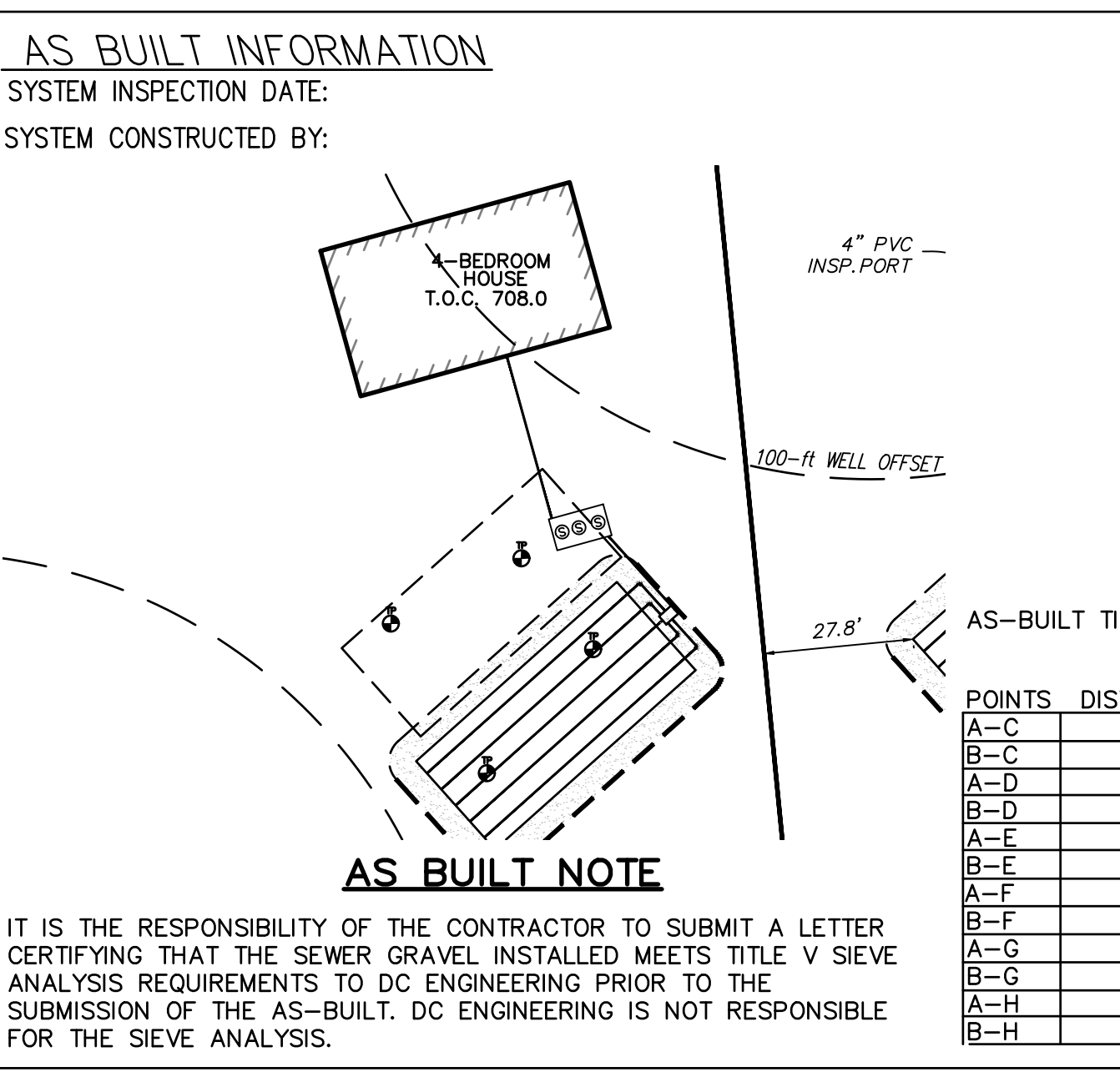


DESIGN	CRITERIA
TYPE OF ESTABLISHMENT	4 BEDROOM RESIDENTIAL
DESIGN FLOW	440 G.P.D.
SEPTIC TANK CAPACITY	NEW 1500 GAL. SEPTIC TANK
LEACHING CAPACITY REQUIRED	440 GPD / 0.40 = 1,100 SQ FT REQUIRED
LEACHING CAPACITY PROVIDED	50'-0" X 22'-0" LEACHBED = 1,100 SQ. FT. 1,100 SQ. FT. * 0.40 = 440 G.P.D.

TEST PIT DATA	
SOIL EVALUATOR: JASON DUBOIS	
WITNESSED BY: TOM PURCELL	
DATE: 9/16/2019	
APPLICANT: NELSON BURLINGAME	
TEST PIT # 1	TEST PIT # 2
0"-4" A SL 10YR 3/2 4"-26" B SL 10YR 5/6 28"-76" C SL 2.5Y 5/3 REDOX @ 36" REFUSAL @ 76"	0"-5" A SL 10YR 3/2 5"-27" B SL 10YR 5/6 27"-78" C SL 2.5Y 5/3 REDOX @ 36" REFUSAL @ 78"
GROUND WATER ELEV (OBSERVED) N/A MOTTILING ELEV (OBSERVED) .36" REFUSAL ELEV 76"	GROUND WATER ELEV (OBSERVED) N/A MOTTILING ELEV (OBSERVED) .36" REFUSAL ELEV 78"
TEST PIT # 3	TEST PIT # 4
0"-4" A SL 10YR 3/2 4"-26" B SL 10YR 5/6 26"-80" C SL 2.5Y 5/3 REDOX @ 36" REFUSAL @ 80"	0"-5" A SL 10YR 3/2 5"-26" B SL 10YR 5/6 26"-78" C SL 2.5Y 5/3 REDOX @ 36" REFUSAL @ 78"
GROUND WATER ELEV (OBSERVED) N/A MOTTILING ELEV (OBSERVED) .36" REFUSAL ELEV 80"	GROUND WATER ELEV (OBSERVED) N/A MOTTILING ELEV (OBSERVED) .36" REFUSAL ELEV 78"



