

2-19-97
11:30
3/24/97
WPE

PERMIT

04-358064

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 57667

A 41153

DISTRICT 4th

DATE 2/5/97

DATE SYSTEM APPROVED 2-26-97

INSPECTOR KM

INDEXED

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXXXX~~ 313-2640

Olen Ketterman IS PERMITTED TO INSTALL X ALTER

ADDRESS 14960 Route 144, Woodbine, Maryland 21797 PHONE 442-1336

SUBDIVISION Wellington Sec. III LOT 73 ROAD 2938 Hunt Valley Drive

PROPERTY OWNER Bill Hensen

ADDRESS

SEPTIC TANK CAPACITY 1500 GALLONS

NUMBER OF BEDROOMS 5

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 350

TRENCHES - Trench to be 3 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3.5 feet below original grade. 1.5 feet of stone below distribution pipe.

LOCATION - Begin trenches 190 feet up the left (346.71') lot line and 65 feet off that same lot line as seen when facing the lot from Hunt Valley Drive. Run trenches on contour toward back lot line.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK KM 12/18/96

2/4/97
See walk check for placement of DB AUM

PLANS APPROVED BY Amy McMillen/Donna K. Soe DATE 11/26/96

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS AND RETURNED 9-30-99

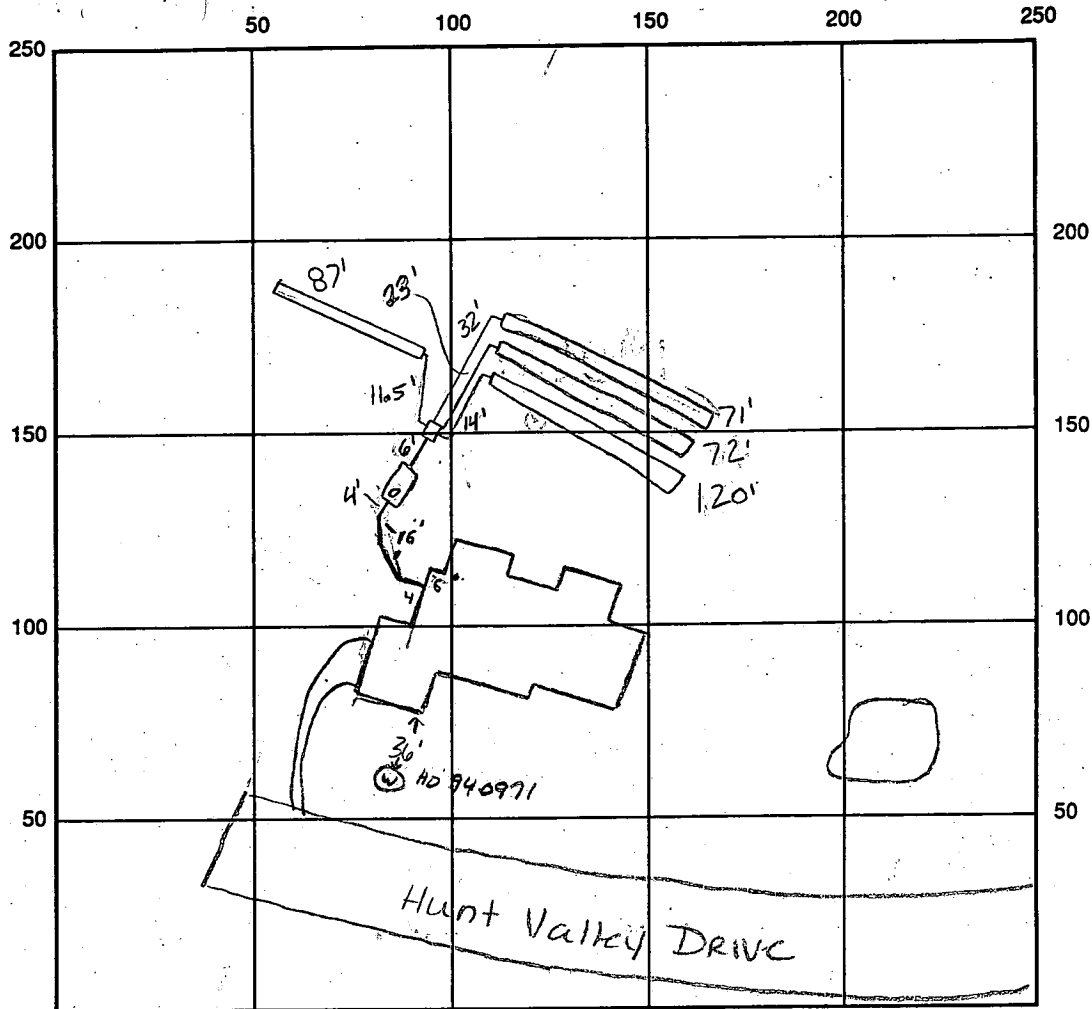
PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED. deck

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

A
41153



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK 5' RISER CLEANOUTS ok, on tank (1)

DISTRIBUTION BOX LEVEL ok - baffle in.

