

FOR REGISTRY USE ONLY

I, CAROL FALVEY, CLERK OF THE TOWN OF HINGHAM, HEREBY CERTIFY THAT THE NOTICE OF APPROVAL OF THIS PLAN BY THE PLANNING BOARD HAS BEEN RECEIVED AND RECORDED AT THIS OFFICE AND NO NOTICE OF APPEAL WAS RECEIVED DURING THE TWENTY DAYS NEXT FOLLOWING SUCH RECEIPT AND RECORDING OF SAID NOTICE.

DATE \_\_\_\_\_ TOWN CLERK \_\_\_\_\_  
 APPROVED \_\_\_\_\_, SUBJECT TO COVENANT CONDITIONS SET FORTH IN A COVENANT EXECUTED BY \_\_\_\_\_ DATED \_\_\_\_\_, AND TO BE RECORDED HERewith.  
 APPROVAL UNDER SUBDIVISION CONTROL LAW IS REQUIRED  
 DATE SUBMITTED: \_\_\_\_\_  
 DATE APPROVED: \_\_\_\_\_  
 DATE ENDORSED: \_\_\_\_\_  
 HINGHAM PLANNING BOARD  
 DATE SUBMITTED: \_\_\_\_\_  
 DATE APPROVED: \_\_\_\_\_  
 DATE ENDORSED: \_\_\_\_\_  
 HINGHAM BOARD OF HEALTH

**PHASE 1 CONSTRUCTION SEQUENCE:**

PHASE 1 INCLUDES THE CONSTRUCTION OF THE ROADWAY, UTILITIES AND DRAINAGE BASINS

STAKE LIMITS OF WORK AND TREE CLEARING

INSTALL EROSION CONTROLS INCLUDING TEMPORARY SEDIMENT TRAPS & SWALES IF NECESSARY. TRAPS AND SWALES ARE TO BE INSPECTED FOLLOWING HEAVY RAINFALL OR SIGNIFICANT LEAF LITTER. CONTRACTOR TO KEEP SILT TRAPS AND SWALES CLEAR AT ALL TIMES

CUT TREES, CLEAR AND GRUB ROADWAY AND DRAINAGE BASIN AREAS AS SHOWN

CONSTRUCT DRAINAGE SWALE, DRAINAGE ACCESS ROAD, INFILTRATION BASIN INCLUDING LOAM AND SEED

(LIMIT USE OF HEAVY EQUIPMENT ON BASIN BOTTOMS) THE CONTRACTOR SHALL TAKE CARE TO MINIMIZE SOIL COMPACTION IN ALL AREAS OF THE SITE WITH THE EXCEPTION OF ROADWAYS AND STRUCTURAL AMENITIES AS REQUIRED FOR STRUCTURAL STABILITY.

BRING CUT AREAS TO SUBGRADE INSPECT BASIN AND FOREBAY AFTER ALL STORMS AND AT LEAST MONTHLY DURING CONSTRUCTION AND REMOVE SEDIMENT

GRADE TEMPORARY SHOULDER AND INSTALL UTILITIES (ie, DRAIN, WATER, ELECTRIC, etc.)

CATCH BASIN GRATES ARE TO BE SET AT BINDER GRADE

INSTALL EROSION CONTROLS ON EXPOSED SLOPES, INSTALL SILT SACK IN CATCH BASIN, SILT SOCK AT BASIN INLET

PLACE BASE COURSE OF PAVEMENT / LOAM AND SEED GRASS AREAS

STABILIZATION SEED SHALL BE PLACED PRIOR TO NOVEMBER TO EACH YEAR DURING CONSTRUCTION TO ENSURE VEGETATIVE STABILIZATION.

PAVING SHOULD ONLY BE COMPLETED WHILE PAVEMENT PLANTS ARE OPERATING. IT IS PREFERRED THAT PAVING BE COMPLETED PRIOR TO NOVEMBER.

