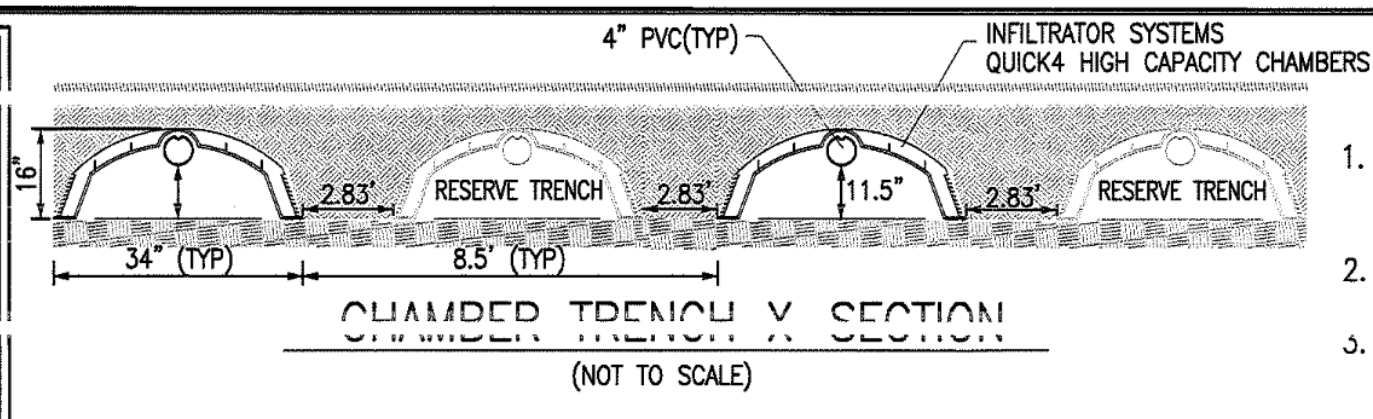


### ZONING DATA

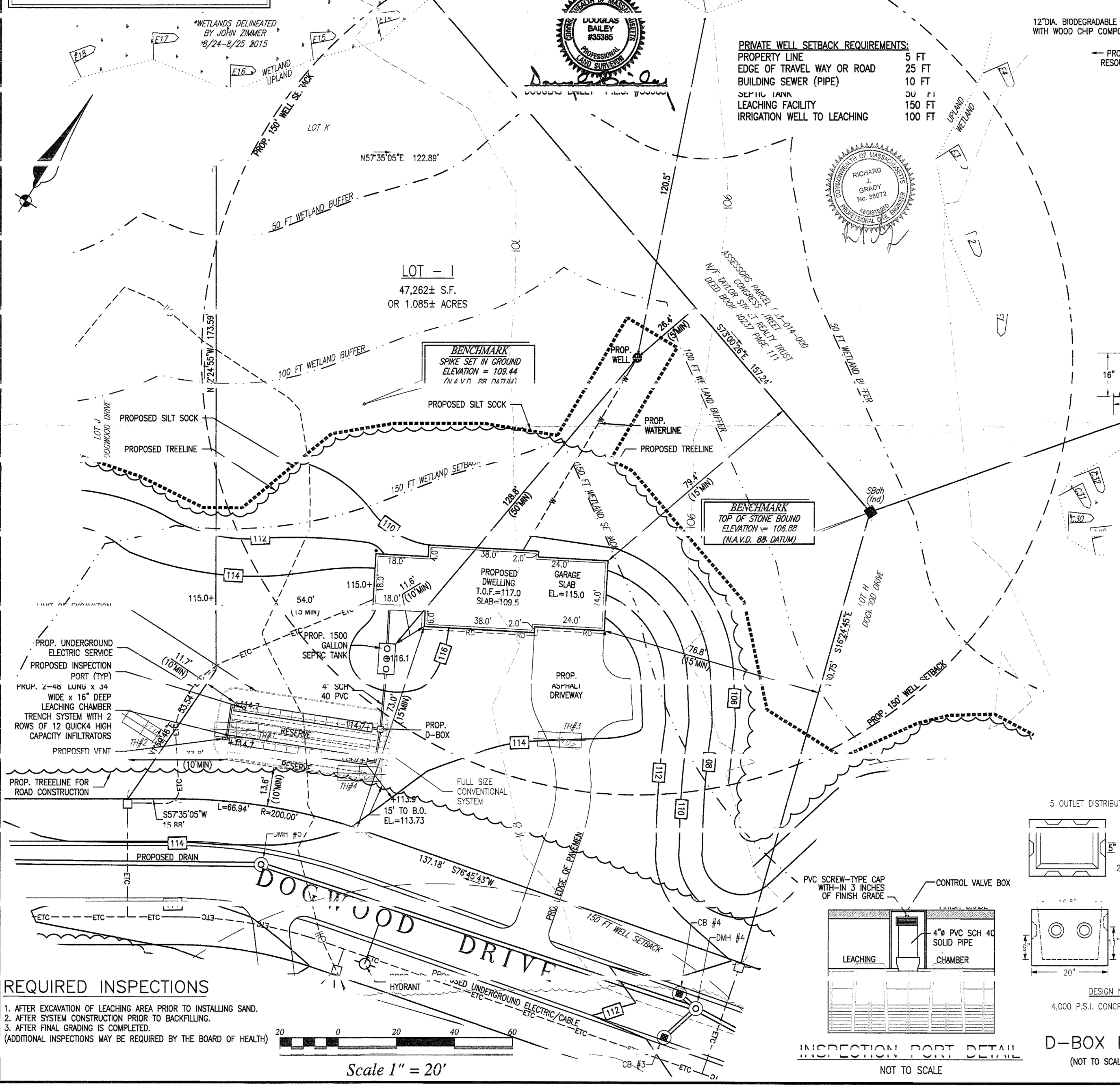
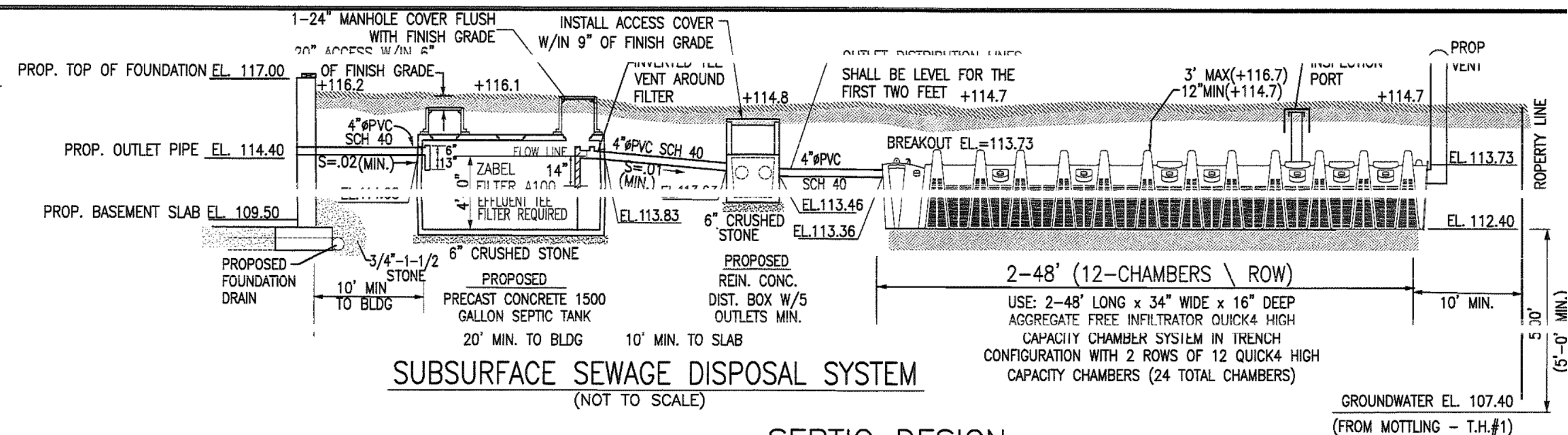
DISTRICT: PD-2  
(PLANNED DEVELOPMENT DISTRICT 2)

