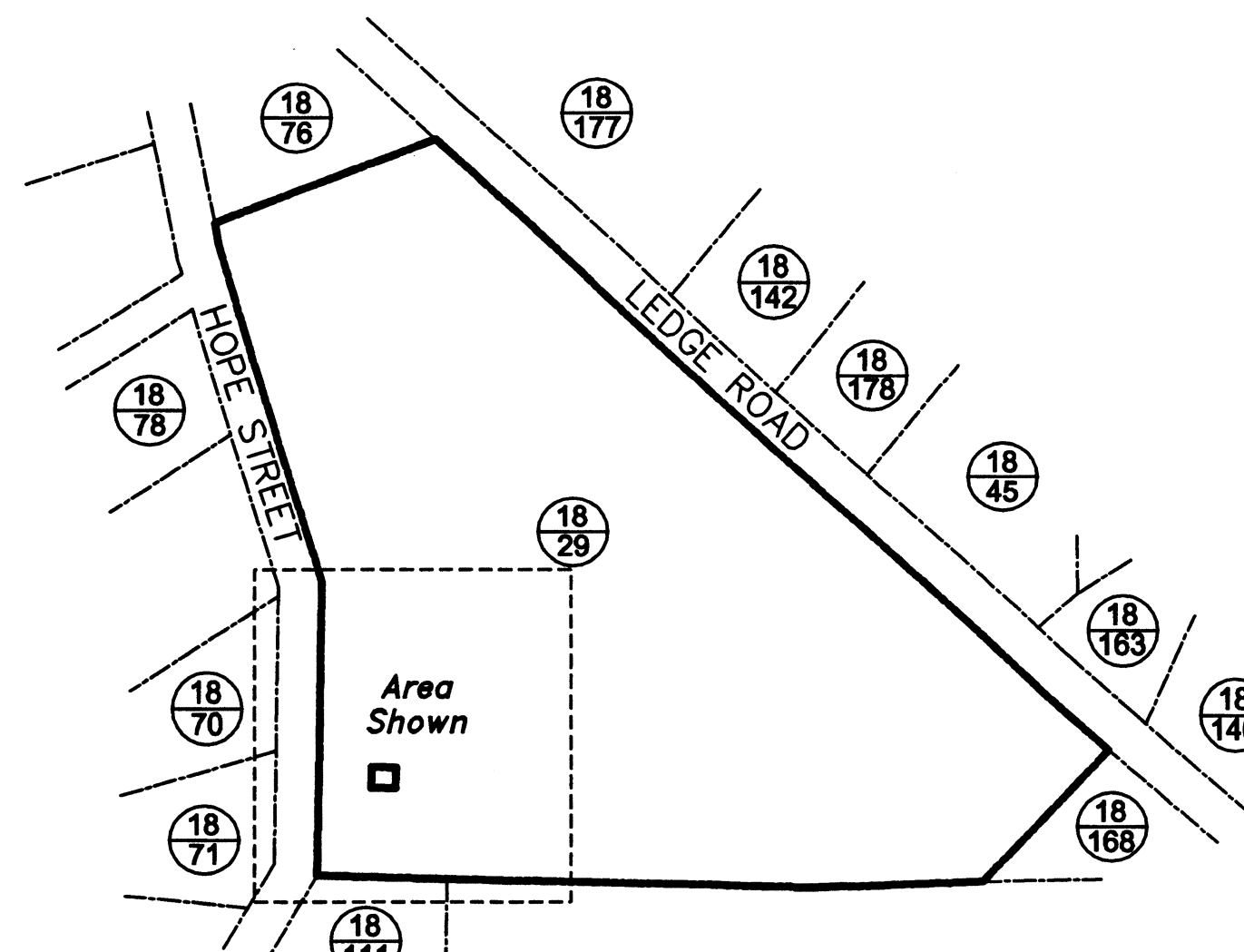