- GENERAL NOTES**
- ALL CHANGES TO THIS PLAN MUST BE APPROVED BY THE LOCAL BOARD OF HEALTH
  - ALL SITE WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH TITLE 5
  - ANY CONDITIONS DURING CONSTRUCTION THAT DIFFER FROM THOSE ENCOUNTERED DURING TESTING SHALL BE REPORTED TO DC ENGINEERING AND THE LOCAL BOARD OF HEALTH IMMEDIATELY.
  - REMOVE ALL TOPSOIL & SUBSOIL FOR A DISTANCE OF 5 FEET AROUND SYSTEM
  - FILL MATERIAL FOR SYSTEMS CONSTRUCTED IN FILL SHALL CONSIST OF SELECT ON-SITE OR IMPORTED SOIL MATERIAL. THE FILL SHALL BE COMPRISED OF CLEAN GRANULAR SAND, FREE FROM ORGANIC MATTER AND DELETERIOUS SUBSTANCES. MIXTURES AND LAYERS OF DIFFERENT CLASSES OF SOIL SHALL NOT BE USED. THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN 2 INCHES. A SIEVE ANALYSIS, USING A #4 SIEVE, SHALL BE PERFORMED ON A REPRESENTATIVE SAMPLE OF THE FILL. UP TO 45% BY WEIGHT OF THE FILL SAMPLE MAY BE RETAINED ON THE #4 SIEVE. FOR FURTHER INFORMATION SEE 310CMR 15:255(3).
  - OFFSETS ARE NOT TO BE USED FOR THE REPRODUCTION OF PROPERTY LINES.
  - ALL ELEVATIONS REFER TO AN ASSUMED DATUM.
  - NO ADDITIONAL CAPACITY HAS BEEN PROVIDED FOR A GARBAGE DISPOSAL.(NOT ALLOWED)
  - NO ADDITIONAL CAPACITY HAS BEEN PROVIDED FOR A WATER SOFTNER.(NOT ALLOWED)
  - THE PROPOSED SITE IS SUBJECT TO THE WETLANDS PROTECTION ACT.**
  - THE PROPOSED PROJECT DOES NOT FALL WITHIN A FLOOD HAZARD ZONE.
  - THE SEPTIC TANK SHOULD BE INSPECTED AND PUMPED EVERY 2 YEARS.
  - ALL EXISTING OR PROPOSED WELLS AND SEPTIC SYSTEMS WITHIN 150 FEET OF THE PROPOSED CONSTRUCTION ARE SHOWN OR NOTED TO THE BEST OF OUR KNOWLEDGE.
  - ALL WETLANDS, BROOKS, BODIES OF WATER AND FLOOD HAZARD ZONES WITHIN 200 FEET OF THE PROPOSED CONSTRUCTION ARE SHOWN OR NOTED TO THE BEST OF OUR KNOWLEDGE.
  - INSPECTIONS REQUIRED FOR ASBUILT CERTIFICATION \* SEE ASBUILT NOTE \*
    - A. BOTTOM INSPECTION PRIOR TO THE INSTALLATION OF SEWER GRAVEL.
    - B. ALL COMPONENTS OF SEPTIC SYSTEM MUST BE COMPLETE AND VISIBLE PRIOR TO REQUESTING A FINAL INSPECTION
  - DIG SAFE TO NOTIFIED PRIOR TO CONSTRUCTION AT 1-888-DIGSAFE.
  - INSTALL MAGNETIC TAPE OVER ALL SYSTEM COMPONENTS, TANK, D-BOX, LEACH AREA.
  - HYDRAULIC CEMENT IS REQUIRED TO SEAL ALL CONNECTIONS AT THE SEPTIC TANK AND D-BOX LEACHING AREA TO BE WATERTIGHT 4" PVC ASTM D 1785 LAID ON FIRM BASE.

