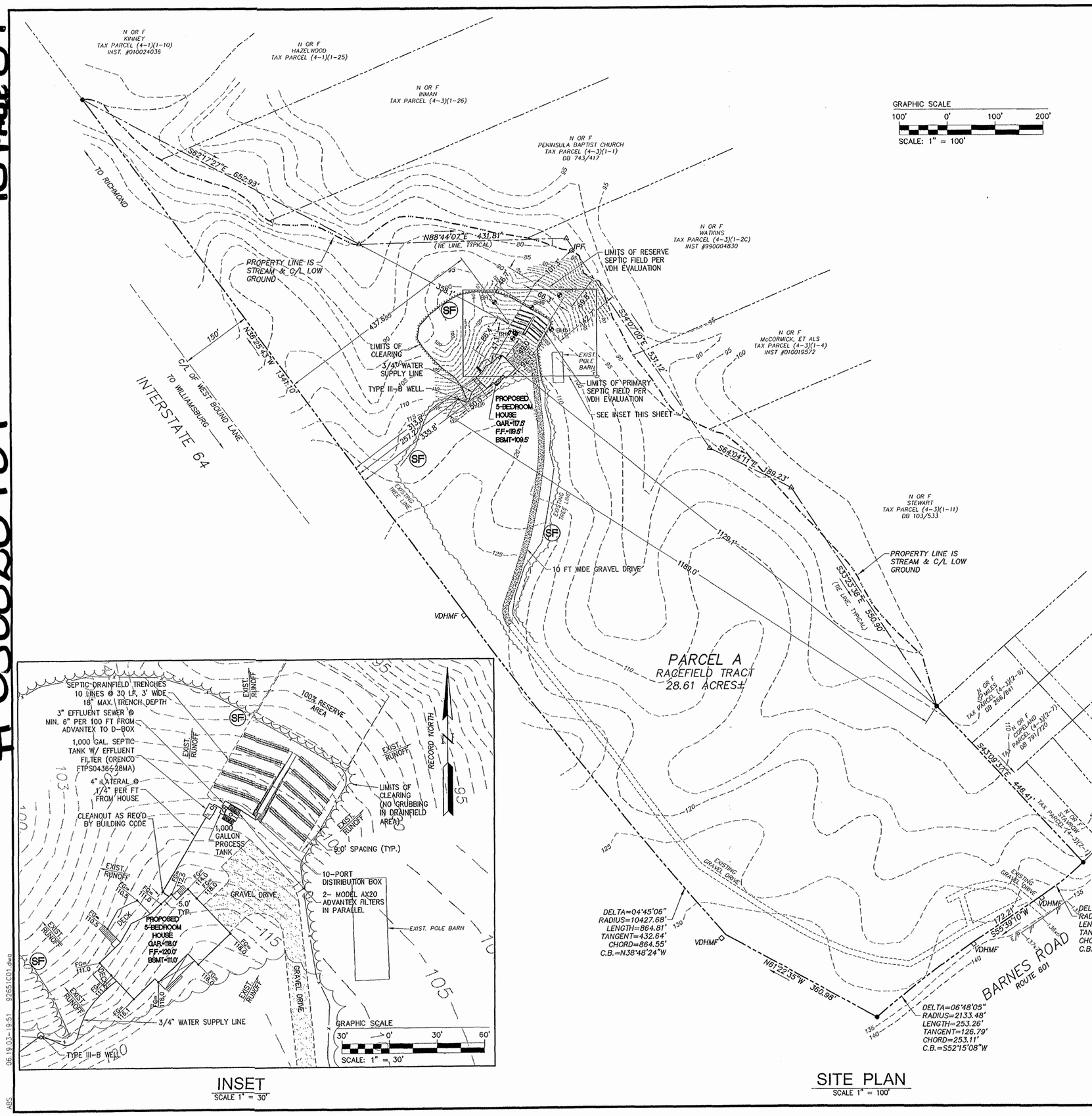
HDID # 147-02-0294 Pg. 6 of 8

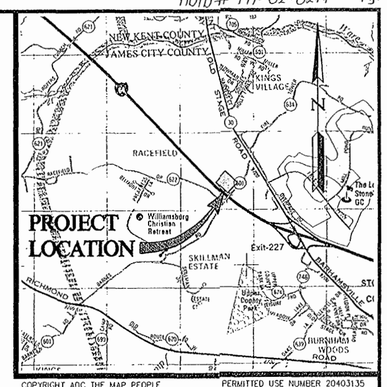
90 PAGE 89

#030020787



INSET
SCALE 1" = 30'

SITE PLAN
SCALE 1" = 100'



VICINITY MAP
(APPROX. SCALE 1"=4000')