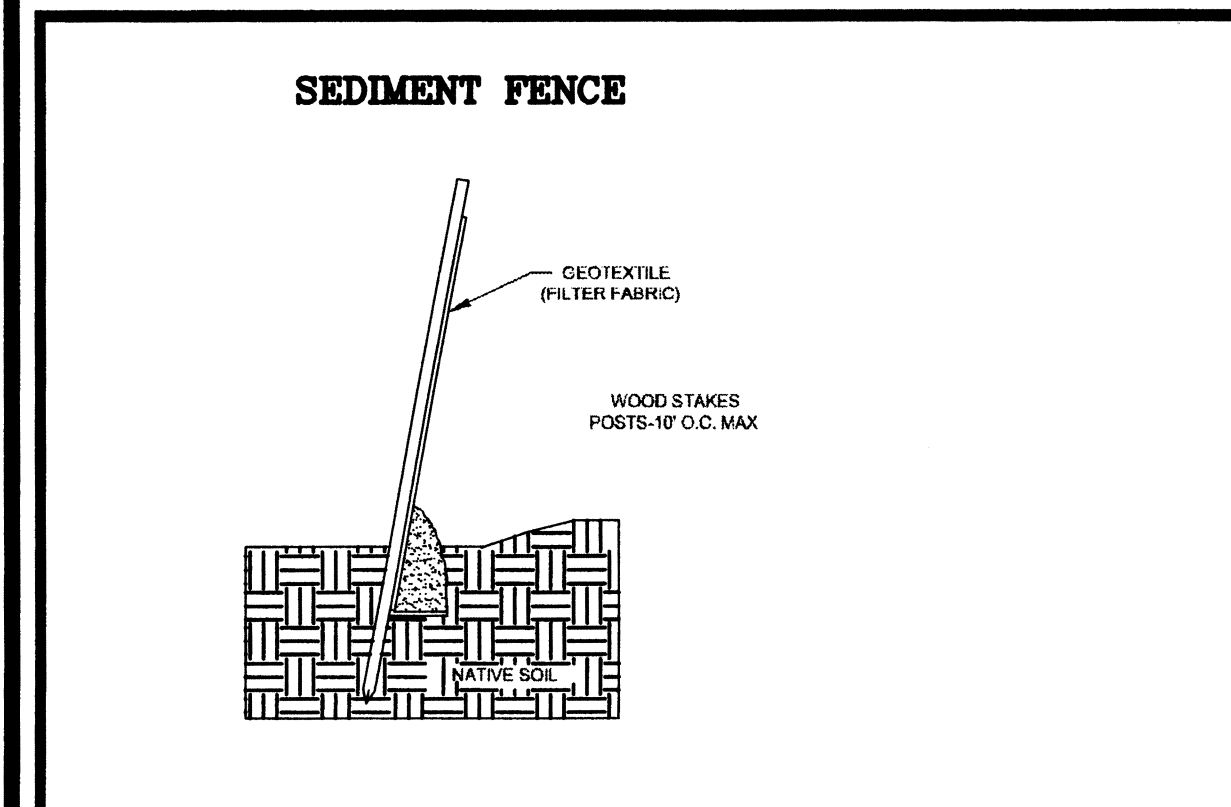


