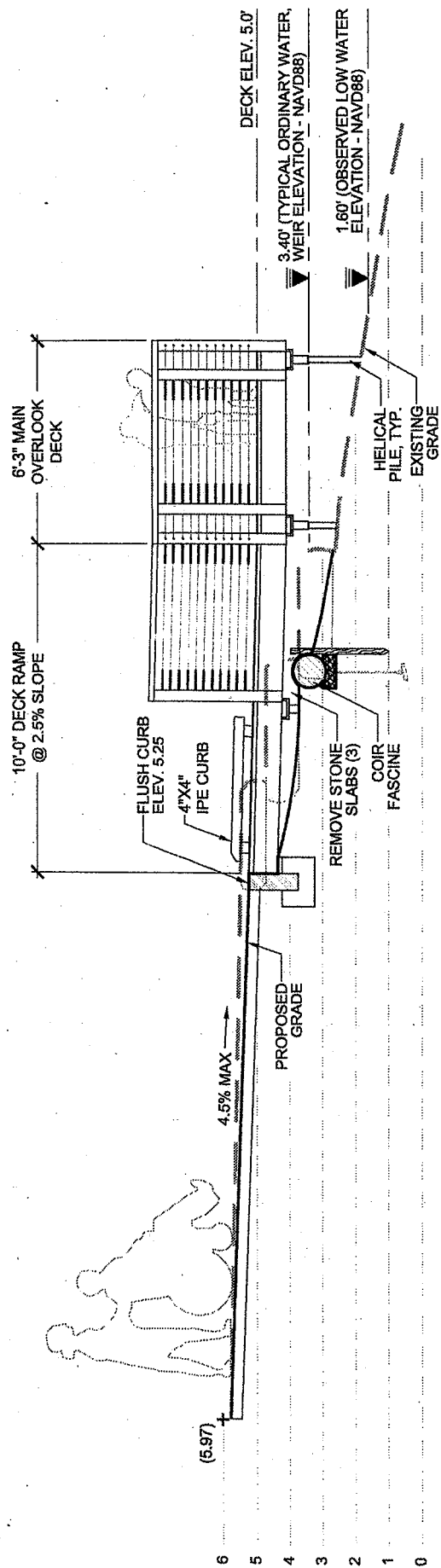


LICENSE PLAN NO. **14829**
Approved by Department of Environmental Protection
Date;

MAY - 7 2019

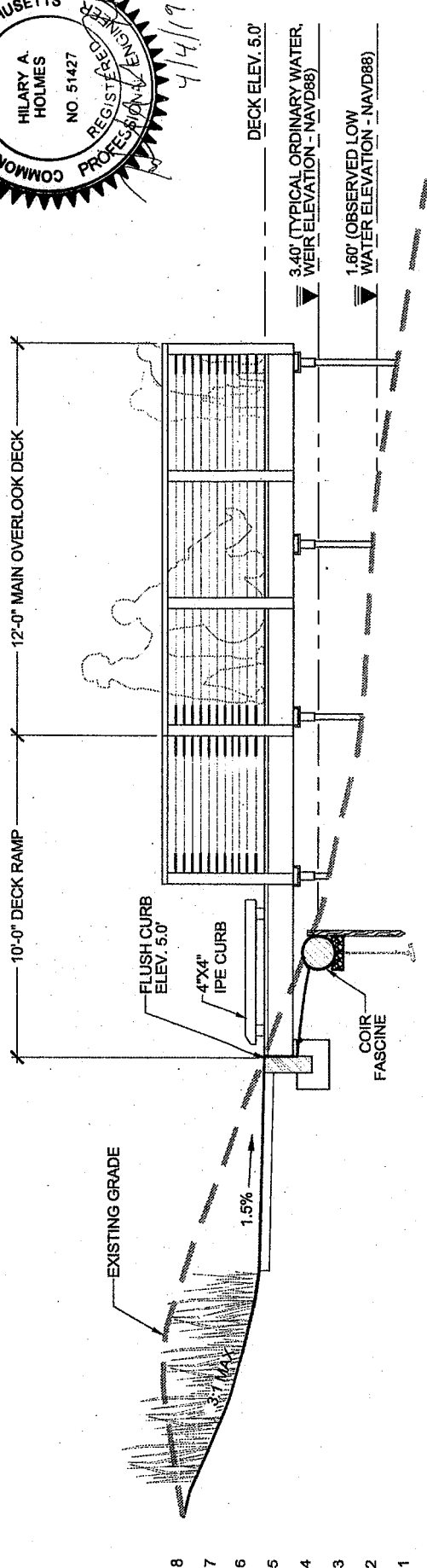
NOTE:
1. SEE SHEET 1 FOR GENERAL NOTES.