DRAIN FIELD/TITLE DEPTH 5.0 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3.5 FT.

EFFECTIVE GRAVEL DEPTH 1.5 FT. TOTAL LENGTH $\frac{1 \times 71}{1 \times 72} + \frac{1 \times 87}{1 \times 120}$ FT. $\rightarrow 350$

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 1050 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 1-29-97 Contractor reported contours at site do not match plan. Site insp. - test hole done - passed - submit wall check so that septic system can be placed in correct location ALM 2-19-97 TANK SET OK, DIST BOX TO BE CORRECTED, OK TO COVER TO

DIST. BOX, KM

2-26-97 ok to continue and to cover all work, house connection made KM

3-24-97 WPT ok to cover well line P.A. 4.5' below grade, casing 1' above grade needs 2 piece watertight cap KM

DATE SYSTEM APPROVED 2-26-97

INSPECTOR Kimberly Maiter

APPLICATION

58

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 41153
P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE 992-2330

DISTRICT 4TH

DATE December 18, 1987

FEB 26 1988

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER C. Oliver Goldsmith, et ux, Bill HENSON

ADDRESS Route 27, Longwood Farm, Glenwood, MD 21737 PHONE 301-442-2121

PROPERTY LOCATION:

SUBDIVISION Longwood Farm LOT NO. 58
57 1/2 Acre Parcel
58
58-5A-3 ACRE ZONING

ROAD AND DESCRIPTION Southwest Quadrant of intersection of Roxbury Mills Rd. (Rt.97) and
(2938 Hunt Valley Drive)
Union Chapel Road

BLOG PERMIT SIGNED
AND RETURNED 12/16/87
Serial # B1103373 - SFD
SFD Residential 5 Beds

SIZE OF LOT 3+ Acres TYPE BLOG. SFD Residential
(NUMBER OF BEDROOMS) *

* Undetermined at this time

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE

FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY

WITH ALL MOSHA REQUIREMENTS IN TESTING THIS LOT. SEWERAGE DEVELOPMENT CORP.
By: [Signature]
(SIGNATURE OF APPLICANT)

APPROVED BY [Signature] FOR [Signature] DATE 2/12/90

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

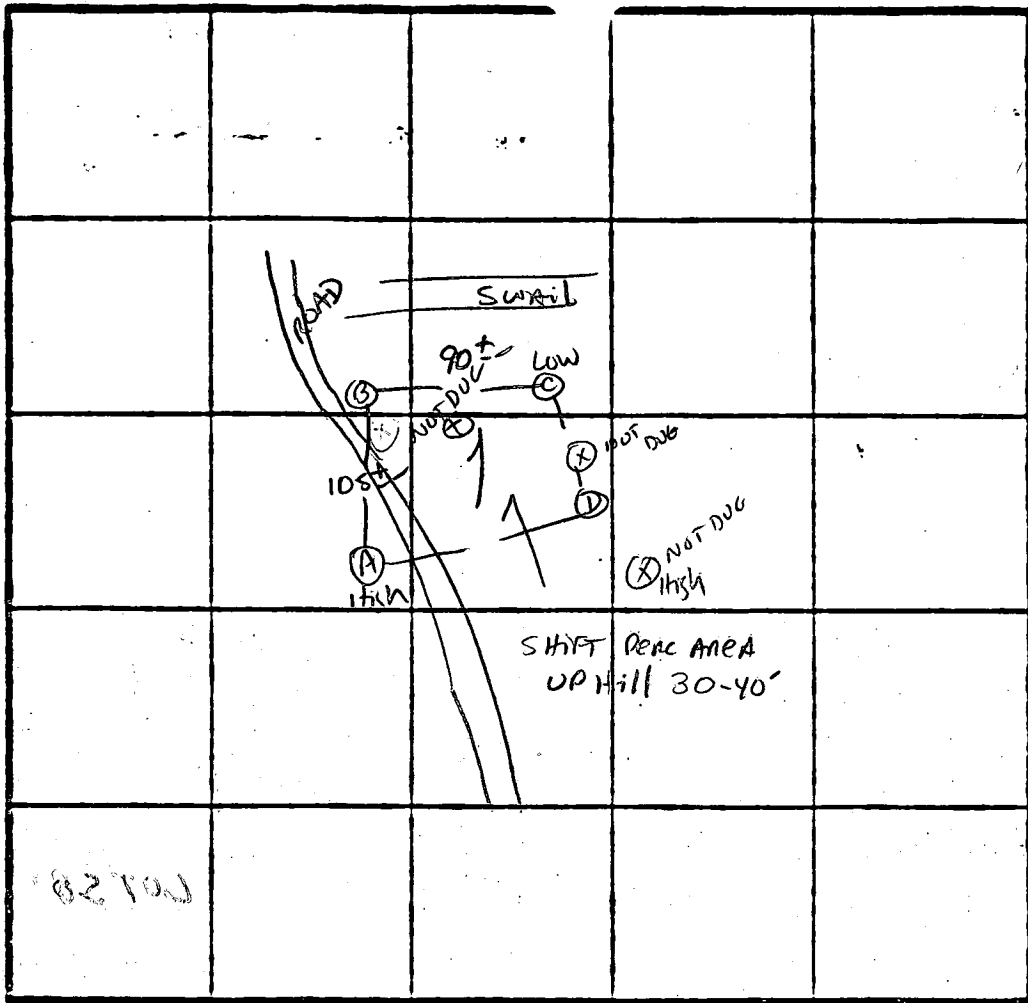
REASONS FOR REJECTION OR HOLDING 10/7/88 PUC SATISFACTORY - hold for plat. sub

