

LAYOUT 5/27/04 PM INSP 4 7/19/04 - PM
 INSP 2 7/12 INSP 5 7/20/04 P.M.
 INSP 3 7/16 INSP 6 _____

ISSUE DATE: 5/4/04
 APPROVAL DATE: 4/1/05

**PERMIT
INDEXED**

P 520340
 A 511556 B

05 433 800

**ON-SITE SEWAGE DISPOSAL SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT
 BUREAU OF ENVIRONMENTAL HEALTH**

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL ALTER

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

SUBDIVISION: Hedgerow Estates LOT NUMBER: 3

ADDRESS: 13520 Bella Notte Way PROPERTY OWNER: Ram Singhal

SEPTIC TANK CAPACITY (GALLONS): 1250 + OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): 1250 + COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 150

*Inlet 4'
Bottom 7'*

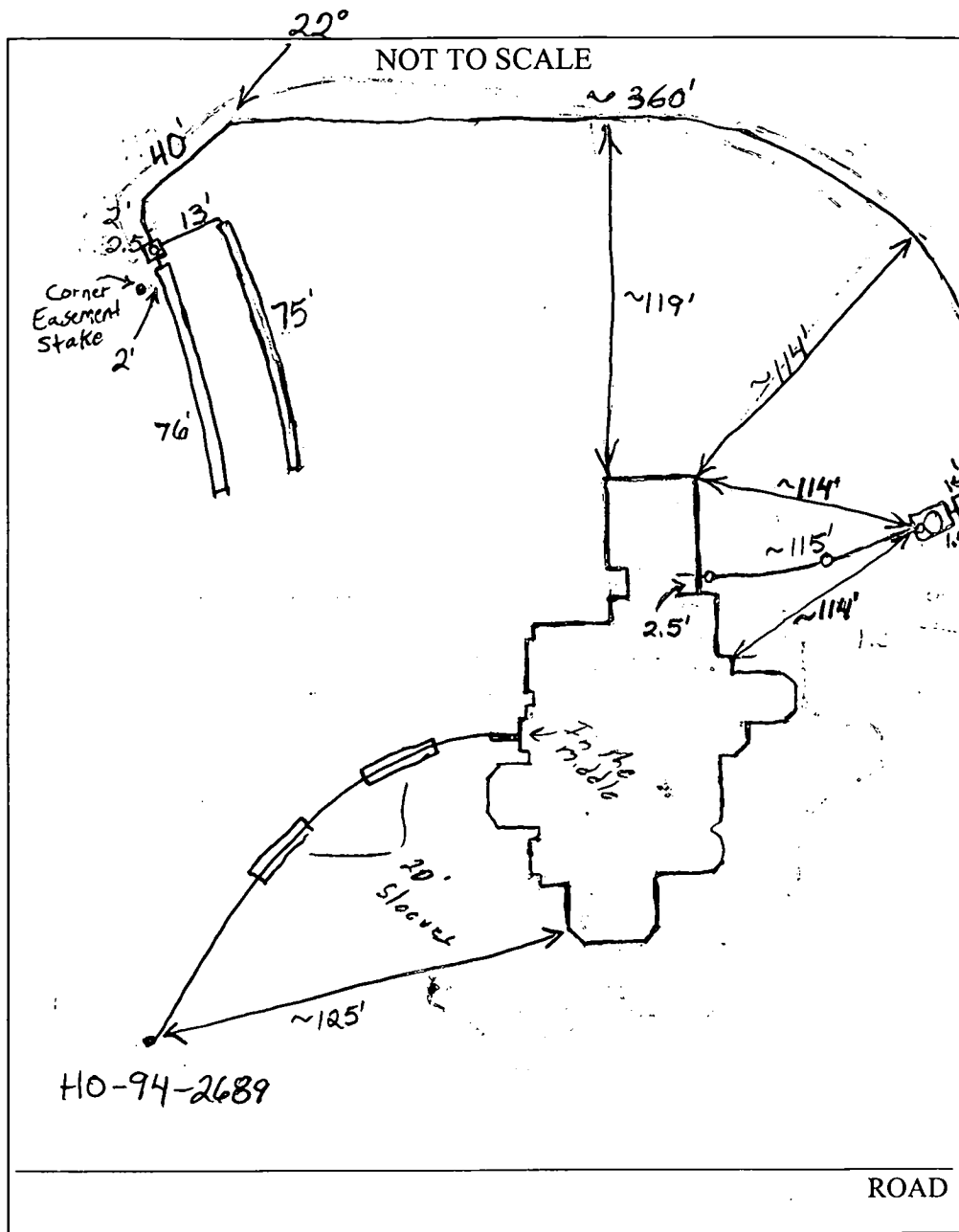
TRENCHES:	Trench to be 3.0 feet wide. Inlet 4.5 feet below original grade. Bottom maximum depth 6.5 feet below original grade. Effective area begins at 4.5 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Run two 75 foot trenches on contour.
NOTES:	Basement gravity service is proposed.

