

LAYOUT \_\_\_\_\_ INSP 4 \_\_\_\_\_  
INSP 2 \_\_\_\_\_ INSP 5 \_\_\_\_\_  
INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

ISSUE DATE: 8/5/05  
~~6/20/2005~~

APPROVAL DATE: 6/9/06

**PERMIT**  
**INDEXED**

P 523079

A 513272-B

**SANDMOUND SYSTEM**  
**ON-SITE SEWAGE DISPOSAL SYSTEM**  
**HOWARD COUNTY HEALTH DEPARTMENT**  
**BUREAU OF ENVIRONMENTAL HEALTH**  
**TAX ID # 05-434548**

Fogles Septic Clean, Inc. IS PERMITTED TO INSTALL  ALTER

ADDRESS: 580 Obrecht Rd., Sykesville 21784 PHONE NUMBER: 410-795-5670

SUBDIVISION: Shakoorzadeh Property LOT NUMBER: 2

ADDRESS: 12982 Brighton Dam Road PROPERTY OWNER: Kamden Shakoorzadeh

SEPTIC TANK CAPACITY (GALLONS): 1500 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): 1500 COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

LOCATION:	Sand Mound to be installed. See Plans for Sand Mound approved on 12/31/03.
NOTES:	All three(3) Sand Mound sites are to be staked. Heavy equipment is not allowed on or directly down hill of any of the three (3) Sand Mound sites.

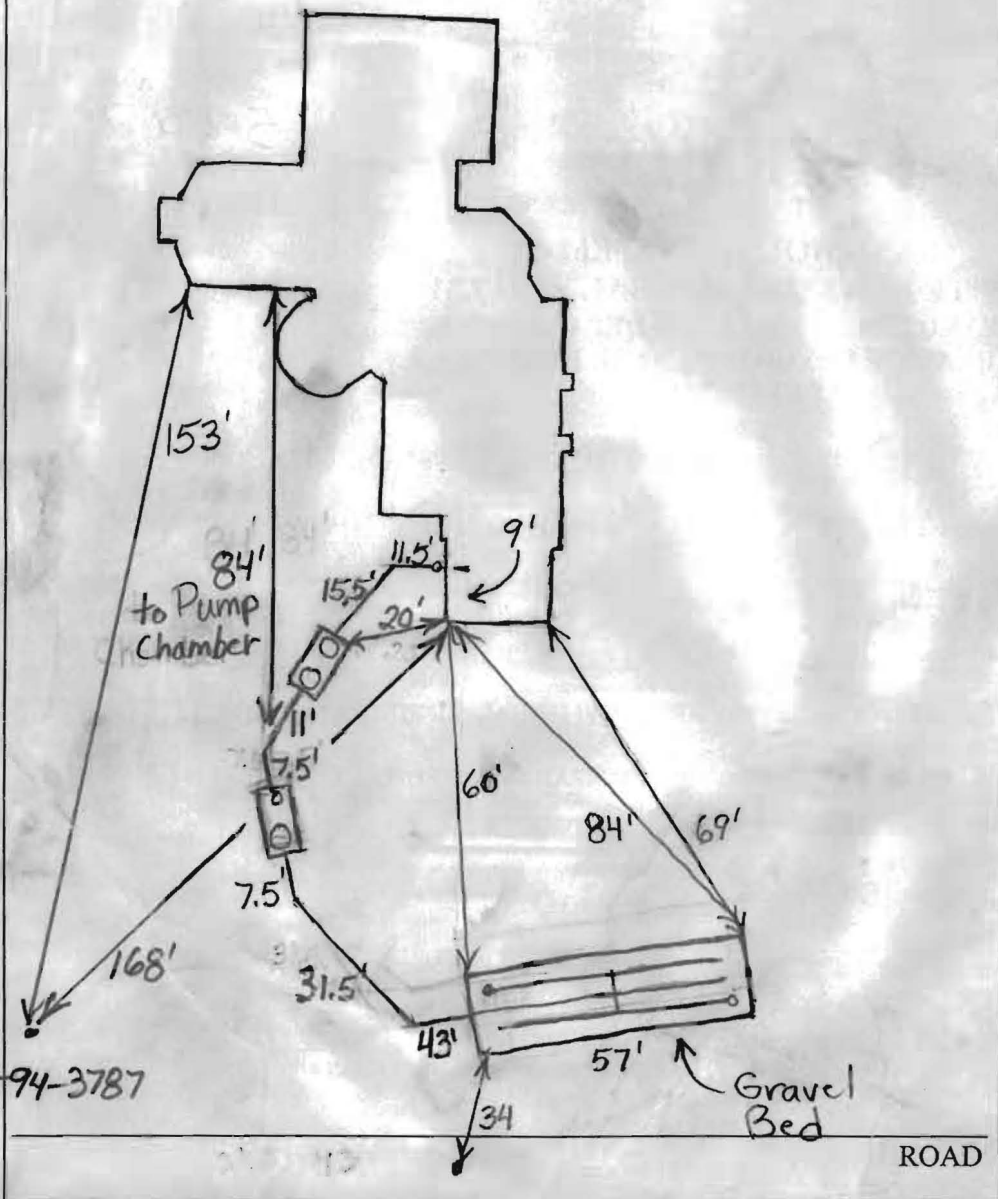
PLANS APPROVED: Mark Rifkin DATE: 12/31/03

NOTES: PERMIT VOID AFTER 2 YEARS  
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  
WATERTIGHT SEPTIC TANKS REQUIRED  
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED  
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

P523079

NOT TO SCALE



SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	Yes
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	15'-2'
BAFFLES	Yes
BAFFLE FILTER	Yes
MANHOLE LOC	Front+R
6" PORT LOC	None
WATERTIGHT TEST	No
SEPTIC TANK 2 LEVEL	Yes
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	25'-3.5'
BAFFLES	Front
BAFFLE FILTER	No
MANHOLE LOC	Rear
6" PORT LOC	Front
WATERTIGHT TEST	No

Babylon  
2-Comp.

PRE-CONSTRUCTION 8/8/05 Homeowner/installer wanted to move to alternate mound site so that they wouldn't have to remove large trees. Told them O.K. Told Justin (Togles) to put ribbon around septic easement to try to prevent anyone from driving on it. (BB) 8/10/05 Tanks set. Corners of mound checked. O.K. to plow tomorrow if it doesn't rain. (BB) 8/15/05 Gravel bed done. Told installer to put holes in top of end caps. To use topsoil to cover the mound. Must install an effluent filter with manhole access. (BB) 8/16/05 Filter installed most of bed covered with topsoil. (BB)

FINAL INSPECTOR Shirley Cruz DATE OF APPROVAL 6/9/06  
 8/17/05 Bed construction finished. (BB) 6/9/06 pump and alarm tests

LOCATION OF PROPERTY KNOWN AS 12982 BRIGHTON DAM ROAD, ALSO KNOWN AS LOT 2 AS SHOWN ON THE PLAT ENTITLED "PLAT OF REVISION, SHAKOORZADEH PROPERTY, LOTS 1-3" AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS PLAT No. 17116