THIS IS NOT A PERMIT

A-41153
LOT 58 2ND
PROPOSAL

SOIL PROFILE

0	A1-3
3"	Strong Br Silt Clay Loam 10-15% Frags
3.0'	Yellow Br Silt Loam <10% Frags Slightly micaceous



PERC 11 MIN
210 #/BA
INLET 3.5'
BOTTOM 5.0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/7/88	A S	3.5	9:39	9:46	9:46	10:10	24 MIN
		7.5	9:39	9:44	9:44	9:53	9 MIN
	AV	12"	UNIFORM soil below 3.5'				
	B S	3.0'	9:44	9:47	9:47	9:52	5 MIN
		11.5	UNIFORM soil below 30"				
	C S	3.0'	9:46	9:48	9:48	9:55	7 MIN
		11.5'	UNIFORM soil below 30"				
	D S	3.5	9:55	9:58	9:58	10:04	6 MIN
		11.5'	UNIFORM soil below 3.5'				

REMARKS Penced Diff THAN STAKED / Shallow syst only

TYPE OF SOIL Glenelg

TESTED BY S. Abel

ALSO PRESENT _____

EH-12-1079

C1 1918

SEQUENCE NO. (DENY USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

(THIS NUMBER IS TO BE PUNCHED IN CCLS 3-6 ON ALL CARDS)

COUNTY NUMBER A 41153

DATE RECEIVED

DATE WELL COMPLETED

Depth of Well (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER SELF RIGGE Builders, STREET OR RFD last name Hunt VALLEY DR. first name TOWN GLENWOOD, SUBDIVISION WELLINGTON EST. SECTION 2 LOT 73

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Rows include Sand y, Sand Stone, MICKA, Sand Stone, MICKA, Sand Stone, MICKA.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 9 NO. OF POUNDS 908

CASING RECORD casing types insert appropriate code below (ST, CO, PL, OT) MAIN CASING TYPE (PL) Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 30

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD screen type or open hole (ST, BR, HO, PL, OT) SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

DEPTH (nearest ft.) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51

IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED.

WELL HYDROFRACTURED yes (Y) no (N)

CIRCLE APPROPRIATE LETTER. A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED. E ELECTRIC LOG OBTAINED. P TEST WELL CONVERTED TO PRODUCTION WELL.

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 116, DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) 117 Ralph E. Maynard

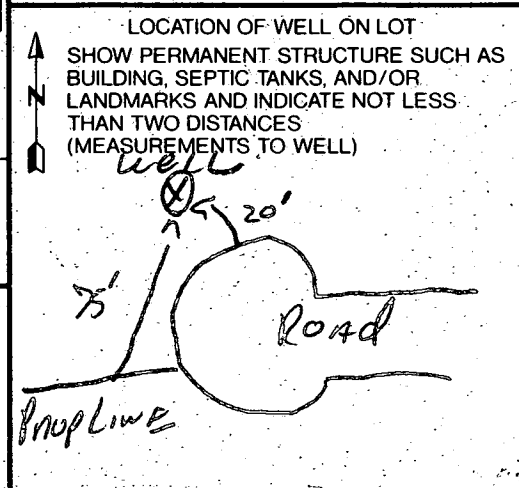
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68. MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q (74, 75, 76)

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 12 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 27 WHEN PUMPING 32 TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED DRILLER WILL INSTALL PUMP YES (NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (nearest foot)

