

LAYOUT 7/13/04 11am INSP 4 _____
 INSP 2 _____ INSP 5 _____
 INSP 3 _____ INSP 6 _____

ISSUE DATE: 6/28/2004 P 520443

APPROVAL DATE: 7/14/04 A 513618-S

PERMIT
INDEXED
 7/14/04 436311

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

Hatfields Equipment IS PERMITTED TO INSTALL ALTER

ADDRESS: 13785 Burntwoods Rd PHONE NUMBER: 410-531-6773

SUBDIVISION: Buckskin Ridge LOT NUMBER: 18

ADDRESS: 4289 Buckskin Wood Drive PROPERTY OWNER: Columbia Builders, Inc.

SEPTIC TANK CAPACITY (GALLONS): 1250 ^{OR 1500} OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 199 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 4.0 feet below original grade. 2.0 feet of stone below distribution pipe. Sidewall = 1' ^{top}
LOCATION:	Install one 65' trench at the top of the SDA and two 67' trenches, 12' center to center below the 65' trench on contour.
NOTES:	

PLANS APPROVED: Frank Alfonso Reviewed by: KAD DATE: 3/31/04

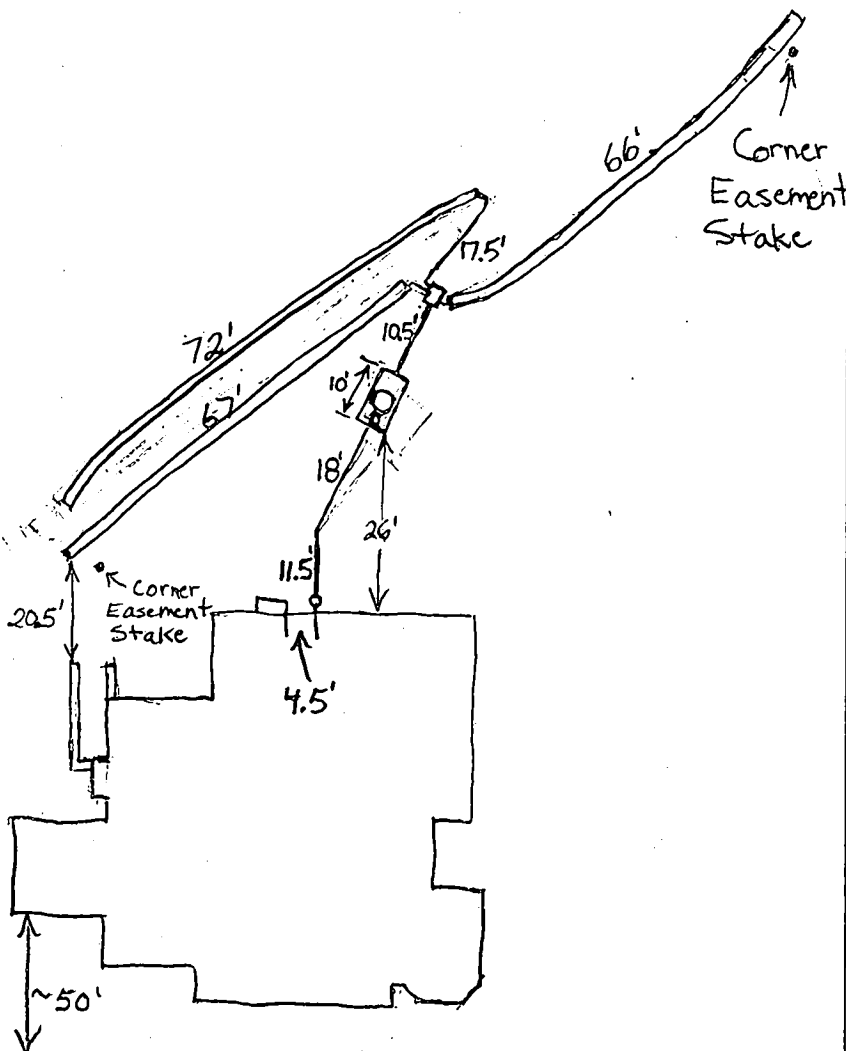
NOTES: PERMIT VOID AFTER 2 YEARS
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
 WATERTIGHT SEPTIC TANKS REQUIRED
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS 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
BUILDING PERMIT SIGNED AND RETURNED
ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

