ilsf

Prepared by ANTHONY A. ESPOSITO
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Type III 24-hr 100YR cornell Rainfall=8.80"
Printed 5/7/2024

Summary for Pond 7P: wetland

[43] Hint: Has no inflow (Outflow=Zero)

Volume	Invert	Avail.Storage	Storage Description
#1	24.86'	10,160 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

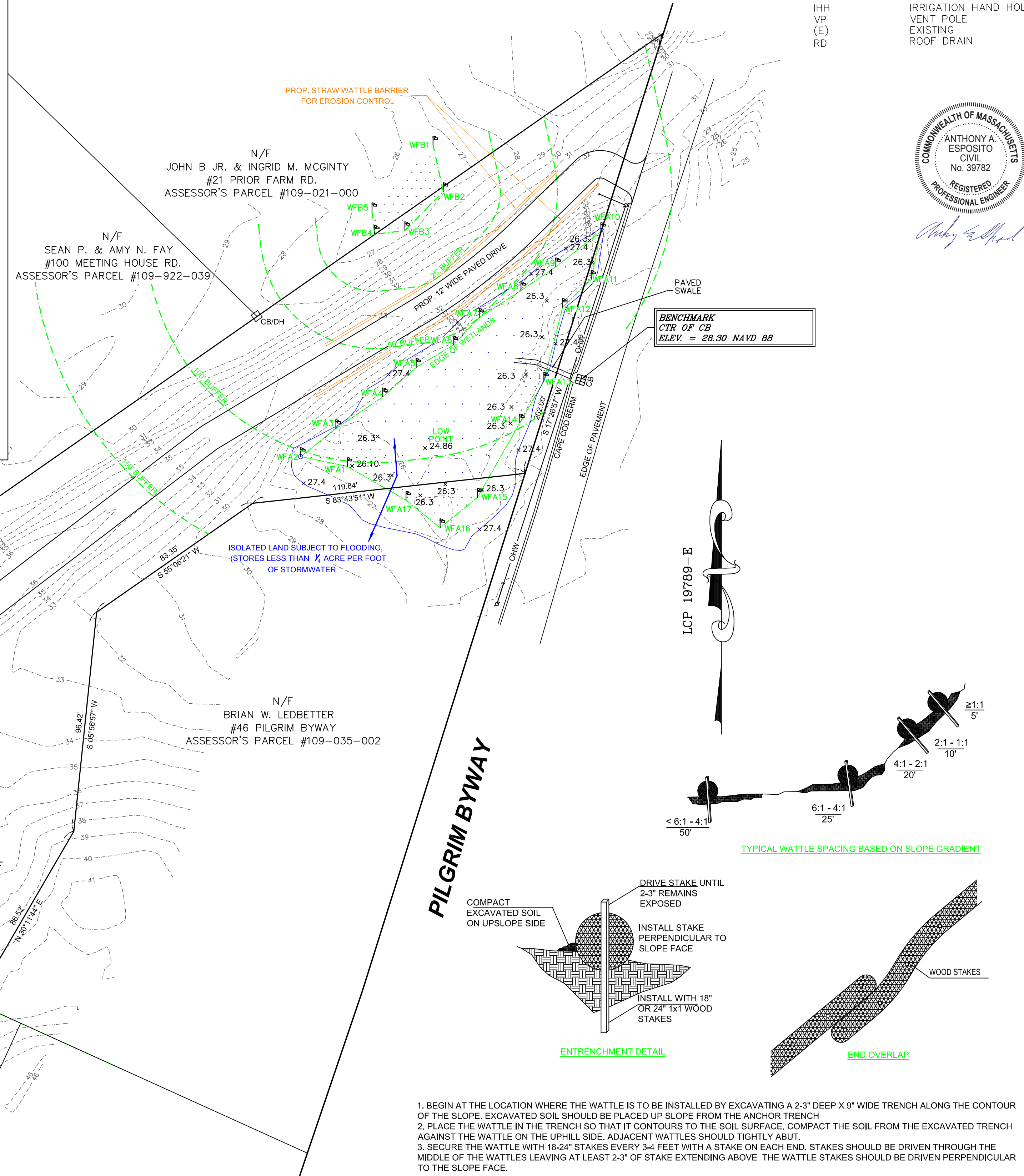| Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	
24.86	0	0	0	
24.90	3	0	0	
25.00	75	4	4	
25.10	256	17	21	
25.20	551	40	61	
25.30	867	71	132	
25.40	1,603	124	255	
25.50	1,877	174	429	
25.60	2,223	205	634	
25.70	2,824	252	887	
25.80	3,164	299	1,186	
25.90	3,353	326	1,512	
26.00	3,594	347	1,859	
26.10	3,806	370	2,229	
26.20	3,979	389	2,618	
26.30	4,155	407	3,025	
26.40	4,903	453	3,478	
26.50	5,377	514	3,992	
26.60	5,774	558	4,550	
26.70	6,161	597	5,146	
26.80	6,540	635	5,781	5,445 CF @ ELEV. 26.75
26.90	6,834	669	6,450	
27.00	7,051	694	7,144	
27.10	7,285	717	7,861	
27.20	7,531	741	8,602	
27.30	7,787	766	9,368	
27.40	8,053	792	10,160	10,890 CF = 1/4 ACFT