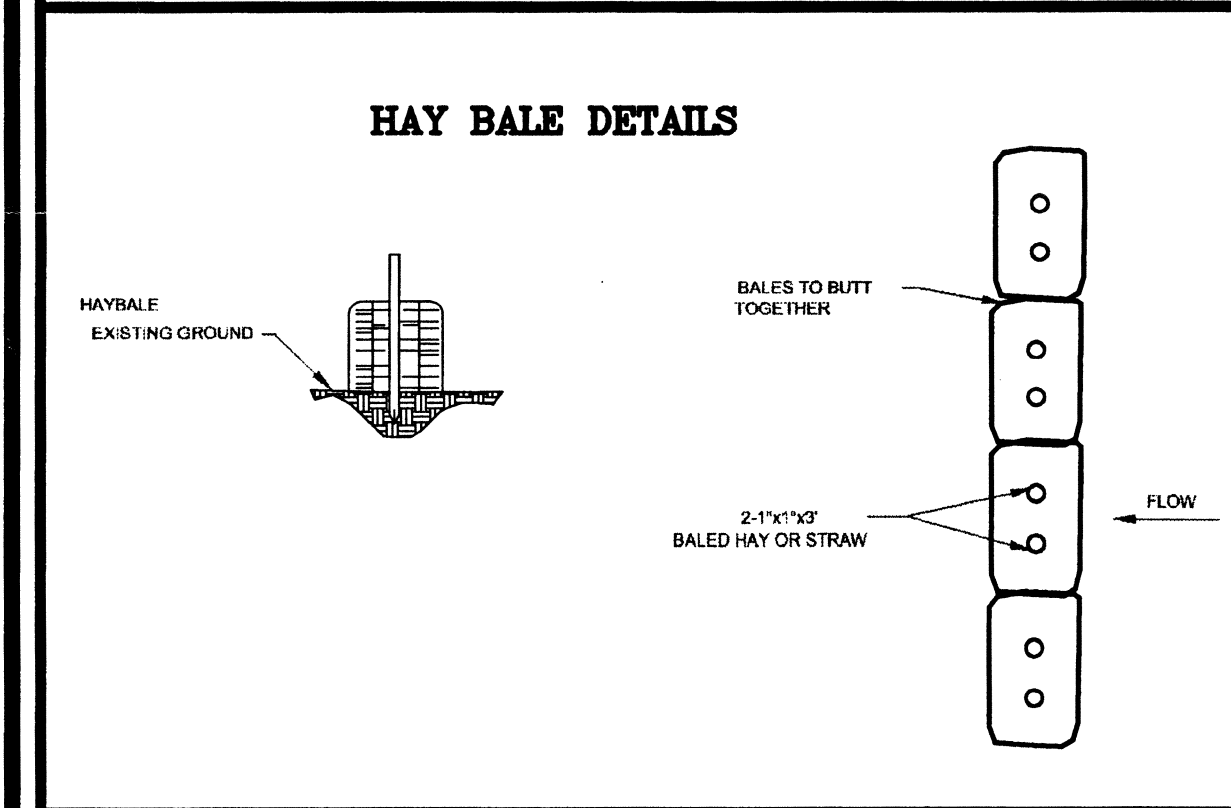
LOCUS MAP
(Not to Scale)