PROPOSED CONDITIONS PLAN - AREA 5: SPRING VALLEY
SCALE: 1" = 40'-0"



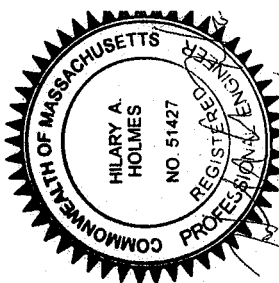
SECTION A-A: TIMBER OVERLOOK (NORTH)

SCALE: 1"=5'-0"

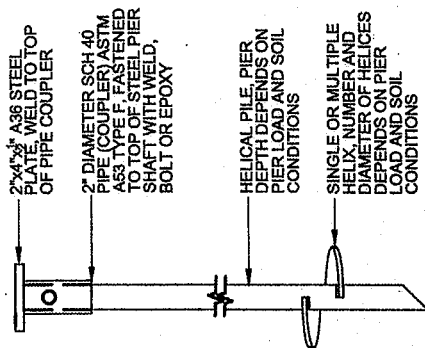
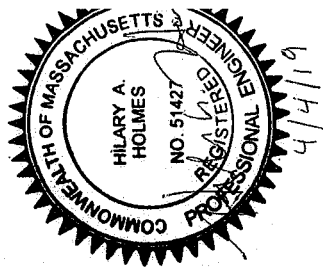


SECTION B-B: TIMBER OVERLOOK (SOUTH)

SCALE: 1"=5'-0"

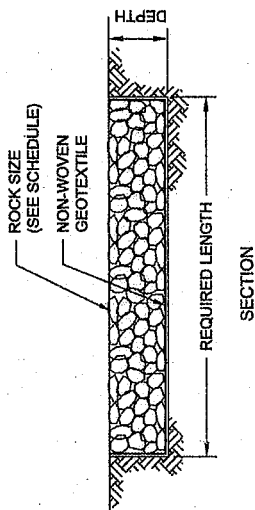
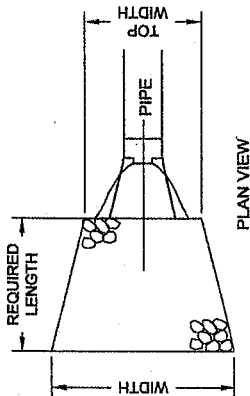


LICENSE PLAN NO. **14829**
 Approved by Department of Environmental Protection
 Date; **MAY - 7 2019**



HELICAL PILE

HELICAL PILE
SCALE: NTS



ROCK APRON DESIGN SCHEDULE

DISCHARGE PIPE LOCATION	APRON TYPE	PIPE DIA. (IN)	TOP WIDTH (FT)	LENGTH (FT)	WIDTH (FT)	ROCK SIZE	REQUIRED DEPTH (FT)
SPY POND PARK (NORTH)	RIPRAP	18	4.5	10	14.5	D50=6"	1.5
SPY POND PARK (SOUTH)	RIPRAP	18	4.5	10	14.5	D50=6"	1.5
NEAR BOYS & GIRLS CLUB	RIPRAP	12	3	11	14	D50=6"	1.5

ROCK APRON
SCALE: NTS

14829

LICENSE PLAN NO.