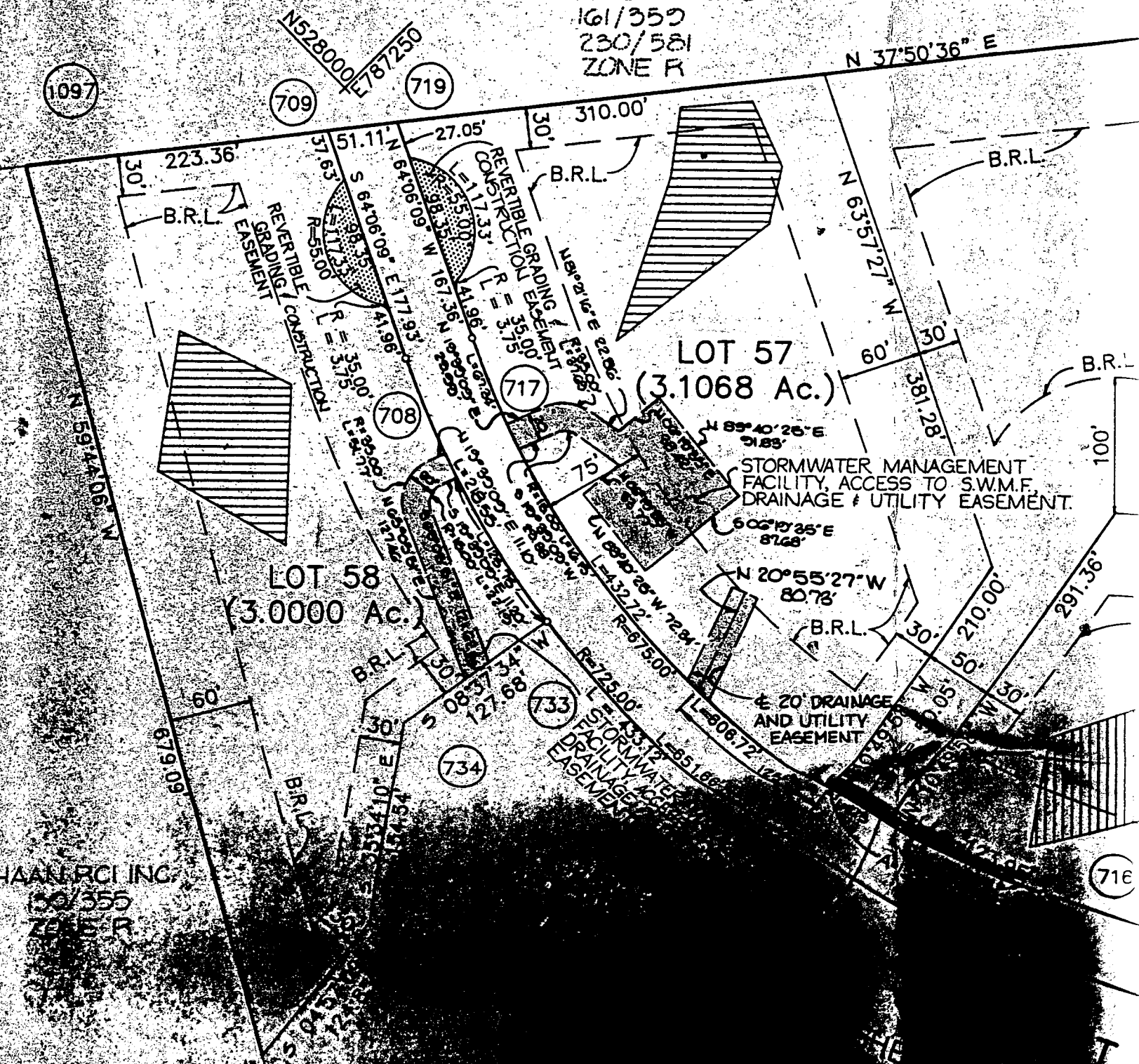


Rollington Sub
3-acre zoning
approved final plat

CURVE DATA

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
704-703	375.00'	327.25'	174.87'	316.96'	N 27°53'51" E	50°00'00"
706-705	425.00'	458.19'	252.85'	434.80'	N° 33'38'51" E	61°30'00"
707-708	725.00'	651.88'	349.70'	629.95'	N 89°51'09" W	51°30'00"
712-713	425.00'	370.88'	198.18'	359.23'	S 27°53'51" W	50°00'00"
714-715	375.00'	402.52'	223.10'	383.47'	S 33°38'51" W	61°30'00"
716-717	675.00'	608.72'	325.58'	586.50'	N 89°51'09" W	51°30'00"

ADELAIDE C. RIGGS
 161/350
 230/581
 ZONE R



ADELAIDE C. ROOS
161300
201304
201305

TEMP. TURN AROUND
PER F-90-67
WILL BE REMOVED WHEN
HUNT VALLEY DRIVE
IS EXTENDED BY OTHERS

copy of approved
SP-96-03

LIMIT OF SUBMISSION

LOT 74
59,784 S.F.
OR 1.372 AC.

LOT 73
59,877 S.F.
OR 1.375 AC.

LOT 75
58,582 S.F.
OR 1.345 AC.

LOT 76
63,086 S.F.
OR 1.448 AC.

LOT 77
59,596 S.F.
OR 1.368 AC.

LOT 78
59,618 S.F.
OR 1.369 AC.

PRESERVATION
(SINGLE FA
ENVIRONMENTAL

PRESERVATION PARCEL "E"
FOR THE PURPOSE OF SWM

15,157 S.F.
OR 0.348 AC.