6-405 B00154718-DECK

513618-S

NOT TO SCALE



HO-94-3172

Buckskin Wood Drive

TRENCH/DRAINFIELD DATA		
WIDTH,	INLET	BOTTOM
3'	3'	5'
NUMBER OF TRENCHES _____		
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL <u>Yes</u>		
DISTRIBUTION BOX BAFFLE <u>Yes</u>		
DISTRIBUTION BOX PORT <u>No</u>		

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	<input checked="" type="checkbox"/>
CAPACITY	<u>1500</u> GAL
SEAM LOC	<u>Top</u>
TANK LID DEPTH	<u>18"</u>
BAFFLES	<u>Yes</u>
BAFFLE FILTER	_____
MANHOLE LOC	<u>Middle</u>
6" PORT LOC	<u>Front</u>
WATERTIGHT TEST	<u>No</u>
SEPTIC TANK 2 LEVEL	<u>N/A</u>
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____

PRE-CONSTRUCTION 7/13/04 To place distribution box in center of easement and run trenches in both directions. (BB)

INSTALLATION 7/13/04 Two trenches done. House connection made. (BB)

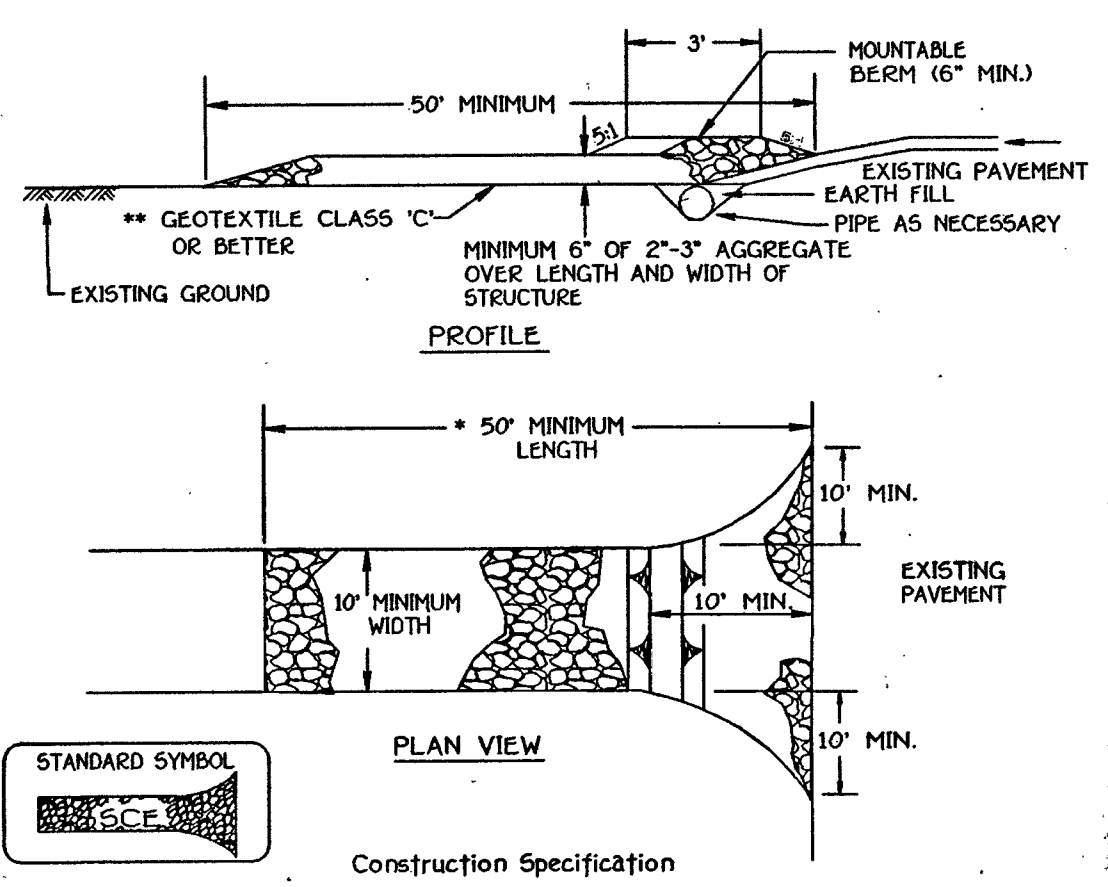
7/14/04 System finished. O.K. to cover everything. (BB)

