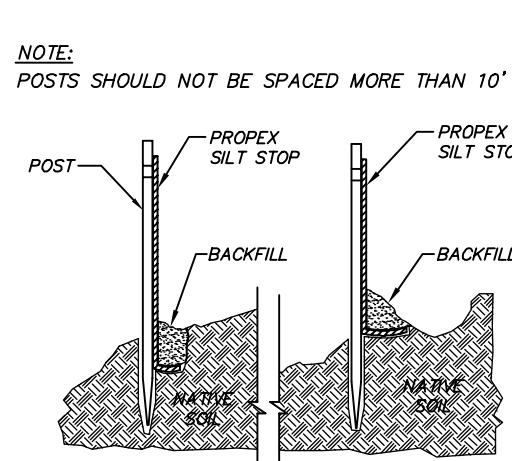
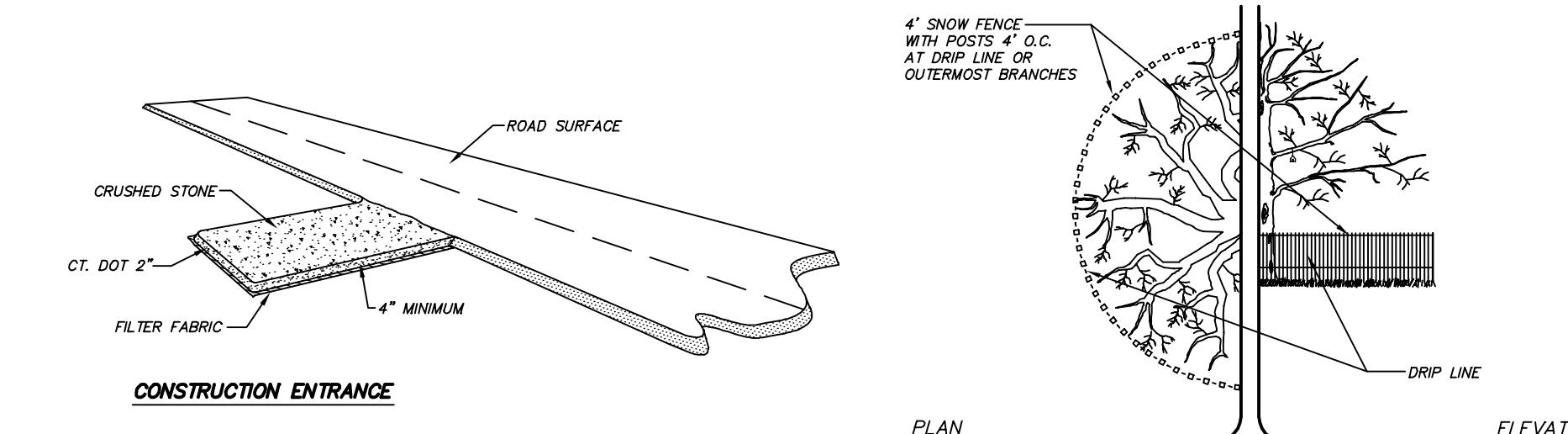


SEDIMENTATION AND EROSION CONTROLS CONSTRUCTION STAGING

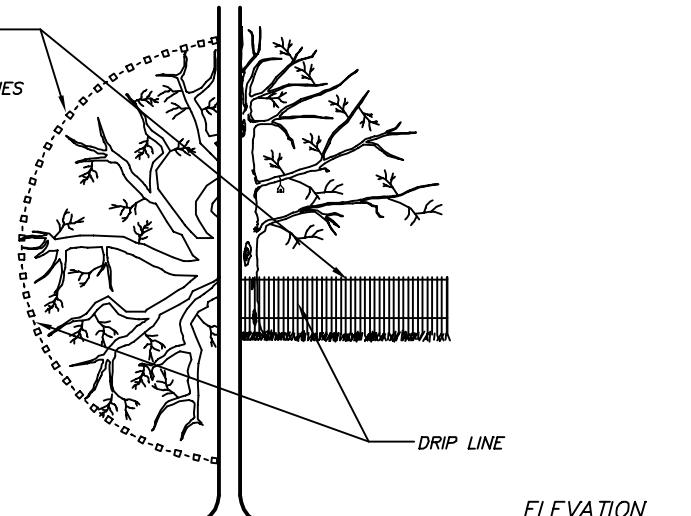
1. *Install sedimentation and erosion controls and coordinate inspection by the engineer of record and the Environmental Commission staff before proceeding further.*
 2. *Remove existing dwelling.*
 3. *Mark and cut trees to be removed.*
 4. *Rough in proposed driveways.*
 5. *Strip topsoil and stockpile it with appropriate sedimentation control measures.*
 6. *Excavate for proposed foundation.*
 7. *Construct building foundation.*
 8. *Backfill and rough grade around building foundation, stabilize all slopes.*
 9. *Construct septic system.*
 10. *Install water service, utilities, storm drainage and detention system.*
 11. *Rough grade around septic system.*
 12. *Construct driveway.*
 13. *Fine grade and stabilize all slopes.*
 14. *Landscape.*
 15. *Remove sedimentation and erosion controls.*



