

- ASSESSORS REFERENCES:**  
PARCEL ID 598-00615-076
- RECORD OWNER:**  
PETER J. MIMEAULT AND REBECCA GOULD MIMEAULT  
76 SOUTH SHORE DRIVE  
STURBRIDGE, MA 01566
- DEED REFERENCES:**  
(WORCESTER COUNTY REGISTRY OF DEEDS)  
LOCUS DEED:  
DEED BOOK 32,906 PAGE 17
- PLAN REFERENCES:**  
(WORCESTER COUNTY REGISTRY OF DEEDS)  
LOCUS PLAN:  
PLAN BOOK 873 PLAN 93  
PLAN BOOK 893 PLAN 73
- NOTES:**
- THE PURPOSE OF THIS PLAN IS TO DEPICT THE PROPOSED LAKEFRONT BANK STABILIZATION IMPROVEMENTS TO PROTECT THE EXISTING WATER SUPPLY LINE FOR THE DRILLED WELL AND DUG IRRIGATION WELL FOR 76 SOUTH SHORE DRIVE, STURBRIDGE, MA 01566
  - LIMITED EXISTING CONDITIONS SURVEY PERFORMED BY MCCLURE ENGINEERING, INC. ON JULY 31, 2020. ADDITIONAL INFORMATION TAKEN FROM PLAN "RIPARIAN RIGHTS, PLAN OF LAND IN STURBRIDGE, MASSACHUSETTS" PREPARED BY SCHOFIELD BROTHERS OF NEW ENGLAND, INC. AND RECORDED IN PLAN BOOK 893 PLAN 73 AT THE WORCESTER DISTRICT REGISTRY OF DEEDS. ADDITIONAL TOPOGRAPHY TAKEN FROM NOAA LIDAR DATA.
  - HORIZONTAL CONTROL IS BASED UPON THE NORTH AMERICAN DATUM OF 1983.
  - ELEVATIONS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988.
  - PROPERTY LINE INFORMATION IS BASED ON PLANS AND DEEDS OF RECORD, NO PROPERTY LINE SURVEY HAS BEEN PERFORMED AT THIS TIME.
  - THIS PLAN SHOWS THE PROPERTY LINES THAT ARE THE LINES OF EXISTING OWNERSHIP, NO NEW LINES FOR DIVISION OF EXISTING OWNERSHIP ARE SHOWN.
  - EXISTING UTILITY LINES SHOWN ON THIS DRAWING ARE FROM AVAILABLE INFORMATION AND ARE APPROXIMATE LOCATIONS. THERE MAY BE EXISTING LINES OTHER THAN THOSE INDICATED. WE ASSUME NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN. BEFORE PLANNING FUTURE CONNECTIONS, THE PROPER PUBLIC UTILITY ENGINEERING DEPARTMENT SHOULD BE CONSULTED.
  - THE AREA BETWEEN THE HOUSE AND THE DUG WELL WAS PREVIOUSLY DEVELOPED FOR ACCESSORY USE TO A SINGLE FAMILY STRUCTURE ON OR BEFORE 1970.
  - THE AREA BETWEEN THE DUG WELL AND THE DRILLED WELL WAS PREVIOUSLY DEVELOPED FOR ACCESSORY USE TO A SINGLE FAMILY STRUCTURE LAWFULLY EXISTING ON NOVEMBER 1, 1987 AND MAINTAINED SINCE.
  - THE BEACH AREA HAS EXISTED AS LAKE FRONT PROPERTY TO A SINGLE FAMILY STRUCTURE BUILT AND MAINTAINED PRIOR TO APRIL 1, 1983 AND CONTINUALLY MAINTAINED TO PRESENT TIME.

