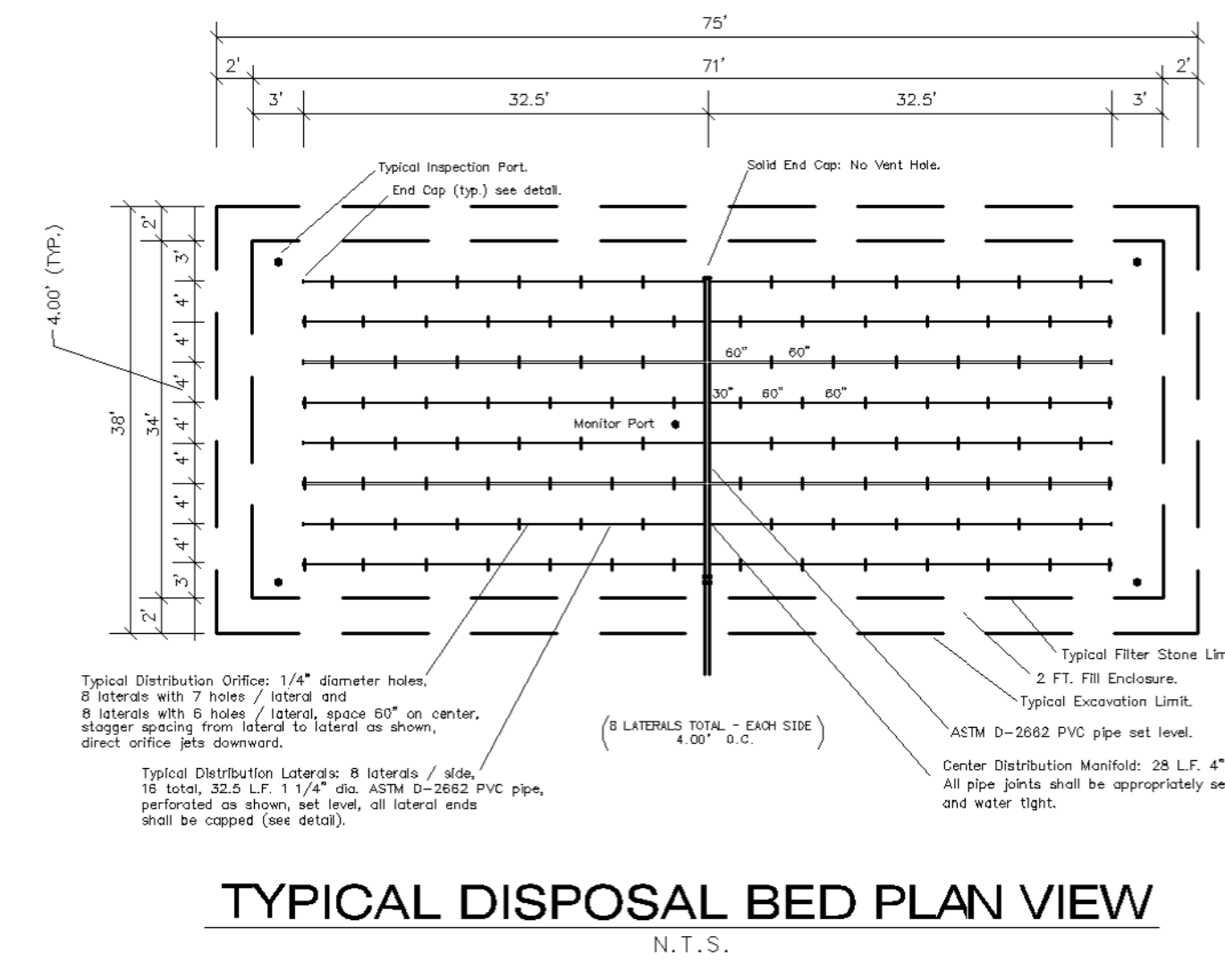
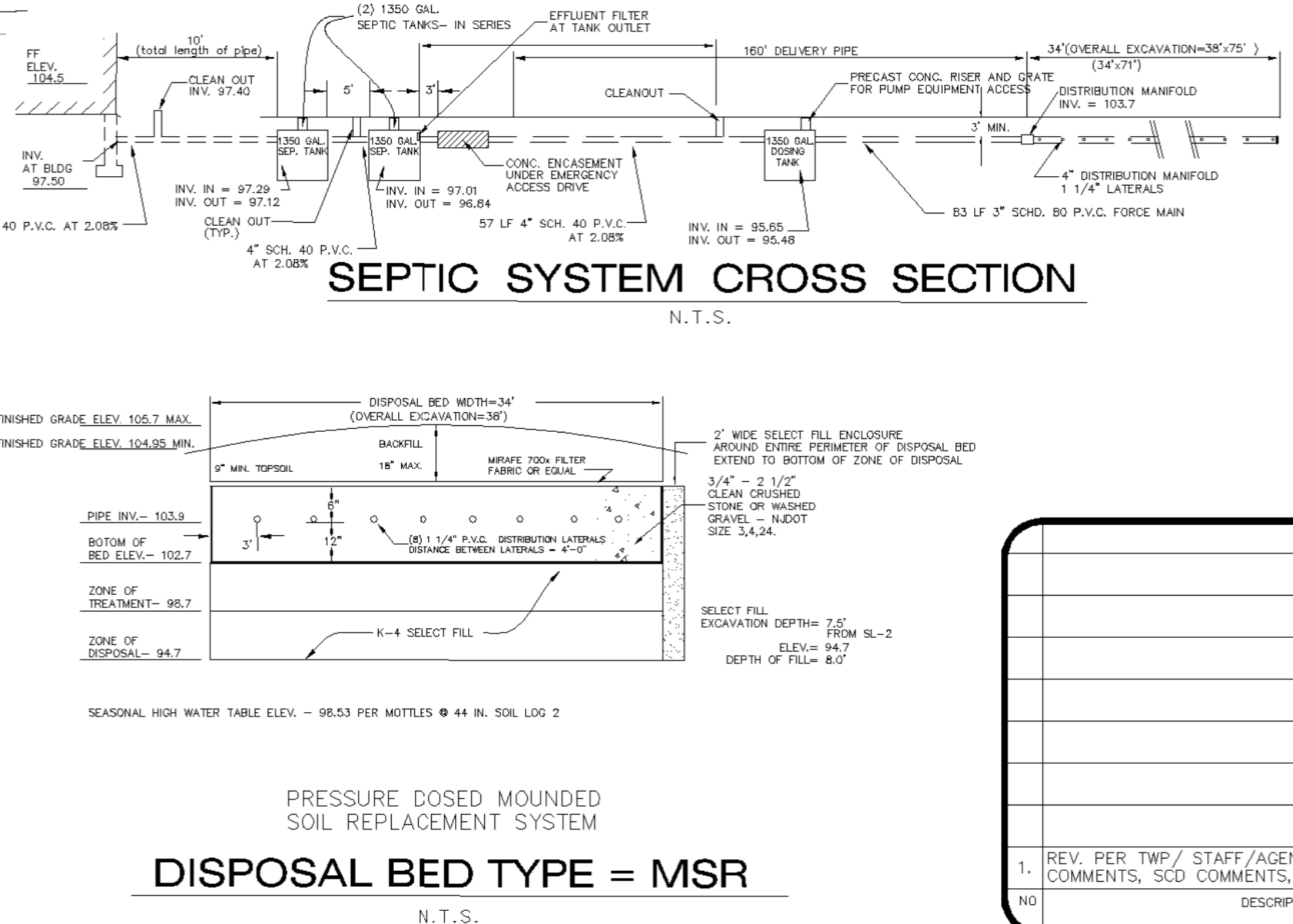