**PHASE 2 CONSTRUCTION SEQUENCE:**

PHASE 2 INCLUDES THE CONSTRUCTION OF THE INDIVIDUAL HOUSE LOTS, SUBDIVISION LANDSCAPE AND FINISH PAVEMENT

STAKE LIMITS OF WORK AND TREE CLEARING

INSTALL EROSION CONTROLS, INSTALL EROSION CONTROLS ON EXPOSED SLOPES, INSTALL SILT SACK IN CATCH BASIN, MAINTAIN SILT SOCK AT BASIN INLET

CUT TREES, CLEAR AND GRUB YARD AREAS AS SHOWN

BRING CUT AREAS TO SUBGRADE INSPECT BASIN AND FOREBAY AFTER ALL STORMS AND AT LEAST MONTHLY DURING CONSTRUCTION AND REMOVE SEDIMENT

INSTALL AND BACKFILL FOUNDATION

CONSTRUCT DWELLINGS

INSTALL UTILITIES (IE, DRAIN, WATER, ELECTRIC, SEPTIC ETC.)

(LIMIT USE OF HEAVY EQUIPMENT ON BASIN BOTTOMS)

BRING YARDS TO SUBGRADE

INSTALL DOWNSPOUTS/ROOF DRAIN CONNECTIONS

PLACE DRIVEWAY BASE COURSE OF PAVEMENT / LOAM AND SEED GRASS AREAS

CONTRACTOR SHALL REMOVE AND REPLACE ANY COMPACTED SOILS THROUGHOUT THE PROPERTY PRIOR TO PLACING LANDSCAPE TO ALLOW FOR PROPER DRAINAGE AND INFILTRATIVE CAPACITY OF THE UNDERLYING SOILS.

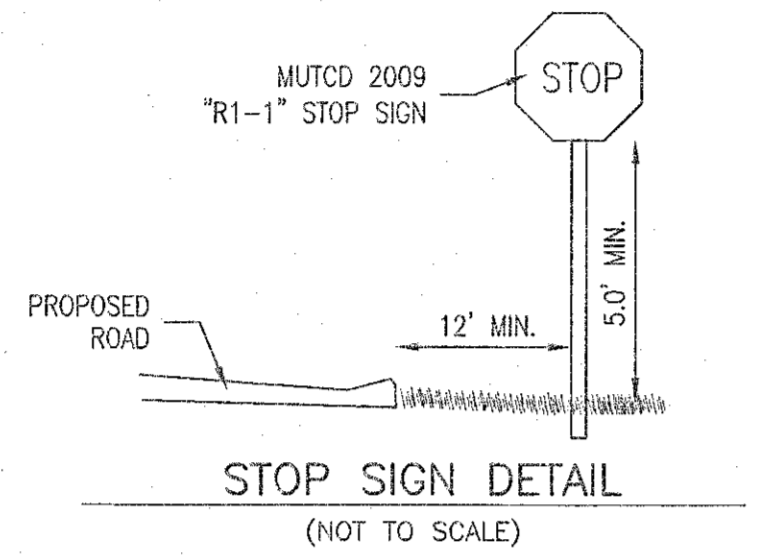
COMPLETE SUBDIVISION LANDSCAPING

STABILIZATION SEED SHALL BE PLACED PRIOR TO NOVEMBER TO EACH YEAR DURING CONSTRUCTION TO ENSURE VEGETATIVE STABILIZATION.

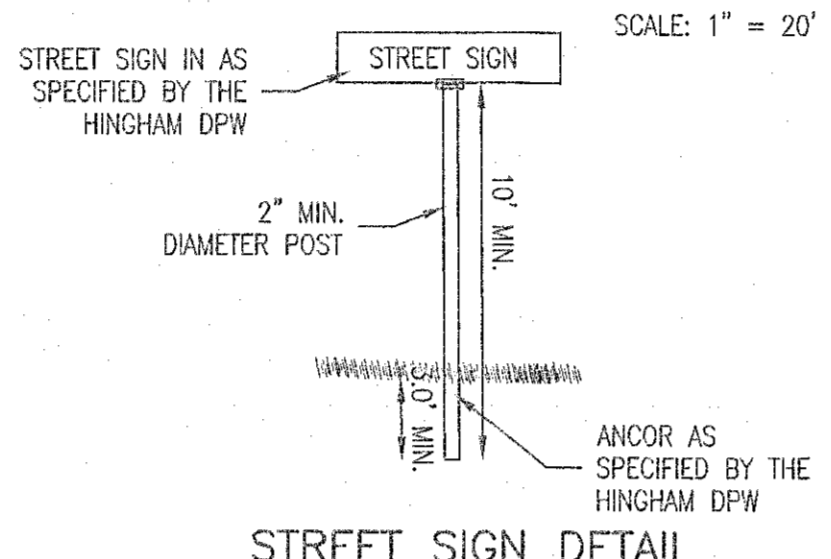
PAVING SHOULD ONLY BE COMPLETED WHILE PAVEMENT PLANTS ARE OPERATING. IT IS PREFERRED THAT PAVING BE COMPLETED PRIOR TO NOVEMBER.