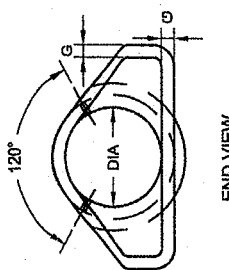
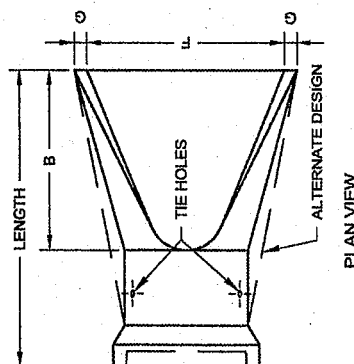
Approved by Department of Environmental Protection

Date;

MAY 7 2019

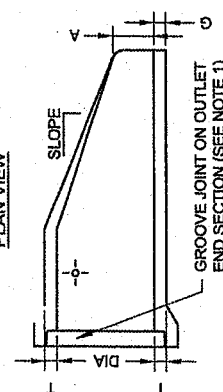
PIPE DIA	LENGTH	SLOPE	T	A	B	F	G	WEIGHT/SECTION (LBS)
12"	6'-0"	1V:3H	2'	4'	24"	24"	2'	530

TIE BOLT HOLES ARE PROVIDED FOR THE INSTALLATION OF TIE BOLTS BETWEEN THE FLARED END SECTION AND THE ADJACENT PIPE.



NOTE:

THE JOINTS ARE TO BE COMPATIBLE WITH THE MAIN RUN OF PIPE. CONTRACTOR TO FIELD VERIFY PRIOR TO ORDERING FLARED END.