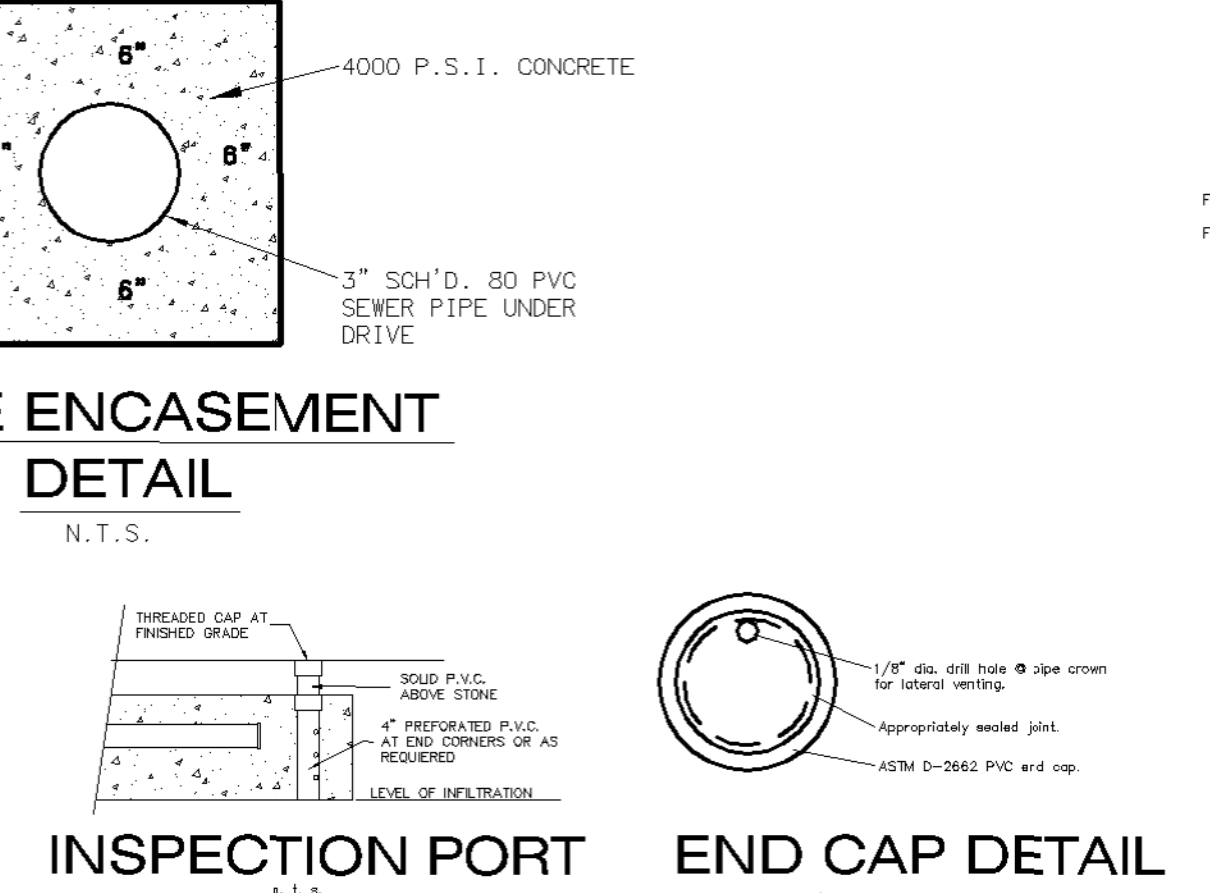