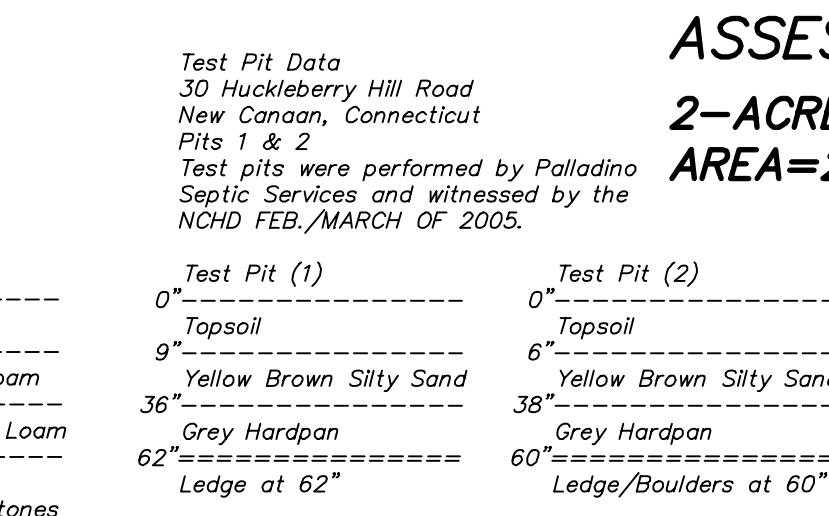
INSTALLATION DETAIL SEDIMENT CONTROL FABRIC



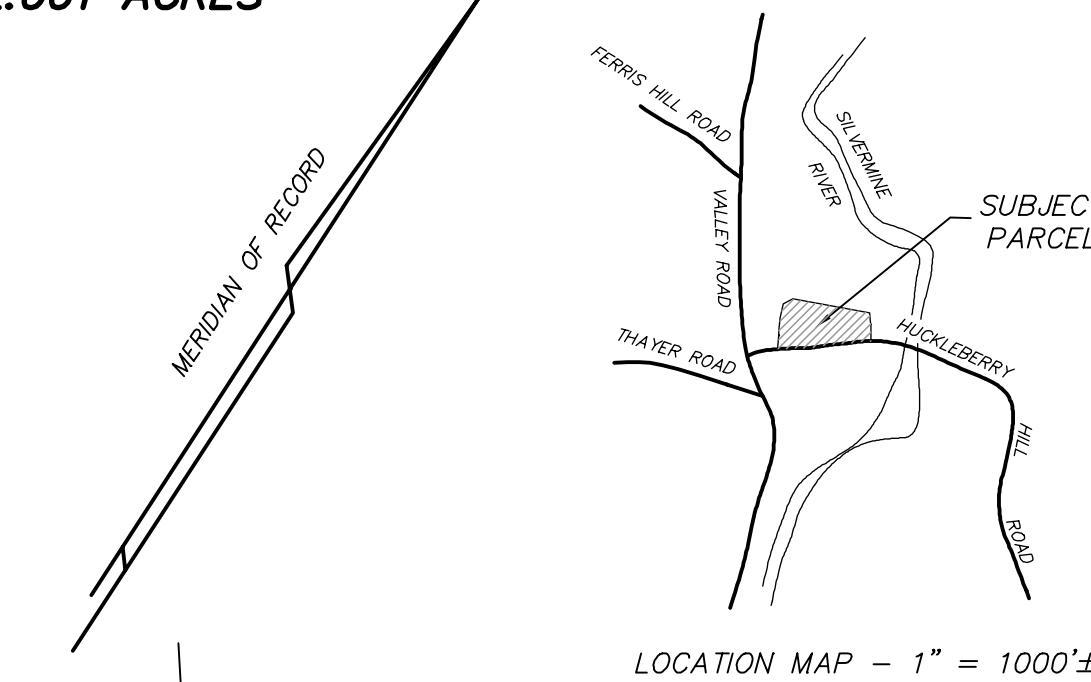
ANTI-TRACKING PAD DETAIL



*Test Pit Data
30 Huckleberry Hill Road
New Canaan, Connecticut
Pits 30-1 & 30-2
Rocco V. D'Andrea w/ NCHD
April 13, 2005*