DISTRICT DIMENSIONAL REGULATIONS	
DISTRICT	RURAL RESIDENTIAL
USE	RESIDENTIAL
MIN. LOT SIZE	1 ACRE (43,560 sq.ft.)
MIN. FRONTAGE	150'
MIN. FRONT YARD DEPTH	30'
MIN. SIDE YARD DEPTH	20'
MIN. REAR YARD DEPTH	20'
MAX. BUILDING HEIGHT	35'
MAX. BUILDING STORIES	2

NOTE: ALL DISTURBED AREAS TO BE STABILIZED WITH MIN. 4" LOAM AND SEED UNLESS OTHERWISE SPECIFIED. SEED TO BE WETLAND PLANTS INC. CONSERVATION / WILDLIFE SEED MIX. SEED TO BE APPLIED PER MANUFACTURER'S SPECIFICATIONS.

SCALE: 1"=10'  
 HOR. SCALE: 1"=10'  
 10 0 10 20 30

REV	DATE	REVISIONS	DESCRIPTION

PETER C. ENGLE, P.E.  
 PROFESSIONAL ENGINEER

MA LIC. NO.	53736
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WATER SUPPLY PROTECTION PLAN  
 76 SOUTH SHORE ROAD  
 STURBRIDGE, MA 01566

PREPARED FOR:  
 PETER AND REBECCA MIMEAULT  
 76 SOUTH SHORE ROAD  
 STURBRIDGE, MA 01566

McCLURE  
 ENGINEERING, INC

119 Worcester Road  
 Charlton, MA 01507

Tel: (508) 248-2005  
 Fax: (508) 248-4887

Email: peng@mcclureengineers.com

DRAWN BY: MMH

DATE: 9/2/20

CHK BY: PE

SCALE: AS NOTED

PROJ. NO.: 287-2248-L

BANK STABILIZATION  
 PLAN

DWG# 76-2020

SHEET

1

OF

2

**RESPONSIBILITIES OF OWNER/PERMITEE**

- THE OWNER/ PERMITEE SHALL:  
 A. PROVIDE THE CONTRACTOR WITH COPIES OF LAND-USE PERMITS THAT THE OWNER HAS ACQUIRED.  
 B. INFORM ALL PARTIES INVOLVED WITH THE PROPOSED SITE WORK OF THIS PLAN'S OBJECTIVES AND REQUIREMENTS.

**RESPONSIBILITIES OF CONTRACTOR**

- THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING EROSION OF THE SITE AND FOR PROTECTING ADJACENT STORM SEWERS AND WATERWAYS FROM SEDIMENTATION. THE CONTRACTOR SHALL:  
 A. INSTALL, MONITOR, AND MAINTAIN ALL OF THE SOIL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THIS PLAN  
 B. COMPLY WITH ALL PERMIT REQUIREMENTS.

**PRE-CONSTRUCTION CONFERENCE**

- THE PERMITEE, OWNER-OF-RECORD, CONTRACTOR, ENGINEER, AND THE TOWN SHALL HOLD A "PRE-CONSTRUCTION" CONFERENCE REVIEW THE PROPOSED SOIL EROSION AND SEDIMENT CONTROL MEASURES.

**DESCRIPTION AND MAINTENANCE OF EROSION CONTROL MEASURES**

**TEMPORARY STABILIZATION MEASURES**

- STRAW BALES:**  
 INSTALL STRAW BALES AT VARIOUS LOCATIONS AS SHOWN ON THE PLANS AND DETAILS. EMBED THE STRAW BALES INTO THE GROUND AND FIRMLY ANCHOR IT AS SHOWN IN THE DETAILS. REMOVE SEDIMENT ONCE LEVELS HAVE REACHED 1/4 OF THE EFFECTIVE HEIGHT. REPAIR AND/OR REPLACE STRAW BALES IMMEDIATELY IF DAMAGED OR DETERIORATED.