MINIMUM REQUIREMENTS:

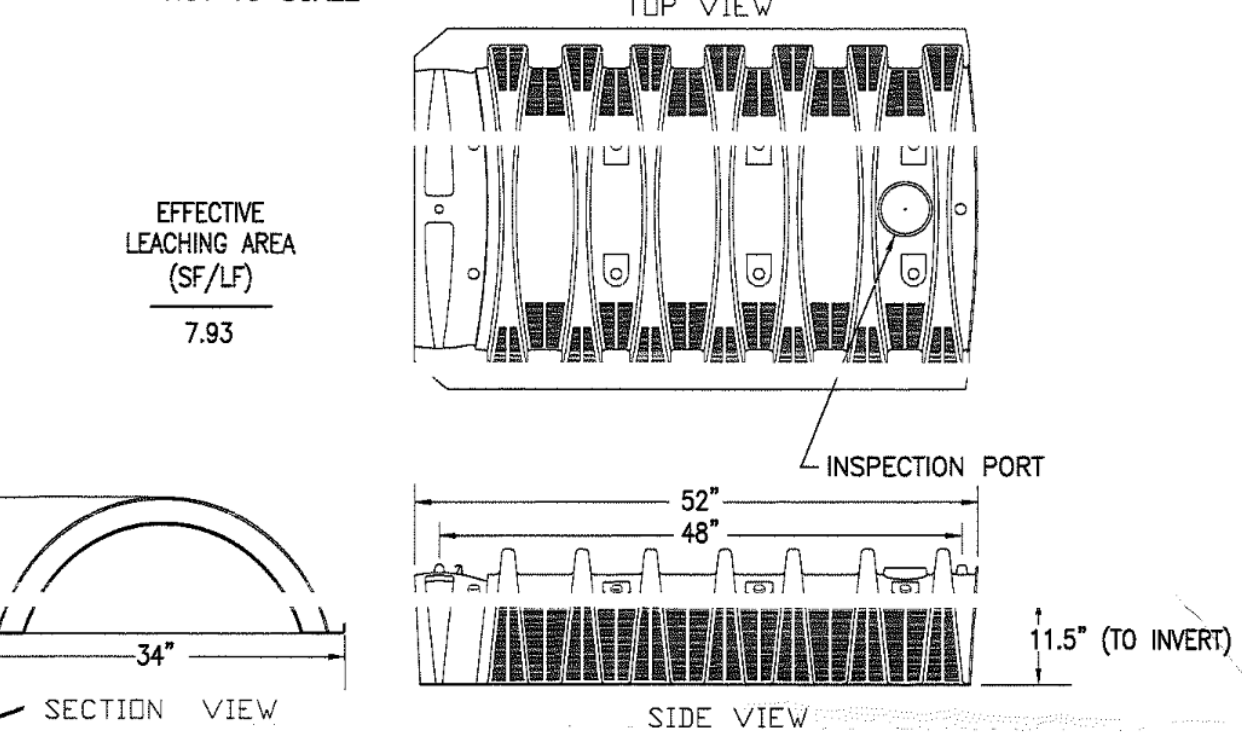
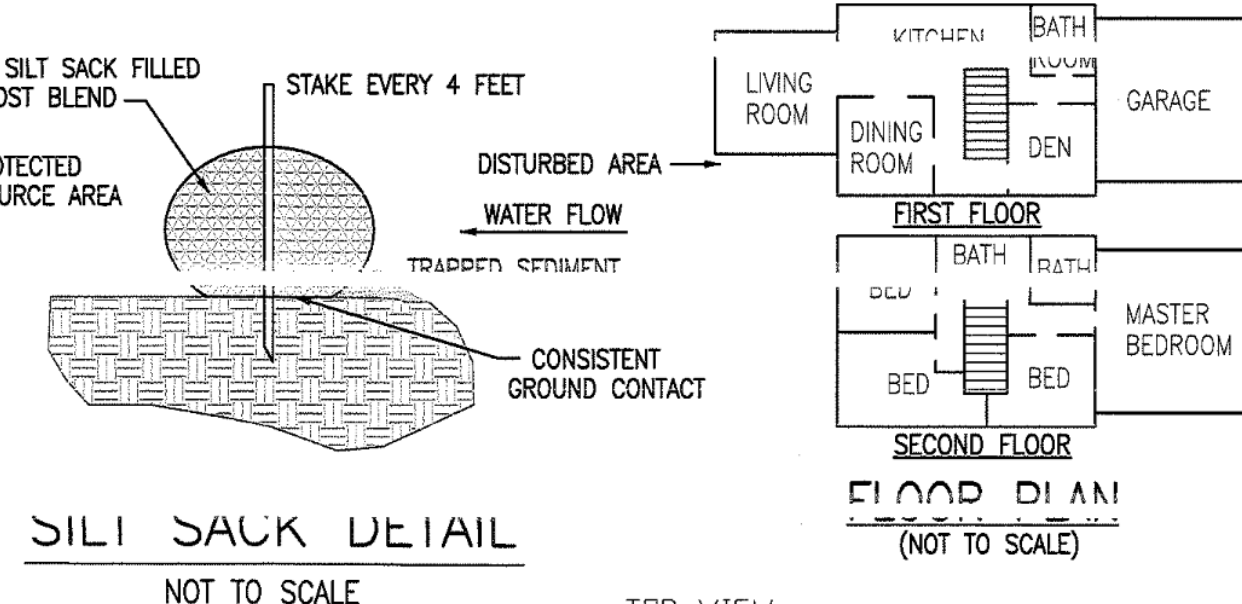
LOT AREA	40,000 S.F.
LOT FRONTAGE	200 FT
FRONT YARD	25 FT
SIDE YARD	15 FT
REAR YARD	15 FT
MAX LOT BLD COVERAGE	15%
MAX BUILDING HEIGHT	30 FT