LOCATION MAP
1"=800'±



SEDIMENT FENCE

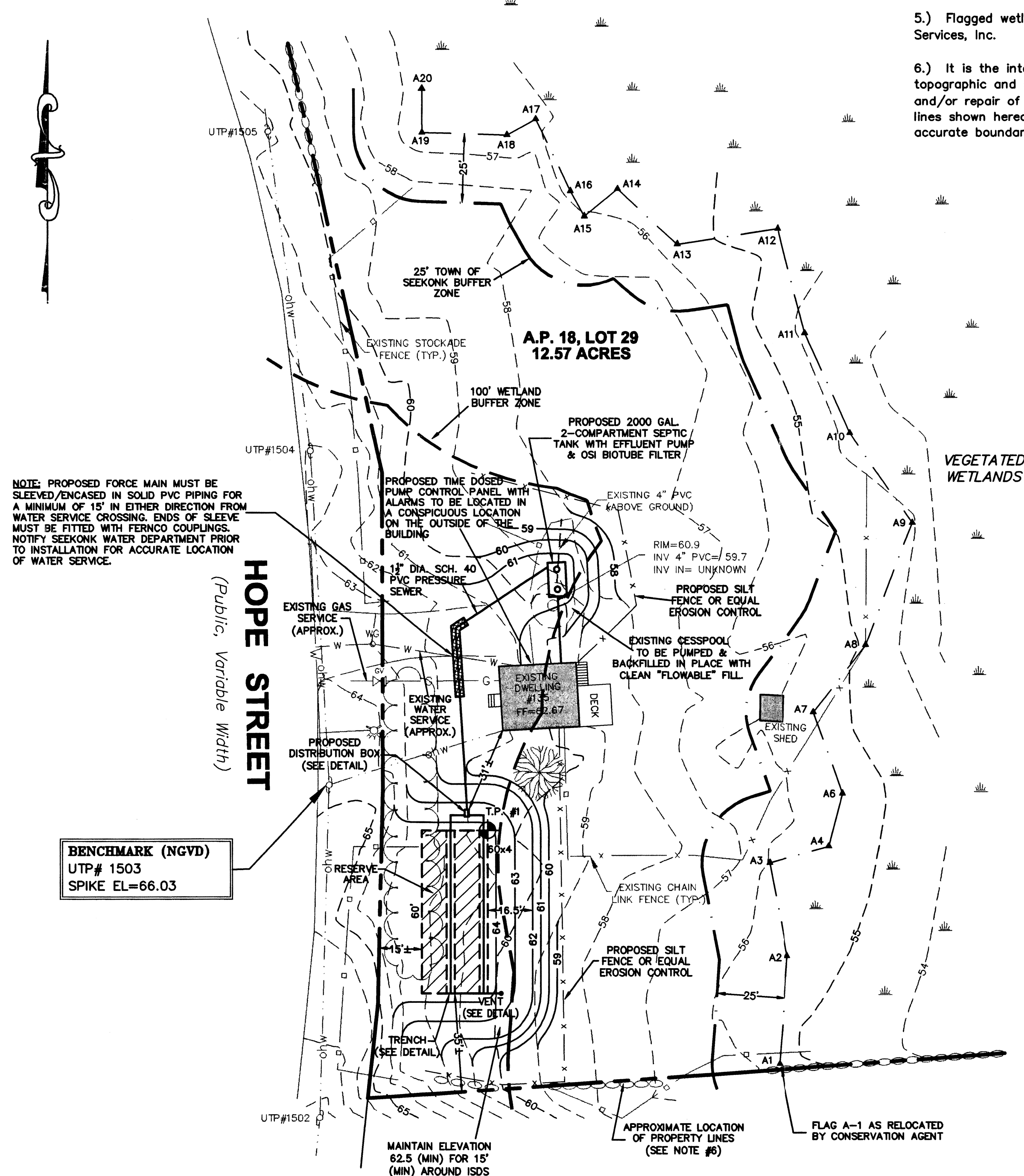


HAY BALE DETAILS

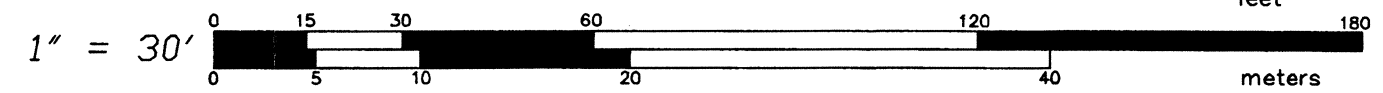
HAYBALE AND SILT FENCE DETAIL
NOT TO SCALE

SOIL LOG / PROFILE	
PERFORMED BY: MATTHEW W. COTE, P.E. WITNESSED BY: HAROLD E. CHENEVERT, B.O.H. DATE: 3-13-06	
SOIL TYPE: II	
TP A	
0-12" HORIZON A LOAM 10 YR 2/1 FRIABLE	
12-30" HORIZON B LOAMY SAND 2.5 Y 5/8	DEPTH TO GROUNDWATER
30-48" HORIZON C1 SANDY LOAM 2.5 Y 5/3 WET	SEEPAGE IN HOLE = 48" (3-13-06) ESTIMATED HIGH GROUNDWATER = 48"
48-60" HORIZON C2 SILTY LOAM 2.5 Y 4/2 VERY FIRM AND WET	PERCOLATION RATE
60-88"+ HORIZON C3 FINE SAND 2.5 Y 3/2 LOOSE (HOLE KEPT COLLAPSING)	5 MIN/IN DETERMINED PER SEIVE ANALYSIS AND BOARD OF HEALTH AGENT (SEE NOTE) 10 MIN/IN USED FOR DESIGN

NOTE:
VARIANCE REQUESTED FROM 310 CMR 15.104:
PERCOLATION TESTING TO UTILIZE SEIVE ANALYSIS
IN LIEU OF ACTUAL PERCOLATION TEST OF SOILS
DUE TO WETNESS.