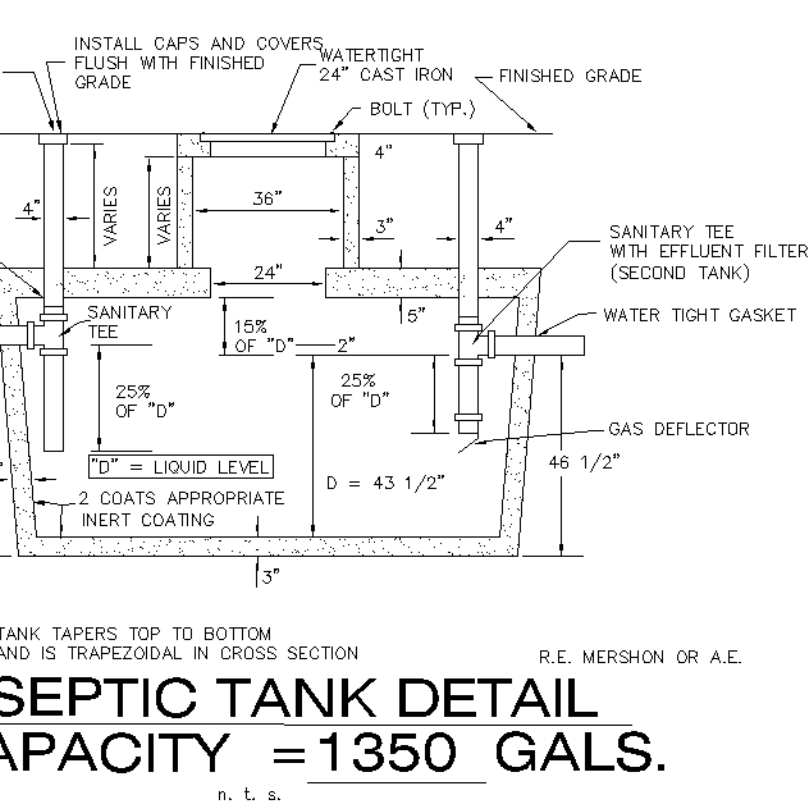
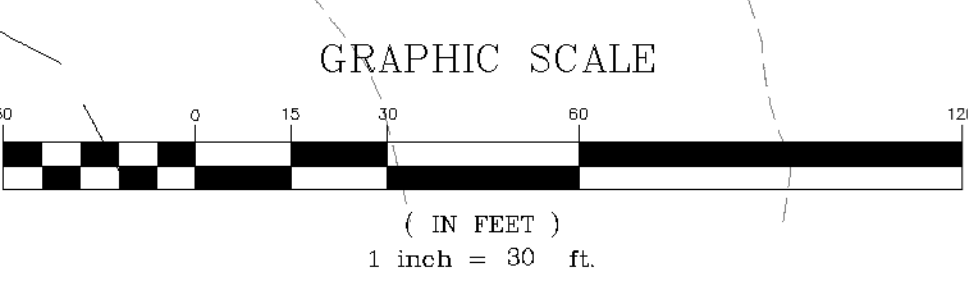


