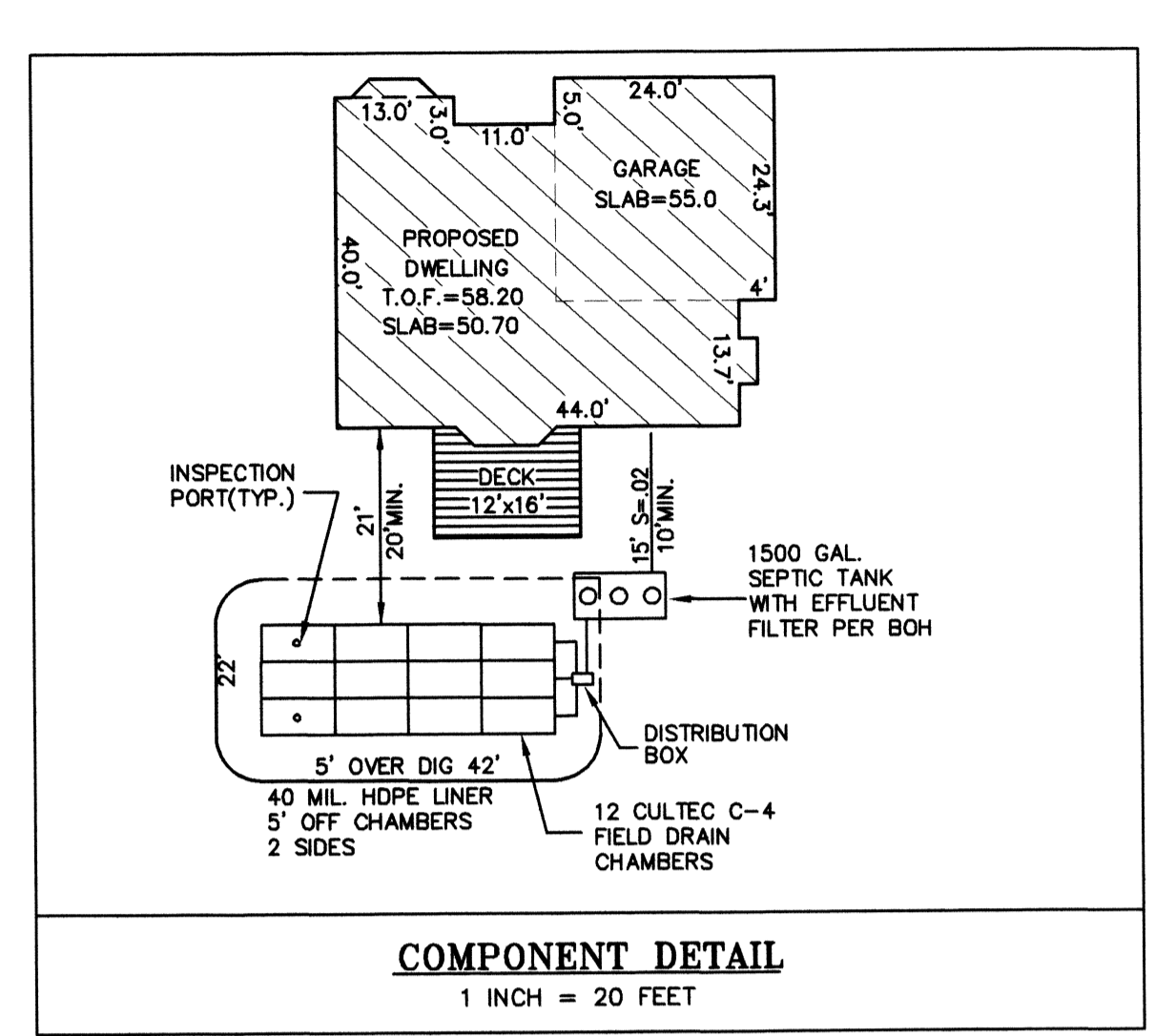


ZONING SCHEDULE

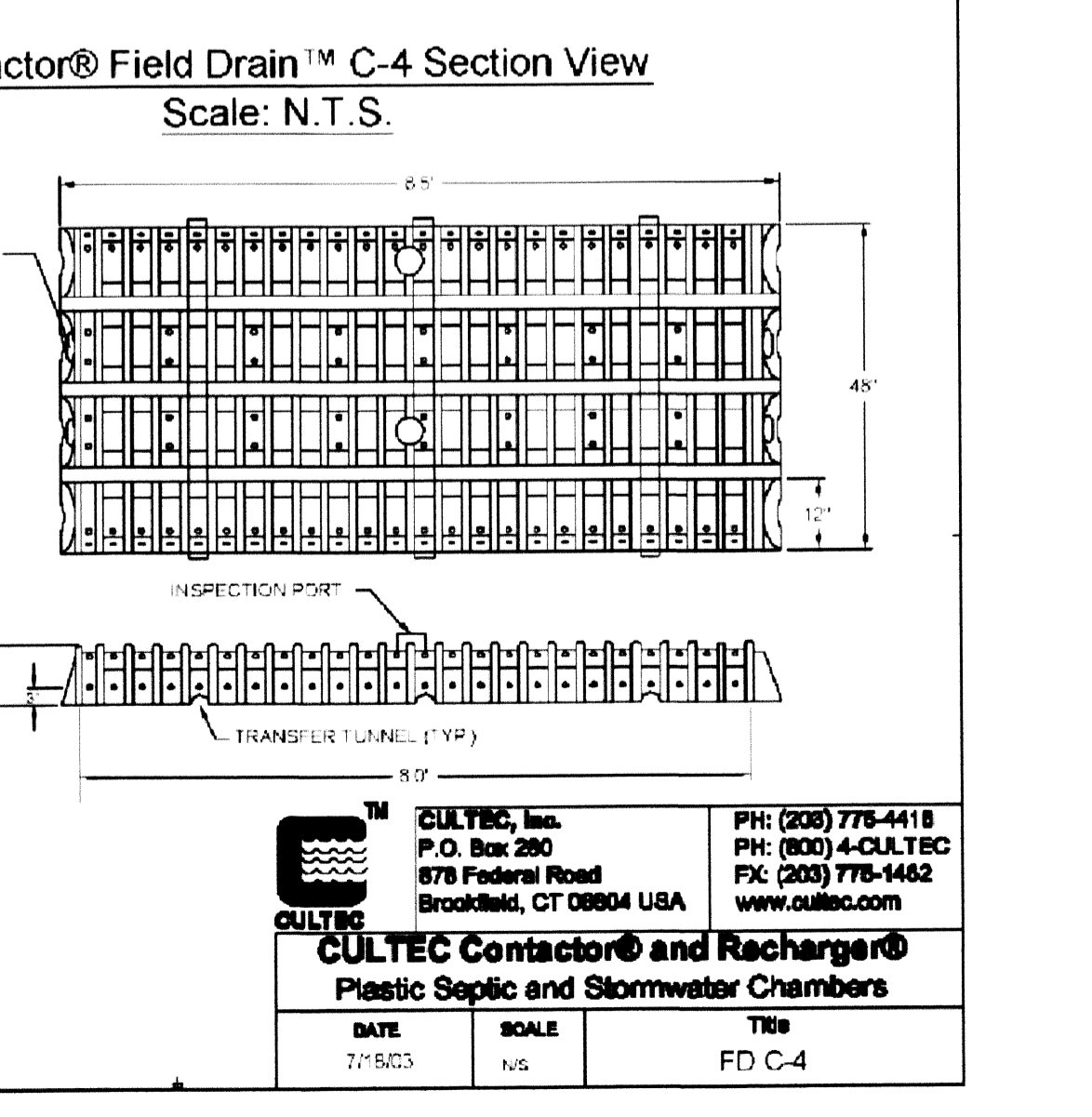