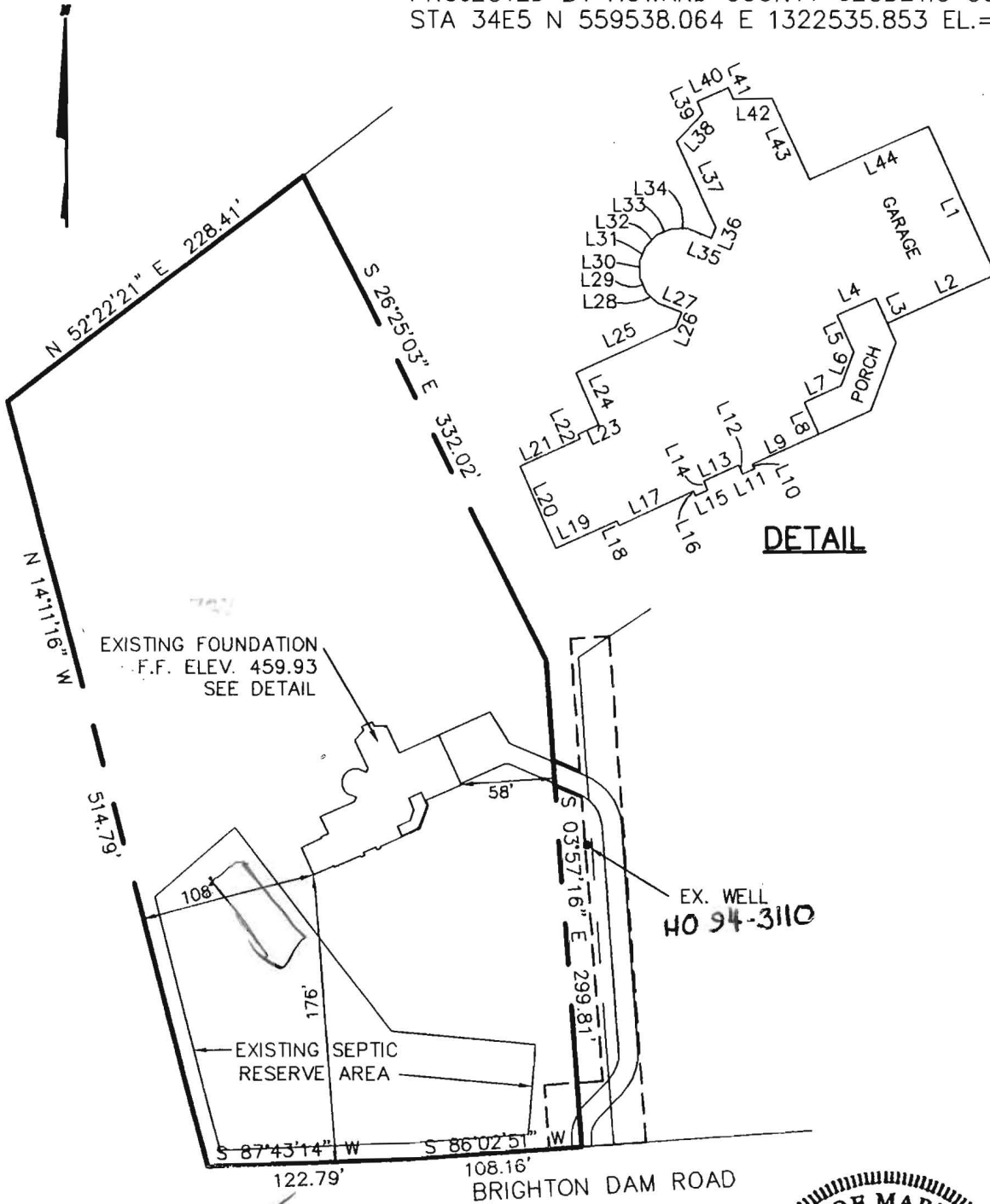
THIS LOCATION DRAWING DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT THIS IDENTIFICATION MAY BE REQUIRED, BUT NEED NOT BE REQUIRED, FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING.

THIS LOCATION DRAWING IS OF BENEFIT TO A CONSUMER ONLY INSOFAR AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR REFINANCING

THIS LOCATION DRAWING IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS.

THE DISTANCES SHOWN HEREON ARE ±1 FOOT.

HORIZONTAL AND VERTICAL CONTROL DATUM IS BASED ON THE MD. COORDINATE SYSTEM NAD 83/91 AND NGVD 29 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS: STA 34E5 N 559538.064 E 1322535.853 EL.=461.27



L1	33.0'
L2	24.1'
L3	6.0'
L4	8.7'
L5	8.2'
L6	7.1'
L7	8.3'
L8	6.9'
L9	15.3'
L10	1.0'
L11	2.0'
L12	2.0'
L13	8.7'
L14	2.0'
L15	2.0'
L16	1.0'
L17	17.1'
L18	1.0'
L19	13.6'
L20	17.5'
L21	13.6'
L22	1.0'
L23	4.7'
L24	11.5'
L25	22.5'
L26	4.0'
L27	5.5'
L28	3.3'
L29	3.3'
L30	3.2'
L31	3.2'
L32	3.2'
L33	3.3'
L34	3.3'
L35	5.5'
L36	2.8'
L37	21.1'
L38	8.0'
L39	3.0'
L40	6.4'
L41	3.0'
L42	8.0'
L43	20.6'
L44	27.0'

8/5/05  
Wall check  
per plan  
(KN)