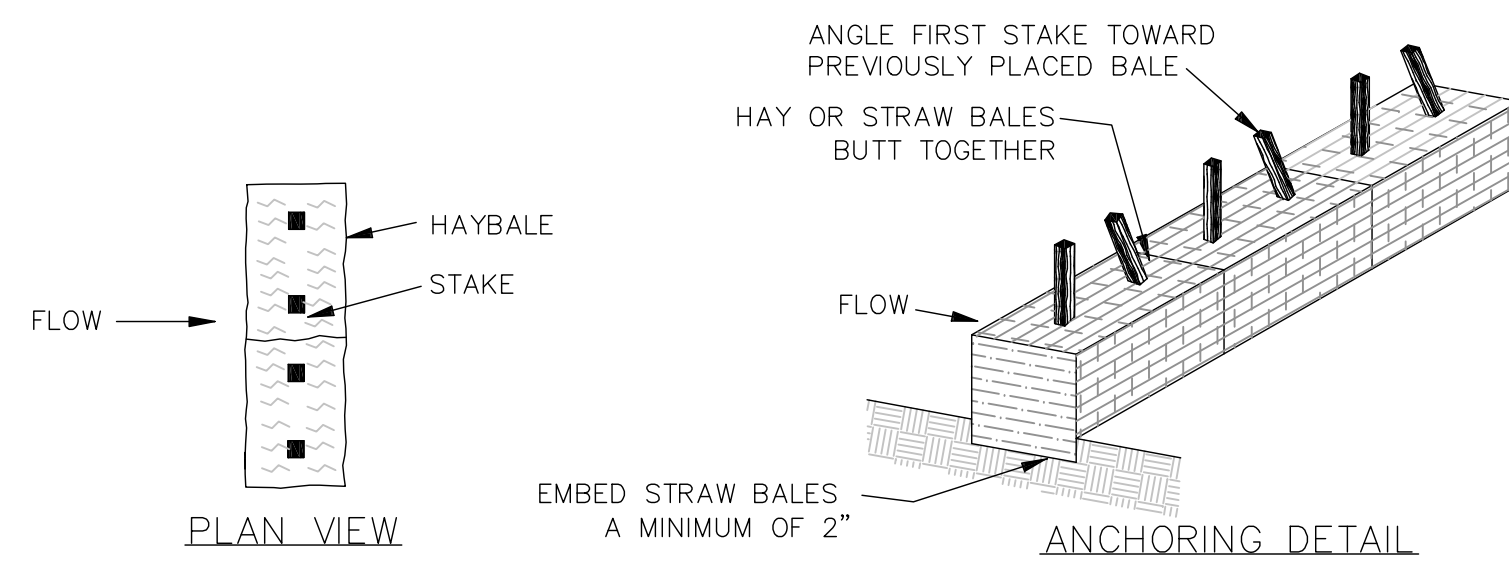
- STOCKPILING OR STORAGE OF EXCAVATED MATERIALS:**  
 COMPLETELY SURROUND TEMPORARY MATERIAL STOCKPILES WITH STRAW BALES TO PREVENT TRANSPORTATION OF SEDIMENT.

**PERMANENT STABILIZATION MEASURES**

- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASE SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LANDSCAPED AREAS. IF TOPSOIL, SEED, AND/OR MULCH IS WASHED AWAY BY RAINFALL, THE CONTRACTOR SHALL RESTORE THE AREA.

**GENERAL CONDITIONS**

- IF EROSION CONTROL MEASURES ARE DAMAGED BY CONSTRUCTION VEHICLES, ACTS OF VANDALISM, OR SEVERE WEATHER CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY REMOVE SEDIMENT IN THE VICINITY OF THE EROSION CONTROL MEASURES AND REPAIR THESE MEASURES TO A FUNCTIONAL CONDITION.
- IF, DURING OR AFTER CONSTRUCTION, IT BECOMES APPARENT THAT EXISTING EROSION CONTROL MEASURES ARE INCAPABLE OF CONTROLLING EROSION, THE ENGINEER OR THE TOWN MAY REQUIRE ADDITIONAL CONTROL MEASURES, INCLUDING BUT NOT LIMITED TO: ADDITIONAL STRAW WATTLES, HAYBALES, SILT FENCE, SEDIMENT BASINS, MECHANICALLY ANCHORED MULCH, OR ENHANCED DEWATERING FILTRATION.
- INSPECTIONS:** EROSION CONTROL SHALL BE INSPECTED DAILY OR AFTER A LEGITIMATE STORM EVENT (0.25 INCH). INSPECTION SHALL BE RECORDED IN A LOG ALONG WITH THE TIME AND DATE. LOG SHALL BE AVAILABLE FOR INSPECTION BY THE TOWN STAFF OR COMMISSIONER.