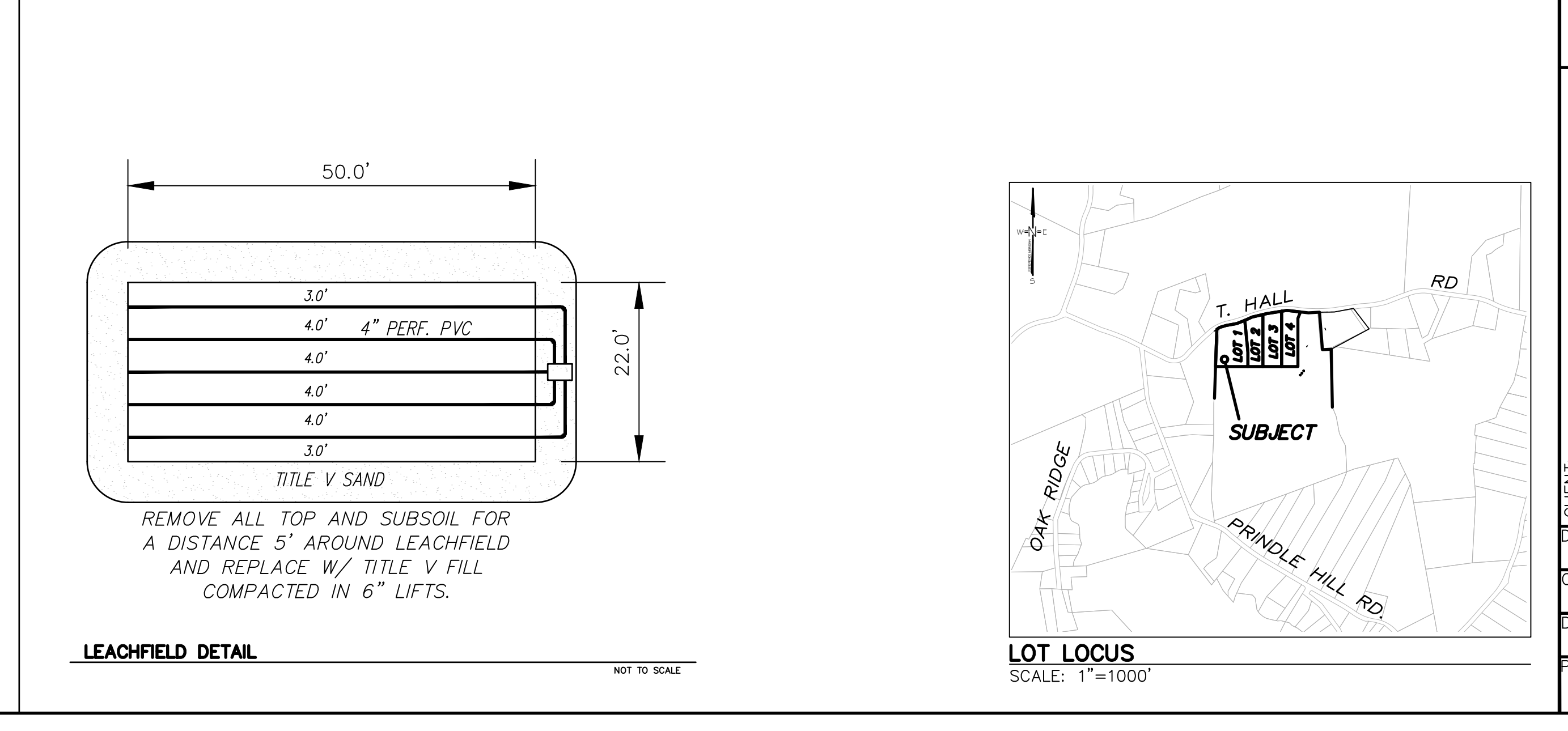