- ### WELL NOTES
- CALL DIG SAFE 1-888-344-7233 AT LEAST 4 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
  - NO KNOWN S.A.S. EXIST WITHIN 150' OF THE PROPOSED WELL.
  - PRIVATE WELL SHALL BE ACCESSIBLE FOR REPAIR, MAINTENANCE, TESTING, AND INSPECTION.
  - LOCATION OF PRIVATE WELL SHALL BE MARKED ON THE PROPERTY BY A DURABLE BOUNDARY MARKER, PLACED 8" ABOVE FINISH GRADE UNLESS OTHER PERMANENT AND VISIBLE IDENTIFICATION IS PRESENT.
  - PRIVATE WELL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TOWN OF DUXBURY PRIVATE WELL REGULATIONS.



- ### PRIVATE WELL SETBACK REQUIREMENTS:
- |                             |        |
|-----------------------------|--------|
| PROPERTY LINE               | 5 FT   |
| EDGE OF TRAVEL WAY OR ROAD  | 25 FT  |
| BUILDING SEWER (PIPE)       | 10 FT  |
| SEPTIC TANK                 | 50 FT  |
| LEACHING FACILITY           | 150 FT |
| IRRIGATION WELL TO LEACHING | 100 FT |



- ### TOWN OF DUXBURY CHECKLIST NOTES
- NO WETLANDS ARE LOCATED WITHIN 150' OF THE PROPOSED SYSTEM.
  - THE PROPOSED SYSTEM IS NOT LOCATED WITHIN A FEMA DESIGNATED FLOOD HAZARD ZONE.
  - THE PROPOSED SYSTEM IS NOT LOCATED WITHIN AN AQUIFER ZONE I OR ZONE II.
  - NO KNOWN WELLS ARE LOCATED WITHIN 150' OF THE PROPOSED SYSTEM.
  - NO KNOWN IRRIGATION WELLS ARE LOCATED WITHIN 150' OF THE PROPOSED SYSTEM.
  - IN THE EVENT OF REPLACEMENT, THE EXISTING SYSTEM WILL BE REPLACED IN THE RESERVE AREA SHOWN.
  - NO VARIANCES FROM TITLE 5 OR DUXBURY RULES AND REGULATIONS ARE REQUIRED FOR THE PROPOSED SYSTEM.

### SOIL LOGS

T.H.#1	T.H.#2	T.H.#3	T.H.#4
EL. 110.40	EL. 110.60	EL. 107.40	EL. 109.50
0'-6" A SANDY LUAM 10YR3/2	0'-6" A SANDY LUAM 10YR3/2	0'-6" A SANDY LUAM 10YR3/2	0'-6" A SANDY LUAM 10YR3/2
109.90	110.10	106.90	109.00
6"-24" B LOAMY SAND 10YR6/4	6"-24" B LOAMY SAND 10YR6/4	6"-24" B LOAMY SAND 10YR6/4	6"-24" B LOAMY SAND 10YR6/4
108.40	108.60	105.40	107.50
24"-120" C PERC	24"-120" C PERC	24"-120" C PERC	24"-120" C PERC
100.40	100.60	97.40	99.50
D=10'-0" MOTTLING (EL=107.40)	D=10'-0" MOTTLING (EL=107.93)	D=10'-0" MOTTLING (EL=104.40)	D=10'-0" MOTTLING (EL=106.50)

- ### SEPTIC DESIGN (NOT DESIGNED FOR GARBAGE GRINDER)
- DESIGN DAILY FLOW: 4 BR. x 110 GPD = 440 GPD
  - SEPTIC TANK: 440 GPD x 2 = 880 GAL. USE: 1500 GAL (MIN)
  - LEACHING CHAMBERS: P.R. = 7 MIN/IN CLASS I
- USE: 2-48" LONG x 34" WIDE x 16" DEEP LEACHING CHAMBER SYSTEM IN TRENCH CONFIGURATION WITH 24 - 4" LONG INFILTRATOR QUICK4 HIGH CAPACITY LEACHING CHAMBERS WITH 12 CHAMBERS PER ROW.
- TITLE V (PER MODIFIED CERTIFICATION FOR GENERAL USE DESIGN STANDARD ITEM 4.)  
EFFECTIVE LEACHING AREA = 7.93 SF/LF  
PROPOSED AREA: 90 LF x 7.93 SF/LF = 713.7 S.F.  
CAPACITY: 761.28 S.F. x 0.68 GPD/S.F. = 517 > 440 GPD(D.D.F.)
- FULL SIZE CONVENTIONAL SEPTIC DESIGN-PER STANDARD CONDITIONS FOR ALTERNATIVE SOIL ABSORPTION SYSTEMS  
LEACHING TRENCHES: P.R. = 7 MIN/IN CLASS I  
PROPOSED AREA: 2(6 x 35) = 880 S.F.  
CAPACITY: 880 S.F. x 0.68 GPD/S.F. = 448 > 440 GPD(D.D.F.)