UNCOVER TEMPORARY DRAINAGE SEALS / FINISH PAVING ON ROADWAY AND DRIVEWAYS

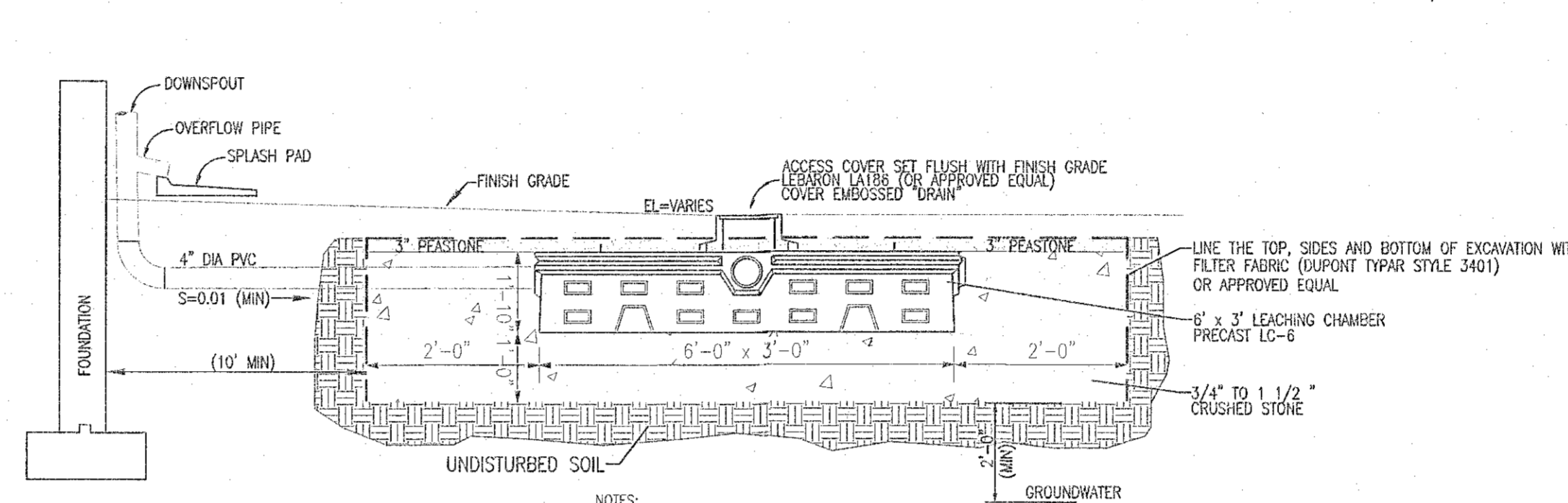
REQUEST CERTIFICATE OF COMPLIANCE FROM PLANNING BOARD



STOP SIGN DETAIL (NOT TO SCALE)