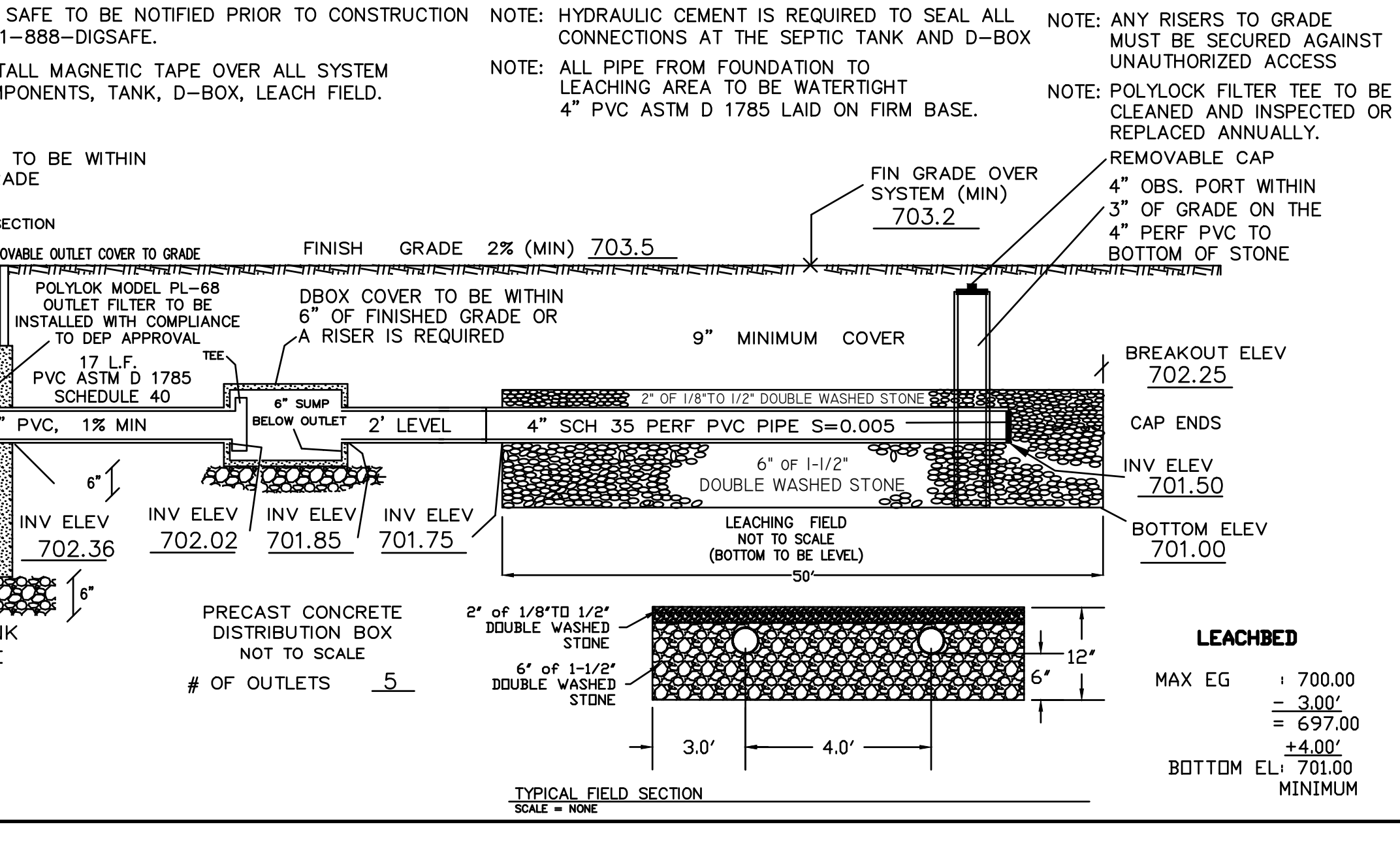