- ### SEPTIC NOTES
- PROPERTY LINE DATA FROM "DEFINITIVE SUBDIVISION PLAN DOGWOOD DRIVE (F.N.A. #1065 SUMMER STREET) DUXBURY, MASSACHUSETTS" JANUARY 24, 2018, GRADY CONSULTING, LLC. TO BE RECORDED WITH PLYMOUTH COUNTY REGISTRY OF DEEDS.
  - TOPOGRAPHIC SURVEY BASED ON AN ON THE GROUND SURVEY PERFORMED BY GRADY CONSULTING, LLC IN AUGUST 2015.
  - SOILS TESTING BY RICHARD GRADY, SE No. 926, GRADY CONSULTING, LLC ON MAY 8, 2016.
  - CALL DIG SAFE 1-888-344-7233 AT LEAST 4 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
  - NOTIFY TOWN AND GRADY CONSULTING PRIOR TO BACKFILLING OF SYSTEM.
  - NO KNOWN WELLS EXIST WITHIN 200' OF THE PROPOSED SYSTEM
  - THE SITE IS NOT LOCATED IN AN AQUIFER PROTECTION ZONE II.
  - ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC MARKING TAPE OR A COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED (310 CMR 15.221(12))
  - NO STAKES, SURFACE & SUBSURFACE DRAINAGE AND WETLANDS EXIST WITHIN 100 FT OF THE PROPOSED SYSTEM, EXCEPT AS SHOWN.
  - THE SITE IS NOT LOCATED IN A FLOOD PLAIN DISTRICT.
  - NO KNOWN EASEMENTS ARE IN THE AREA OF THE PROPOSED SYSTEM.
  - EXCAVATE ALL MATERIAL (A,B, LAYERS) TO LOAMY SANDY C LAYER (24"), 5' AROUND SYSTEM. REPLACE WITH CLEAN COARSE SAND IN ACCORDANCE WITH 310 CMR 15.255 (3). EXCAVATION TO BE INSPECTED BY GRADY CONSULTING, LLC AND TOWN PRIOR TO SOIL REPLACEMENT.

- ### APPROXIMATE PERC SAND VOLUME = 58 X 24.1 X (113.7 - 107.5) / 27 + 20% = 385± C.Y.
- ### INFILTRATOR SYSTEM NOTES
- THIS SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) REGULATIONS FOR SUBSTITUTED INFILTRATOR SYSTEMS (15.000, REVISED JUNE 12, 2015) AND STANDARD CONDITIONS FOR ALTERNATIVE SOIL ABSORPTION SYSTEMS WITH GENERAL USE CERTIFICATION AND/OR APPROVED FOR REMEDIAL USE REVISED FEBRUARY 3, 2016. A DISCLOSURE NOTICE IN THE DEED TO THE PROPERTY IS REQUIRED FOR SYSTEMS INSTALLED UNDER THE REMEDIAL USE APPROVAL.
- NO STONE AROUND OR BELOW CHAMBERS IS REQUIRED.

- ### MAXIMUM ALLOWABLE IMPERVIOUS COVERAGE
- THIS LOT IS SUBJECT TO THE BOARD OF HEALTH REGULATIONS SECTION 1.15(1)(a). DRAINAGE CALCULATIONS WERE SUBMITTED BASED ON IMPERVIOUS COVERAGE OF 6.236 S.F. THE PROPOSED COVERAGE DEPICTED ON THIS PLAN INCLUDES: 1.964 S.F. OF IMPERVIOUS COVERAGE.
- ANY INCREASES IN IMPERVIOUS COVERAGE INCLUDING THE HOUSE, DRIVEWAY, DECK, SHEDS, POOLS THAT EXCEEDS 6.236 S.F. MAY REQUIRE A NEW APPLICATION TO THE BOARD OF HEALTH.