SWM
FACILITY
PER
F-90-67

SWM
FACILITY
PER
F-90-67

20' DRAINAGE
& UTILITY ESM.T.
PER #10520
(TO BE ABANDONED)

20' DRAINAGE
& UTILITY ESM.T.
PER #10519

10' DRAINAGE
& UTILITY ESM.T.
PER #10519

FOREST CONSERVATION EASEMENT

SWMF ACCESS, DRAINAGE,
& UTILITY ESM.T. PER
#10519 (TO BE ABANDONED)

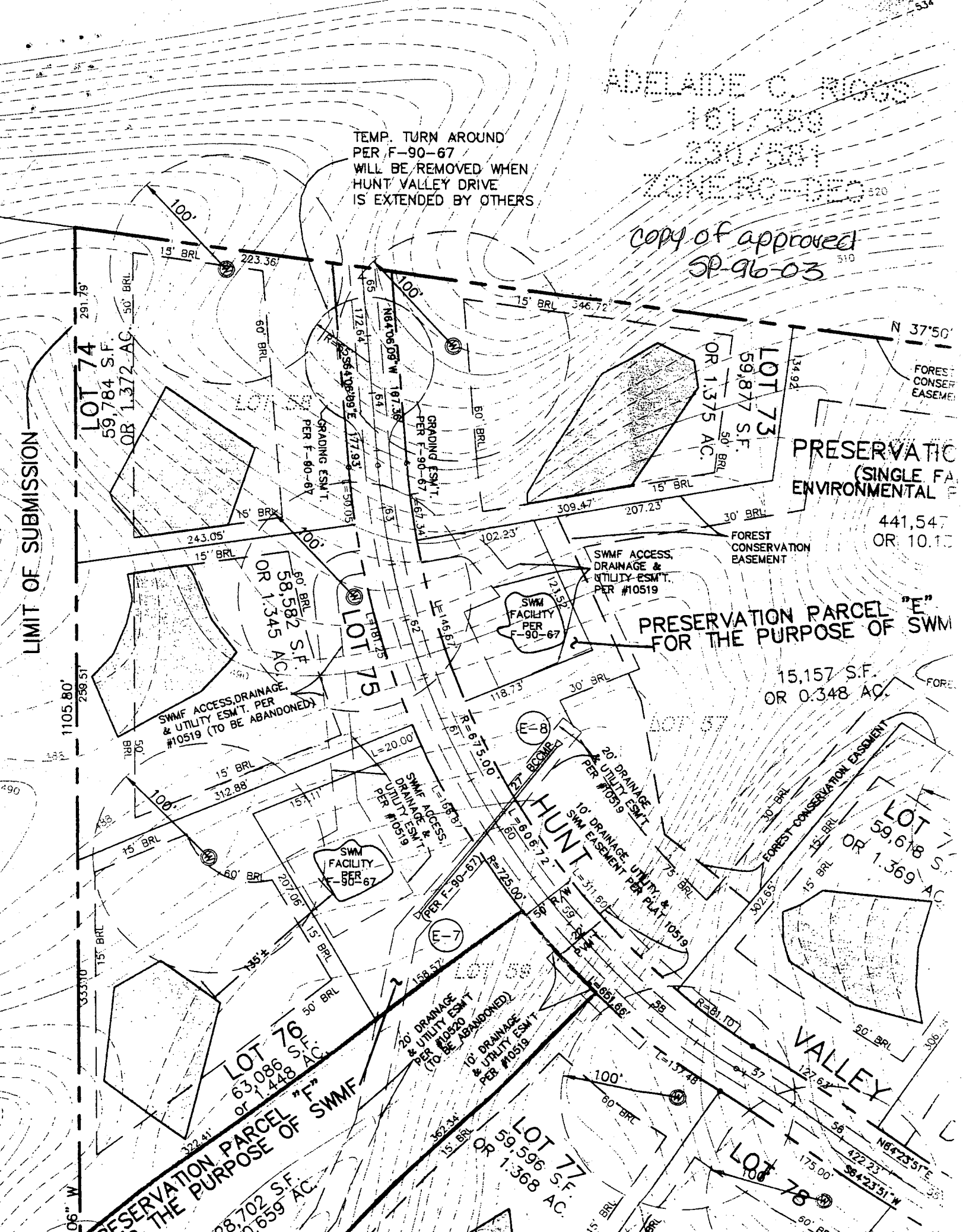
SWMF ACCESS,
DRAINAGE &
UTILITY ESM.T.
PER #10519