LOCUS INFORMATION:

ADDRESS: #0 PILGRIM BYWAY
OWNER: CHERYL A WHITE REVOCABLE TRUST
DEED REFERENCE: CERT. #125395
PLAN REFERENCE: LAND COURT PLAN #19789-E
ASSESSOR'S PARCEL #: 109-037- 015
LAND AREA: 28,330± SQ. FT. (0.65± ACRES)
ZONING: RC, WPOD
FEMA FIRM ZONE: AE 11 & X, PANEL 25023C0239L,
E.D. 7-6-21

LEGEND

	WETLAND FLAG
CB\DH	CONC. BOUND & DRILLHOLE
EP	EDGE OF PAVEMENT
10" T.	10" TREE
N\F	NOW OR FORMERLY
OHW	OVERHEAD WIRES
	UTILITY POLE
	GAS GATE
	WATER GATE
EM	ELECTRIC METER
GM	GAS METER
IHH	IRRIGATION HAND HOLE
VP	VENT POLE
(E)	EXISTING
RD	ROOF DRAIN

COMMONWEALTH OF MASSACHUSETTS
ANTHONY A.
ESPOSITO
CIVIL
No. 39782
REGISTERED
PROFESSIONAL ENGINEER

MEETING HOUSE RD.

PILGRIM BYWAY

N/F
JOHN B JR. & INGRID M. McGINTY
#21 PRIOR FARM RD.
ASSESSOR'S PARCEL #109-021-000

N/F
SEAN P. & AMY N. FAY
#100 MEETING HOUSE RD.
ASSESSOR'S PARCEL #109-922-039

N/F
GREG L. & CYNTHIA G. BROCKWELL
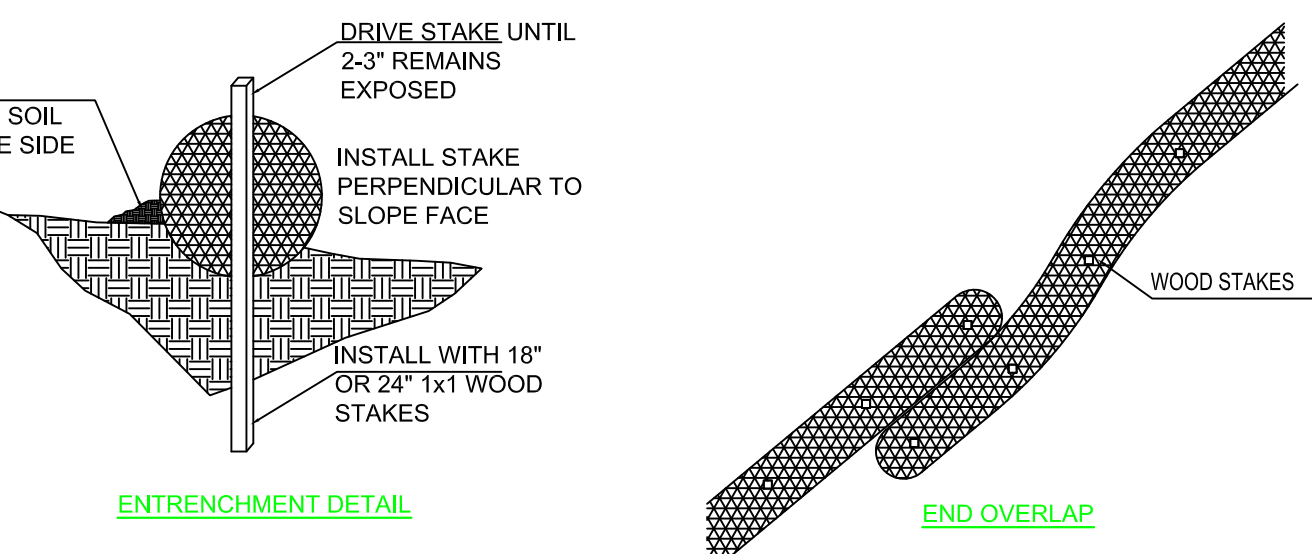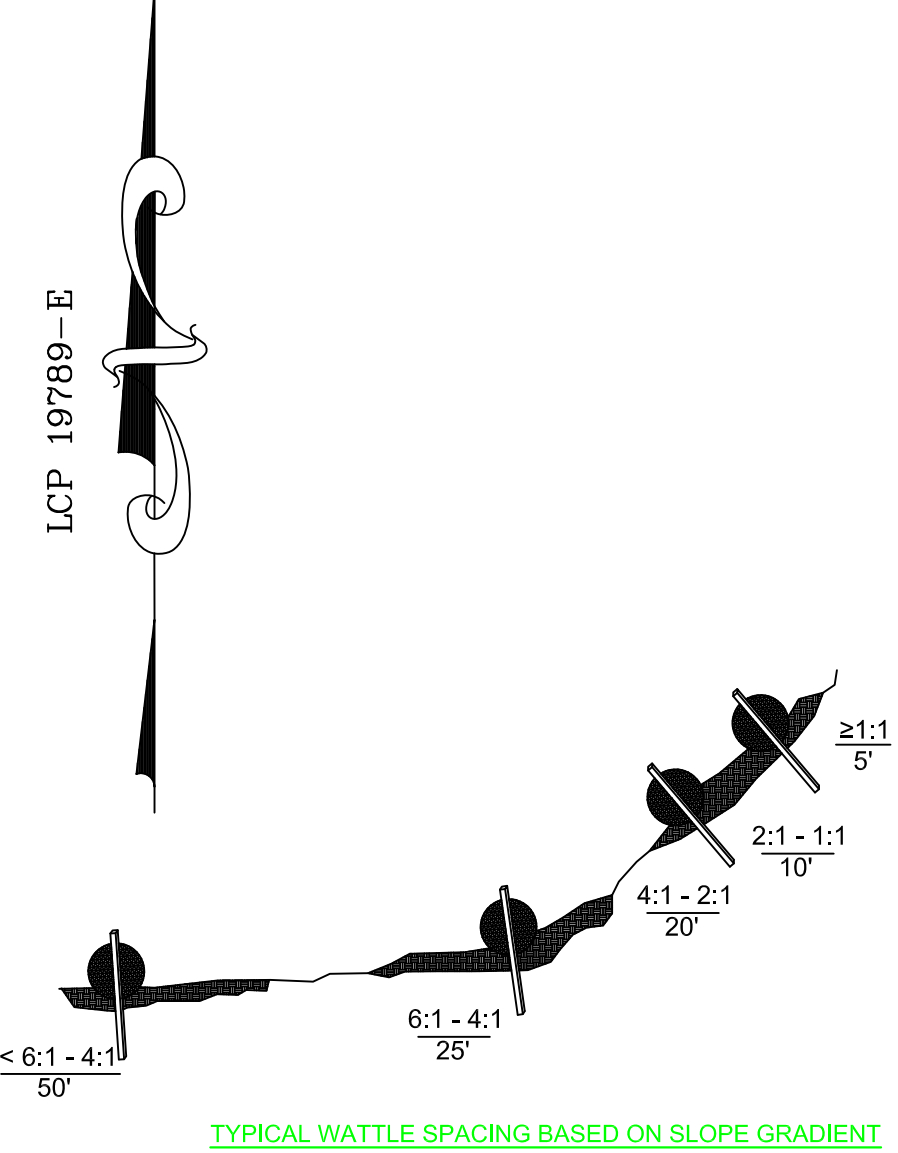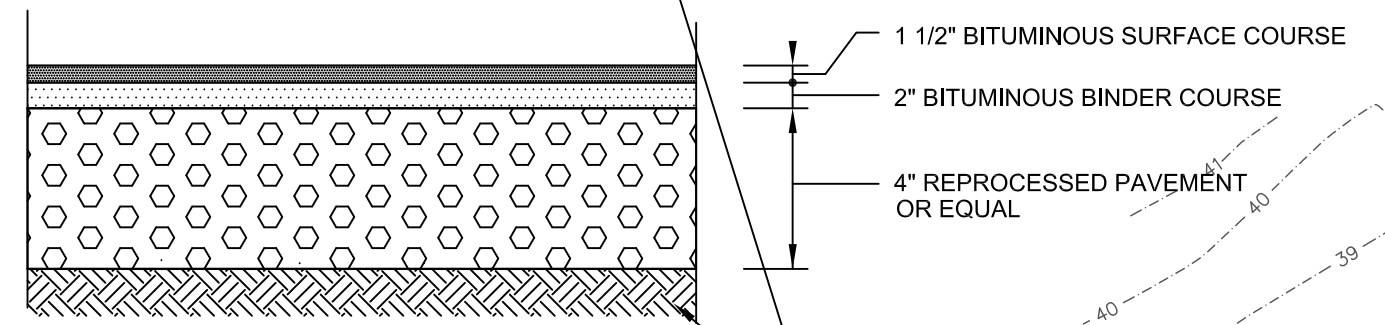#120 MEETING HOUSE RD.
ASSESSOR'S PARCEL #109-922-037