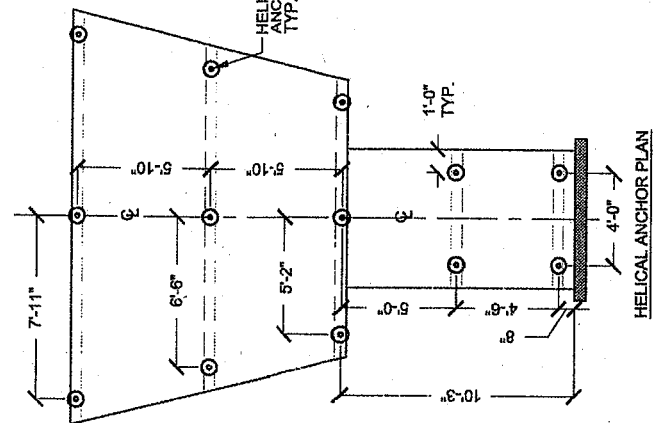
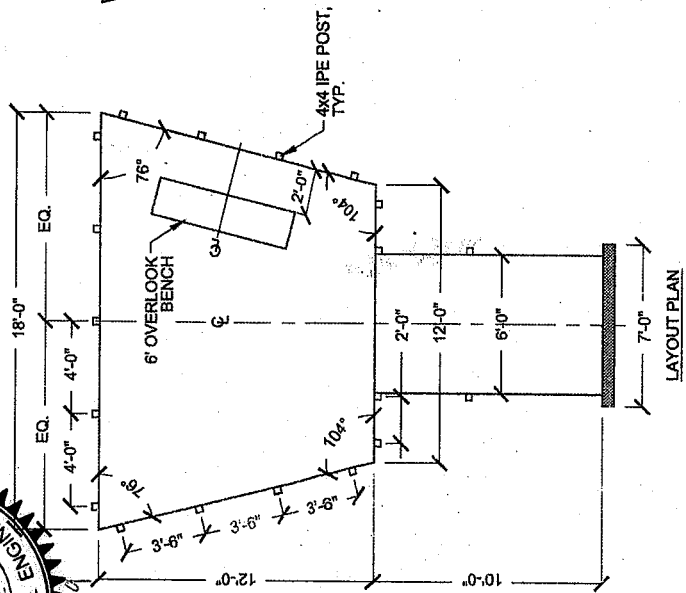
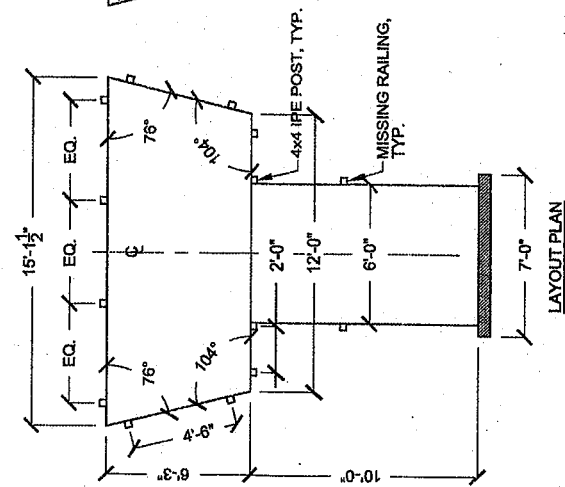
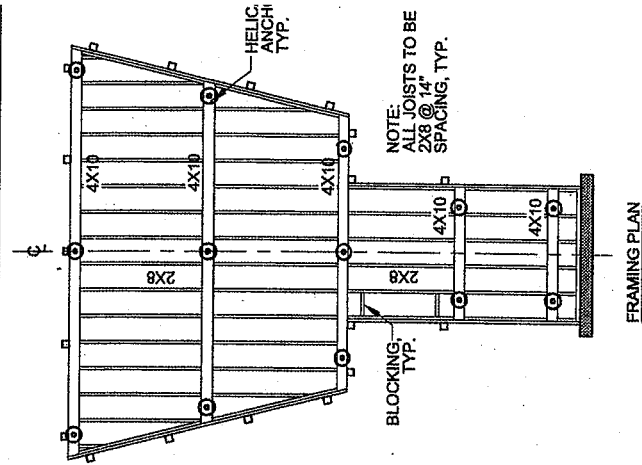
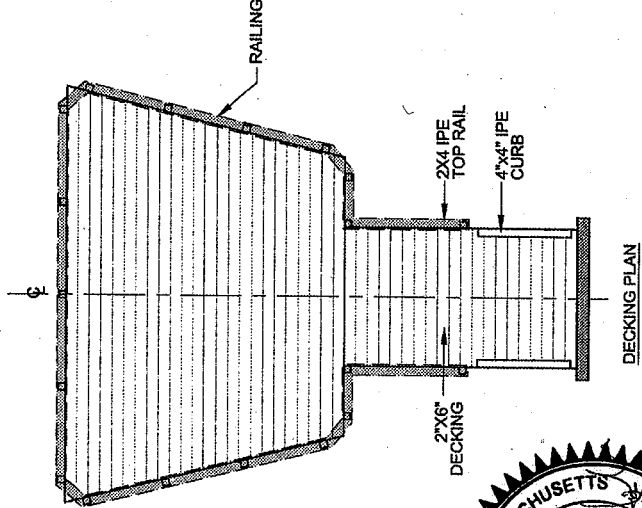
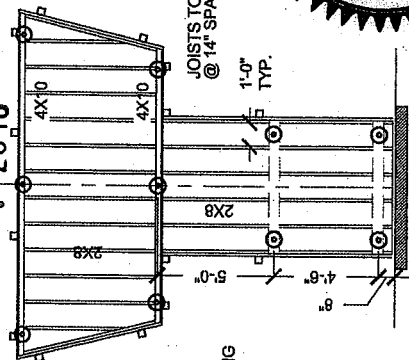
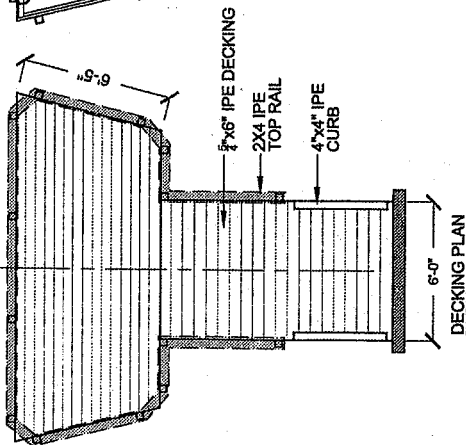