### REVISIONS

DATE	REVISIONS
5/16/18	REVIEW COMMENTS
9/2/19	PRIVATE POULABLE WELL

## SITE PLAN

### LOT - I DOGWOOD DRIVE

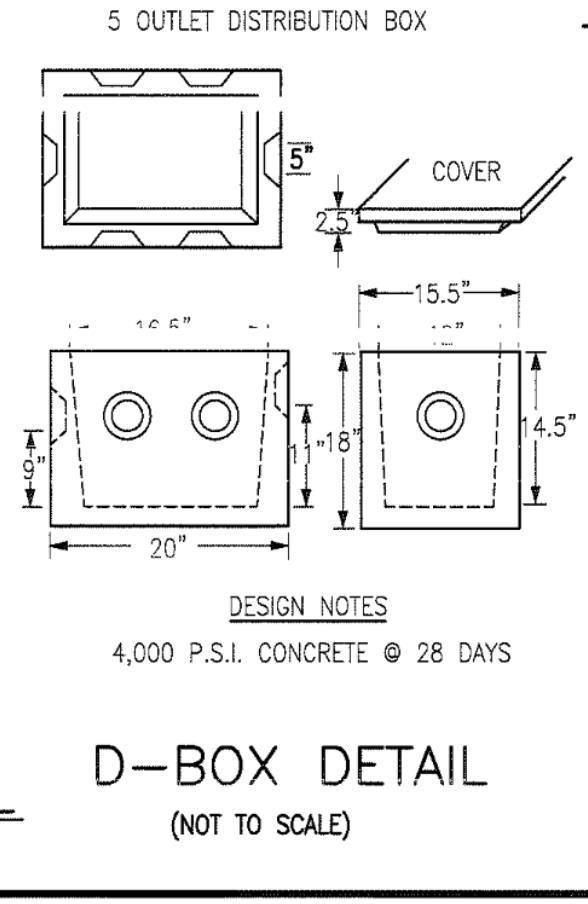
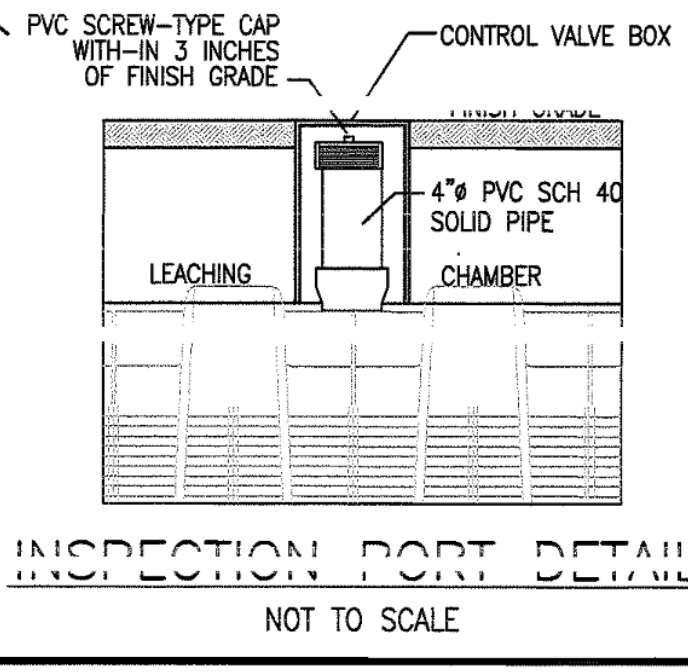
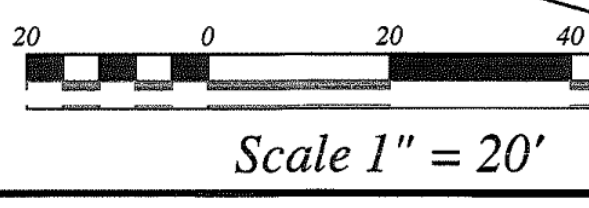
(F.N.A. #1065 SUMMER STREET)  
DUXBURY, MASSACHUSETTS

APPLICANT: DUCKS BERRY LLC  
DUXBURY, MA 02332

APRIL 20, 2018  
SCALE: 1"=20'  
JOB NO. 18-057

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

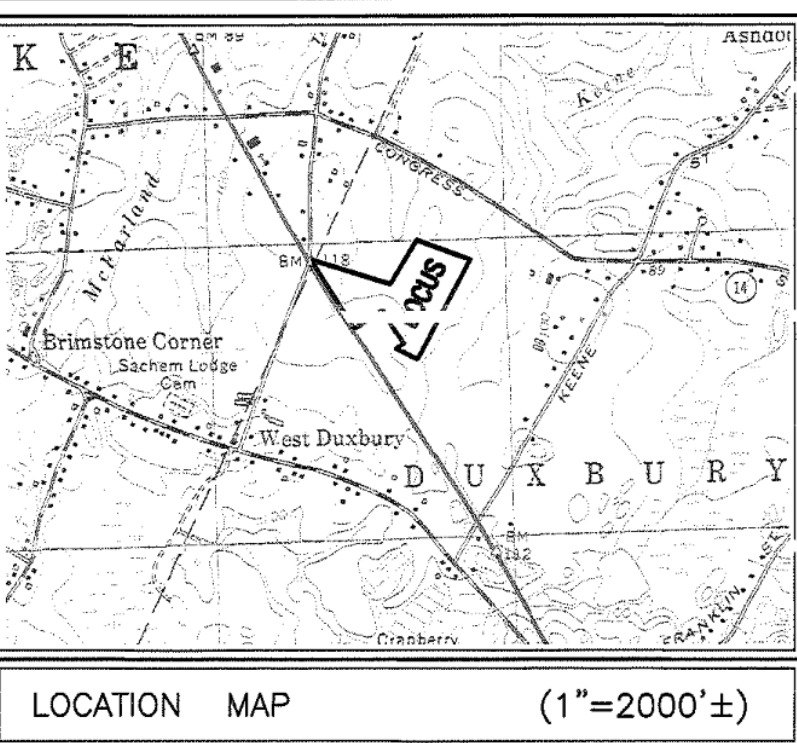
- ### REQUIRED INSPECTIONS
- AFTER EXCAVATION OF LEACHING AREA PRIOR TO INSTALLING SAND.
  - AFTER SYSTEM CONSTRUCTION PRIOR TO BACKFILLING.
  - AFTER FINAL GRADING IS COMPLETED.
- (ADDITIONAL INSPECTIONS MAY BE REQUIRED BY THE BOARD OF HEALTH)