BENCHMARK (NGVD)
UTP# 1503
SPIKE EL=66.03



SEE SHEET 2 OF 2 FOR ADDITIONAL NOTES & DETAILS

Notes:

- The underground utilities shown have been located from field survey information and existing drawings. The Surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The Surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The Surveyor has not physically located the underground utilities. (Please contact DIGSAFE prior to construction @ 1-888-344-7233.)
- Project site is located mostly within "Zone C" (areas of minimal flooding) and partially within "Zone A" (areas of 100 Year Flood Plain - base elevation not determined) as shown on F.E.M.A. Flood Insurance rate map for the Town of Seekonk, Massachusetts, Bristol County, Community Panel No. 250063 0010 A, having an effective date of September 5, 1979.
- Project Benchmark: RM 22 - Top of hydrant spindle located about 150' southeast of intersection of Ledge Road and Hope Street. Elevation=65.51 (NGVD) (See Ref. 2)
- The lot shown hereon is not located within any Town Reservoir/Acquifer Districts.
- Flagged wetland limits conducted by Natural Resource Services, Inc.
- It is the intent of this plan to depict/provide necessary topographic and site data as required for the replacement and/or repair of the existing cesspool/sewage system. Property lines shown hereon are approximate and do not reflect an accurate boundary survey by Garofalo & Associates, Inc.

SEWAGE DISPOSAL SYSTEM NOTES:

- All other design, construction and maintenance requirements, whether noted hereon, or not, shall be in conformance with, MA Sanitary Code Title V & Seekonk Board of Health Regulations.
- Maintain breakout elevation 62.5 for 15' around system. All sloping beyond must be 3:1 minimum.
- See Sewage Disposal System specifications attached.
- Clear all trees and stumps within 10' of system.
- There shall be no water lines, subsurface, foundation or storm drains within 15' of system.
- Comply with any additional terms of approval as may be required by Seekonk Board of Health and Conservation Commission.
- Cast iron pipe or equal from building to septic tank. SCH40 PVC pipe to be used in system unless otherwise noted.
- All soil containing fines, at least 6" below the proposed system, and 5" on all sides, shall be stripped and backfilled with a course free draining soil to at least 2" above the top of the distribution pipes in the leach field. Strip to elevation 55.0 or as requested by Swansea Board of Health.
- Bench mark must be maintained within 50'-75' of the proposed Sewage Disposal System prior to and during construction.
- There are no known wells existing or proposed within 150' of the proposed Sewage Disposal System nor are there any other Sewage Disposal System within 150' of the proposed well except as noted.
- Wetland location shown hereon represents a flagged edge by a qualified biologist of Natural Resource Services and was field located by Garofalo & Assoc.
- There are no known existing or proposed public sewers or drains within 200' of the proposed system unless otherwise noted.
- All stages of Sewage Disposal System installation must be supervised by system designer and Seekonk Board of Health agent.
- An effluent filter approved by DEP shall be installed on the outlet tee of the septic tank.

DESIGN CALCULATIONS

Design Perc Rate = 10 Min./in (soil type II)
3 Bedroom home @ 110 GPD/bdrm = 330 GPD
Based on soil type: loading rate = 0.80 gpd/sf
330 / 0.80 = 550 SF
550 s.f. min. needed for Leaching area

BOTTOM:

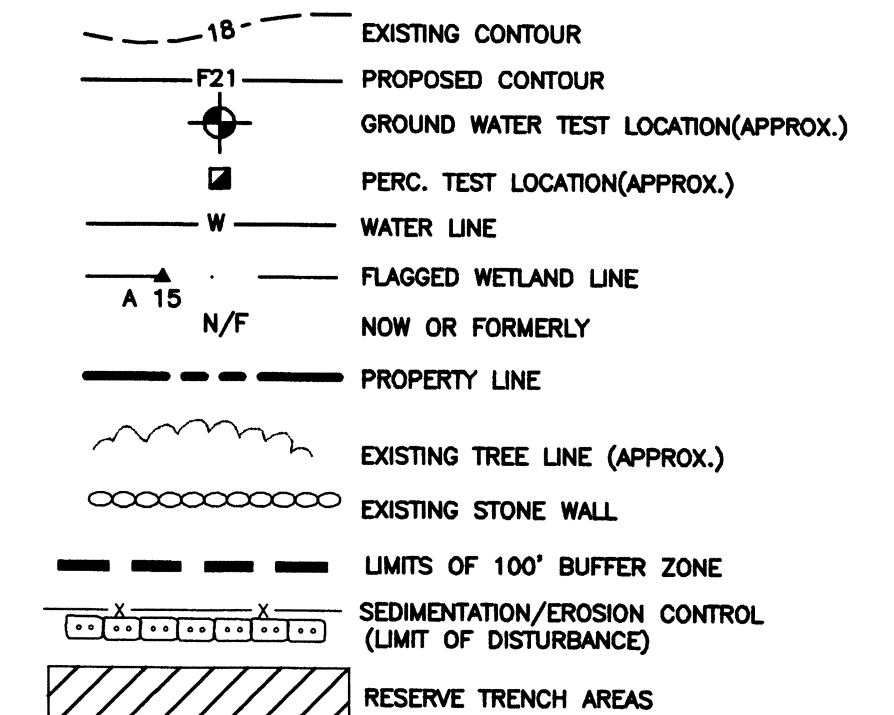
2 Trenches @ 3' wide x 60' long = (2)x(180 SF) = 360 SF

SIDEWALL:

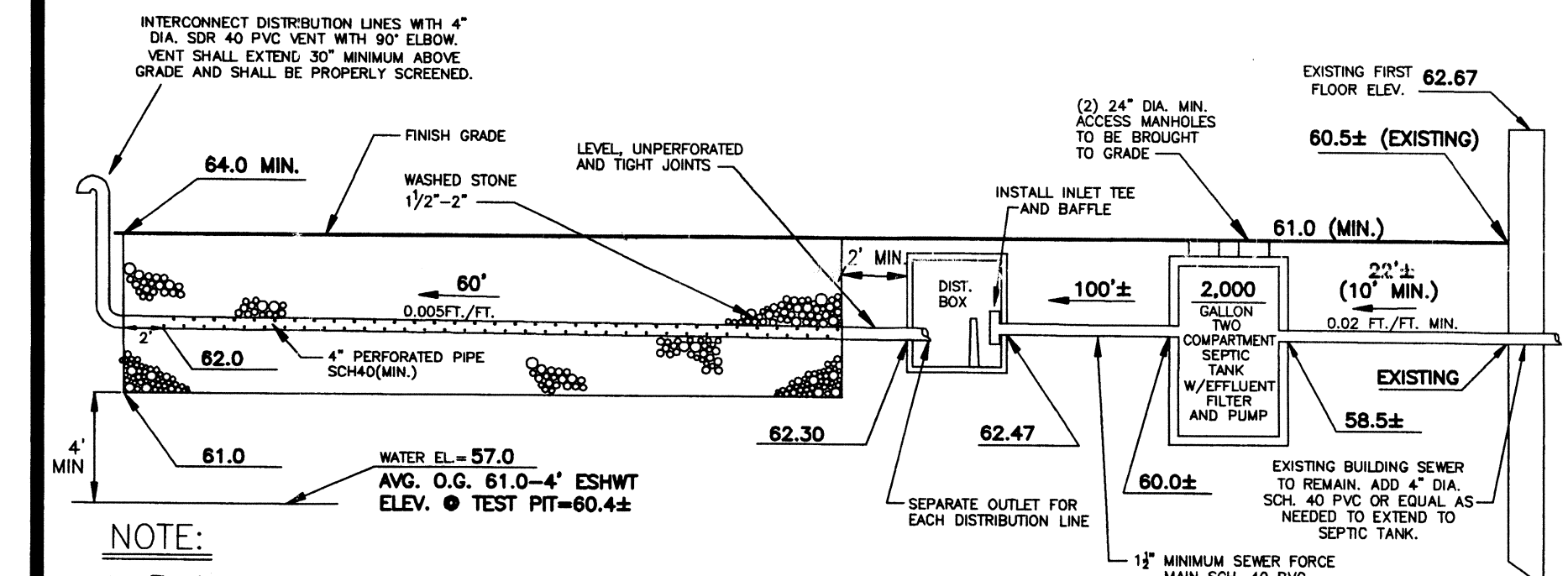
2 Trenches x 2 walls x 1' deep x 60' long = (4)x(60 SF) = 240 SF
Σ = 600 SF Provided