FLARED END OUTLET
SCALE: NTS

LICENSE PLAN NO. 14829

Approved by Department of Environmental Protection

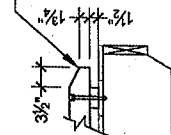
Date; MAY - 7th 2019



OVERLOOK STRUCTURE (NORTH)
SCALE: NTS

TIMBER OVERLOOK (SOUTH)
SCALE: NTS

4"x4" IPE CURB BOLTED TO 2"x4"x6" IPE BLOCK AND DECKING WITH 3/8" Ø CARRIAGE BOLT, TYP. COUNTERSINK CARRIAGE BOLT, TYP.



IPE CURB END TREATMENT

2"x8" PRESSURE TREATED JOISTS, FASTENED TO BEAM WITH SIMPSON STRONGTIE CO. JOIST HANGERS. SKEW AS REQUIRED AT PERIMETER JOISTS AND PROVIDE CONCEALED FLANGE HANGER

1"x8" IPE TRIM BOARD

4X10

5/4"x6" IPE DECKING, TYP.

#10 2 1/2" STAINLESS STEEL FLAT HEAD SCREW, 18 PER BOARD, 3/JOIST PLANKS, TYP.

4"x4" IPE CURB, FASTENED TO DECK WITH 3/8" Ø GALVANIZED LAG SCREWS AT 1'-6" (MAX) SPACING

BOARDWALK ABUTMENT

2

1-7

1-7

1-7

1-7

1-7

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LICENSE PLAN NO.

14829

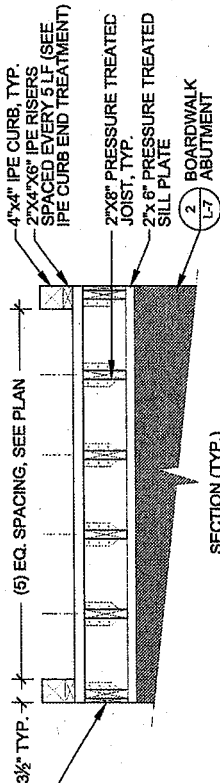
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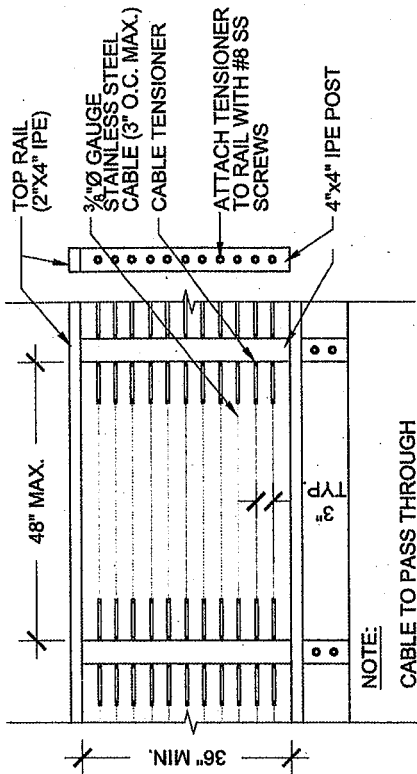
2"x8" PRESSURE TREATED JOIST WITH 1"x8" IPE TRIM BOARD ON EXTERIOR. USE CONCEALED FLANGE JOIST HANGER ON EXTERIOR. FASTEN RIM BOARD WITH 2"x4" LAG SCREWS @ 18" O.C. MAX

BOARDWALK STRUCTURE

SCALE: NTS



SECTION (TYP.)