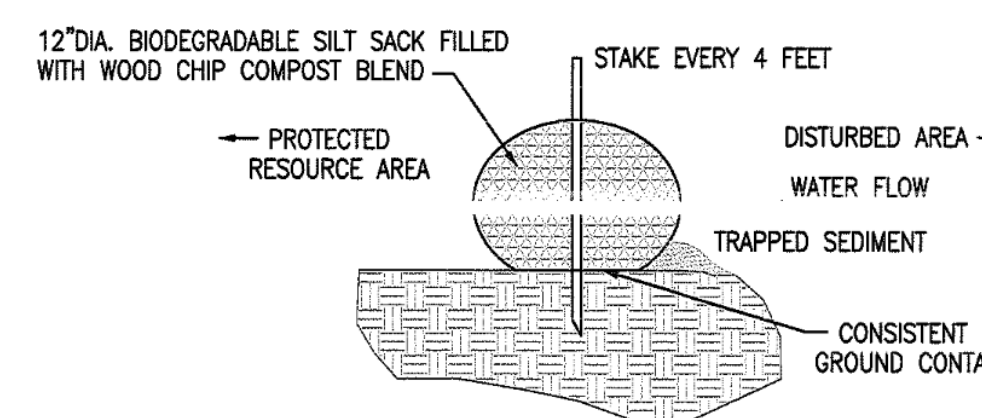
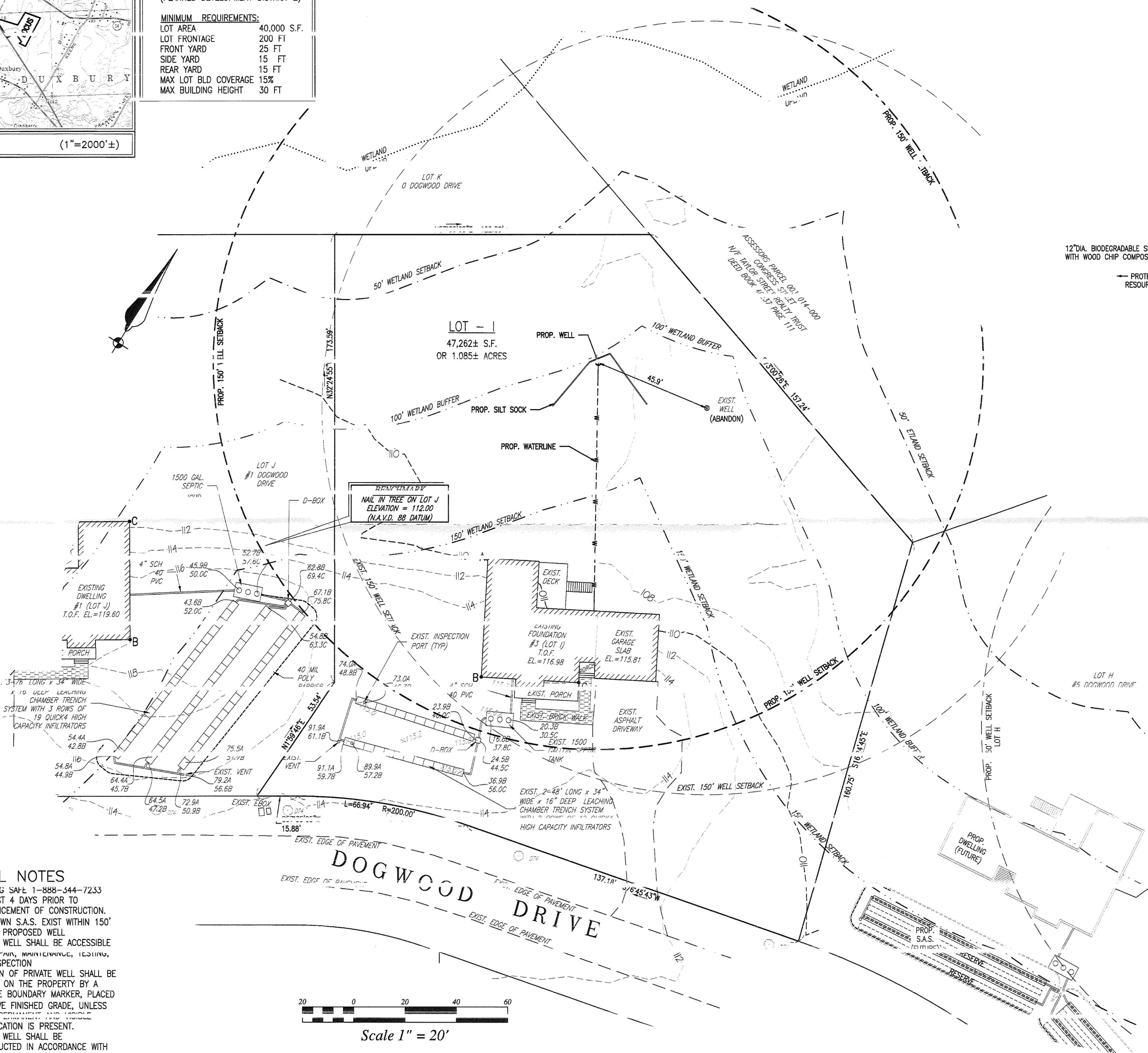
**ZONING DATA**

DISTRICT: PD-2  
(PLANNED DEVELOPMENT DISTRICT 2)

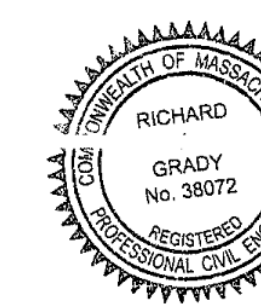
**MINIMUM REQUIREMENTS:**  
 LOT AREA 40,000 S.F.  
 LOT FRONTAGE 200 FT  
 FRONT YARD 25 FT  
 SIDE YARD 15 FT  
 REAR YARD 15 FT  
 MAX LOT BLD COVERAGE 15%  
 MAX BUILDING HEIGHT 30 FT



LOCATION MAP (1"=2000'±)



**SILT SACK DETAIL**  
NOT TO SCALE



Digitally signed  
by Richard Grady  
Date: 2021.04.07  
06:49:22 -04'00'