600SF > 550 SF
Provided Required

LEGEND



Owner / Applicant: Mr. Nathaniel Rendine et al

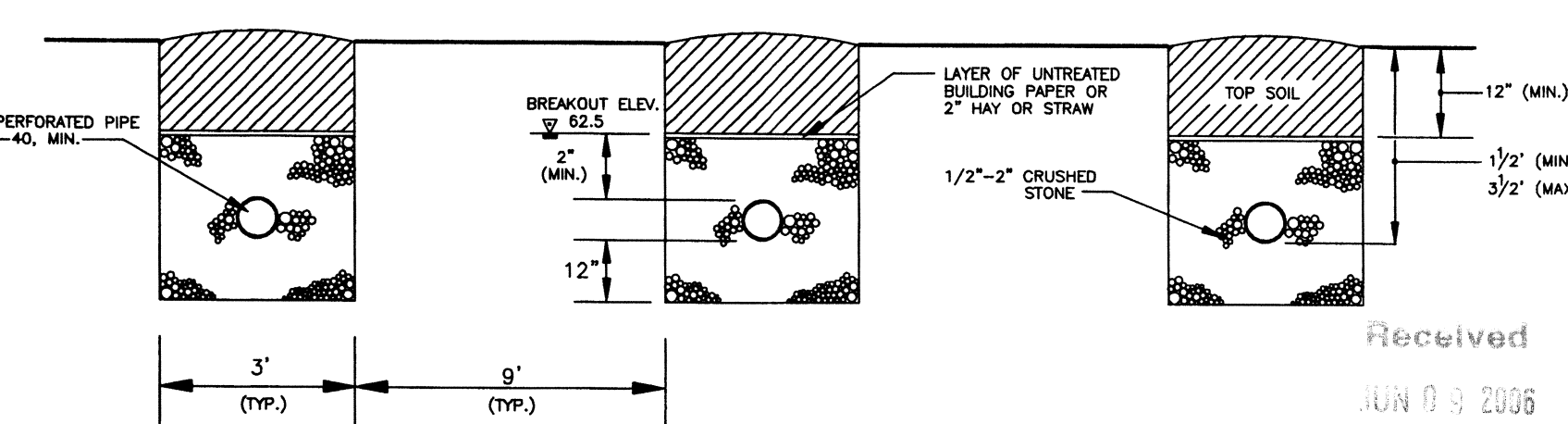


NOTE:

- The two compartment septic tank meeting requirements of Title 5, 310 CMR, 15.224 & 15.226 shall be provided with an inlet tee, an outlet tee with effluent filter and access manholes to grade. Set covers to divert runoff.
- The distribution box shall have a minimum bottom area of 3 s.f. and shall withstand H-20 wheel loads and shall have an inlet tee or baffle.
- All piping shall be 4" diameter Sch. 40 unless otherwise noted.

TYPICAL TRENCH PROFILE

NOT TO SCALE



TYPICAL TRENCH CROSS SECTION

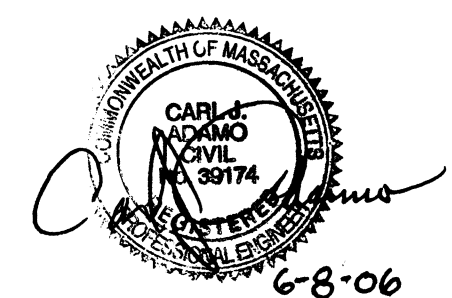
NOT TO SCALE

REVISED 6/8/06 TO REFLECT APPROXIMATE RELOCATION OF WETLAND FLAG A-1

PLAN OF PROPOSED SITE ALTERATIONS FOR REPAIR/REPLACEMENT OF SEWAGE DISPOSAL SYSTEM

135 HOPE STREET
ASSESSORS MAP #18, PORTION OF LOT 29
SEEKONK, MASSACHUSETTS

PREPARED FOR
Mr. Nathaniel J. Rendine



SCALE: 1" = 30'

DATE: 4/21/06