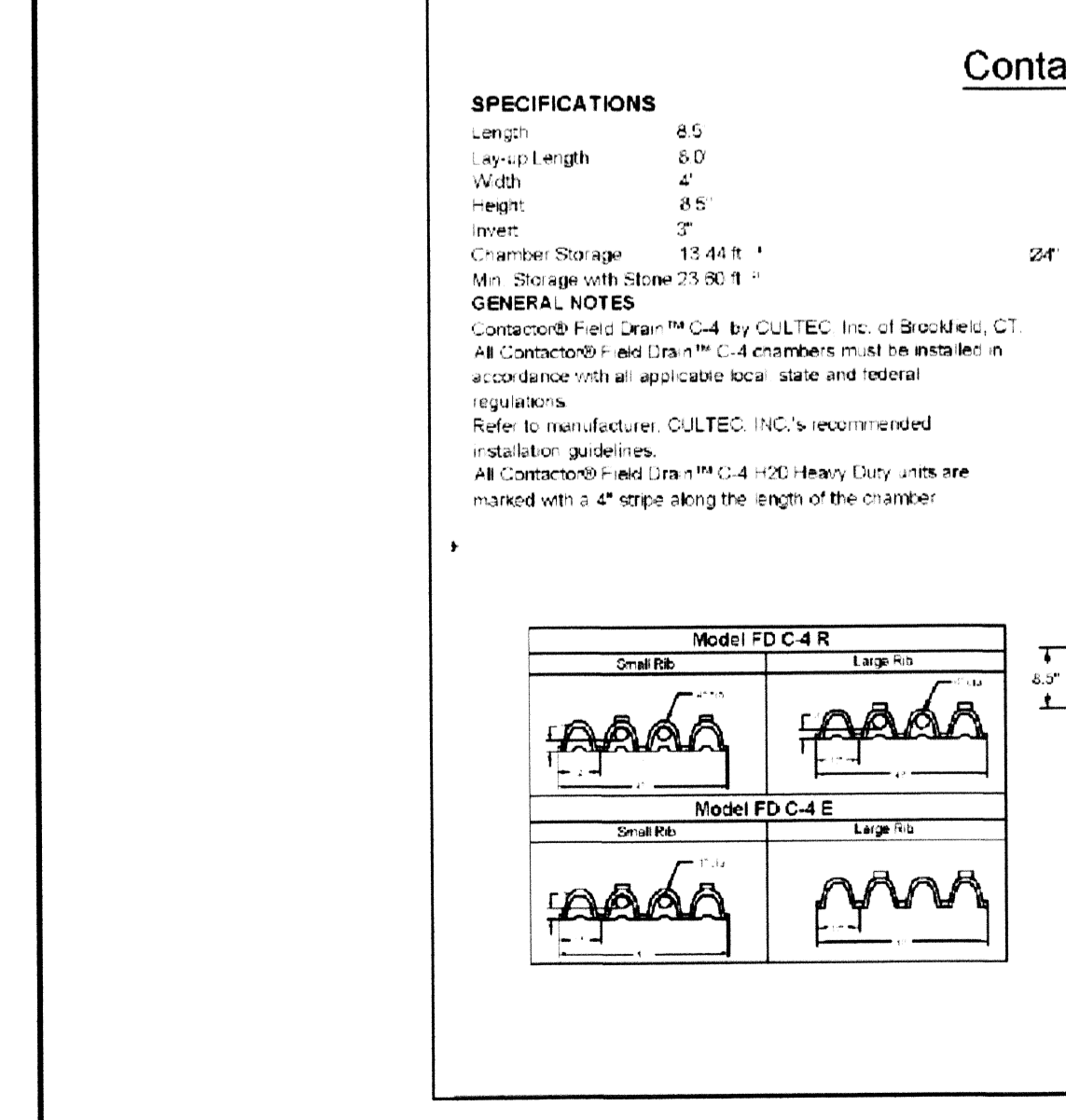
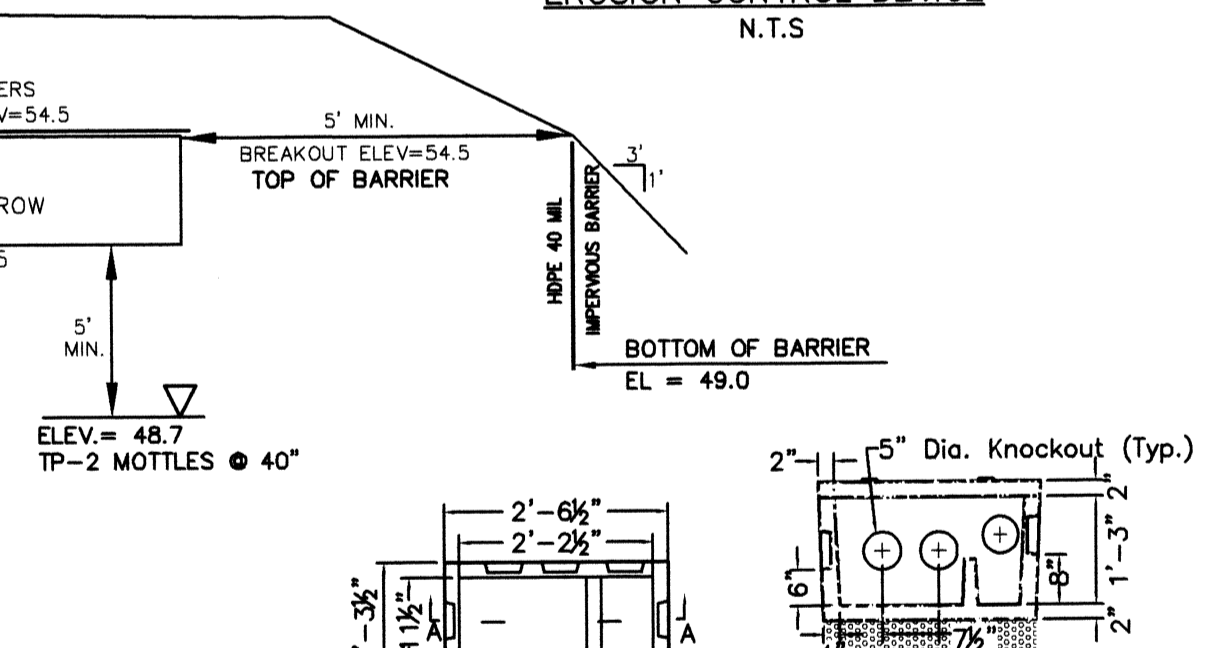