FOREST
CONSERVATION
EASEMENT

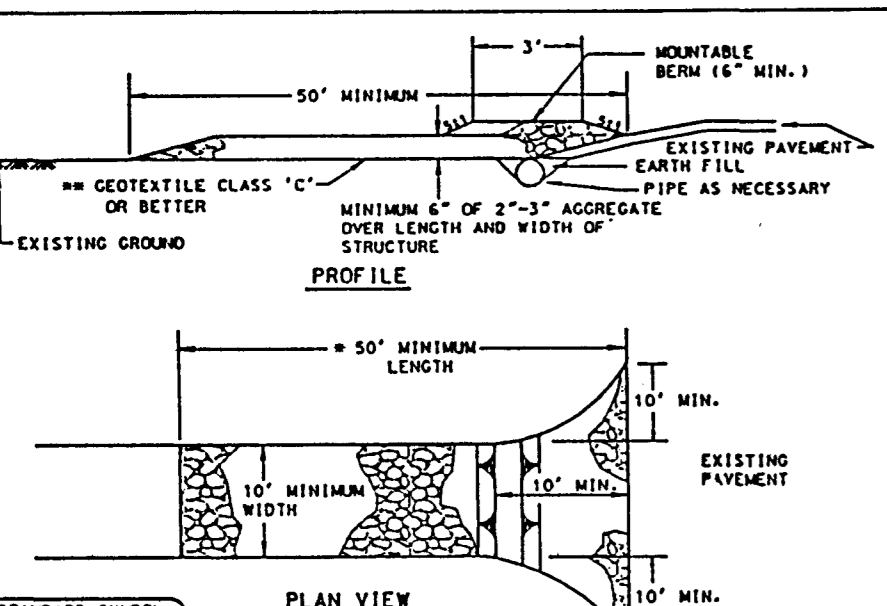
FOREST
CONSERVATION
EASEMENT

N 37°50'

441,547
OR 10.17



DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



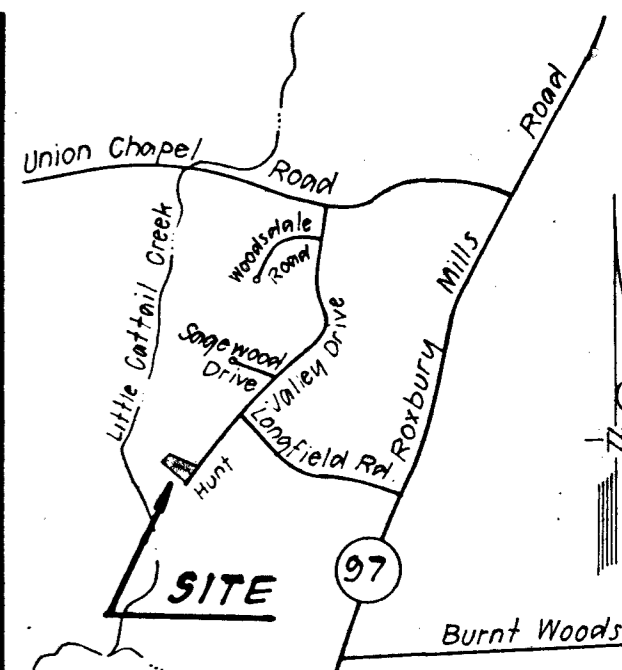
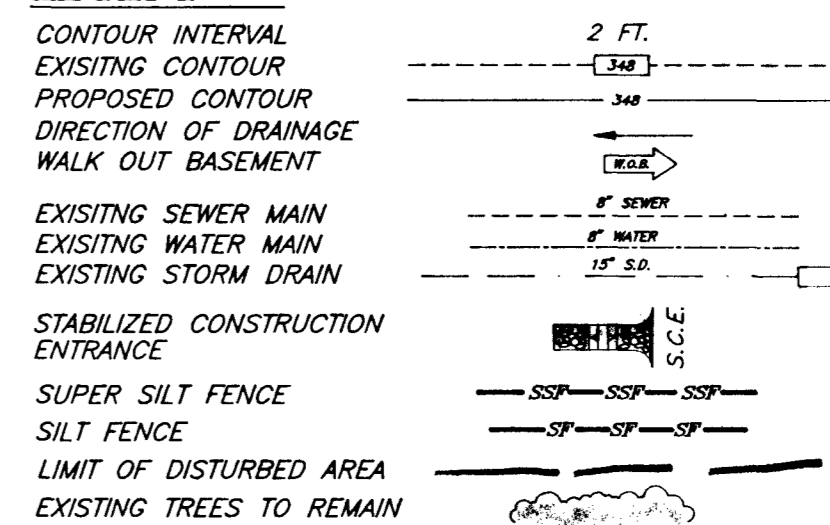
Construction Specification
1. Length - minimum of 50' (30' for single residence lot).
2. Width - 10' minimum, should be flared at the existing road to provide a turning radius.
3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. The stone approval authority may not require single family residences to use geotextile.
4. Stone - crushed aggregate (2" to 3") or recycled or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
5. Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a masonry beam with 5/16" slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of rainfall to be conveyed. A 6" minimum will be required.
6. Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.
SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.
SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:
1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq.ft.) and 800 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs./1000 sq.ft.)
2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq.ft.) and apply 1000 lbs. per acre 10-10-10 fertilizer (23 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil.
SEEDING: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 80 lbs. per acre (1.4 lbs./1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (0.5 lbs./1000 sq.ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by Option (1) 2 tons per 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 per acre (70 to 90 lbs./1000 sq. ft.) of unrattled small grain 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 slopes 8 feet or higher, use 348 gallons per acre (9 gal/1000 sq.ft.) for anchoring.
REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.
MAINTENANCE: Inspect all seeded areas and make needed repairs, replacements and reseedings.