No.	DATE	REVISION / COMMENT / NOTE	BY
1	6/20/03	PER OWNER COMMENTS	ABS

COUNTY OF JAMES CITY, VIRGINIA
AARON B. SHALL
No. 030712
06/20/03
REGISTERED PROFESSIONAL ENGINEER

GENERAL NOTES

1. TOPOGRAPHY FROM JAMES CITY COUNTY TOPO AND SURVEY BY AES CONSULTING ENGINEERS. SOIL EVALUATION REPORT BY VIRGINIA DEPARTMENT OF HEALTH LETTER DATED FEBRUARY 10, 2003.
2. PROPERTY BASED UPON RECORDED INSTRUMENT #980022655, BUT WAS NOT PREPARED WITH THE BENEFIT OF A CURRENT TITLE REPORT. BOUNDARY IS BASED UPON A SURVEY PREPARED BY SMALL ENGINEERING, INC., ENTITLED "SURVEY OF 5 PARCELS OF LAND COMPRISING THE REMAINDER OF THE RACEFIELD TRACT, STANDING IN THE NAME OF P. LOY HARRELL," DATED JULY, 1979.
3. PROPERTY IS ALL OF TAX PARCEL (4-3)(1-12A).
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL LINES AND GRADES REQUIRED.
5. ALL UTILITY AND SURVEY INFORMATION HAS BEEN OBTAINED FROM THE BEST AVAILABLE SOURCES AT THE TIME OF THE SURVEY BUT IS NOT REPRESENTED AS BEING COMPLETE AND ACCURATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT EXISTING UTILITIES AND UNDERGROUND STRUCTURES. DAMAGE TO EXISTING UTILITIES AND UNDERGROUND STRUCTURES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
6. PLAN SURVEY AND TOPOGRAPHIC DATA IS BASED UPON LOCAL DATUM ESTABLISHED FOR THIS PROJECT. ELEVATIONS HAVE BEEN CHOSEN TO CLOSELY CORRESPOND TO NATIONAL GEODETIC DATUM BUT HAVE NOT BEEN SURVEYED TO A PERMANENT BENCHMARK.
7. THE CONTRACTOR SHALL REESTABLISH ALL PROPERTY PINS, MONUMENTS, WATER METERS, DRAINAGE CULVERTS, FENCES, UTILITY POLES, DRIVEWAYS, SIDEWALKS, CURBS, GUTTERS, ETC. DISTURBED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. ALL PLANT MATERIALS, SPRINKLER SYSTEMS, ETC. IN LANDSCAPED AREAS AFFECTED BY CONSTRUCTION SHALL BE REPLACED IN LIKE AND KIND AT NO ADDITIONAL COST TO THE OWNER.
8. GEOTECHNICAL INVESTIGATIONS WERE NOT PERFORMED FOR THIS PROJECT.
9. STATE LAW MANDATES THE NOTIFICATION OF UTILITY OWNERS 48 HOURS IN ADVANCE OF EXCAVATION. CONTACT "MISS UTILITY" OF TIDEWATER (1-800-552-7001). CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND AFFECTED UTILITY OWNERS IN THE EVENT THAT ANY UTILITIES ARE DAMAGED DURING CONSTRUCTION.
10. THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF THE VIRGINIA UNDERGROUND UTILITY DAMAGE PREVENTION ACT (SECTION 56-265.14 ET. SEQ. CODE OF VIRGINIA, 1950, AS AMENDED) AND HEREBY AGREES TO HOLD THE OWNER/DEVELOPER AND THE ENGINEER HARMLESS AGAINST ANY LOSS, DAMAGE, OR CLAIMS OF ANY NATURE WHATSOEVER ARISING OUT OF THE CONTRACTOR'S FAILURE TO COMPLY WITH THE REQUIREMENTS OF SAID ACT.
11. THE CONTRACTOR IS REQUIRED TO COMPLY WITH THE VIRGINIA OVERHEAD HIGH VOLTAGE LINE SAFETY ACT (SECTIONS 59.1-406 THROUGH 59.1-414, CODE OF VIRGINIA, 1950, AS AMENDED). THE CONTRACTOR IS REQUIRED TO VISIT THE SITE AND NOTE THE POSITION OF OVERHEAD CABLES PRIOR TO SUBMITTING HIS BID.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING REQUIRED PERMITS AND ANY ADDITIONAL PROPERTY OUTSIDE OF THE PROJECT LIMITS FOR INGRESS/EGRESS, STAGING AREAS, MATERIAL STORAGE AREAS, EXCAVATION STOCKPILES, AND BEDDING/BACKFILL STOCKPILES.