PLANS APPROVED: Kacie Noonan DATE: 5/1/2003

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

**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
 CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

A511 556



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	4'	7'
NUMBER OF TRENCHES		2
TOTAL LENGTH		151'
ABSORPTION AREA		453 + Sidewall
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		Elbow
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL ✓	
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	2'-2.5'
BAFFLES	Yes Per Ricky
BAFFLE FILTER	No
MANHOLE LOC	Middle
6" PORT LOC	Front
WATERTIGHT TEST	No
SEPTIC TANK 2 LEVEL ✓	
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	2'-2.5'
BAFFLES	No
BAFFLE FILTER	No
MANHOLE LOC	Middle
6" PORT LOC	Back
WATERTIGHT TEST	No

PRE-CONSTRUCTION 5/27/04 SRA staked. House connection stubbed out in wrong location. House surrounded by fill. Builder had INSTALLATION told Troglis that there were plans for a future pool. Need to have another layout inspection when fill is removed and pool location determined. (BB) 7/13/04 No work done. (BB) 7/16/04 Line run from house to tank holes. Waiting on tanks. (BB) 7/17/04 Pump installed. Pump line started. Troglis asked if they could increase stone depth by 1 foot. O.K. I met at 4' bottom at 7'. (BB) System finished. O.K. to cover everything. Need pump and alarm test. (BB) 3/24/05 No water in tank. (BB)

FINAL INSPECTOR B. Baker

DATE OF APPROVAL 4/1/05

4/1/05 Pump and alarm working. (BB)

5/14/04
Copy of large
orig. wall
check.
with
well statement
written by
Southeast Municipal
Wall Check
OK

Home
Moved
west
(KW)

S. 88°41'36" E. 298.80'

N. 01°18'24" E. 400.50'

S. 50°22'42" E. 375.00'

POURED CONC.
FOUNDATION
TOP OF WALL=556.93
(SEE DETAIL)

LOT 3
4.9994 AC.±

EX. WELL
HO-94-2689

60' B.R.L.

138'±

156'±

30' B.R.L.

30'

75'
B.R.L.

30' B.R.L.

171'±

30'

75' B.R.L.