PERMANENT SEEDING NOTES

TEMPORARY SEEDING NOTES
SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.
SOIL AMENDMENTS: Apply 800 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.)
SEEDING: For periods March 1 thru April 30 and August 1 thru October 15, seed with 80 lbs. per acre (1.4 lbs./1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (0.5 lbs./1000 sq.ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by Option (1) 2 tons per 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.
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MAINTENANCE: Inspect all seeded areas and make needed repairs, replacements and reseedings.

LEGEND



VICINITY MAP
SCALE: 1" = 200'

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:
a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
b. 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.
c. The original soil to be vegetated contains material toxic to plant growth.
d. The soil is so acidic that treatment with limestone is not feasible.
e. 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.
Construction and Material Specifications
I. Topsoil salvaged from the existing site may be used provided that 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.
II. Topsoil Specifications - Soil to be used as topsoil must meet the following:
1. Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, bony 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 substrils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 and 1/2" in diameter.
2. Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, Johnsongrass, nutsedge, poison ivy, thistle, or others as specified.
3. Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.
4. For sites having disturbed areas under 5 acres:
a. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.
b. Topsoil Application
i. When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slope Silt Fence and Sediment Traps and Basins.
ii. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4" - 8" higher in elevation.
iii. Topsoil shall be uniformly distributed in a 4" - 8" layer and lightly compacted to a minimum compactness of 4%. Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets.
iv. Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.

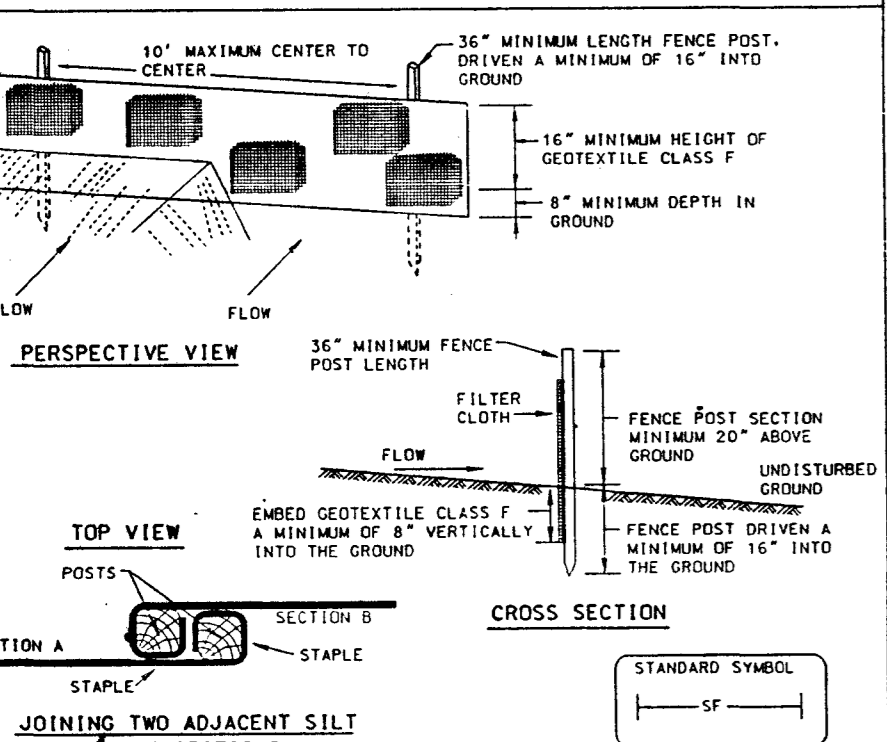
SEDIMENT AND EROSION CONTROL NOTES

- 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 (313-1855).
- All vegetative 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 redistribution, 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 perimeters in accordance with Vol. 1, Chapter 7, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above, in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings, sod, temporary seeding and mulching (Sec. 9).
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 permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- SITE ANALYSIS:**
Total Area of Site: 1.37 AC
Area Disturbed: 0.52 AC
Area to be reseeded or paved: 0.31 AC
Area to be vegetatively stabilized: 0.54 AC
Total Cut: 0.00 AC
Total Fill: 1.23 AC
Offsite Waste/Borrow Area Location:
8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
9. Additional sediment control must be provided, if deemed necessary by the Howard County DPW Sediment Control Inspector.
10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation 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.
11. 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.
12. The total amount of silt fence = 315 LF
13. The total amount of super silt fence = 180 LF
* It is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector of the site and its grading permit number at the time of construction.