**TOWN OF DUXBURY CHECKLIST NOTES**

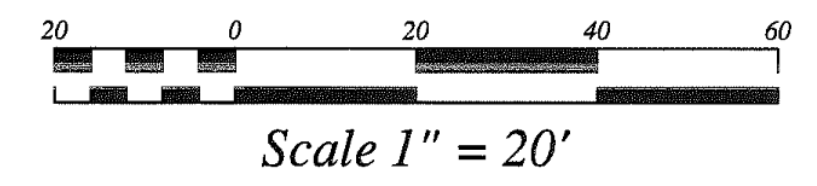
- NO WETLANDS ARE LOCATED WITHIN 150' OF THE PROPOSED SYSTEM.
  - THE PROPOSED SYSTEM IS NOT LOCATED WITHIN A FEMA DESIGNATED FLOOD HAZARD ZONE.
  - THE PROPOSED SYSTEM IS NOT LOCATED WITHIN AN AQUIFER ZONE I OR ZONE II.
  - NO KNOWN WELLS ARE LOCATED WITHIN 150' OF THE PROPOSED SYSTEM.
- |                 |                                  |
|-----------------|----------------------------------|
| 082/012-016-000 | 971 CONGRESS STREET-PRIVATE WELL |
| 082/012-017-000 | 941 CONGRESS STREET-PRIVATE WELL |
| 082/013-502-029 | CONGRESS STREET-VACANT LAND      |
| 082/013-502-030 | CONGRESS STREET-VACANT LAND      |
| 082/003-014-000 | CONGRESS STREET-VACANT LAND      |
| 082/004-013-002 | 1055 SUMMER STREET-PRIVATE WELL  |
| 082/004-013-003 | 1051 SUMMER STREET-PRIVATE WELL  |
| 082/004-008-004 | 1047 SUMMER STREET-PRIVATE WELL  |
| 082/004-008-003 | 0 SUMMER STREET-VACANT LAND      |
| 082/004-013-001 | 0 SUMMER STREET-VACANT LAND      |
- NO KNOWN IRRIGATION WELLS ARE LOCATED WITHIN 100' OF THE PROPOSED SYSTEM.
  - IN THE EVENT OF REPLACEMENT, THE EXISTING SYSTEM WILL BE REPLACED IN THE RESERVE AREA SHOWN.
  - NO VARIANCES FROM TITLE 5 OR DUXBURY RULES AND REGULATIONS ARE REQUIRED FOR THE PROPOSED SYSTEM.

**PRIVATE WELL SETBACK REQUIREMENTS:**

PROPERTY LINE	5 FT
EDGE OF TRAVEL WAY OR ROAD	25 FT
BUILDING SEWER (PIPE)	10 FT
SEWER TANK	50 FT
LEACHING FACILITY	150 FT
IRRIGATION WELL TO LEACHING	100 FT

**WELL NOTES**

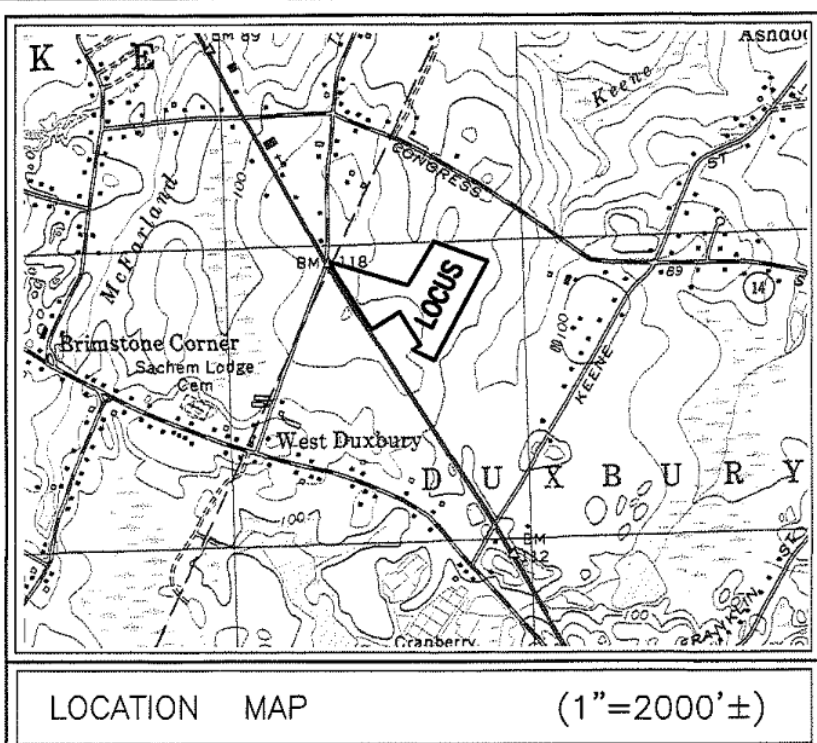
- CALL DIG SAFE 1-888-344-7233 AT LEAST 4 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- NO KNOWN S.A.S. EXIST WITHIN 150' OF THE PROPOSED WELL.
- PRIVATE WELL SHALL BE ACCESSIBLE FOR REPAIR, MAINTENANCE, TESTING, AND INSPECTION.
- LOCATION OF PRIVATE WELL SHALL BE MARKED ON THE PROPERTY BY A DURABLE BOUNDARY MARKER, PLACED 8" ABOVE FINISHED GRADE, UNLESS OTHER PERMANENT AND VISIBLE IDENTIFICATION IS PRESENT.
- PRIVATE WELL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TOWN OF DUXBURY PRIVATE WELL REGULATIONS.