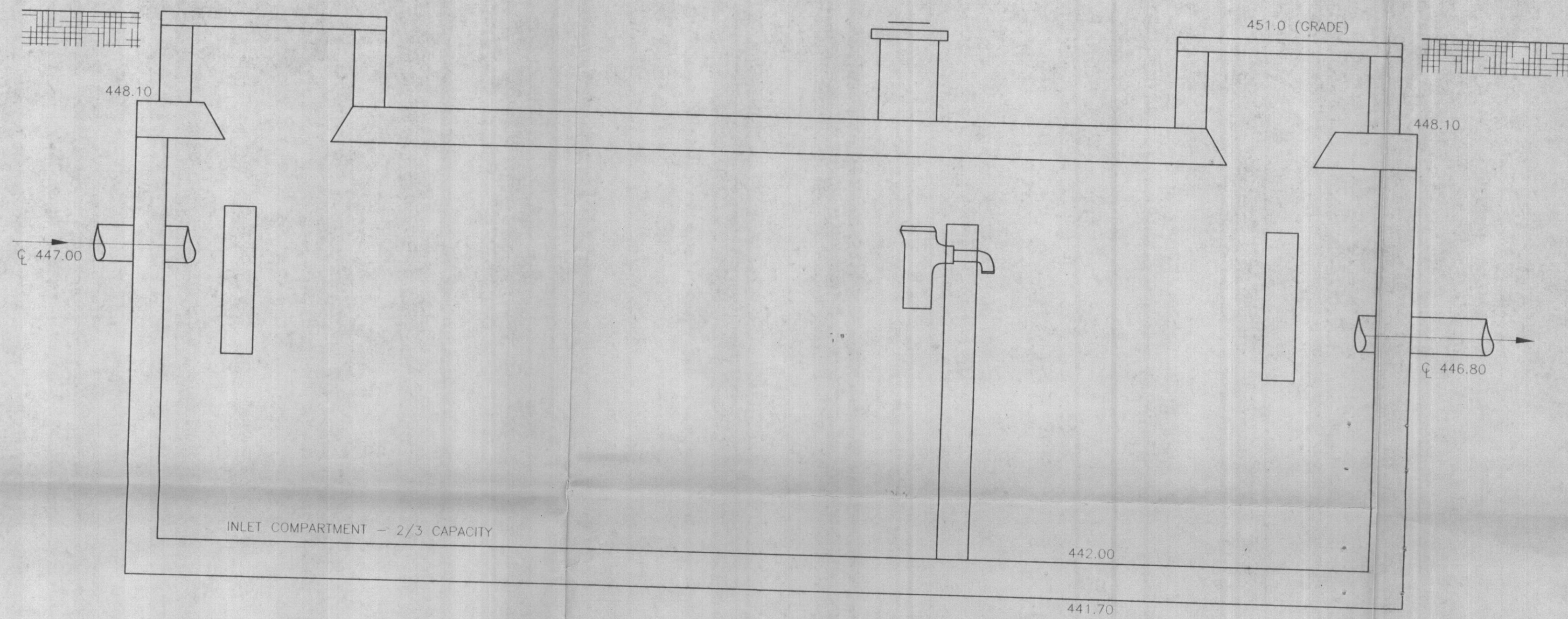


SCALE 1" = 100'	DATE JUNE, 2005
DR. BY BJH	CHK. BY BJH
PLAT No.	JOB No. 24180.00

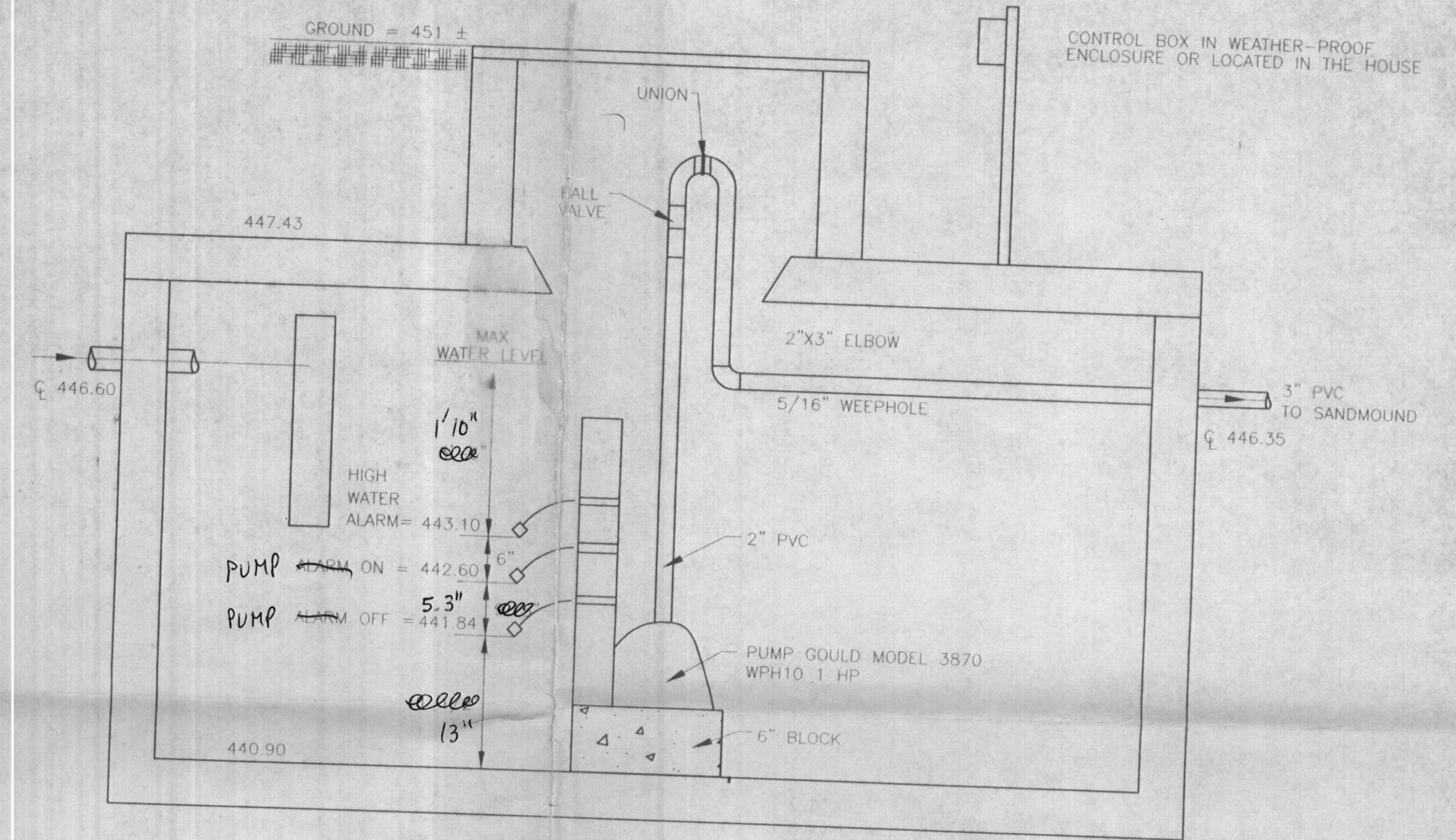


**CENTURY ENGINEERING, INC.**  
CONSULTING ENGINEERS - SURVEYORS  
32 WEST ROAD  
TOWSON, MARYLAND 21204  
(410) 823-8070

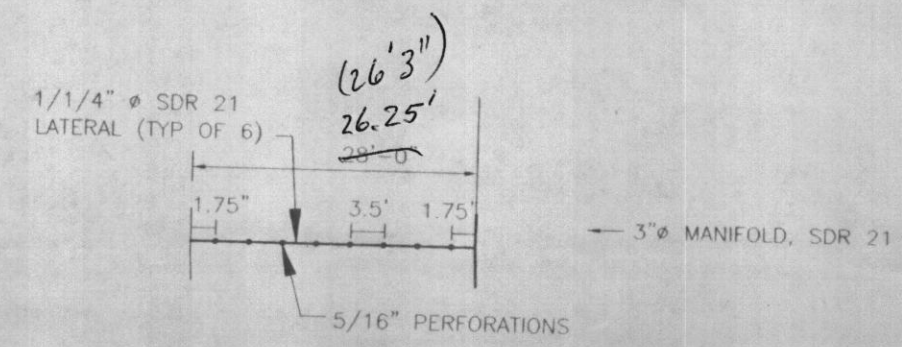
**LOCATION OF EXISTING FOUNDATION**  
**SHAKOORZADEH PROPERTY**  
**LOT 2**  
12982 BRIGHTON DAM ROAD  
CLARKSVILLE, MD 21029



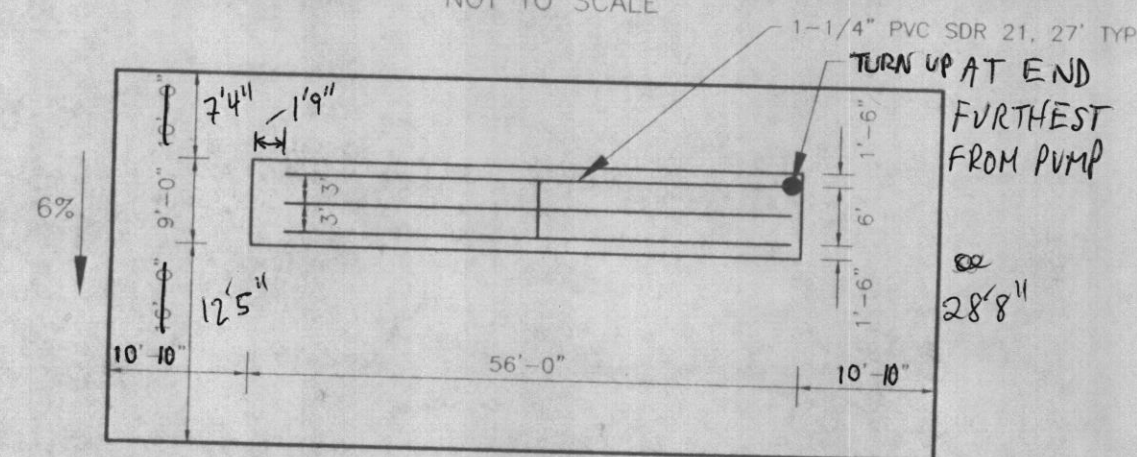
1,500 GALLON SEPTIC TANK (TOP SEAM)  
NOT TO SCALE