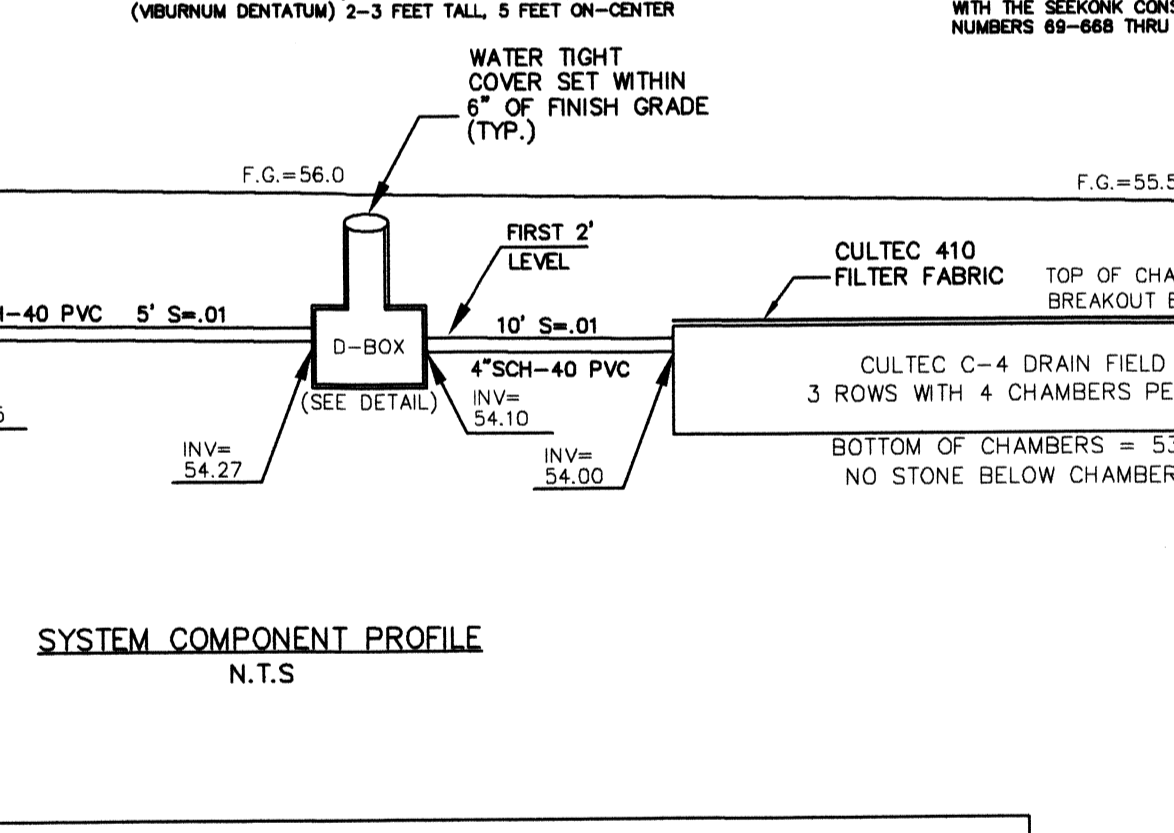
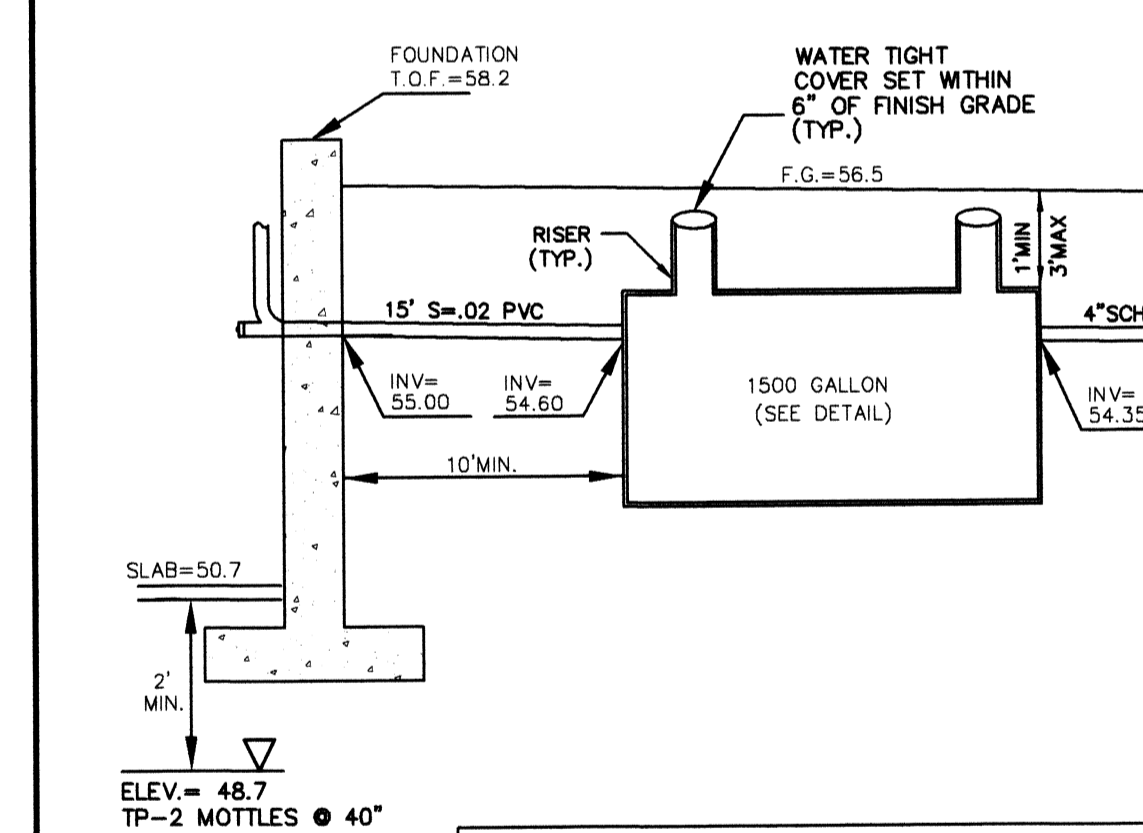