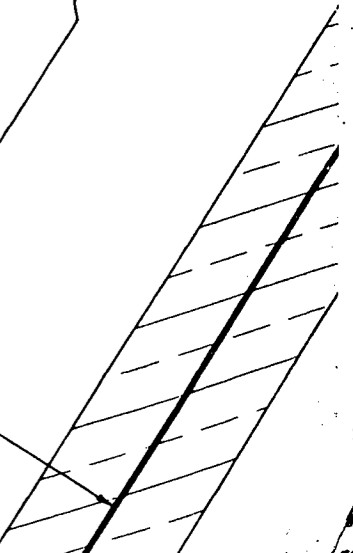
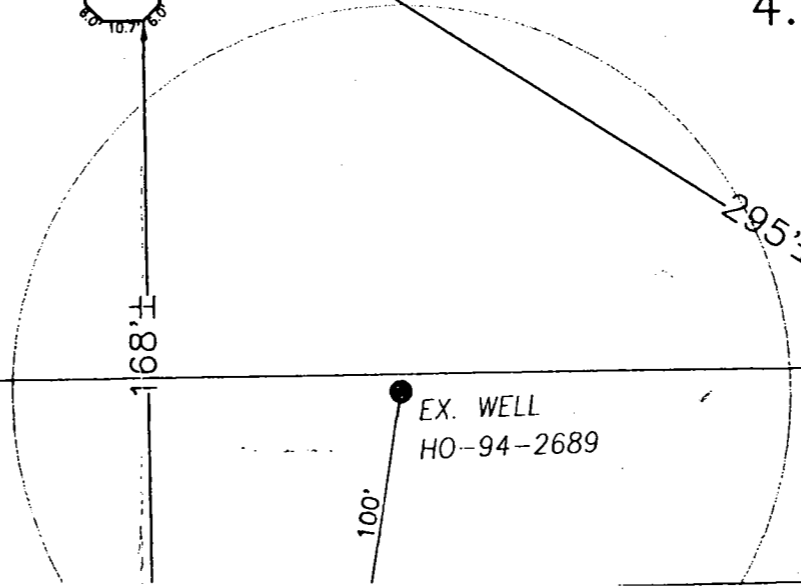
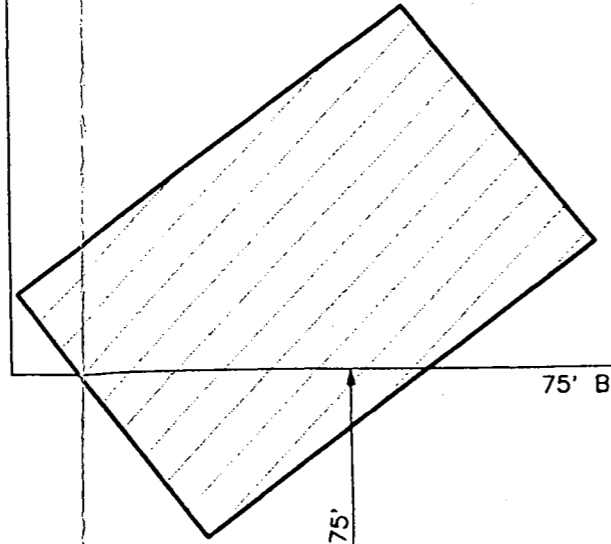
168'±