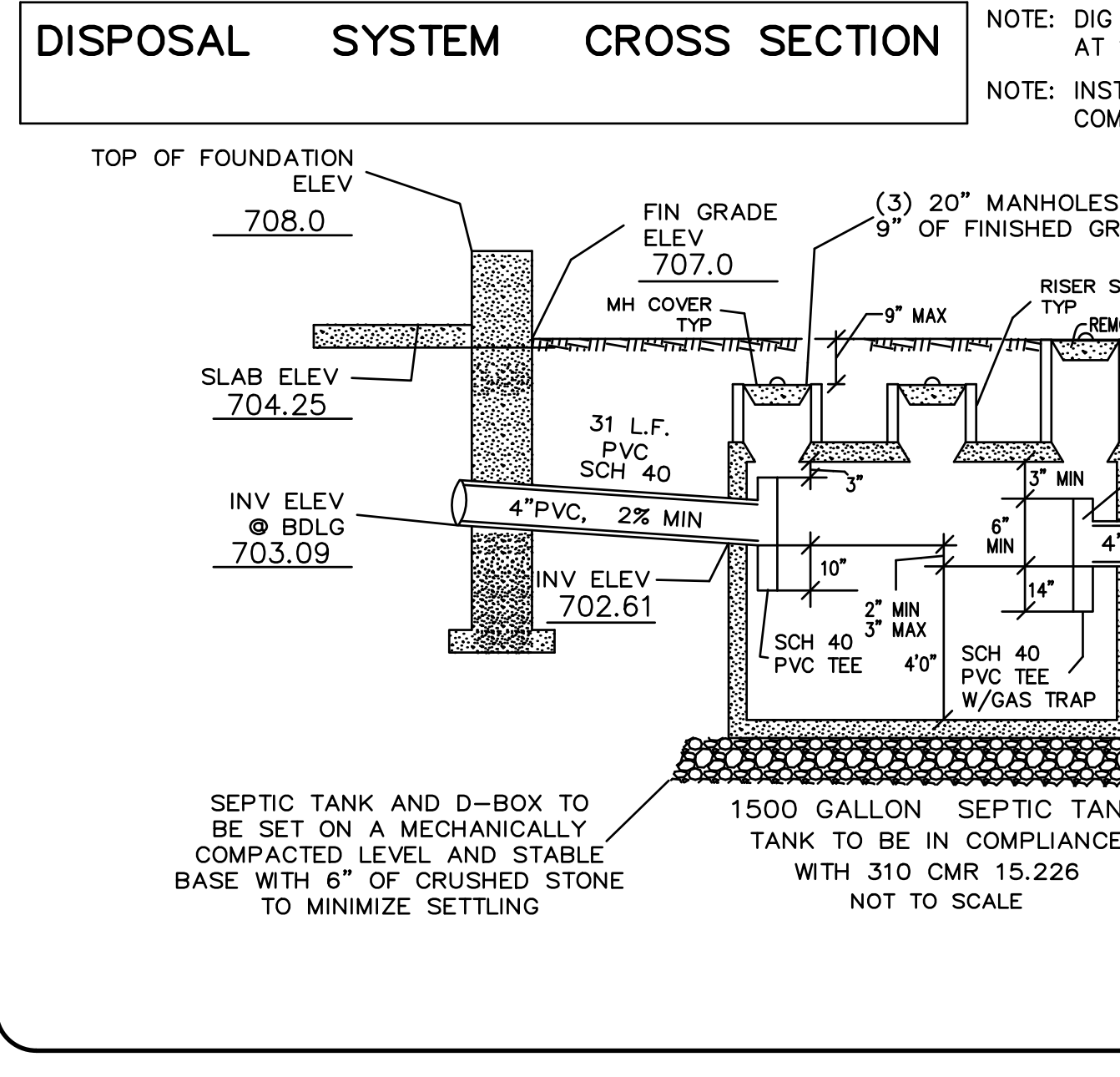