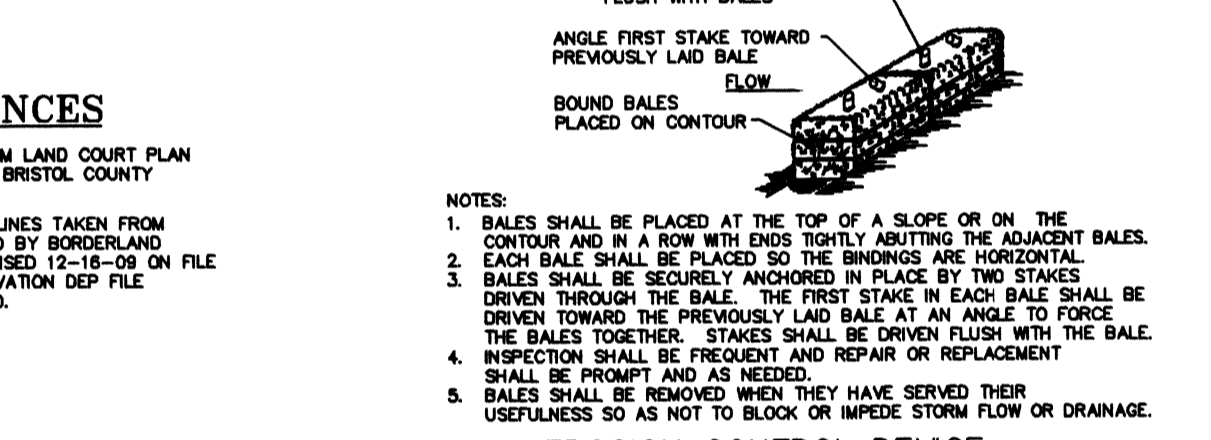
R-2 MINIMUM REQUIREMENTS