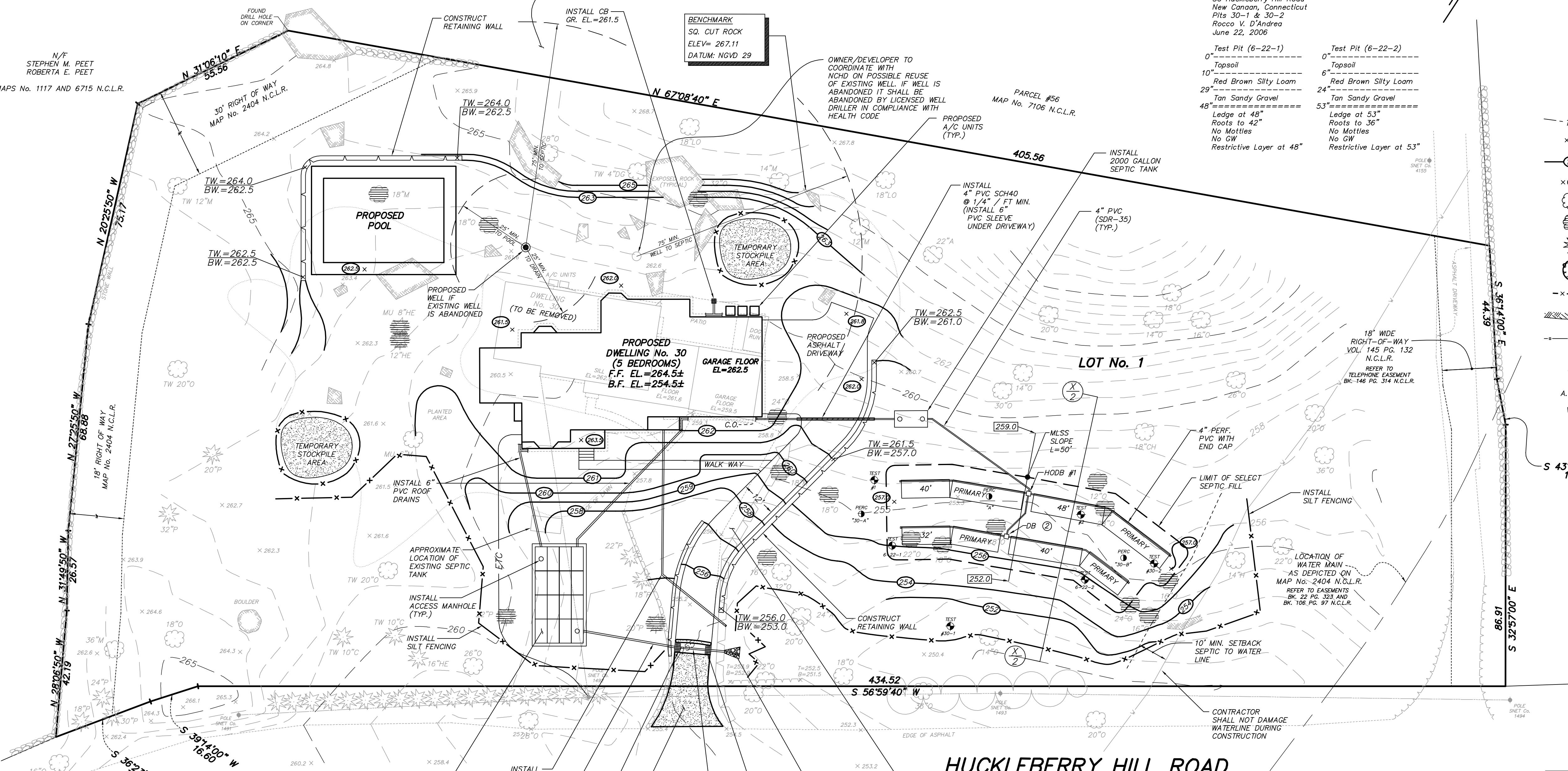
ASSESSORS MAP 45 BLOCK 117 LOT T
2-ACRE RESIDENCE ZONE, MAP NO. 2404 N.C.L.R.
AREA=2.001 ACRES / /



LOCATION MAP - 1" = 1000' ±

SEDIMENTATION AND EROSION CONTROL NOTES:

1. Temporary soil and erosion control measures inclusive of filter barriers and anti-tracking areas shall remain in place for as long as necessary to permanently stabilize developed areas.
 2. Erosion and sediment control devices shall be installed in their proper sequence. No clearing or grading may be done in any area until the erosion control devices for that area, as shown on the plan, are in place and functional and coordinate inspection by the engineer of record and the Environmental Commission staff before proceeding further.
 3. Natural vegetation shall be maintained and protected where practical.
 4. All sediment and erosion control devices and provisions shall be maintained in operational condition by the contractor until final acceptance of the project.
 5. No changes of this soil erosion and sediment control plan may be made without prior approval of the supervising engineer.
 6. Land disturbance is to be kept to a minimum and reestablishment and/or stabilization of disturbed areas shall be scheduled as soon as practical.
 7. Erosion controls shall be monitored periodically to verify that they are maintained in effective working order. If, during construction, additional control measures are necessary, they shall be installed by that contractor.
 8. Sediment or debris shall be removed from the drainage pipes and structures as it accumulates during construction. It shall be disposed of in a manner which is consistent with the intent of this plan.
 9. Sediment fencing shall be installed where required prior to commencing construction, and shall remain in place for the duration of the project. Fencing shall be Propex Silt Stop (TM) as manufactured by Amoco or approved equivalent. Fencing shall not be removed until final site stabilization has been inspected and approved by the Environmental Commission staff.
 10. The contractor may provide alternate means of sediment control, but he may not eliminate placement of protection in the areas indicated.
 11. The contractor shall regrade topsoil and seed all disturbed areas immediately after construction has been completed.
 12. Refer to Erosion and Sedimentation Control Handbook-Connecticut for additional details and specifications for sedimentation control.
 13. Additional protection measures shall be implemented should site conditions warrant them.
 14. Splash pads shall be placed under all new roof leader down spouts or be piped.
 15. Crushed stone shall be placed under any exterior decks and/or open stairways which are more than 30" above finished grade.
 16. Copies of permits and the Sedimentation and Erosion Control Plan are to be maintained at the site, provided to the project foreman and subcontractor prior to the start of work.



HUCKLEBERRY HILL ROAD

DRAINAGE REVIEW:

- DRAINAGE REVIEW

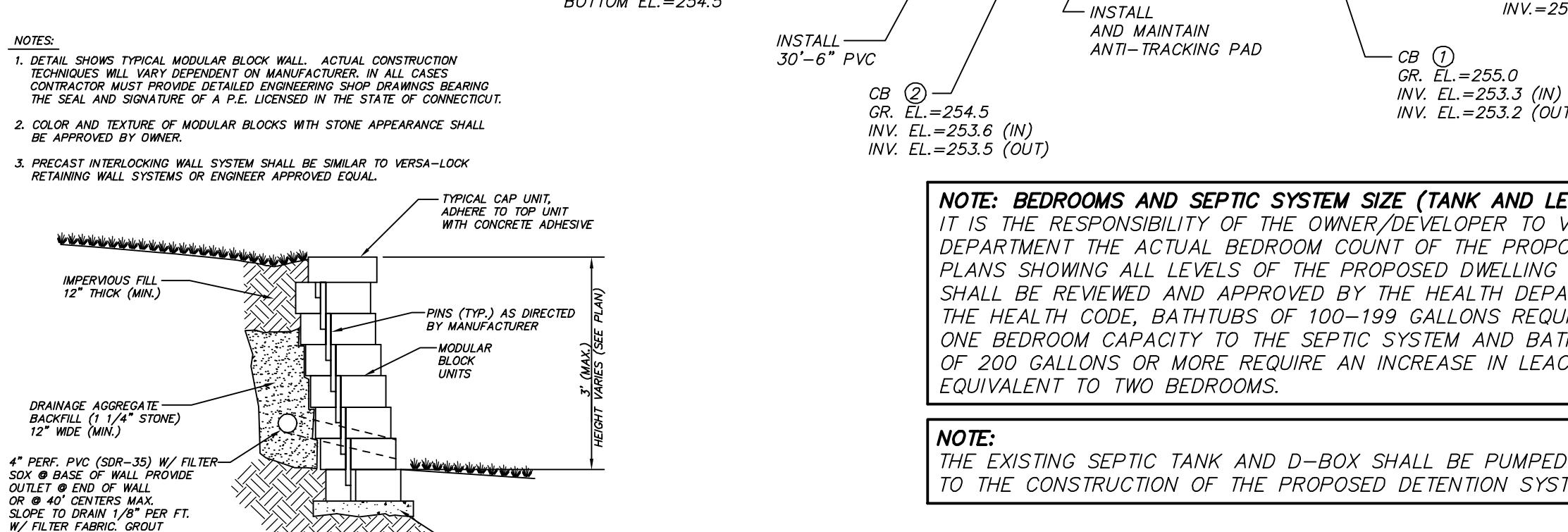
 - a. Existing impervious area = 5,236 s.f.
 - b. Proposed impervious area = 6,453 s.f.
 - c. 0.9 = coefficient of runoff
 - d. 10-year storm: 5.0 in./24 hr. = rainfall intensity