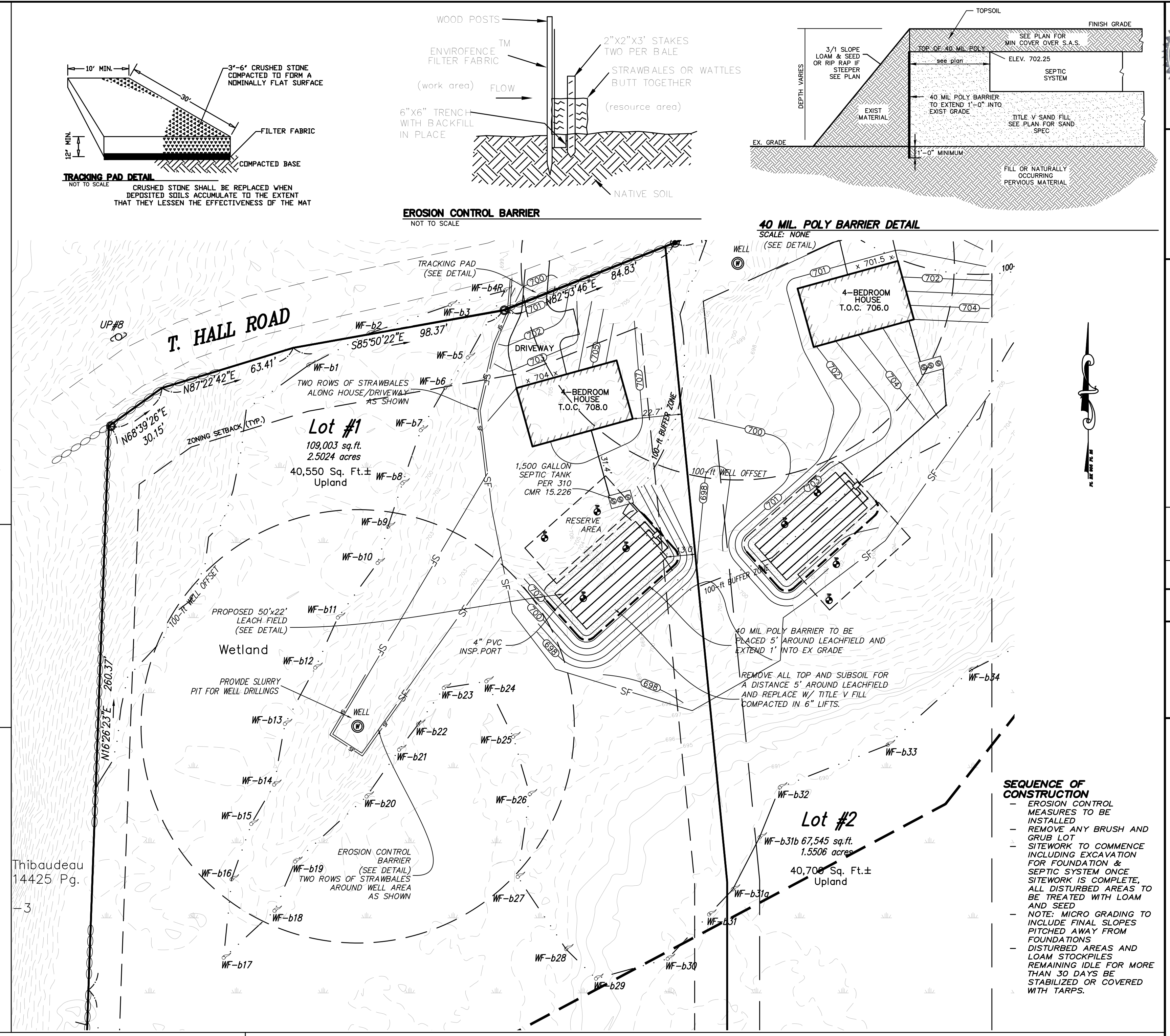
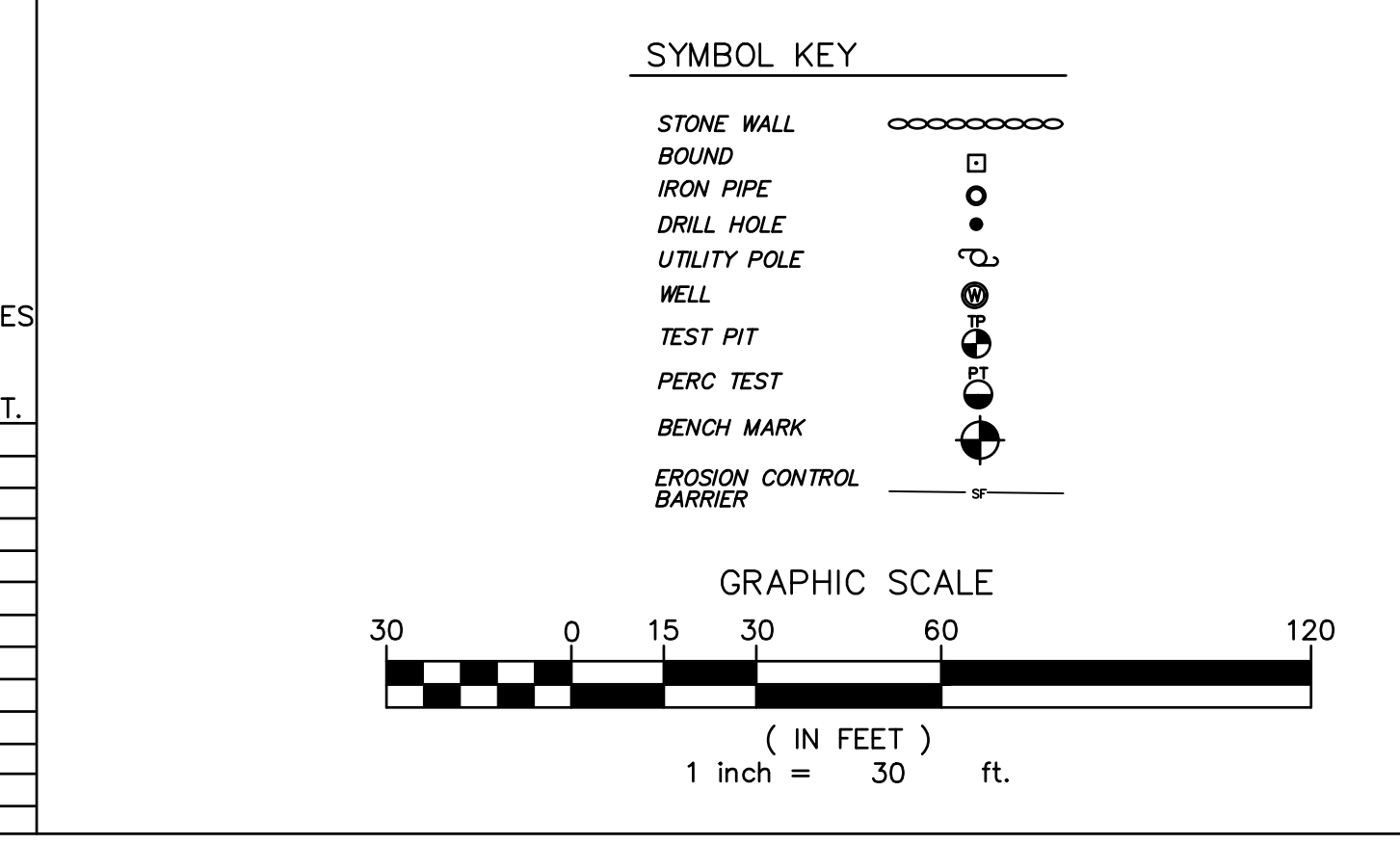
**PERCOLATION TEST DATA**