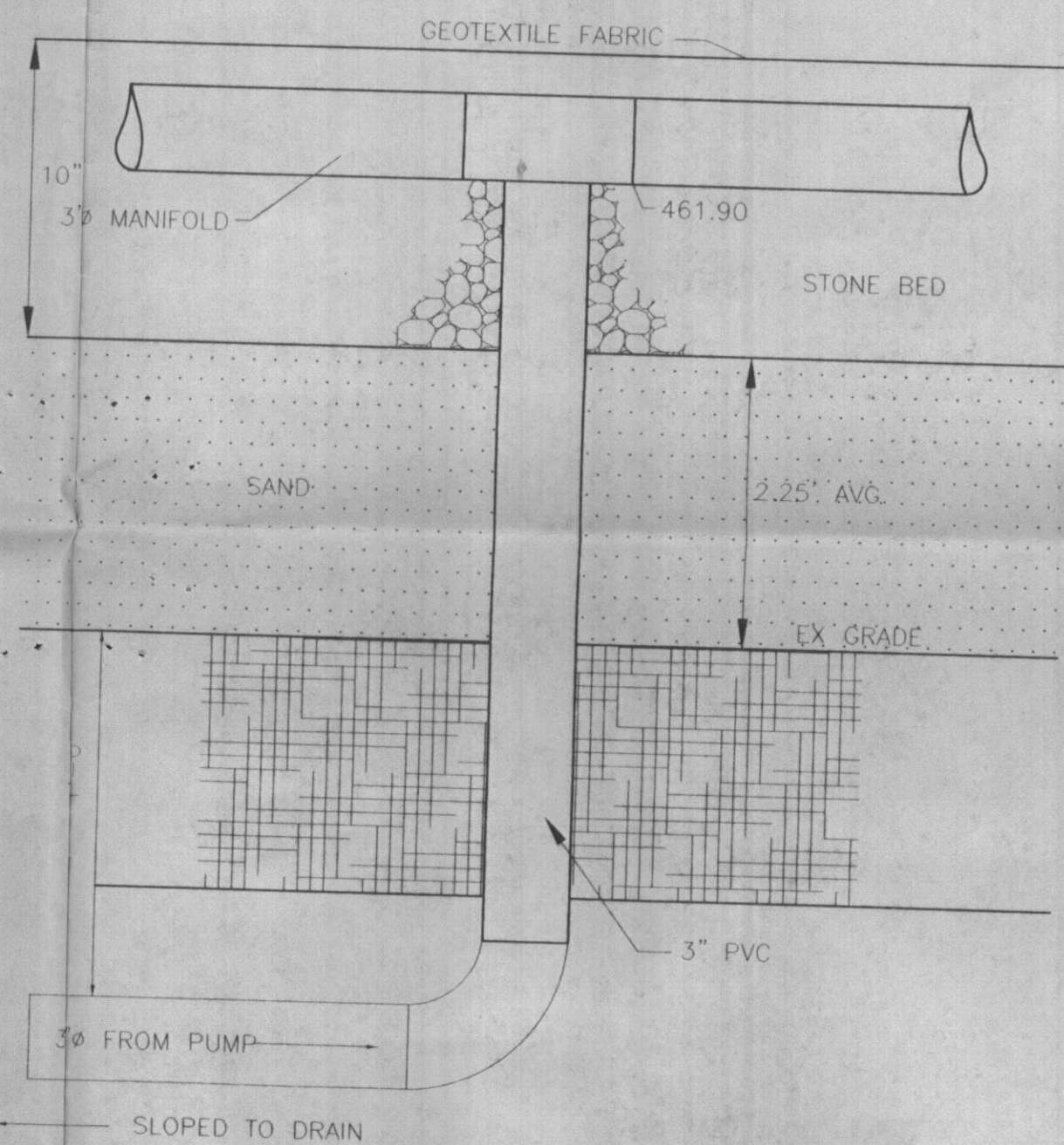
1,500 GALLON PUMP CHAMBER (TOP SEAM)  
NOT TO SCALE



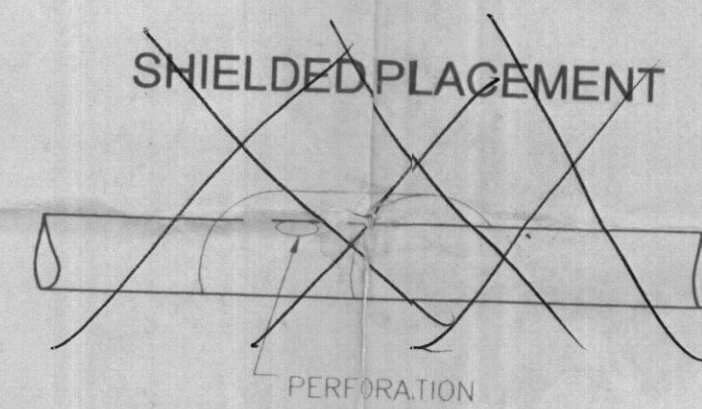
LATERAL DETAIL-TYPICAL  
NOT TO SCALE



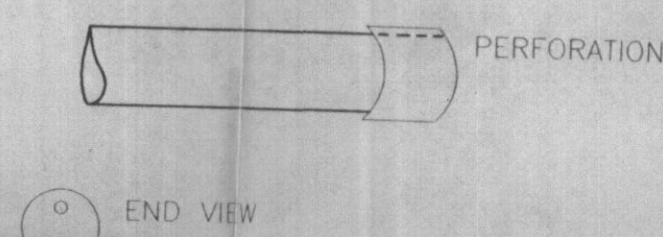
MOUND LAYOUT  
NOT TO SCALE



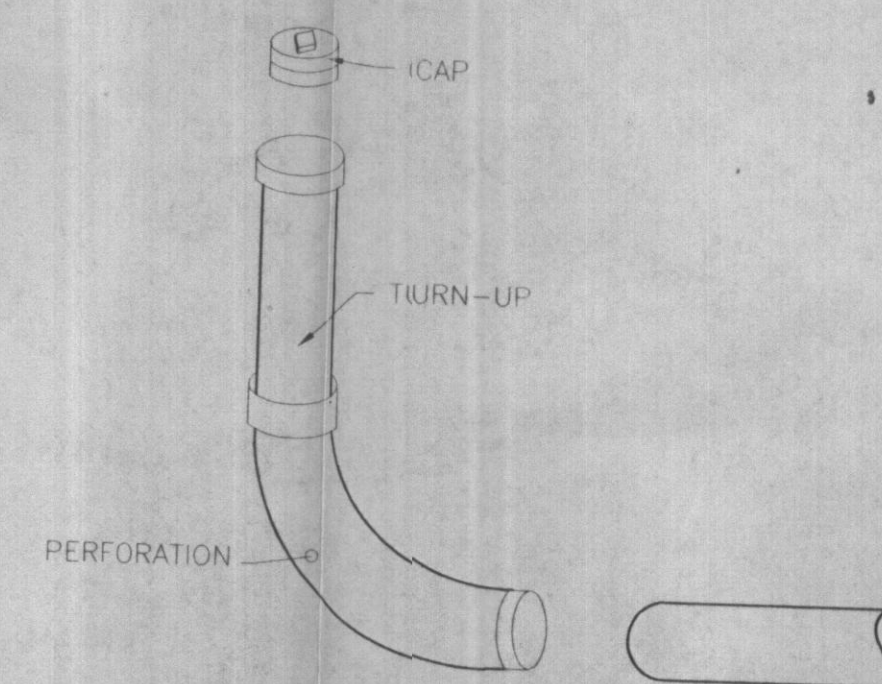
SUPPLY LINE/MANIFOLD DETAIL  
NOT TO SCALE