LOT AREA	22,500 S.F.
WIDTH AT REQUIRED FRONT YARD	150'
WIDTH AT STREET LINE	120'
FRONT YARD AND CORNER SIDE YARD	35'
REAR YARD	35'
DEPTH OF FRONT AND REAR YARDS	50% OF LONGEST SIDE
WIDTH OF INTERIOR SIDE YARD (2 STORY)	25'



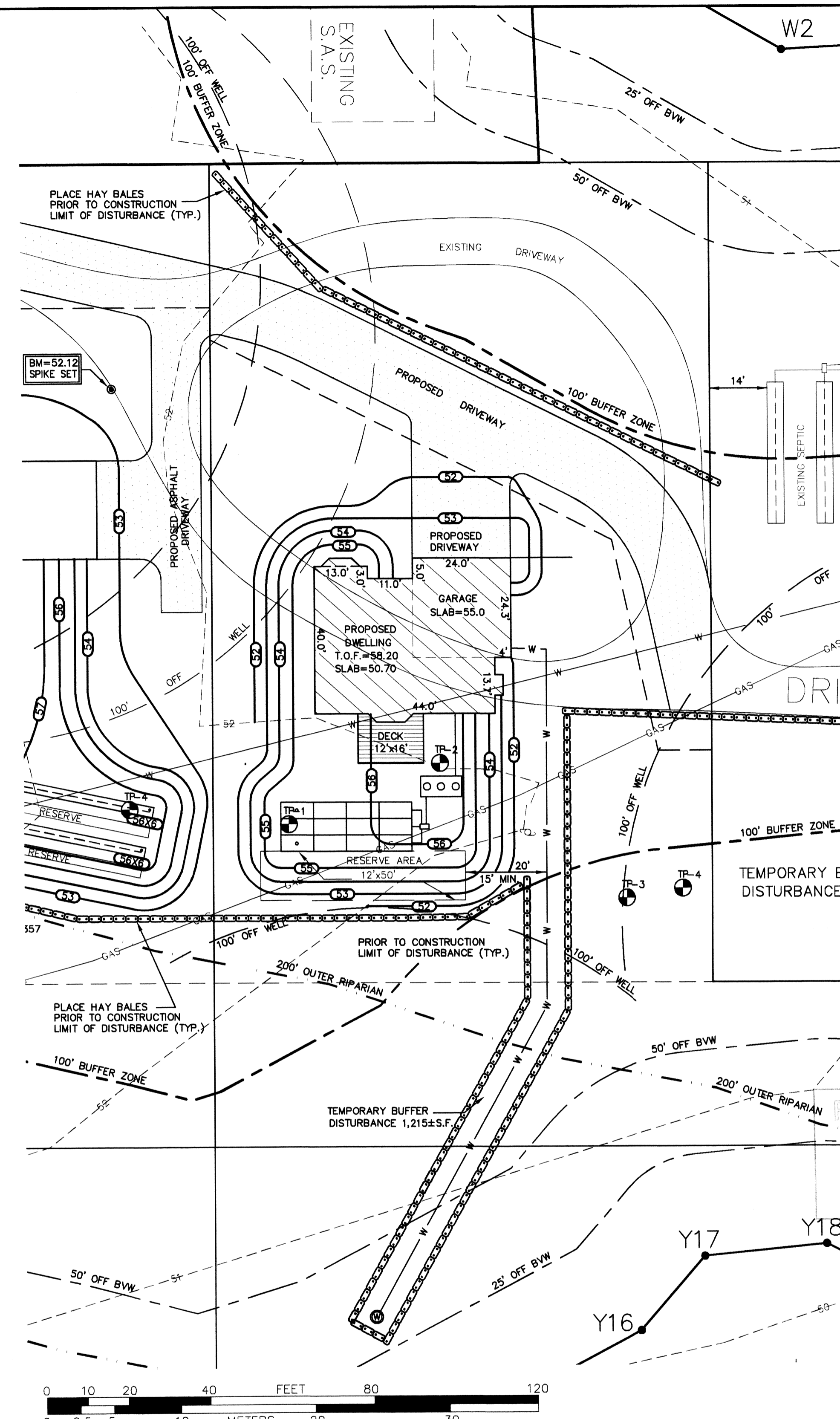
LEGEND

TV	PROPOSED WATER VALVE
T.O.F.	TOP OF FOUNDATION
W	WETLAND FLAG
Bj	TOP OF BANK FLAG
BM	BENCH MARK SET
W	PROPOSED WATER SERVICE
TP	TEST PIT LOCATION
---	EXISTING CONTOUR
---	PROPOSED CONTOUR
---	PROPOSED SPOT GRADE