SOIL EVALUATOR: JASON DUBOIS  
WITNESSED BY: TOM PURCELL  
DATE: 9/16/2019

DEPTH:	1	2
FIELD RATE:	21 MPI	24 MPI
DESIGN RATE:	25 MPI	25 MPI
SOIL CLASSIFICATION:	2	2
L.T.A.R.	0.40	0.40

**TOWN OF CHARLTON**  
ZONE - A - AGRICULTURAL  
AREA - 60,000 S.F.  
FRONTAGE - 175'  
FRONT - 30 FT.  
SIDE - 15 FT.  
REAR - 30 FT.

**DIG-SAFE**  
PHONE # 877-344-7233



**JEREMY S. CROTEAU, P.L.S.**  
PROFESSIONAL LAND SURVEYOR  
M.A.L.C. NO. 4872

**JASON DUBOIS**  
PROFESSIONAL SOILS CONSULTANT  
M.A.L.C. NO. 4872

NO.	DATE	REVISION
1	15/11/20	ADDED STORMWATER CONTROLS
2	15/18/20	REVISED WETLAND FLAGS/ADDITIONAL E.C.
3	6/8/20	REVISED PER COMMENTS
4	6/16/20	REVISED PER COMMENTS

**NORTH**

**DOC**  
DESIGN CONSULTANTS  
508-769-6659  
508-344-2127

CLIENT: **NELSON BURLINGAME**  
184 BURLINGAME RD  
CHARLTON, MA 01507

**SEPTIC SYSTEM PLAN**  
SITE ADDRESS: T. HALL RD  
CHARLTON, MA

DRAWN BY: JDD  
CR'D BY: JDD  
DATE: 2-5-2020  
PROJECT #: 19-280

SCALE: 1" = 30'  
DWG. NO.: S-1