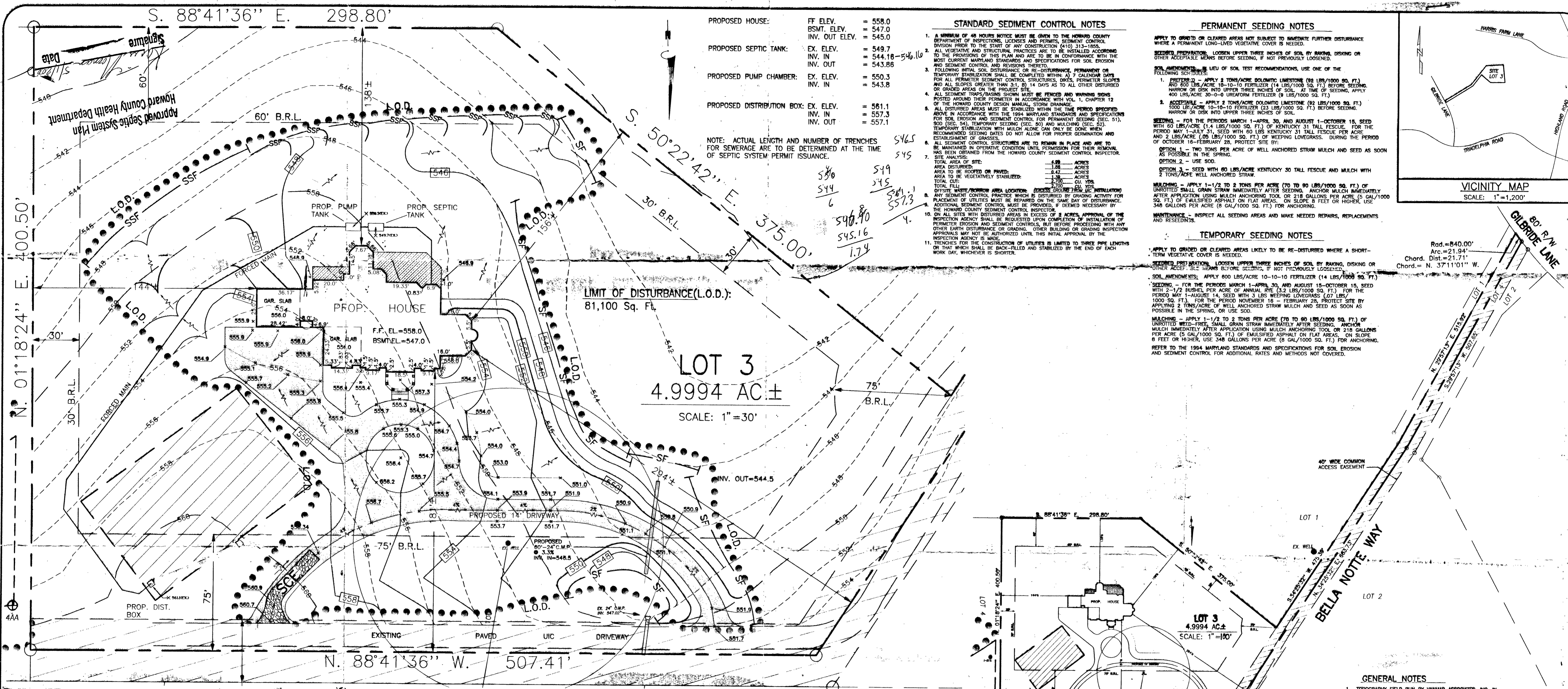
295'±

100'