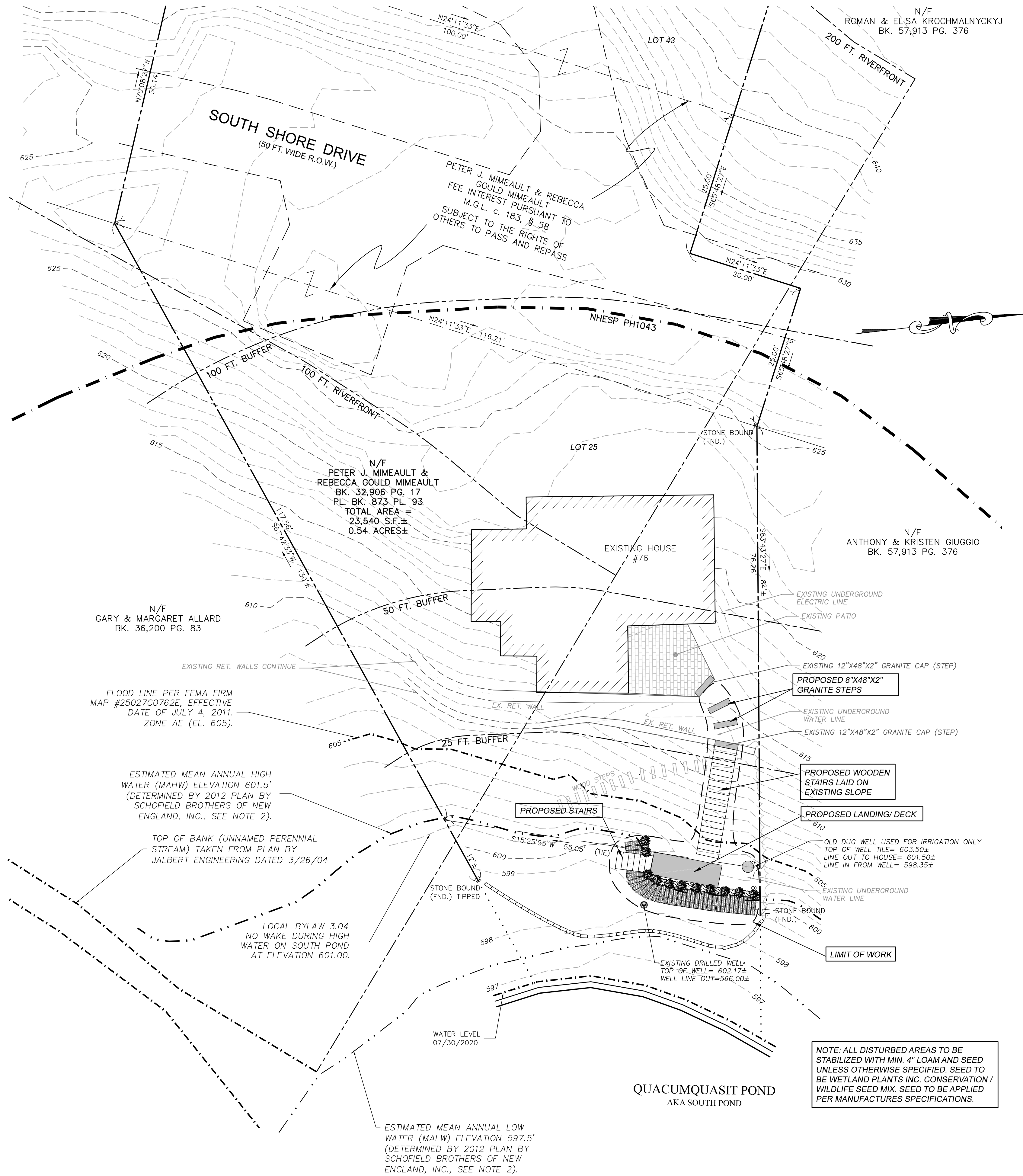


**HAYBALE EROSION CONTROL BARRIER**  
 SCALE: N.T.S.

**OPERATION AND MAINTENANCE:**

THE OPERATION AND MAINTENANCE FOR THIS PROJECT WILL BE ONGOING UPON COMPLETION OF ALL WORK.

- MAINTAIN STONE ARMORING ON THE BANK OF THE LAKE THAT PROVIDES FROST PROTECTION TO THE WATER SUPPLY-LINE RUNNING PARALLEL TO THE BANK. THE PROTECTION DEPTH SHALL BE A MINIMUM OF 30" MEASURED VERTICALLY DOWN FROM THE BOTTOM OF THE STONE ARMORING AND A MINIMUM OF 40" MEASURED VERTICALLY DOWN FROM THE TOP OF THE STONE ARMORING. MAINTAIN THE POSITION OF EACH STONE TO BE SECURE AGAINST MOVEMENT CAUSED BY EXTREME WAVE ACTION AND EXCESSIVE ICE-PACK CONDITIONS DURING THE YEAR.
- MAINTAIN ROOTED PLANTINGS ALONG THE TOP OF THE STONES, WITH THE EXCEPTION OF THE AREA THAT INCLUDES THE PROPOSED ACCESS STAIRWAY TO THE SHORELINE AND BASE OF THE DRILLED-WELL.