NOTES & SPECIFICATIONS

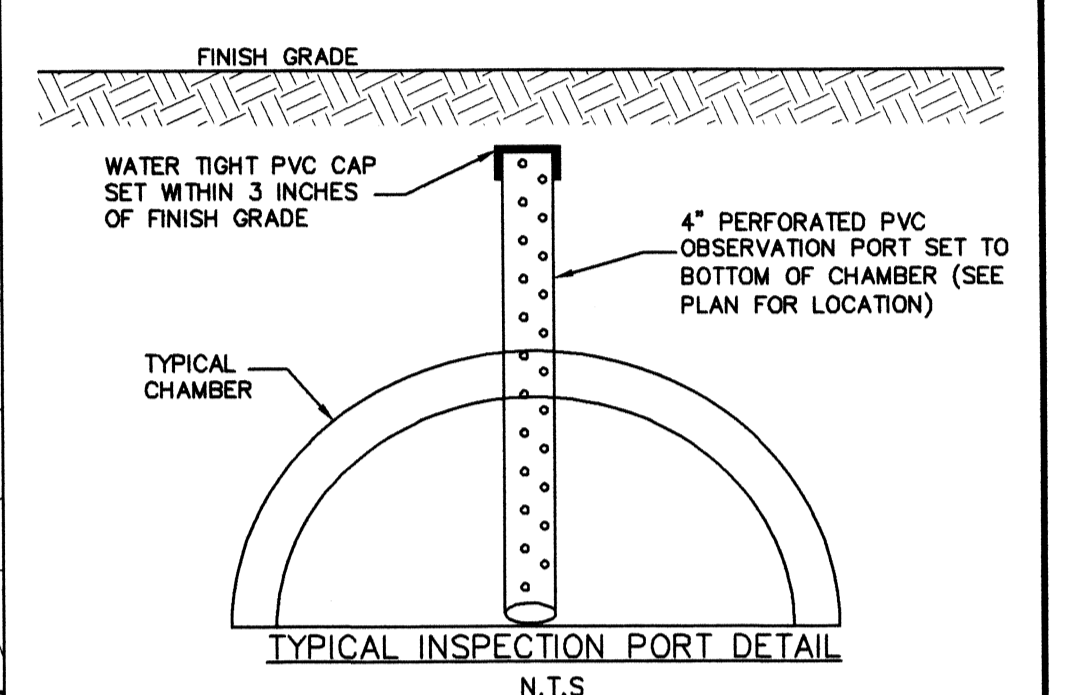
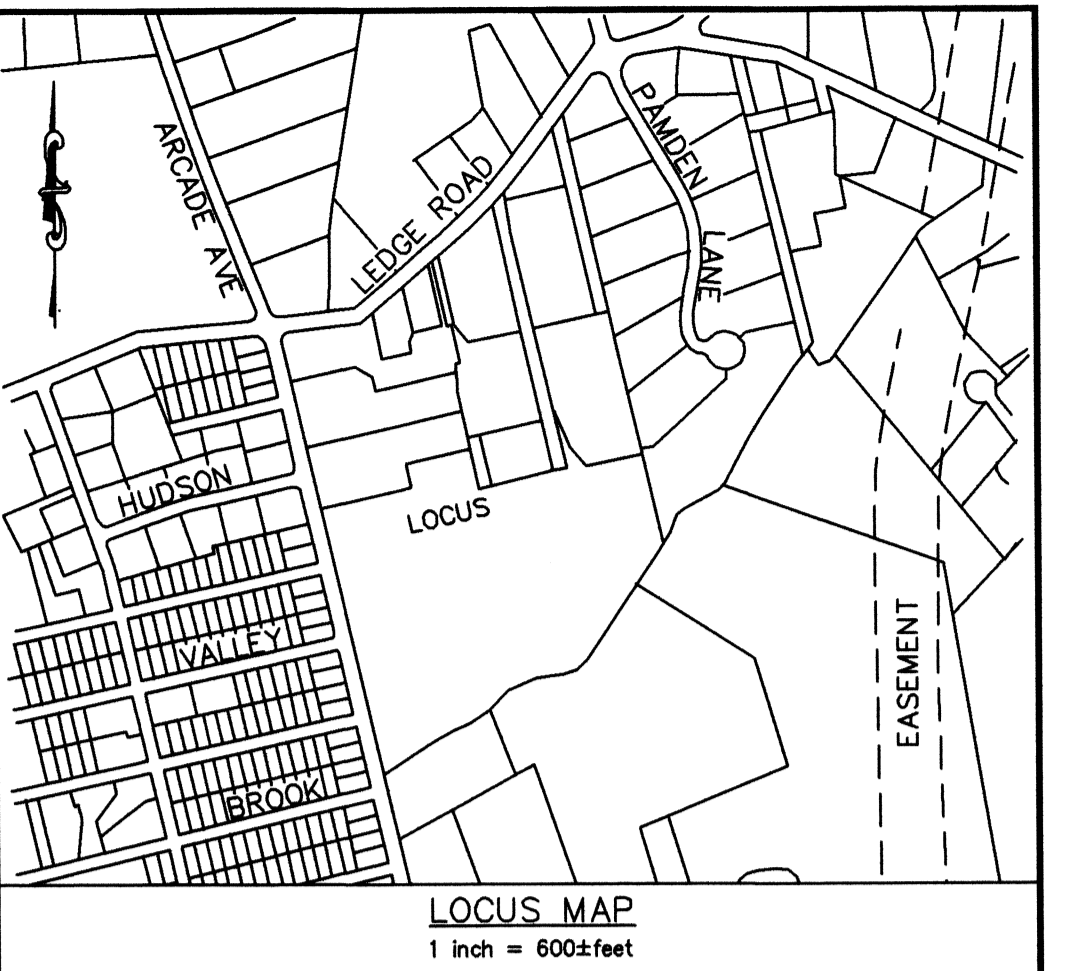
- The system for the subsurface disposal of sanitary sewage shall be constructed in accordance with the latest requirements of 310 CMR 15.000 The State Environmental Code, Title 5: Minimum Requirements for the Subsurface Disposal of Sanitary Sewage. The system shall also meet the latest local Municipal Board of Health regulations.
- Building sewer pipe and fittings shall be Schedule 40 PVC (polyvinyl chloride) manufactured in accordance with the latest requirements of ASTM D3034. Joints shall be solvent welded tight (tight joints). Pipe to be laid on firm compacted sand.
- Cost iron access manhole and cover, when required, shall have an interior dimension as noted or required by code and shall be medium or heavy duty, as noted.
- Perforated pipe, when required, shall be schedule 40 PVC (ASTM D1785) for entire length of system. All joints shall be tight joint. Orifice dia.=3/8" to 5/8".
- Washed stone and other soil materials shall be in conformance with Title 5.
- All unsuitable material in leaching area is to be excavated and back filled with clean gravel or coarse sand.
- Whenever system is to be constructed in zone of topsoil & subsoil or other deleterious material the material shall be removed and replaced for 5' ground system when below grade, and 5' ground system when above grade. Fill material shall be clean granular material with a permeation rate of 2 min./inch or less, be free of deleterious material, and properly compacted to minimize settlement, or allowed to settle for twelve months.
- Existing tank or cesspool shall be pumped free of sewage, filled with clean sand or removed from site and disposed of properly along with surrounding soil.
- This plan has been prepared for septic system construction purposes and should not be used to establish property lines.
- No changes shall be made in this plan without the authorization of the engineer and the Board of Health.
- Contractor must notify city and the local water department prior to beginning excavation work.
- A garbage grinder shall not be allowed to be installed in the dwelling on this site nor shall any other appliance which discharges wastewater into the system.
- There are no public wells within 100' bordering vegetated wetlands within 150 feet; storm drainage leading catch basins or dry wells within 50 feet; perennial stream within 200 feet; and any boundary of a regulatory floodway or 100 year flood within 150 feet, unless as shown on the plan.