**SITE PLAN**  
**LOT-I DOGWOOD DRIVE**  
(F.N.A.#1065 SUMMER STREET)  
**DUXBURY, MASSACHUSETTS**

APPLICANT: STEPHANIE WISNIEWSKI  
 DATE: APRIL 7, 2021  
 SCALE: 1"=20'  
 DUXBURY, MA 02332  
 JOB NO. 18-057

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



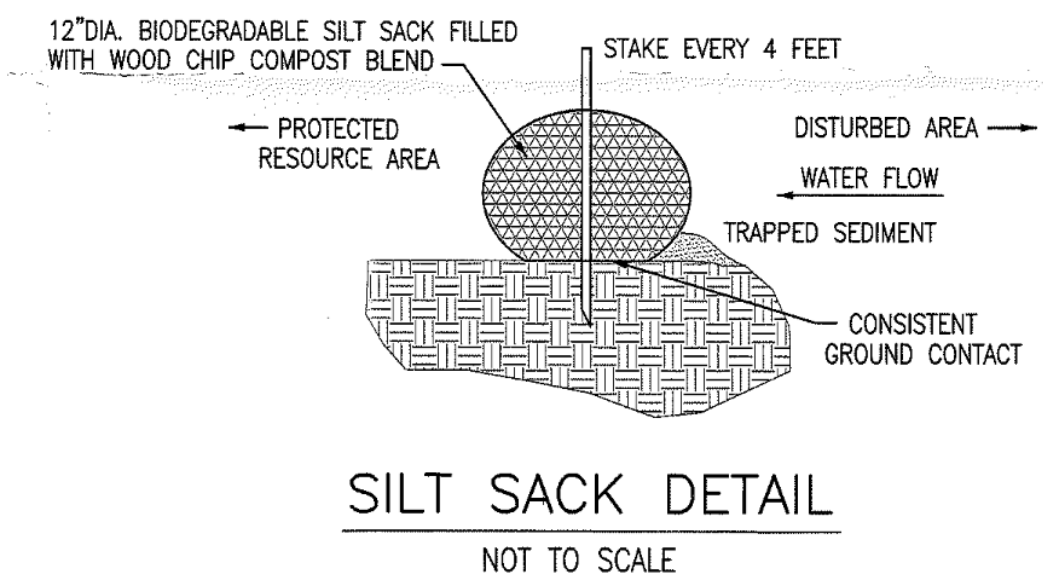
**ZONING DATA**

DISTRICT: PD-2  
(PLANNED DEVELOPMENT DISTRICT 2)

**MINIMUM REQUIREMENTS:**

LOT AREA	40,000 S.F.
LOT FRONTAGE	200 FT
FRONT YARD	25 FT
SIDE YARD	15 FT
REAR YARD	15 FT
MAX LOT BLD COVERAGE	15%
MAX BUILDING HEIGHT	30 FT

- TOWN OF DUXBURY CHECKLIST NOTES**
- NO WETLANDS ARE LOCATED WITHIN 150' OF THE PROPOSED SYSTEM.
  - THE PROPOSED SYSTEM IS NOT LOCATED WITHIN A FEMA DESIGNATED FLOOD HAZARD ZONE.
  - THE PROPOSED SYSTEM IS NOT LOCATED WITHIN AN AQUIFER ZONE I OR ZONE II.
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| 082/013-502-030 | CONGRESS STREET-VACANT LAND      |
| 082/003-014-000 | CONGRESS STREET-VACANT LAND      |
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| 082/004-008-004 | 1047 SUMMER STREET-PRIVATE WELL  |
| 082/004-008-003 | 0 SUMMER STREET-VACANT LAND      |
| 082/004-013-001 | 0 SUMMER STREET-VACANT LAND      |
- NO KNOWN IRRIGATION WELLS ARE LOCATED WITHIN 100' OF THE PROPOSED SYSTEM.
  - IN THE EVENT OF REPLACEMENT, THE EXISTING SYSTEM WILL BE REPLACED IN THE RESERVE AREA SHOWN.
  - VARIANCE FROM DUXBURY RULES AND REGULATIONS IS REQUIRED FOR THE PROPOSED WELL.

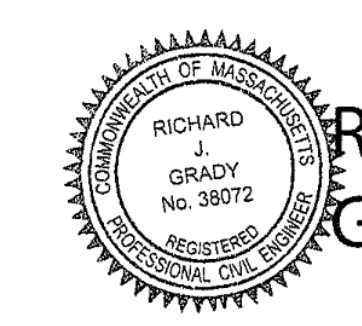


**PRIVATE WELL SETBACK REQUIREMENTS:**

PROPERTY LINE	5 FT
EDGE OF TRAVEL WAY OR ROAD	25 FT
BUILDING SEWER (PIPE)	10 FT
SEPTIC TANK	50 FT
LEACHING FACILITY	150 FT
IRRIGATION WELL TO LEACHING	100 FT

**TOWN OF DUXBURY VARIANCE REQUEST**

2.0 RULES AND REGULATIONS FOR PRIVATE WELLS  
2.06.3(g) REDUCTION IN POTABLE WELL SETBACK TO LEACHING FACILITY (S.A.S.) FROM THE LOCALLY REQUIRED 150 FEET TO 101.8 FEET.



Digitally signed by Richard Grady  
Date: 2022.04.06 16:27:28 -04'00'



REVISION	
4/7/22	WELL SETBACK VARIANCE REQUEST

**SITE PLAN**  
**LOT-I DOGWOOD DRIVE**  
(F.N.A.#1065 SUMMER STREET)  
**DUXBURY, MASSACHUSETTS**

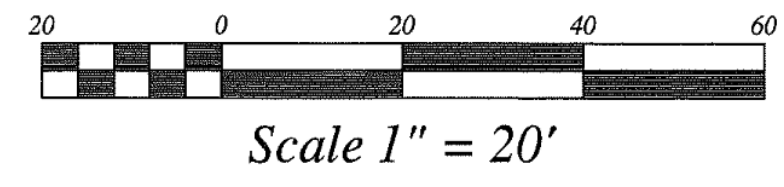
APPLICANT: STEPHANIE CHEVRY  
3 DOGWOOD DRIVE  
DUXBURY, MA 02332

APRIL 7, 2021  
SCALE: 1"=20'  
JOB NO. 18-057

**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

**WELL NOTES**

- CALL DIG SAFE 1-888-344-7233 AT LEAST 4 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- LOCUS S.A.S. AND #5 DOGWOOD DRIVE (LOT H) S.A.S. EXIST WITHIN 150' OF THE PROPOSED WELL.
- PRIVATE WELL SHALL BE ACCESSIBLE FOR REPAIR, MAINTENANCE, TESTING, AND INSPECTION.
- LOCATION OF PRIVATE WELL SHALL BE MARKED ON THE PROPERTY BY A DURABLE BOUNDARY MARKER, PLACED 8" ABOVE FINISHED GRADE, UNLESS OTHER PERMANENT AND VISIBLE IDENTIFICATION IS PRESENT.
- PRIVATE WELL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TOWN OF DUXBURY PRIVATE WELL REGULATIONS.



Scale 1" = 20'

**DOGWOOD DRIVE**