- MAINTAIN THE PROPOSED STAIRS AND DECK (LANDING) SURFACE THAT ALLOW OPERATIONAL CHECKS AND SERVICE FROM THE HOUSE TO THE IRRIGATION-WELL AND THE DRILLED-WELL INFRASTRUCTURE FOR ROUTINE MAINTENANCE OF BOTH THE SEASONAL PUMP AND THE SUBMERGED WATER-SUPPLY PUMP LOCATED OVER 50' DOWN IN THE METAL CASING ON THE SHORELINE. THE PATH TO AND FROM THIS EQUIPMENT MUST BE SAFE FOR SERVICE TECHNICIANS TO ACCESS BOTH WELLS DURING HIGH-WATER PERIODS AND WINTER MONTHS.

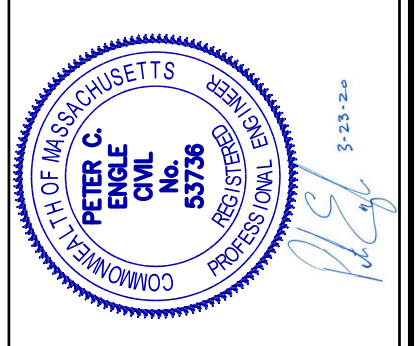


**ACCESS PLAN**  
 SCALE: 1"=10'

HOR. SCALE IN FEET: 1"=10'

REV.	DATE	DESCRIPTION	MADE (APVD)

**PETER C. ENGLE, P.E.**  
 PROFESSIONAL ENGINEER  
 MA LIC. NO. 53736



**McCLURE ENGINEERING, INC**  
 119 Worcester Road  
 Charlton, MA 01507  
 Tel: (508) 248-2005  
 Fax: (508) 248-4887  
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**WATER SUPPLY PROTECTION PLAN**  
 76 SOUTH SHORE ROAD  
 STURBRIDGE, MA 01566  
 PREPARED FOR:  
 PETER AND REBECCA MIMAEULT  
 76 SOUTH SHORE ROAD  
 STURBRIDGE, MA 01566

DRAWN BY:	MM
DATE:	9/2/20
CHK BY:	PE
SCALE:	AS NOTED
PROJ. NO.	287-2248-L

**WELL ACCESS PLAN**  
 DWG# 76-2020