CONSTRUCTION SEQUENCE

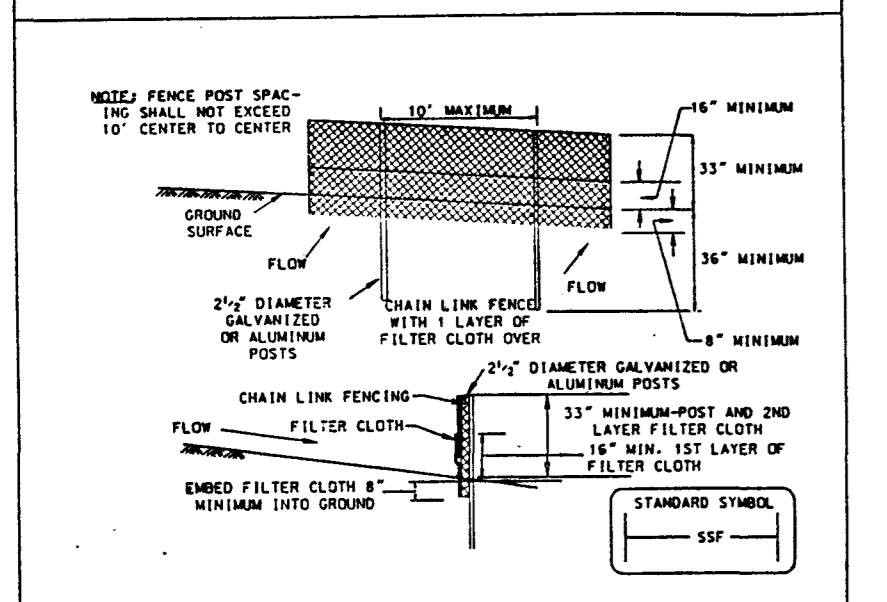
- Obtain grading permit. NO. OF DAYS: 14
- Install tree protection fence. 14
- Install sediment and erosion control devices and stabilize. 14
- Excavate for foundations, rough grade and temporarily stabilize. 30
- Construct structures, sidewalks and driveways. 60
- Final grade and stabilize in accordance with Specs. and Specs. 14
- Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize. 7

DETAIL 22 - SILT FENCE



Construction Specifications
1. Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Round posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 1/2" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 100 lbs. per linear foot.
2. Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:
Tensile Strength 50 lbs/in (min.) Test: MSMT 509
Tensile Modulus 20 lbs/in (min.) Test: MSMT 509
Flow Rate 0.3 gal/1" (min.) Test: MSMT 322
Filtering Efficiency 75% (min.) Test: MSMT 322
3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
4. Silt fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reaches 10% of the fabric height.
U.S. DEPARTMENT OF AGRICULTURE PAGE 8-18-2 MARYLAND DEPARTMENT OF ENVIRONMENTAL AND NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION

DETAIL 33 - SUPER SILT FENCE



Construction Specifications
Fencing shall be 42 inches in height and constructed in accordance with the latest Maryland State Highway details for Chain Link Fencing. The specification for a 4 foot fence shall be used, substituting 42 inch fabric and 6 foot length posts.
1. The posts do not need to set in concrete.
2. Chain link fence shall be fastened securely to the fence posts with wire ties or staples.
3. Filter cloth shall be fastened securely to the chain link fence with 1/8" spaced every 24" at the top and mid section.
4. Filter cloth shall be embedded a minimum of 4" into the ground.
5. Where two sections of filter cloth join each other, they shall be overlapped 4" and folded.
6. Maintenance shall be performed as needed and silt buildup removed when "bulges" develop in the silt fence.
U.S. DEPARTMENT OF AGRICULTURE PAGE 8-18-2 MARYLAND DEPARTMENT OF ENVIRONMENTAL AND NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION

Reviewed for HOWARD S.C.D. and meets Technical Requirements of Chesapeake Bay, 11/19/96
Signature: [Signature] Date: [Date]
U.S. Natural Resources Conservation Service

DEVELOPER'S/BUILDER'S CERTIFICATE

"I/We certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all 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 Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."
Name: [Signature] DATE: 10-31-96

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Sediment and Erosion 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.
Signature: [Signature] DATE: 10-31-96
G. NELSON CLARK



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CLARK • FINEPROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO • (301) 621-8100 - WASH.

DESIGNED	BL	SCALE	1" = 30'
DRAWN	PS	DRAWING	1 of 1
CHECKED	JK	JOB NO.	95-103
DATE	10/31/96	FILE NO.	95-103X

SEDIMENT AND EROSION CONTROL PLAN
LOT 73
WELLINGTON
SECTION 2, AREA 1
TAX MAP No.'s 14 & 21 PARCEL No.'s 239 & 73
FOURTH (4th) ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR: JAMES H. SELFRIDGE BUILDERS, INC.
14045 GARDEN DRIVE
GLENWOOD, MARYLAND 21738