13. TOP SOIL SHALL BE STOCKPILED SEPARATELY FROM OTHER EXCAVATION, AND PLACED BACK IN THE TOP 6" OF THE PIPE TRENCH, AS APPROPRIATE, TO PROMOTE NATIVE VEGETATION REGROWTH.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE DRAWINGS AND FOR EXCAVATION STOCKPILES, STAGING AREAS, MOBILIZATION/DEMOBILIZATION SITES, BEDDING/BACKFILL STOCKPILES AND OTHER LAND DISTURBANCES NOT SPECIFICALLY ADDRESSED IN THE DRAWINGS OR CONTRACT DOCUMENTS. EROSION AND SEDIMENT CONTROL MEASURES SHALL MEET OR EXCEED THE MINIMUM STANDARDS OF THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK" (LATEST PUBLICATION) AND THE REQUIREMENTS OF THE LOCAL GOVERNING AUTHORITY.
15. THE ABSENCE OF THE OWNER OR THE ENGINEER AT THE JOB SITE DOES NOT, IN ANY WAY, RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO PERFORM THE WORK IN ACCORDANCE WITH THE DRAWINGS, CONTRACT DOCUMENTS, ADDENDA, AND WRITTEN AUTHORIZED PLAN REVISIONS.
16. THE CONTRACTOR SHALL INSTALL PIPE, FITTINGS, AND STRUCTURES IN DRY TRENCH CONDITIONS AND IN ACCORDANCE WITH THE MANUFACTURERS' RECOMMENDATIONS. THE CONTRACTOR SHALL PROVIDE ALL DEWATERING, WELL POINTING, SHEETING, TRENCH BOXES, AND TRENCH STABILIZATION AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
17. THE DRAINFIELD AREA SHALL BE DISTURBED AS LITTLE AS POSSIBLE OTHER THAN BY ROUTINE DRAINFIELD SYSTEM INSTALLATION. INSTALL DURING DRY SOIL/SITE CONDITIONS ONLY. ANY REMOVAL OR DISTURBANCE OF THE SOIL COULD ALTER THE TYPE AND SIZE OF THE SYSTEM AND POTENTIALLY VOID THE SITE. KEEP ALL VEHICLES, EQUIPMENT AND MATERIALS OFF THIS AREA BEFORE, DURING AND AFTER INSTALLATION.
18. ALL MAPLE, WILLOW, GUM, AND ELM TREES WITHIN OR NEAR THE PROPOSED SEPTIC SYSTEM MUST BE REMOVED. THESE PARTICULAR SPECIES HAVE ROOT SYSTEMS THAT WILL IMPAIR OR DAMAGE THE SYSTEM. ANY CLEARING OR REMOVAL OF TREES MUST BE DONE BY HAND ONLY. ANY STUMPS SHOULD BE LEFT IN PLACE OR REMOVED WITH A STUMP GRINDER.
19. DRAINFIELD DESIGN IS BASED ON A SOIL PERCOLATION RATE OF 45 MINUTES PER INCH AND AN AVERAGE SLOPE OF 10%. THE SYSTEM IS DESIGNED USING HYDRAULIC LOADING RATE 0.99 GALLONS/DAY/SQUARE FT. A 5-BEDROOM HOUSE IS ASSUMED, GENERATING 750 GPD.
20. SEPTIC DRAINFIELD SHALL BE INSTALLED AT A MAXIMUM DEPTH OF 18 INCHES AND TRENCHES SHALL BE PLACED ON CONTOUR. SEE DETAILS ON SHEET 2.
21. INSTALLATION PROCEDURES AND MATERIALS FOR SEWERS, SEPTIC TANKS, PRETREATMENT UNIT, PUMP STATION, FORCE MAIN, AND GRAVITY DISPOSAL SYSTEM SHALL MEET THE REQUIREMENTS OF THE COMMONWEALTH OF VIRGINIA, STATE BOARD OF HEALTH SEWAGE HANDLING AND DISPOSAL REGULATIONS (12 VAC 5-610-10 ET SEQ., CODE OF VIRGINIA, 1950, AS AMENDED) AND GMP #114, PROVISIONAL APPROVAL AND TESTING PROTOCOL FOR ADVANTEX TREATMENT SYSTEM DATED SEPTEMBER 27, 2001.
22. PROPERTY LIES IN ZONE X (AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN) PER N.F.I.P. F.I.R.M. PANEL #51201-0005B EFFECTIVE 2/6/91.

City of Williamsburg & County of James City
Circuit Court: This PLAT was recorded on 14 July 2003
at 3:25 ~~AM~~/PM. PB 90 PG 89-91
DOCUMENT # 030020787
BETSY B. WOOLRIDGE, CLERK
Betsy B. Woolridge Clerk

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Williamsburg, Virginia 23188
(757) 253-0040
Fax (757) 220-8994
AES CONSULTING ENGINEERS

SITE PLAN
ALTERNATIVE SEPTIC SYSTEM
9537 BARNES ROAD
OWNERS: STEVEN AND MARY HERTZLER
STONEHOUSE DISTRICT JAMES CITY COUNTY VIRGINIA

Designed	Drawn
ABS	SJP
Scale	Date
1"=30'	06/20/03
Project No.	
9265-01	
Drawing No.	
1 OF 3	

06.19.03-1951 92651C01.dwg
ABS