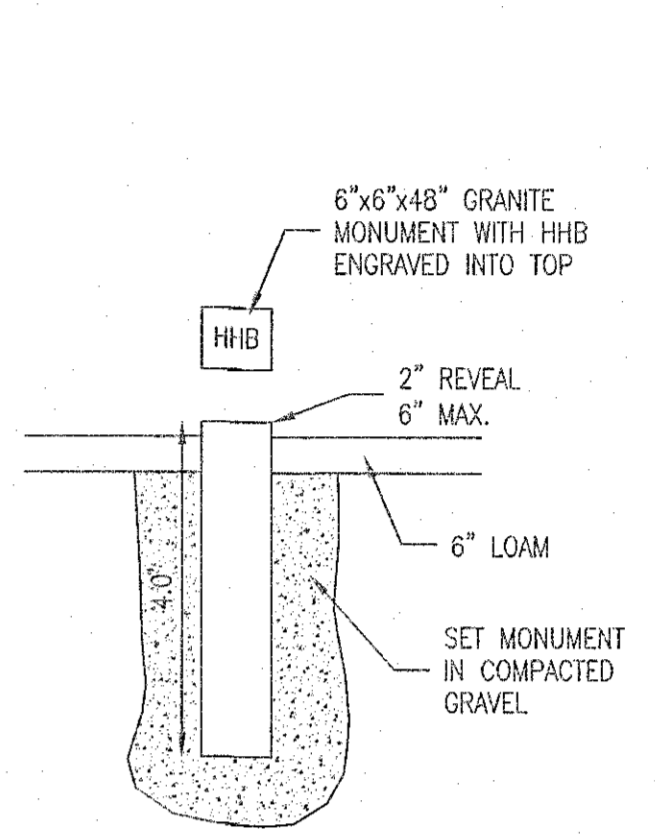


STREET SIGN DETAIL (NOT TO SCALE)



NOTES:  
 1. TWO DRY WELLS ARE REQUIRED PER DWELLING.  
 2. THE BOTTOM OF THE DRY WELL MUST BE INSTALLED A MINIMUM OF 2' ABOVE THE SEASONAL HIGH GROUNDWATER TABLE.

DRY WELL FOR ROOF DRAINS (NOT TO SCALE)



BOUND/MONUMENT DETAIL (NOT TO SCALE)

**LC-6 LEACHING CHAMBER**

**DESIGN NOTES:**  
 1. CONCRETE 4,000 P.S.I. @28 DAYS  
 2. LOAD RATING IS H-20 W/ MINIMUM OF 12" COVER  
 3. REINFORCING ASTM A-615 GRADE 60

SCITUATE PRECAST  
 120 CLAY PIT ROAD  
 MARSHFIELD, MA 02050  
 PHONE # 1-903-440-0009  
 FAX # 781-857-4320

CONTRACTOR: \_\_\_\_\_ JOB NAME: \_\_\_\_\_  
 DATE: \_\_\_\_\_ DRAWING: SRP-LC6 DRAWING BY: C.J. SCOTT

**SOIL LOG**

T.H.#1	T.H.#2	T.H.#3	T.H.#4	T.H.#5	T.H.#6	T.H.#7	T.H.#8
EL. 137.4	EL. 140.7	EL. 134.2	EL. 135.5	EL. 135.0	EL. 139.2	EL. 141.9	EL. 141.1
0'-3" LOAMY SAND 10YR3/3	0'-3" LOAMY SAND 10YR3/3	0'-10" LOAMY SAND 10YR3/3	0'-12" LOAMY SAND 10YR3/3	0'-12" LOAMY SAND 10YR3/3	0'-10" LOAMY SAND 10YR3/3	0'-10" LOAMY SAND 10YR3/3	0'-8" LOAMY SAND 10YR3/3
137.15	140.45	133.36	134.50	134.00	138.36	141.06	140.44
3'-16" B LOAMY SAND 2.5Y6/4	3'-16" B LOAMY SAND 2.5Y6/4	3'-16" B LOAMY SAND 2.5Y6/4	12'-27" B LOAMY SAND 2.5Y6/4	12'-28" B LOAMY SAND 2.5Y6/4	10'-25" B LOAMY SAND 2.5Y6/4	10'-30" B LOAMY SAND 2.5Y6/4	8'-20" B LOAMY SAND 2.5Y6/4
136.06	139.36	131.70	133.25	132.67	136.74	139.40	139.43
PERC @	PERC @	PERC @	PERC @	PERC @	PERC @	PERC @	PERC @
16"-132" C1 MEDIUM TO COARSE GRAVELLY SAND 40"-58" P.R.<2 MIN/IN	16"-120" C1 MEDIUM TO COARSE GRAVELLY SAND 44"-62" P.R.<2 MIN/IN	30"-144" C1 MEDIUM TO COARSE GRAVELLY SAND 60"-78" P.R.<2 MIN/IN	27"-144" C1 MEDIUM TO COARSE GRAVELLY SAND 48"-66" P.R.<2 MIN/IN	28"-120" C1 MEDIUM TO COARSE GRAVELLY SAND 36"-54" P.R.<2 MIN/IN	25"-120" C1 MEDIUM TO COARSE GRAVELLY SAND 32"-50" P.R.<2 MIN/IN	30"-126" C1 MEDIUM TO COARSE GRAVELLY SAND 32"-50" P.R.<2 MIN/IN	20"-126" C1 MEDIUM TO COARSE GRAVELLY SAND 32"-50" P.R.<2 MIN/IN
2.5Y6/4	2.5Y6/4	2.5Y6/4	2.5Y6/4	2.5Y6/4	2.5Y6/4	2.5Y6/3	2.5Y6/3
D= 11'-0" NO WATER	D= 10'-0" NO WATER	D= 12'-0" NO WATER	D= 12'-0" NO WATER	D= 10'-0" NO WATER	D= 10'-0" NO WATER	D= 10'-6" NO WATER	D= 10'-6" NO WATER