NOTES & SPECIFICATIONS

- There are no known private wells located within 100 ft. of the system.
- Construction access is limited to the existing driveway. Prior approval and permitting from the Town of Seekonk Highway Department will be required for any area of disturbance within the right of way to obtain access or install the proposed system.
- Fill to be placed at edge of foundation where accessible during construction and pushed or cast inward over excavated or pushed or cast inward over excavated area.
- Fill shall not be placed during rain or snow storms.
- Detouring is required if fill is to be placed below ground water.
- Vent header shall be above invert of distribution piping.
- Vent pipe shall be backfilled to prevent seepage of surface water into system.
- Excavation shall be dry and aerated.
- It is recommended that septic tanks be inspected for cleaning once a year.
- This land refers to a portion of Seekonk Tax Map 18 Lot 65, 53 & 58.
- Elevations are NGVD.
- At the time of excavation for the septic tank and pump chamber, elevation of the ground water shall be verified. If encountered the buoyancy effect will be verified.
- 310CMR 15.025(3)(f) materials 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 two inches. A sieve analysis, using a #4 sieve, shall be performed on a representative sample of the fill. Up to 4.5% by weight of the fill sample may be retained on the #4 sieve. Sieve analyses also shall be performed on the fraction of the fill sample passing the #4 sieve, such analyses must demonstrate that the material meets each of the following specifications:

SIIEVE SIZE	EFFECTIVE SIEVE SIZE	% THAT MUST PASS SIEVE
#4	4.75mm	100%
#20	0.85mm	100%
#100	0.15mm	100%
#200	0.075mm	95-100%



LEACHING FACILITY DESIGN CRITERIA

TYPE OF BUILDING	SINGLE FAMILY DWELLING
# OF BEDROOMS	4
MIN. DAILY FLOW	4 x 110 = 440 GPD
PERC. DESIGN RATE	0.4 MIN./INCH
SOIL CLASS	
EFFLUENT LOADING RATE (GPD/SF)	0.24
NITROGEN SENSITIVE ZONE YES/NO	NO

CULTEC FIELD DRAIN CONTACTOR C4

EFFECTIVE LEACHING AREA = 6.7 SF/LF
 REQUIRED AREA = 440 GPD / 0.74 GPD/SF = 595 SF
 595 SF / 6.7 SF/LF = 88.7 LF (REQUIRED)
 88.7 LF / 8 LF PER UNIT = 12 UNITS
 USE 3 ROWS WITH 4 UNITS PER ROW = 12 UNITS
 12 UNITS x 8 LF PER UNIT = 96 LF
 DESIGN FLOW = 96 LF x 6.7 SF/LF x 0.74 = 475 GPD

I certify that the septic system shown hereon has been designed in accordance with 310 CMR 15.000 (Title V) State Environmental Code and local Board of Health Regulations.

APR 27 2010
 SEEKONK CONSERVATION
 PROFESSIONAL ENGINEER
 DATE

REVISIONS

No.	DATE	DESCRIPTION
1	1-4-10	WETLAND LINE APPROVAL
2	3-19-10	BOARD OF HEALTH COMMENTS
3	4-24-10	ADD WELL

BORDERLAND ENGINEERING, INC.

Civil Engineering • borderlandeng.com • Site Planning
 5 Pear Tree Lane West Bridgewater, MA 02379 office 508-510-6938 fax 508-510-6941

SUBSURFACE SEWERAGE DISPOSAL SYSTEM

IN
SEEKONK, MASSACHUSETTS
 Lot 3 Arcade Avenue
 MAP 18 LOT 201

Owner / Applicant: John Dias
 30 Oakhill Drive
 Johnston, RI 02919

DRAWING SCALE: AS SHOWN
 PROJECT NUMBER: P1116
 DATE: July 10, 2008 SHEET 1 OF 1