1:50

⊕





PROPOSED HOUSE: FF ELEV. = 558.0, BSMT. ELEV. = 547.0, INV. OUT ELEV. = 545.0

PROPOSED SEPTIC TANK: EX. ELEV. = 549.7, INV. IN. = 544.18-546.16, INV. OUT. = 543.86

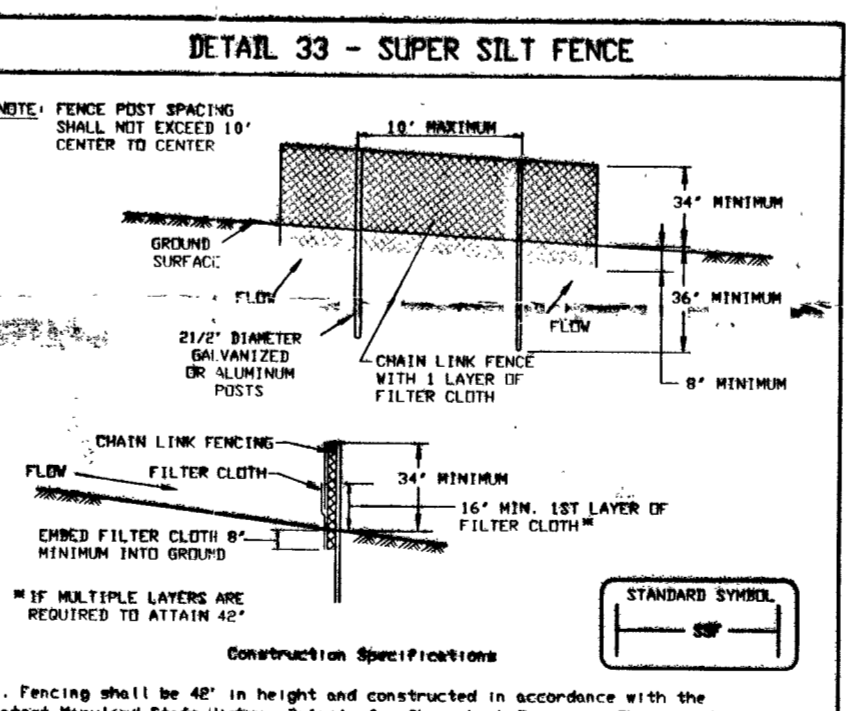
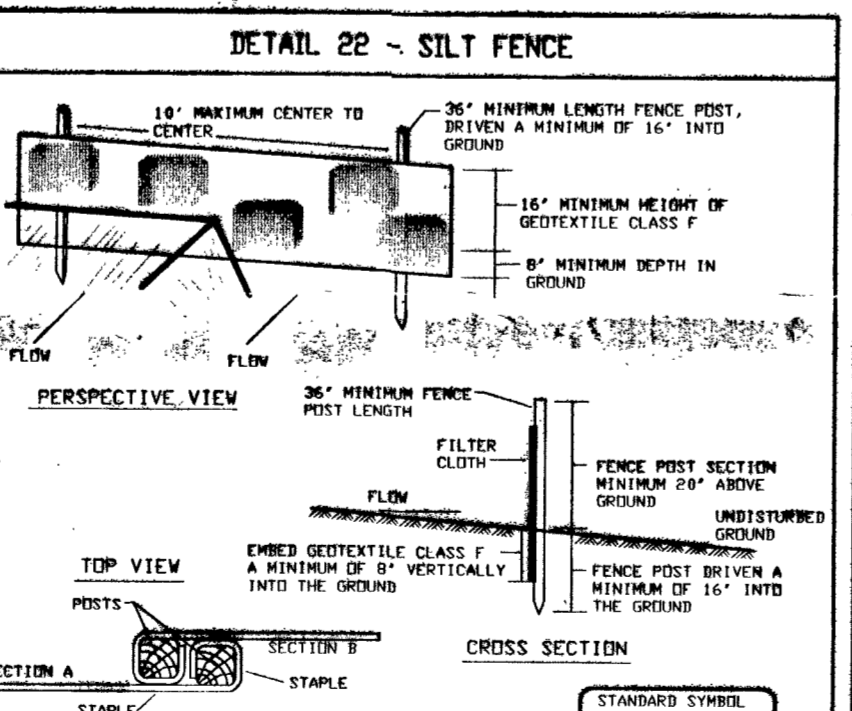
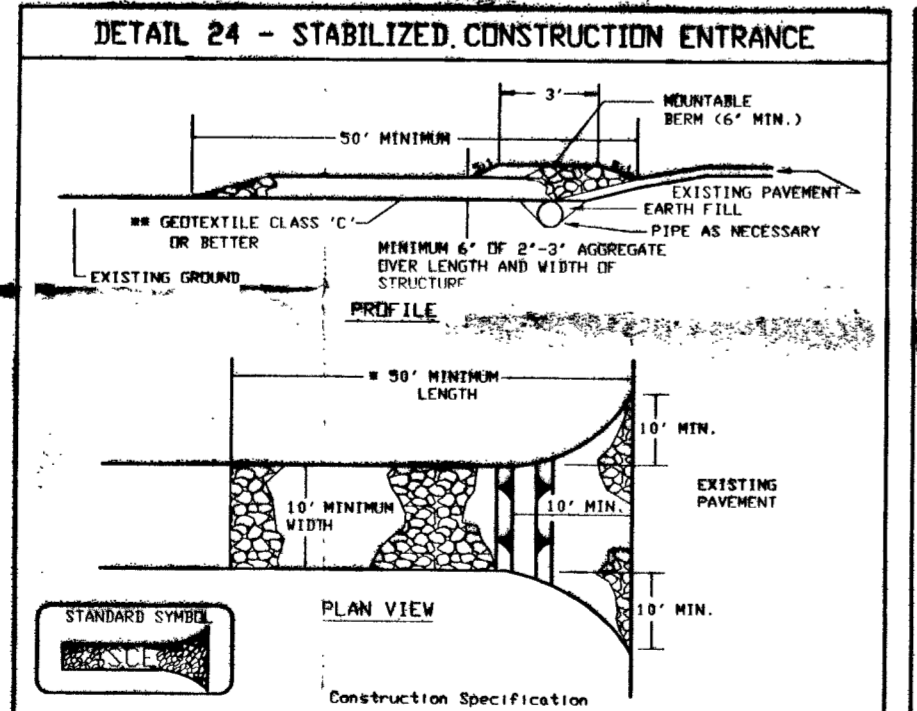
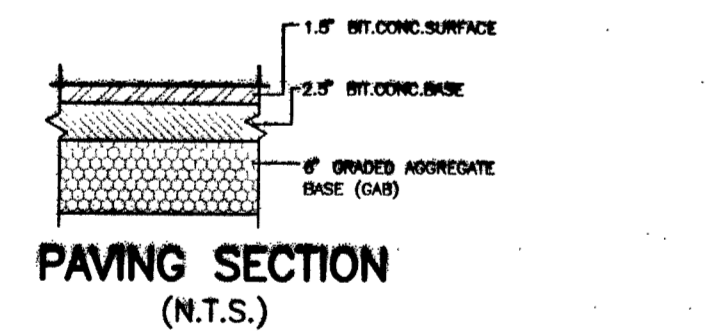
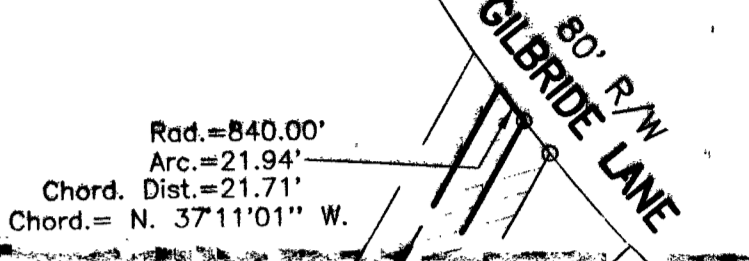
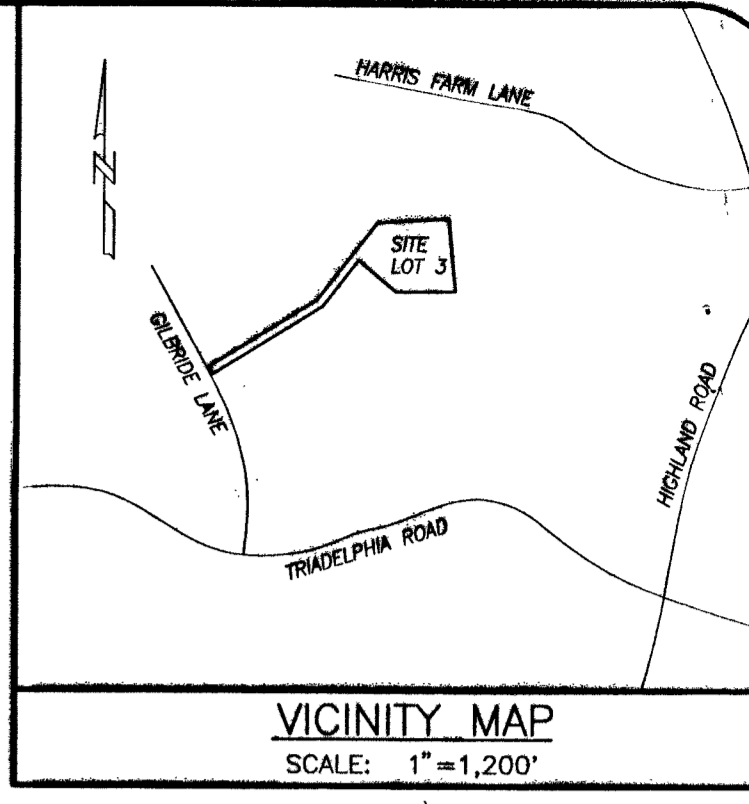
PROPOSED PUMP CHAMBER: EX. ELEV. = 550.3, INV. IN. = 543.8