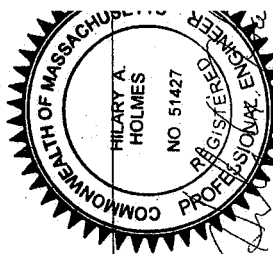
NOTE:

CABLE TO PASS THROUGH POSTS ON LONGER SPANS

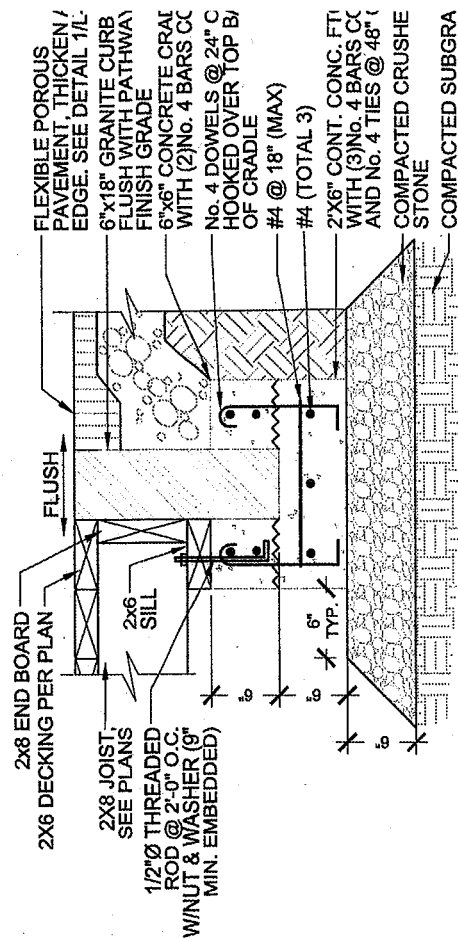
RAILING

OVERLOOK RAILING

SCALE: NTS

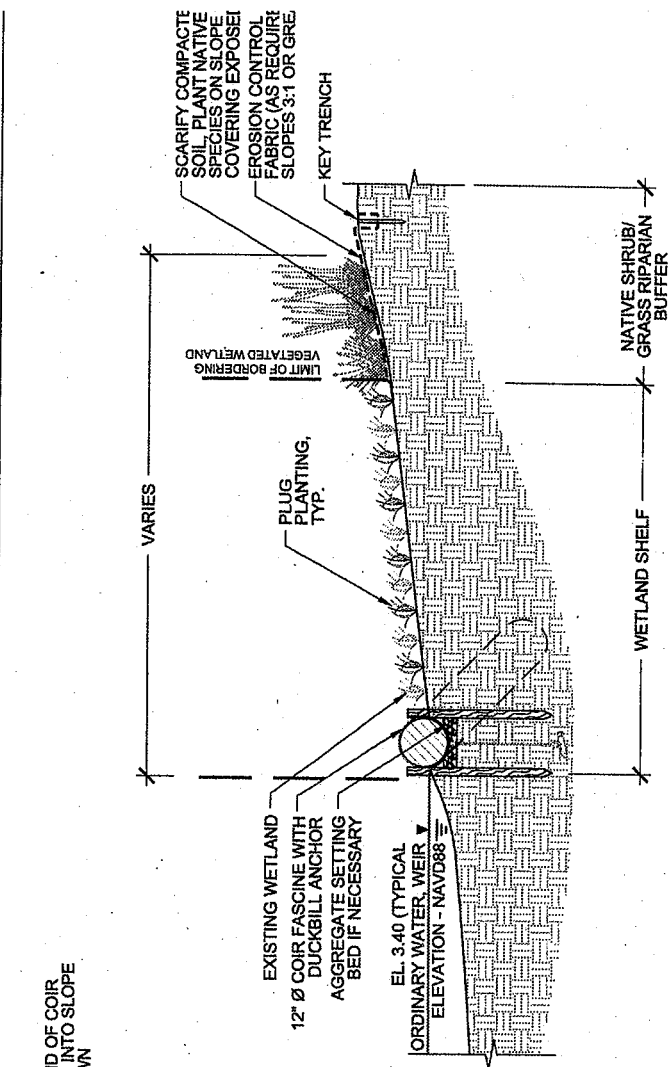


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