SOILS TESTING TESTHOLES 1-6 BY KEVIN GRADY, P.E., GRADY CONSULTING, LLC WITNESSED BY JOHN CHESSIA AUGUST 13, 2020

SOILS TESTING TESTHOLES 7-11 BY BRENDAN KLING, GRADY CONSULTING, LLC WITNESSED BY JOHN CHESSIA APRIL 29, 2021

**SEPTIC DESIGN (NOT DESIGNED FOR GARBAGE GRINDER)**

1. DESIGN DAILY FLOW: 4 BR. x 110 GPD = 440 GPD  
 2. SEPTIC TANK: 440 GPD x 2 = 880 GAL USE: 1500 GAL (MIN)  
 3. LEACHING CHAMBERS: P.R. <2 MIN/IN CLASS I

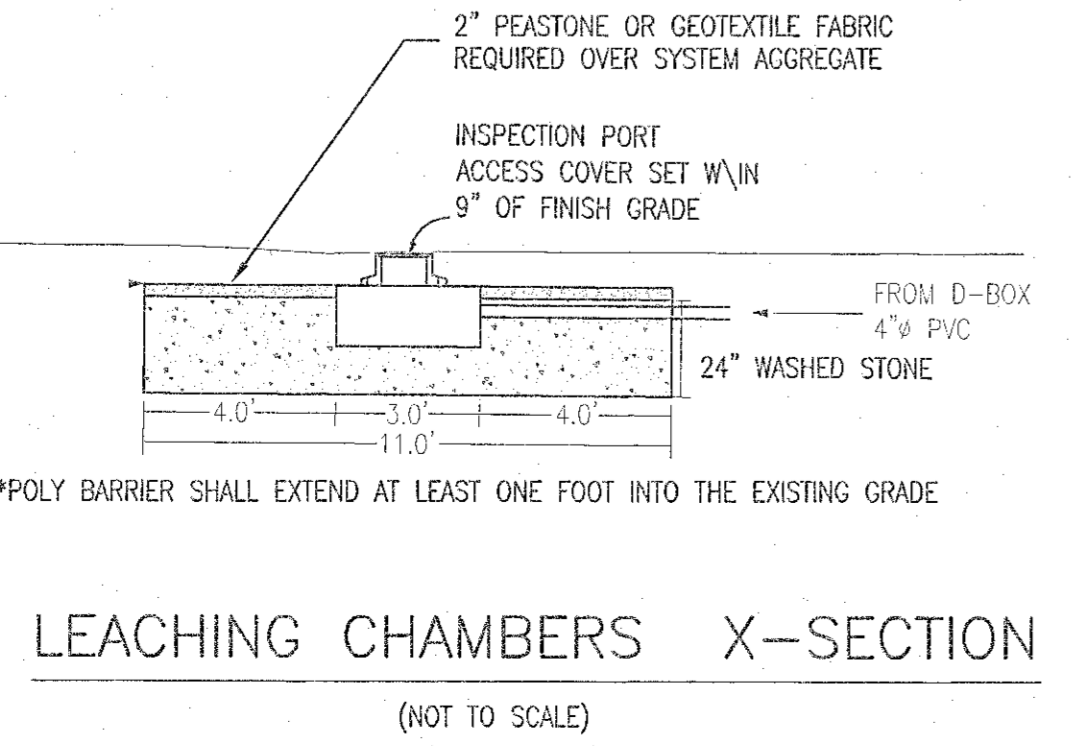
USE: 1-38" LONG x 11" WIDE x 2' DEEP LEACHING CHAMBER SYSTEM  
**TITLE 5**

PROPOSED AREA: 2(2x11) + 2(2x38) + (11x38) = 614  
 CAPACITY: 614 S.F. x 0.74 GPD/S.F. = 454 > 440 GPD(D.D.F.)