PROPOSED DISTRIBUTION BOX: EX. ELEV. = 561.1, INV. IN. = 557.3, INV. OUT. = 557.1

- STANDARD SEDIMENT CONTROL NOTES**
- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (410) 313-1855.
 - ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THEREOF.
 - FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 72 HOURS OF THE DATE OF INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE. PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 72 HOURS OF THE DATE OF INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE.
 - ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1984 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 51), SOIL (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
 - ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMANENT SEEDING HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - SITE ANALYSIS:
 - TOTAL AREA OF SITE: 4.9994 ACRES
 - AREA DISTURBED: 1.48 ACRES
 - AREA TO BE VEGETATIVELY STABILIZED: 4.47 ACRES
 - TOTAL FILL: 2,700 CU. YDS.
 - OFFSITE WASTE/SPILL AREA LOCATION: EDGES OF ROAD/UC (RECALCULATED)
 - PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE. ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DETERMINED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROL, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE ADJUDICATED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
 - TRENCHES FOR THE CONSTRUCTION OF UTILITIES ARE LIMITED TO THREE FEET LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED BY THE END OF EACH WORK DAY, WHICHEVER IS SHORTER.

- PERMANENT SEEDING NOTES**
- APPLY TO GRADED OR CLEARED AREAS SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.
- SEEDER 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:
 - PREFERRED - APPLY 2 TONS/ACRE DOLOMITIC LIMESTONE (82 LBS/1000 SQ. FT.) AND 600 LBS/ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS/ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ. FT.)
 - ACCEPTABLE - APPLY 2 TONS/ACRE DOLOMITIC LIMESTONE (82 LBS/1000 SQ. FT.) 1000 LBS/ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL.
- SEEDING - FOR THE PERIODS MARCH 1-APRIL 30, AND AUGUST 15-OCTOBER 15, SEED WITH 60 LBS/ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1-JULY 31, SEED WITH 60 LBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS/ACRE (0.8 LBS/1000 SQ. FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16-FEBRUARY 28, PROTECT SITE BY:
 - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING.
 - USE SOO.
 - SEED WITH 80 LBS/ACRE KENTUCKY 30 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.
- MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPE 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.
- MAINTENANCE - INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