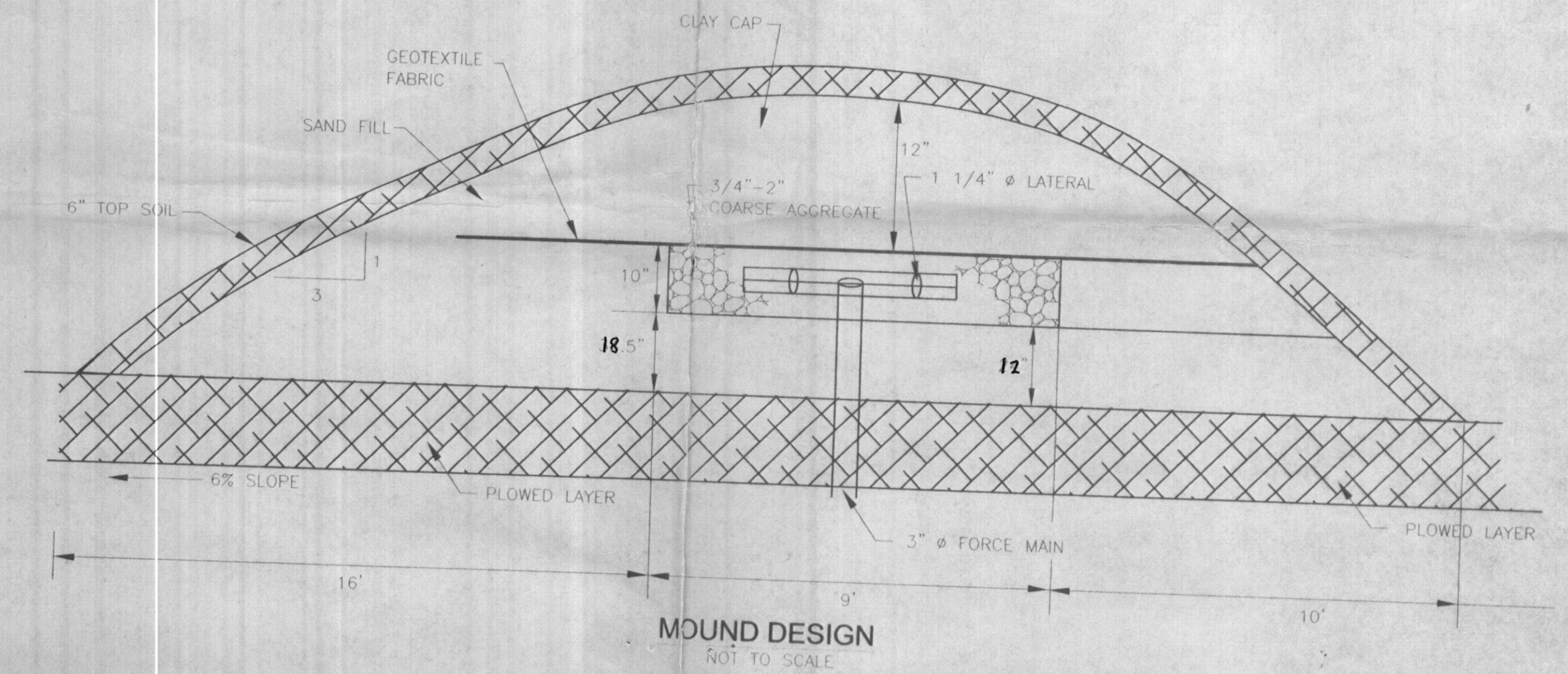
SHIELDED PLACEMENT



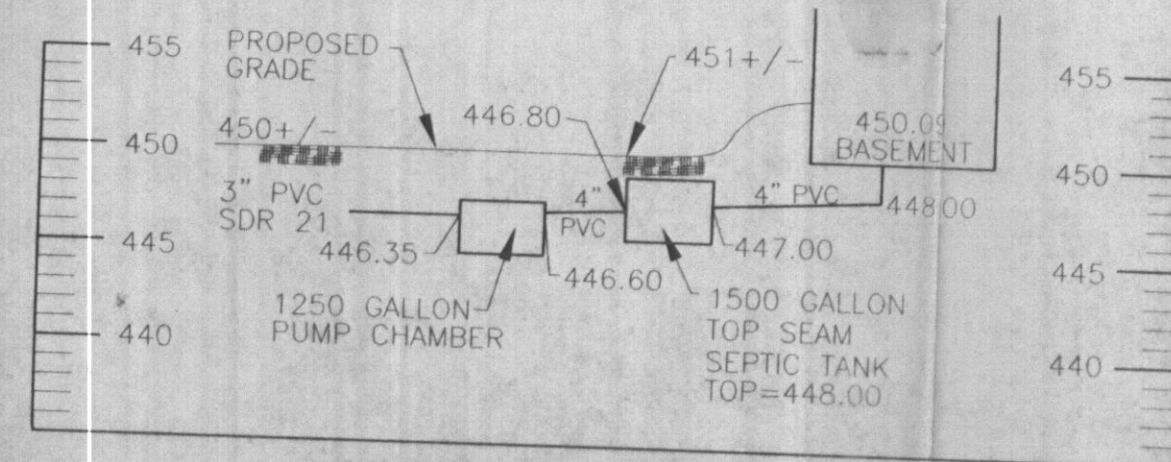
END CAP PLACEMENT



TURN-UP PLACEMENT



MOUND DESIGN  
NOT TO SCALE



HYDRAULIC PROFILE  
NOT TO SCALE

**DESIGN CRITERIA**

- 4 BEDROOM HOUSE
- DESIGN FLOW-600 GPD
- 1-1,500 GAL. 2 COMPARTMENT SEPTIC TANK (TOP SEAM)
- 1-1,250 GAL. PUMP CHAMBER (TOP SEAM)
- 178.50' GAL DOSE
- BED AREA 9' X 56' = 504 SQFT
- MOUND AREA 26' X 28' = 2,905 SQFT
- PUMP REQUIREMENTS: 78 GPM @ 25.4' TDH

28' x 27'7"

NO.	REVISION	DATE

DETAIL SHEET

LOT 2  
**SHAKOORZADEH/BOLOORI RESIDENCE**  
12982 BRIGHTON DAM ROAD

TAX MAP: 34 BLOCK: 10 PARCEL 14  
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