1. DESIGN DAILY FLOW: 6 BR. x 110 GPD = 660 GPD  
 2. SEPTIC TANK: 660 GPD x 2 = 1,320 GAL USE: 1500 GAL (MIN)  
 3. LEACHING CHAMBERS: P.R. <2 MIN/IN CLASS I

USE: 1-58" LONG x 11" WIDE x 2' DEEP LEACHING CHAMBER SYSTEM  
**TITLE 5**

PROPOSED AREA: 2(2x11) + 2(2x58) + (11x58) = 914  
 CAPACITY: 914 S.F. x 0.74 GPD/S.F. = 676 > 660 GPD(D.D.F.)



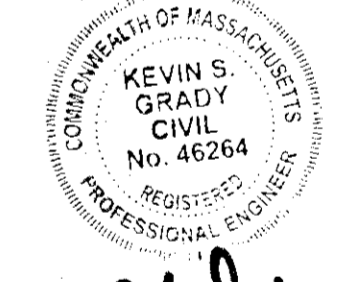
LEACHING CHAMBERS X-SECTION (NOT TO SCALE)

T.H.#9	T.H.#10	T.H.#11
EL. 134.3	EL. 137.2	EL. 133.9
0'-12" A LOAMY SAND 10YR3/2	0'-12" A LOAMY SAND 10YR3/3	0'-10" A LOAMY SAND 10YR3/3
133.30	136.20	133.07
12'-38" B LOAMY SAND 2.5Y6/4	12'-43" B LOAMY SAND 2.5Y6/4	10'-22" B LOAMY SAND 2.5Y6/4
131.13	133.61	132.06
PERC @	PERC @	PERC @
38"-126" C MEDIUM TO COARSE GRAVELLY SAND 40"-58" P.R.<2 MIN/IN	43"-126" C MEDIUM TO COARSE GRAVELLY SAND	22"-102" C MEDIUM TO COARSE GRAVELLY SAND
2.5Y6/3	2.5Y6/3	2.5Y6/3
D= 10'-6" NO WATER	D= 10'-6" NO WATER	D= 8'-6" NO WATER

SOILS TESTING TESTHOLES 7-11 BY BRENDAN KLING, GRADY CONSULTING, LLC WITNESSED BY JOHN CHESSIA APRIL 29, 2021

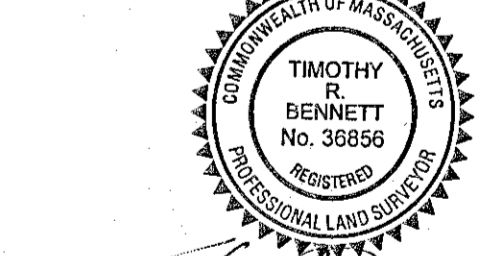
**REVISIONS**

4/22/21	PLANNING/BOH REVIEW COMMENTS
4/29/21	PLANNING/BOH REVIEW COMMENTS
6/28/21	PLANNING/BOH REVIEW COMMENTS
8/12/21	PLANNING BOARD COMMENTS



KEVIN GRADY, P.E.  
 DATE 11/17/21

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE REGISTER OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.



TIMOTHY R. BENNETT, P.L.S. #36856  
 DATE 11/17/21

**DEFINITIVE SUBDIVISION PLAN**  
 #101 GARDNER STREET  
 HINGHAM, MASSACHUSETTS

PREPARED FOR:  
 Ms. CHRISTINE WALKER, CONTROLLER  
 BOSTON GOLF CLUB  
 #19 OLD COUNTY ROAD  
 HINGHAM, MA 02043

FEBRUARY 26, 2021  
 SCALE: AS SHOWN  
 JOB No. 20-164

**GRADY CONSULTING, L.L.C.**  
 Civil Engineers, Land Surveyors & Landscape Architects  
 71 Evergreen Street, Suite 1, Kingston, MA 02364  
 Phone (781) 585-2300 Fax (781) 585-2378