- TEMPORARY SEEDING NOTES**
- APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE RE-DISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
- SEEDER PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS: APPLY 400 LBS/ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.)
- SEEDING - FOR THE PERIODS MARCH 1-APRIL 30, AND AUGUST 15-OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ. FT.) FOR THE PERIOD MAY 1-AUGUST 14, SEED WITH 3 LBS WEEPING LOVEGRASS (0.7 LBS/1000 SQ. FT.) FOR THE PERIOD NOVEMBER 16 - 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 SOO.
- MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED WHEAT-FREE SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPE 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.
- REFER TO THE 1984 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL RATES AND METHODS NOT COVERED.



- REQUIRED SEQUENCE OF CONSTRUCTION**
- OBTAIN GRADING PERMIT
 - NOTIFY HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION A MINIMUM OF 48 HOURS PRIOR TO START OF WORK (410) 313-1855.
 - INSTALL STABILIZED CONSTRUCTION ENTRANCE, EARTH TIE, SILT FENCE, AND DRIVEWAY CULVERT.
 - GRADE SITE.
 - STABILIZE ALL DISTURBED AREAS AS PER PERMANENT SEEDING NOTES.
 - CONSTRUCT BUILDING.
 - INSTALL MINIMUM SEDIMENT CONTROL MEASURES AS REQUIRED BY HOWARD COUNTY SEDIMENT CONTROL INSPECTOR FOR INSTALLATION OF SEPTIC SYSTEM TRENCHES.
 - STABILIZE ALL DISTURBED AREAS AS PER PERMANENT SEEDING NOTES.
 - INSTALL PAVING & SIDEWALKS.
 - UPON APPROVAL FROM SEDIMENT CONTROL INSPECTOR, REMOVE ALL CONTROL DEVICES AND STABILIZE AS PER PERMANENT SEEDING NOTES.

ENGINEER'S CERTIFICATE:

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 AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Sourabh G. Munshi 4/21/03
 SOURABH G. MUNSHI, P.E. DATE

DEVELOPER'S CERTIFICATE:

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THEN ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIOD ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

DEVELOPER DATE

APPROVED: SOIL CONSERVATION SERVICE

REVIEW FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.

USDA - NATURAL RESOURCES CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

HOWARD SOIL CONSERVATION DISTRICT DATE

CONSTRUCTION SPECIFICATIONS

- Length - minimum of 50' (40' for single residence lot).
- Width - 10' minimum, should be flared at the existing road to provide a turning radius.
- Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single family residences to use geotextile.
- Stone - crushed aggregate (2\"/>

CONSTRUCTION SPECIFICATIONS

- Fence posts shall be a minimum of 36\"/>

CONSTRUCTION SPECIFICATIONS

- Fencing shall be 4\"/>

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
LOT #3, p/o PARCEL #61	13520 BELLA NOTTE WAY

PERMIT INFO CHART			
Subdivision Name:	Section/Area:	Lot/Parcel No.:	
HEDGEROW ESTATES		3	
Field # L/P: M.D.R.1443B	Grid: 20	Zoning: RR	Sex Map No.: 28
DATE: 04/21/03		Per Comments: (SCS.BR-04/18/03) (GP-03-51)	Election Dist.: Census Tract:
DATE: (PRIVATE) ON - LOT		DATE: (PRIVATE) ON - LOT	
OWNER/DEVELOPER: RAM K. SINGHAL 408 FOX DEN LANE MILLERSVILLE, MARYLAND 21108 (202) 528-2131			
TAX MAP: #28, BLOCK: #20, PARCEL: P/O 61			
SEDIMENT CONTROL PLAN & PLOT PLAN LOT 3 HEDGEROW ESTATES (PLAT-M.D.R. #1443B) 13520 BELLA NOTTE WAY FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: 1"=30' MARCH, 2003			
VANMAR ASSOCIATES, INC. Engineers Surveyors Planners 310 South Main Street, P.O. Box 328 Mount Airy, Maryland 21771 (301) 629-2880 (301) 951-9515 (410) 648-2751			

GP-03-51