- GENERAL NOTES:**
- OUTBOUND AND TOPOGRAPHY SURVEY BY CREST ENGINEERING ASSOC.
  - SOIL LOGS PERFORMED BY CREST ENGINEERING ASSOCIATES & WITNESSED BY THE SOMERSET COUNTY HEALTH DEPARTMENT.
  - SOIL SUITABILITY CLASS: **II W<sub>2</sub>**
  - DESIGN DATA:
    - GENERAL ASSEMBLY-MAX OCCUPANCY = 587 x 3 GAL PERSON-HOUR
    - PERMEABILITY RATE = 6-20 IN/HR = 1.33 SF/GAL (PRESSURE Dosed)
    - AREA REQUIRED = 2342 S.F.
    - AREA PROVIDED = 2414 S.F.
  - WHEN FILL MATERIAL IS USED WITHIN THE ZONE OF TREATMENT OR DISPOSAL, FILL MATERIAL SHALL MEET THE REQUIREMENTS OF N.J.A.C. 7:9A-10.1(9) AND 5, OR SHALL MEET THE FOLLOWING REQUIREMENTS:
    - ASTM C-136 TEST METHOD FOR SIEVE ANALYSIS OF FINE AND COARSE AGGREGATE MUST BE USED FOR CHARACTERIZING ALTERNATIVE SELECT FILL.
    - THE FILL SHALL MEET THE STANDARDS OF ASTM C33-99 STANDARD SPECIFICATIONS FOR CONCRETE AGGREGATE, OR THE MATERIAL SHALL MEET THE FOLLOWING REQUIREMENTS:
      - COARSE FRAGMENT CONTENT (GREATER THAN A #80 SIEVE) LESS THAN 10% BY VOLUME OR LESS THAN 20% BY WEIGHT;
      - TEXTURAL ANALYSIS (COMPOSITION, BY WEIGHT, OF SIZE FRACTION PASSING THE PARTICULAR SIEVE AS STATED):
 