$$\begin{aligned} \text{Storage needed} &= (b-a)(c)(d/12) \\ &= (6,453 \text{ s.f.} - 5,236 \text{ s.f.})(0.9)(5.0 \text{ in./12 in./ft.}) \end{aligned}$$

$$= 457 \text{ c.f.}$$

IT WILL THEN FLOW OVERLAND TOWARDS SILVERMINE RIVER. WITH THE PROPOSED DRAINAGE DESIGN THERE WILL BE NO IMPACT TO ADJACENT PROPERTIES.

For more information, contact the Office of the Vice President for Research and the Office of the Vice President for Student Affairs.



CRUSHED
OR CONCRETE

TYPICAL SECTION
UNREINFORCED MODULAR BLOCK
RETAINING WALL
N.T.S.

NOTE: BEDROOMS AND SEPTIC SYSTEM SIZE (TANK AND LEACHING AREA)
IT IS THE RESPONSIBILITY OF THE OWNER/DEVELOPER TO VERIFY WITH THE HEALTH DEPARTMENT THE ACTUAL BEDROOM COUNT OF THE PROPOSED DWELLING. FLOOR PLANS SHOWING ALL LEVELS OF THE PROPOSED DWELLING WITH BATHTUB SIZES SHALL BE REVIEWED AND APPROVED BY THE HEALTH DEPARTMENT. ACCORDING TO THE HEALTH CODE, BATHTUBS OF 100-199 GALLONS REQUIRE AN INCREASE OF ONE BEDROOM CAPACITY TO THE SEPTIC SYSTEM AND BATHTUBS WITH CAPACITIES OF 200 GALLONS OR MORE REQUIRE AN INCREASE IN LEACHING CAPACITY EQUIVALENT TO TWO BEDROOMS.

NOTE:
THE EXISTING SEPTIC TANK AND D-BOX SHALL BE PUMPED AND REMOVED PRIOR
TO THE CONSTRUCTION OF THE PROPOSED DETENTION SYSTEM

NOTE: ALL PVC DRAIN PIPE SHALL BE SDR-35 WITH RUBBER GASKET JOINTS, REFER TO CONSTRUCTION NOTES ON SHEET 2 OF 2.

NOTE: UNDERGROUND SPRINKLER SYSTEMS SHALL NOT BE INSTALLED WITHIN 10' OF THE SEPTIC SYSTEM INCLUDING THE SEPTIC TANK.

NOTE: FINAL INSPECTION/SURVEY
THE CONTRACTOR SHALL NOTIFY THE ENGINEER 72 HOURS PRIOR TO THE TIME OF THE FINAL INSPECTION. AT THE TIME OF FINAL INSPECTION THE SYSTEM SHALL BE ENTIRELY COMPLETE INCLUDING SEPTIC TANK, SOIL LINE, ALL PIPING, PUMP CHAMBER, ETC. IF THE CONTRACTOR REQUIRES A PARTIAL FINAL INSPECTION, HE SHALL REQUEST IN WRITING THE PARTIAL FINAL INSPECTION INCLUDING THE REASON FOR SAME.

NOTE:
THE STREET AND PROJECT FRONTAGE AREA SHALL BE SWEPT CLEAN AT THE END OF EACH DAY AS REQUIRED. IN PARTICULAR, THE CONSTRUCTION ENTRANCE SHALL BE KEPT FREE OF DUST AND SEDIMENT.

ROCCO V. D'ANDREA, INC.

LAND PLANNERS • ENGINEERS • SURVEYORS

• SURVEYORS 6 NEIL LAN TEL. 637-1777	X 549 DE, CT 06878
ECT	SUBSURFACE SEWAGE DISPOSAL SYSTEM
ARED B	KARP ASSOCIATES

30 HUCKLEBERRY HILL ROAD
NEW CANAAN, CONNECTICUT

2 SITE PLAN