N/F
JOSHUA D. & CAROLINE L. BEERS
#110 MEETING HOUSE RD.
ASSESSOR'S PARCEL #109-922-038

N/F
BRIAN W. LEDBETTER
#46 PILGRIM BYWAY
ASSESSOR'S PARCEL #109-035-002

LOCUS
#0 PILGRIM BYWAY.
LOT AREA = 62,726.45 SF
LOT AREA = 1.44 ACS

N/F
LUTICIA JOHNSON
PATRICIA RESTIVO
#16 OLD MEETING HOUSE RD.
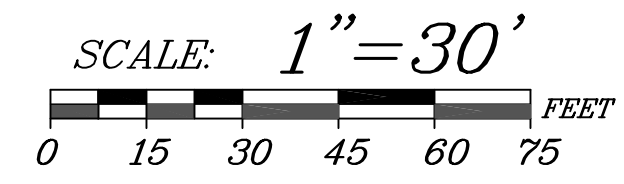ASSESSOR'S PARCEL #110-035-001

N/F
BRIAN A. SCARRY TRUSTEE
SCARRY FAMILY IRREVOCABLE TRUST
#137 CHESTNUT ST.
ASSESSOR'S PARCEL #110-037-014

PROP. STRAW WATTLE BARRIER
FOR EROSION CONTROL

PAVED SWALE

BENCHMARK
CTR OF CB
ELEV. = 28.30 NAVD 88

ISOLATED LAND SUBJECT TO FLOODING,
(STORES LESS THAN 1/4 ACRE PER FOOT
OF STORMWATER)

LCP 19789-E

TOTAL 100' BUFFER AREA= 16,971.29 SF
TOTAL IMPERVIOUS 100' BUFFER COVERAGE PROPOSED = 2,443.12 SF OR 14.55 %

PAVING DETAIL:
NOT TO SCALE

1 1/2" BITUMINOUS SURFACE COURSE
2" BITUMINOUS BINDER COURSE
4" REPROCESSED PAVEMENT OR EQUAL
COMPACTED SUBGRADE

SCALE: 1"=30'
0 15 30 45 60 75 FEET

STRAW WATTLE INSTALLATION
NOT TO SCALE

TYPICAL WATTLE SPACING BASED ON SLOPE GRADIENT

COMPACT EXCAVATED SOIL ON UPSLOPE SIDE
DRIVE STAKE UNTIL 2-3" REMAINS EXPOSED
INSTALL STAKE PERPENDICULAR TO SLOPE FACE
INSTALL WITH 18" OR 24" 1x1 WOOD STAKES
ENTRENCHMENT DETAIL

WOOD STAKES
END OVERLAP

1. BEGIN AT THE LOCATION WHERE THE WATTLE IS TO BE INSTALLED BY EXCAVATING A 2-3" DEEP X 9" WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP SLOPE FROM THE ANCHOR TRENCH
2. PLACE THE WATTLE IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT THE SOIL FROM THE EXCAVATED TRENCH AGAINST THE WATTLE ON THE UPHILL SIDE. ADJACENT WATTLES SHOULD TIGHTLY ABUT.
3. SECURE THE WATTLE WITH 18-24" STAKES EVERY 3-4 FEET WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLES LEAVING AT LEAST 2-3" OF STAKE EXTENDING ABOVE THE WATTLE STAKES SHOULD BE DRIVEN PERPENDICULAR TO THE SLOPE FACE.

≥1:1	5'
2:1 - 1:1	10'
4:1 - 2:1	20'
6:1 - 4:1	25'
< 6:1 - 4:1	50'

REVISIONS :

No.	DESCRIPTION	DATE
1.	EXPANDED ILSF STUDY	5/7/24

PROJECT TITLE :

RDA
PLAN OF
ISOLATED LAND
SUBJECT TO
FLOODING
FOR
#0 PILGRIM
BYWAY
DUXBURY, MA
ASSESSOR'S
PARCEL
109-037- 015

PREPARED BY :

South
Shore
Survey
Consultants, Inc.

REGISTERED LAND SURVEYORS
& CIVIL ENGINEERS

167 R SUMMER STREET
KINGSTON, MA. 02364

781-582-2185
mark@ssscinc.net

PREPARED FOR :

MARK D. CASEY
1 LINCOLN STREET
DUXBURY, MA. 02332

DATE :	01/16/2024
COMP./DESIGN :	A. ESPOSITO
CHECK :	M.D.CASEY
DRAWN :	A. ESPOSITO
FIELD :	SM
APPROVED :	M.D.CASEY
DWG.No.	2309ILF
JOB No.	2309

SHEET 1 OF 1