100% MUST PASS A 3/8" SIEVE;
BETWEEN 20 AND 60% MUST PASS # 16 SIEVE (1.18 MM);
BETWEEN 25 AND 60% MUST PASS # 30 SIEVE (0.6 MM);
BETWEEN 10 AND 100% MUST PASS # 50 SIEVE (0.3 MM);
BETWEEN 2 AND 100% MUST PASS # 100 SIEVE (0.15 MM).
      - PERMEABILITY FOR THESE MATERIALS IS ESTABLISHED FROM 6-20 INCHES PER HOUR FOR DESIGN PURPOSES.
    - COMPACTION: FILL MATERIAL SHALL BE SPREAD AND COMPACTED IN LAYERS OF ONE FOOT OR LESS IN THICKNESS. COMPACTION SHALL BE ACCOMPLISHED BY TAMING, ROLLING OR PUDDING.
  - SELECT FILL & COMPACTION SHALL BE CERTIFIED BY A PROFESSIONAL ENGINEER.
  - ALL CONSTRUCTION AND EXCAVATION SHALL BE WITNESSED BY THE SOMERSET COUNTY HEALTH DEPARTMENT.
  - LEVEL OF INFILTRATION SHALL BE CERTIFIED BY THE ENGINEER PRIOR TO THE PLACEMENT OF STONE. A VERBAL APPROVAL BY THE ENGINEER MUST BE RECEIVED BY THE HEALTH DEPARTMENT BY 9:30 a.m. ON OR BEFORE THE DAY OF SCHEDULED PIPE INSPECTION.
  - AS-BUILT DRAWINGS MUST BE RECEIVED BY THE HEALTH DEPARTMENT PRIOR TO FINAL CERTIFICATION OF THE SYSTEM. "AS-BUILT" INFORMATION MUST BE OBTAINED PRIOR TO FINAL BACK-FILLING OF TANK AND DISTRIBUTION BOX.
  - ANY SEPTIC TANK LOCATED IN VEHICULAR TRAFFIC AREAS OR HAVING GREATER THAN A FEET OF FILL COVER SHALL BE IN CONFORMANCE WITH ASTM #20 STANDARDS.
  - SEPTIC TANK SHALL BE TESTED IN PLACE FOR WATER TIGHTNESS IN ACCORDANCE WITH NJ STATE SEPTIC CODE.
  - NO PREPARATION OF FOOD OR WASHING OF DIRTY POTS, PANS, PLATES OR OTHER KITCHEN UTENSILS SHALL BE PERMITTED ON SITE.
  - WATER SOFTENER BACKWASH SHALL NOT DISCHARGE TO SEWAGE DISPOSAL SYSTEM AND SHALL BE IN CONFORMANCE WITH NJAC 7:14A-8
  - NO GARBAGE DISPOSAL UNITS SHALL BE CONNECTED TO THE SEWAGE DISPOSAL SYSTEM.

**SOIL LOG DATA**

SL	MOTTLES @ 40"	ELEV.	SHWT
SL-1	MOTTLES @ 40"	101.4	98.07
SL-2	MOTTLES @ 44"	102.2	98.53



**CREST**  
Engineering Associates Inc.  
Civil & Environmental Engineers  
Professional Planners - Surveyors - Landscape Architects  
CERTIFICATE OF AUTHORIZATION NO. 246A27989300

**JAYESH S. PATEL, P.E.**  
PROFESSIONAL ENGINEER NJ LIC. NO. 35306

DATE: 9/20/19  
SCALE: 1"=30'  
DRAWN: MJP  
CHECKED: PJP  
SHEET: 1 OF 1  
PROJECT: SEPTIC SYSTEM DESIGN

**LOT 6.03**  
**BLOCK 36.01**  
FRANKLIN TOWNSHIP  
SOMERSET COUNTY, NEW JERSEY

Z:\shared\drawings\501-6000\5817-PP\DWG\SEPTIC PLAN\_7/23/2020\_12:28:18 PM\_11\_1 STATION 113 - CD