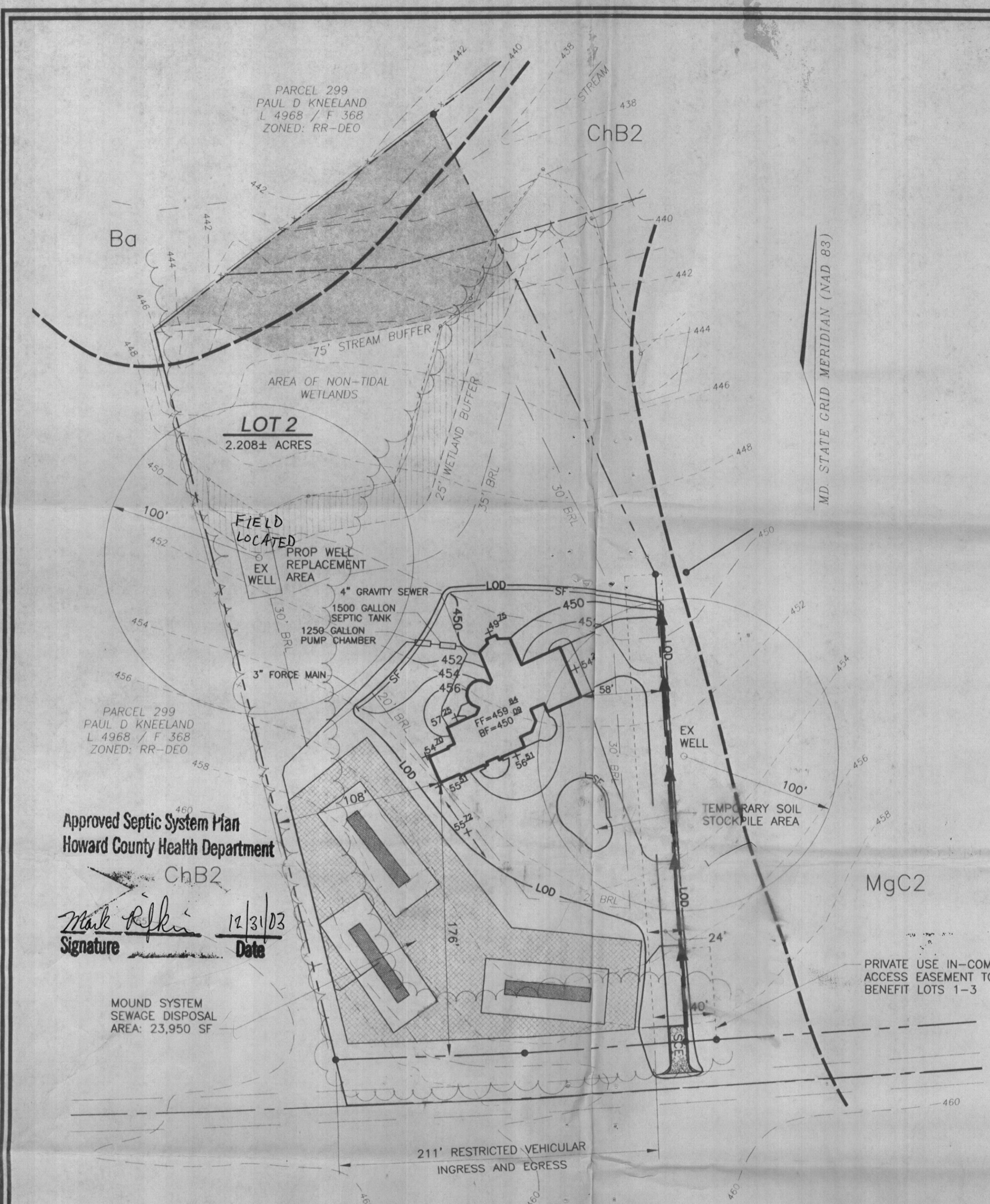
**F.W.A.**  
FREDERICK WARD ASSOCIATES, INC.  
ARCHITECTS | ENGINEERS | PLANNERS | SURVEYORS | www.frederickward.com

7125 RIVERWOOD DRIVE  
COLUMBIA, MARYLAND 21046-2354  
410-720-6900  
410-720-6226 fax

REGIONAL OFFICES:  
BEL AIR, MARYLAND AND WARRENTON, VIRGINIA

DESIGN BY: RHY  
DRAWN BY: ELG  
CHECKED BY: BMY  
DATE: OCTOBER 2003  
REV. DEC. 2003  
SCALE: NOT TO SCALE  
W.O. NO.: 2019175

2 SHEET OF 2



Approved Septic System Plan  
Howard County Health Department  
ChB2  
Signature: Mark R. Riker  
Date: 12/31/03

LOT 2  
2.208± ACRES

FIELD LOCATED  
EX WELL  
PROP WELL REPLACEMENT AREA

1500 GALLON SEPTIC TANK  
1250 GALLON PUMP CHAMBER

4" GRAVITY SEWER  
3" FORCE MAIN

100' TEMPORARY SOIL STOCKPILE AREA

211' RESTRICTED VEHICULAR INGRESS AND EGRESS

MOUND SYSTEM SEWAGE DISPOSAL AREA: 23,950 SF

PARCEL 299 PAUL D. KNEELAND L. 4968 / F. 368 ZONED: RR-DEO

PARCEL 299 PAUL D. KNEELAND L. 4968 / F. 368 ZONED: RR-DEO

MD. STATE GRID MERIDIAN (NAD 83)

PRIVATE USE IN-COMMON ACCESS EASEMENT TO BENEFIT LOTS 1-3

ChB2

MgC2

BRIGHTON DAM ROAD  
(MAJOR COLLECTOR - 60' RIGHT-OF-WAY)

### TEMPORARY SEEDING NOTES

**SEEDBED PREPARATION:** LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

**SOIL AMENDMENTS:** APPLY 600 LBS/ACRE 10-10-10 FERTILIZER (14 LBS/1000 SF).

**SEEDING:** FOR PERIODS MARCH 1 THRU APRIL 30 AND AUGUST 15 THRU NOVEMBER 15, SEED WITH 2 1/2 BUSHEL/ACRE ANNUAL RYE (3.2 LBS/1000 SF). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 1 LBS/ACRE WEEPING LOVEGRASS (0.07 LBS/1000 SF). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS/ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

**MULCHING:** APPLY 1 1/2 TO 2 TONS/ACRE (70 TO 90 LBS/1000 SF) OF UNADDED SMALL-GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS/ACRE (5 GAL/1000 SF) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FT OR HIGHER, USE 348 LBS/ACRE (8 GAL/1000 SF) FOR ANCHORING.

REFER TO THE 19194 MARYLAND STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

### PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS DESIRED.

**SEEDBED PREPARATION:** LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

**SOIL AMENDMENTS:** IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- PREFERRED** - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SF) AND 600 LBS/ACRE 10-10-10 FERTILIZER (14 LBS/1000 SF) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL. AT THE TIME OF SEEDING, APPLY 400 LBS/ACRE 20-0-0 UREAFORM FERTILIZER (9 LBS/1000 SF).
- ACCEPTABLE** - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SF) AND APPLY 1000 LBS/ACRE 10-10-10 FERTILIZER (23 LBS/1000 SF) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL.

**SEEDING:** OR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 15 THRU OCTOBER 15, SEED WITH 60 LBS/ACRE (1.4 LBS/1000 SF) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS/ACRE OF KENTUCKY 31 TALL FESCUE AND 2 LBS/ACRE (0.05 LBS/1000 SF) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 29, PROTECT SITE BY OPTION 1) TONS/ACRE WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION 2) USE SOD. OPTION 3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

**MULCHING:** APPLY 1 1/2 TO 2 TONS/ACRE (70 TO 90 LBS/1000 SF) OF UNADDED SMALL-GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS/ACRE (5 GAL/1000 SF) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FT OR HIGHER, USE 348 LBS/ACRE (8 GAL/1000 SF) FOR ANCHORING.

**MAINTENANCE:** INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, PLACEMENTS AND RESEEDINGS.

### SEQUENCE OF CONSTRUCTION

- OBTAIN RADING PERMIT.
- INSTALL EROSION CONTROL AS SHOWN ON PLAN 1 DAY IN ACCORDANCE WITH DETAILS.
- CLEAR TO ROUGH GRADE SITE. 1 WEEK
- CONSTRUCT HOUSE. 4 MONTHS
- FINE GRADE AND STABILIZE SITE WITH TOPSOIL 3 DAYS AND SEE NOTES THIS SHEET
- AFTER SITE IS PERMANENTLY STABILIZED AND PERMISSION GRANTED FROM HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.

### 21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

#### DEFINITION

PLACEMENT OF TOPSOIL OVER A PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION.