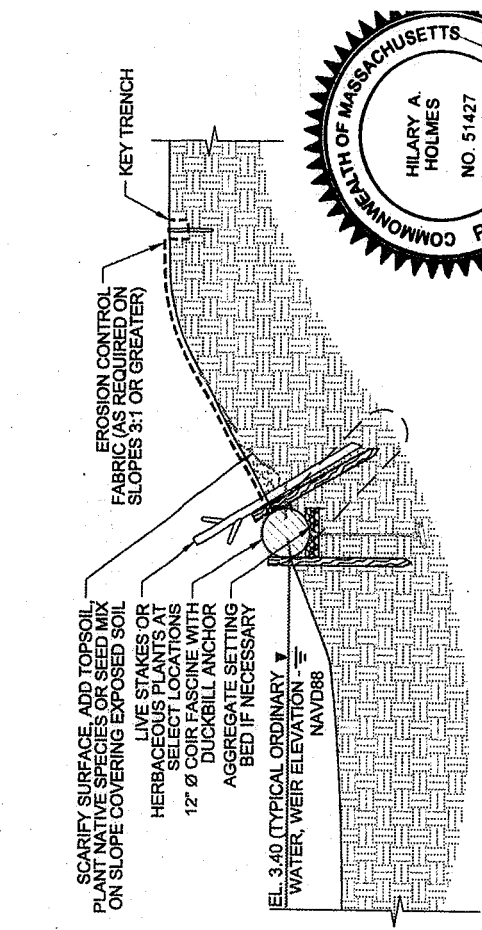


BOARDWALK ABUTMENT

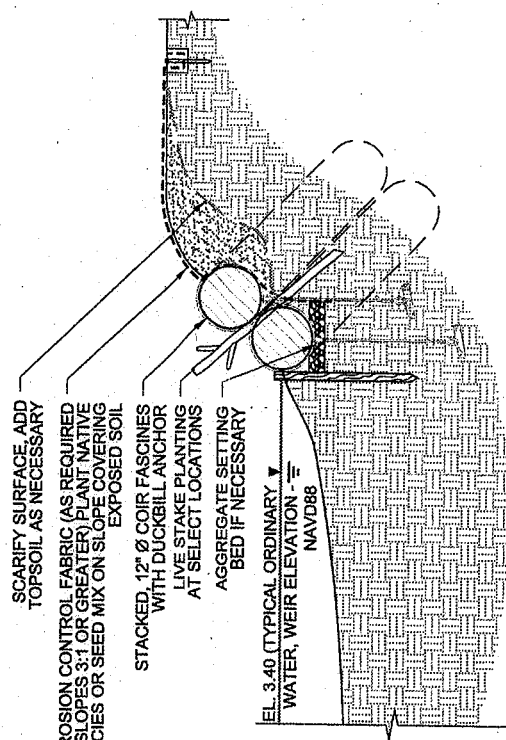
SCALE: NTS



COIR FASCINE END TREATMENT



TREATMENT A: SINGLE COIR FASCINE



TREATMENT B: SINGLE COIR FASCINE AT WETLAND

COIR FASCINE TREATMENTS
SCALE: NTS