#### PURPOSE

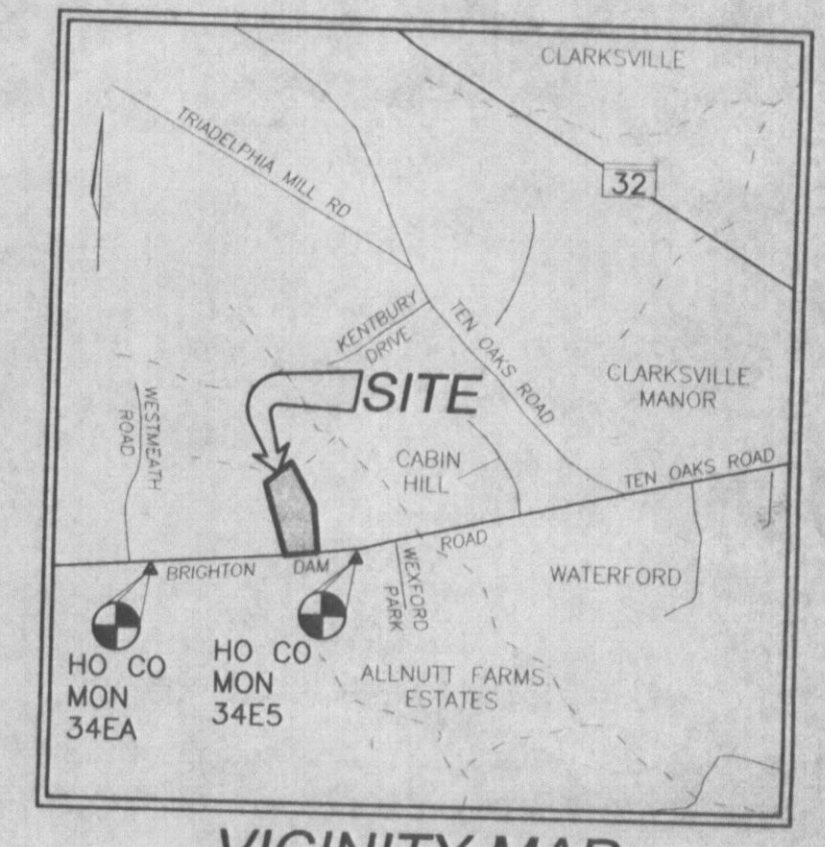
TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETABLE GROWTH. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW PH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION.

### CONDITIONS WHERE PRACTICE APPLIES

- THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:
  - THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH.
  - THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS.
  - THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.
  - THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE.
- FOR THE PURPOSE OF THESE STANDARDS AND SPECIFICATIONS, AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN FOR ADEQUATE STABILIZATION. AREAS HAVING SLOPES STEEPER THAN 2:1 SHALL HAVE THE APPROPRIATE STABILIZATION SHOWN ON THE PLANS.

### CONDITIONS WHERE PRACTICE APPLIES

- TOPSOIL SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS. TYPICALLY, THE DEPTH OF TOPSOIL TO BE SALVAGED FOR A GIVEN SOIL TYPE CAN BE FOUND IN THE REPRESENTATIVE SOIL PROFILE SECTION IN THE SOIL SURVEY PUBLISHED BY USDA-SCS IN COOPERATION WITH MARYLAND AGRICULTURAL EXPERIMENTAL STATION.
- TOPSOIL SPECIFICATIONS: SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:
  - TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR A SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURED SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CINDERS, STONES, SAND, COARSE FRAGMENTS, GRAVEL, STICK ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1 1/2" IN DIAMETER.
  - TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONGRASS, NUISANCE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
  - WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR IMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 LBS/1000 SF) PRIOR TO THE PLACEMENT OF TOPSOIL. LIMESTONE SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.
- FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:
  - PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION 1 - VEGETATIVE STABILIZATION METHODS AND MATERIALS.
- FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES:
  - ON SOIL MEETING TOPSOIL SPECIFICATION, OBTAIN TEST RESULTS DICTATING FERTILIZER AND LIME AMENDMENTS REQUIRED TO BRING THE SOIL INTO COMPLIANCE WITH THE FOLLOWING:
    - PH FOR TOPSOIL SHALL BE BETWEEN 6.0 AND 5.0. IF THE TESTED SOIL DEMONSTRATES A PH OF LESS THAN 5.0, SUFFICIENT LIME SHALL BE PRESCRIBED TO RAISE THE PH TO 6.0 OR HIGHER.
    - ORGANIC CONTENT OF TOPSOIL SHALL NOT BE LESS THAN 1.5 PERCENT BY WEIGHT.
    - TOPSOIL HAVING SOLUBLE SALT CONTENT GREATER THAN 500 PARTS PER MILLION SHALL NOT BE USED.
    - NO SOD OR SEED SHALL BE PLACED ON SOIL WHICH HAS BEEN TREATED WITH SOIL STERILANTS OR CHEMICALS USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS ELAPSED (90 DAYS MIN.) TO PREVENT DISPERSION OF PHYTO-TOXIC MATERIAL.
  - NOTE: TOPSOIL SUBSTITUTES OR AMENDMENTS, RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF NATURAL TOPSOIL.
  - PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION 1 - VEGETATIVE STABILIZATION METHODS AND MATERIALS.
- TOPSOIL APPLICATION:
  - WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BINS.
  - GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBERT 4"-8" IN ELEVATION.
  - TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4" LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4". SPRINGS SHALL BE PERFORMED IN SUCH A MANNER THAT SODDING OR BEING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TIPPING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.
  - TOPSOIL SHALL NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS CESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.



### SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTION, LICENSE AND PERMITS SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (410) 313-1855.
- ALL VEGETATION AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3:1. B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 7, HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITH THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING, SOD, TEMPORARY SEEDING, AND MULCHING (SEC. C). TEMPORARY STABILIZATION WITH MULCH ALONE SHALL BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROLS STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:
 

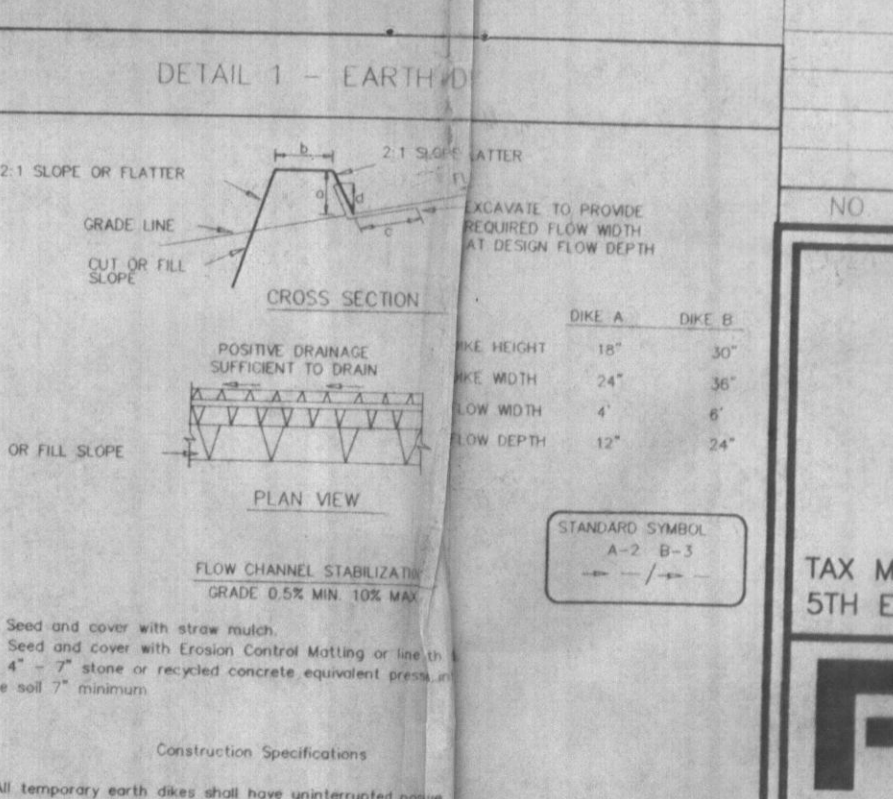
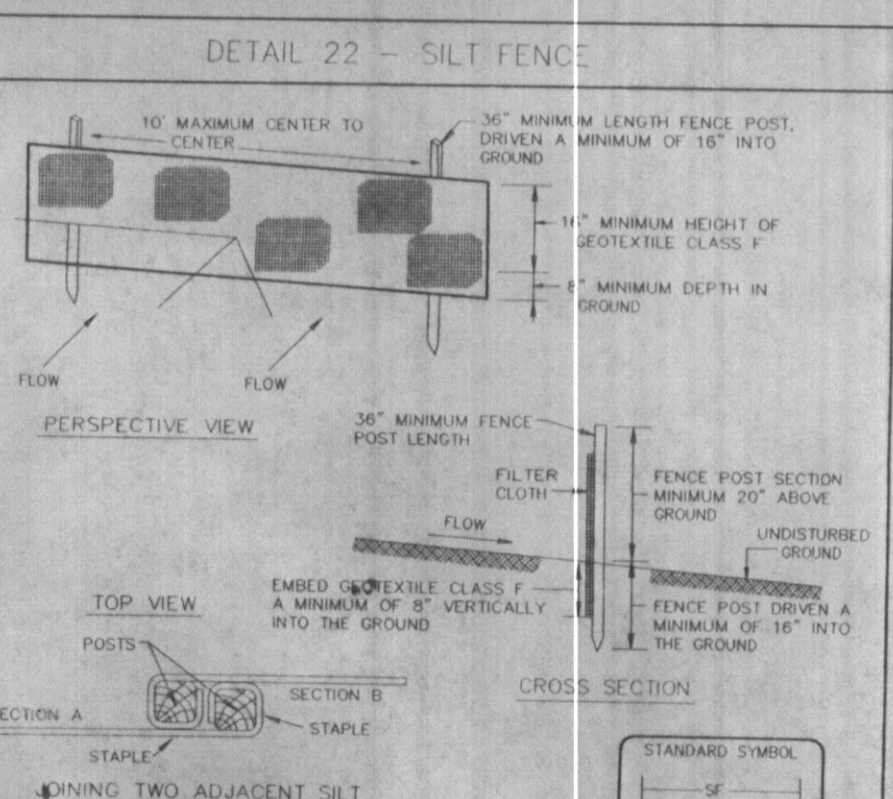
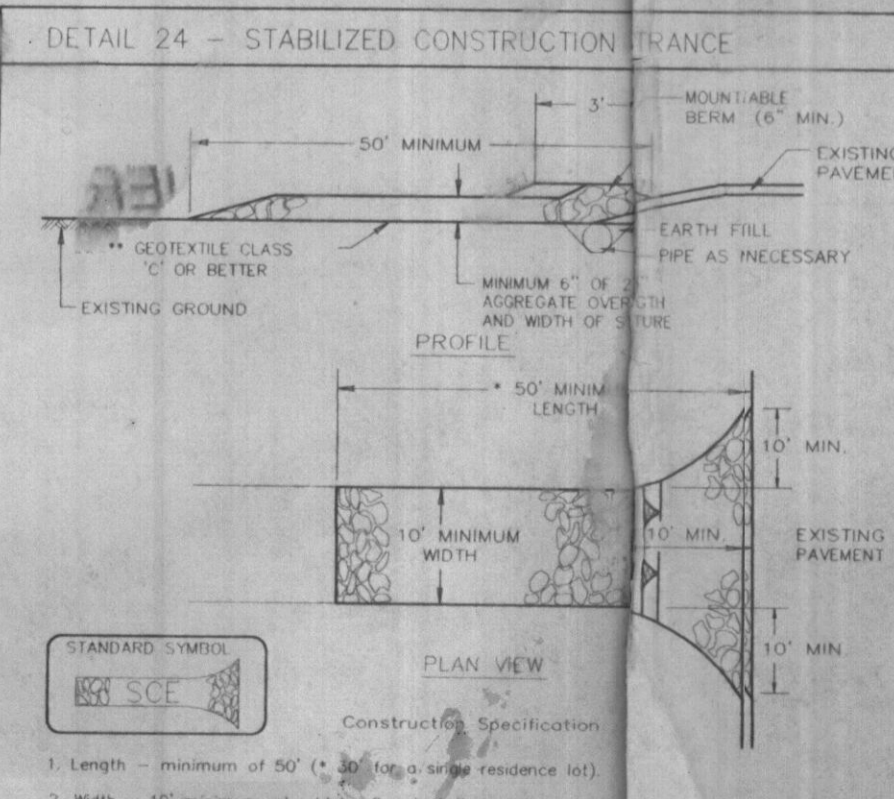
TOTAL AREA	70,825 SF
AREA TO BE ROOFED OR PAVED	29,280 SF
AREA TO BE VEGETATIVELY STABILIZED	13,730 SF
TOTAL CY	2050 CY +
TOTAL FILL	2050 CY +
OFFSITE WATER/BORROW AREA LOCATION	N/A
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.
- \*TO BE DETERMINED BY CONTRACTOR, WITH PRE-APPROVAL OF THE SEDIMENT CONTROL INSPECTOR WITH AN APPROVED AND ACTIVE GRADING PERMIT.
- \*CUT AND FILL TO BE DETERMINED BY CONTRACTOR. QUANTITIES PROVIDED FOR PERMIT PURPOSES ONLY.

### GENERAL NOTES

- THE PROPERTY OUTLINE IS BASED ON HOWARD COUNTY PLAT NO 14890.
- THE EXISTING FEATURES AND CONTOURS SHOWN HEREON ARE BASED ON FIELD SURVEY BY FREDERICK WARD ASSOCIATES.
- DRIVEWAY(S) SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
  - WIDTH - 12 FT (14 FT IF SERVING MORE THAN ONE RESIDENCE)
  - SURFACE - P-1 STANDARD PAVING
  - GEOMETRY - MAX 15% GRADE, MAX 10% GRADE CHANGE
  - STRUCTURES (BRIDGES/CULVERTS) - CAPABLE OF SUPPORTING 25 GROSS
  - DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD WITH NO MORE THAN 1 FT DEPTH OVER DRIVEWAY SURFACE.

PLAN  
SCALE: 1"=50'

LEGEND	
450	EXISTING MAJOR CONTOUR
452	EXISTING MINOR CONTOUR
450	PROPOSED MAJOR CONTOUR
452	PROPOSED MINOR CONTOUR
LOD	LIMIT OF DISTURBANCE



USDA - NATURAL RESOURCES CONSERVATION SERVICE	DATE

HOWARD S.C.D.	DATE	SIGNATURE OF DEVELOPER	DATE	SIGNATURE OF ENGINEER	DATE

BY THE DEVELOPER:  
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR INSTRUCTION WILL BE DONE IN ACCORDANCE TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENTATION BEFORE BEGINNING THE PROJECT.

BY THE ENGINEER:  
I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE	MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES	PAGE	MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES	PAGE

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE	MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES	PAGE	MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES	PAGE

NO.	REVISION	DATE

**PLOT PLAN**

**LOT 2**  
**SHAKOORZADEH/BOLOORI**  
**RESIDENCE**  
12982 BRIGHTON DAM ROAD

TAX MAP: 34 BLOCK: 10  
5TH ELECTION DISTRICT

PARCEL 14  
HOWARD COUNTY, MARYLAND

7125 RIVERWOOD DRIVE  
COLUMBIA, MARYLAND 21046-2394  
410-720-8900  
410-720-6226 fax

REGIONAL OFFICES:  
BETH AIR, MARYLAND AND WARRENTON, VIRGINIA

**FREDERICK WARD ASSOCIATES, INC.**  
ARCHITECTS | ENGINEERS | PLANNERS | SURVEYORS | www.frederickward.com

DESIGN BY: RHW/GMH  
DRAWN BY: GMH  
CHECKED BY: RHW  
DATE: SEPTEMBER 2003  
SCALE: AS SHOWN  
W.O. NO.: 2019175

1 SHEET OF 2