REVISIONS
 DATE
 DESCRIPTION

FINAL INSPECTOR B. Baber DATE OF APPROVAL 7/14/04

SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSING AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION 033-8955.
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERE TO.
- FOLLOWING METAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 30 7 CALENDAR DAYS FOR ALL PERMITS. SEDIMENT CONTROL STRUCTURES, DICES, PERMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1 IN 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPPING DEVICES MUST BE FORCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 22, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. FOR PERMANENT SEEDING SEE 5.01 SOIL USE SEC. 5A, TEMPORARY SEEDING SEE 5.02 AND MULCHING SEE 5.03. 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 PERFECTION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:
 - 0.922 ACRES TOTAL DISTURBED
 - 0.412 ACRES AREA TO BE ROOFED OR PAVED
 - 0.336 ACRES AREA TO BE VEGETATIVELY STABILIZED
 - 0.278 ACRES TOTAL CUT
 - 443 CUBIC YDS. TOTAL FILL
 - 125 CUBIC YDS. OFFSITE WASTE/BORROW AREA LOCATION
- 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 INSPECTOR AGENT SHALL BE REQUIRED UPON COMPLETION OF INSTALLATION OF PERMETER 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 INSPECTOR AGENT 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.

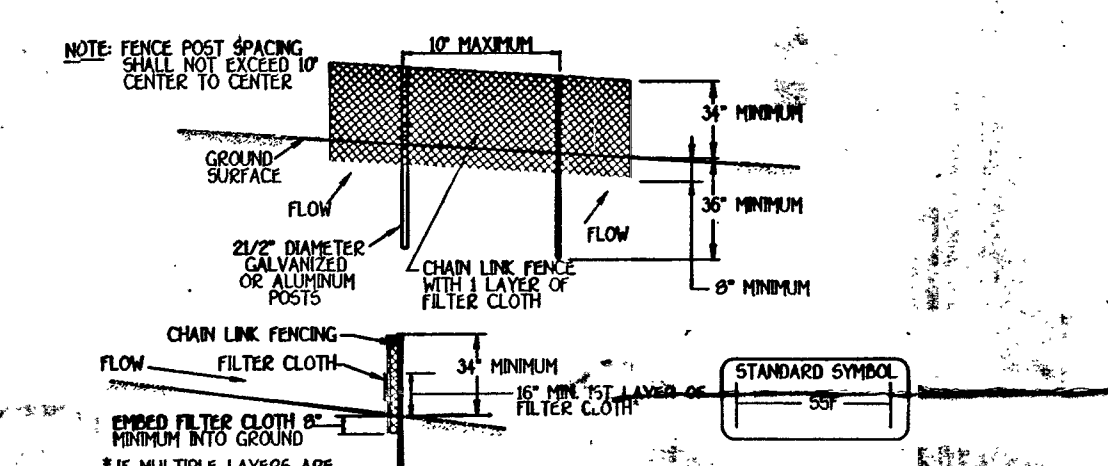


Construction Specification

- Length - minimum of 50' (+30' for single residence lot).
- Width - 10' minimum, should be fitted 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" to 3" or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
- 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 mountable berm with 5:1 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 runoff to be conveyed. A 6" minimum will be required.
- 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.

STABILIZED CONSTRUCTION ENTRANCE - 2

NOT TO SCALE



Construction Specifications

- Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6" fence shall be used, substituting 12" fabric and 6" length posts.
- Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss rods, drive anchors and post caps are not required except on the ends of the fence.
- Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
- Filter cloth shall be embedded a minimum of 8" into the ground.
- When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and fastened.
- Maintenance shall be performed as needed and silt bulks removed when "bulges" develop in the silt fence, or when silt reaches 50% of fence height.
- Filter cloth 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:

Design Criteria:			
Size:	Slope Steepness:	Slope Length (maximum):	Silt Fence Length (maximum):
0 - 10%	1:1 - 1:1	Unlimited	Unlimited
10 - 20%	1:1 - 1:1	100 feet	1000 feet
20 - 30%	1:1 - 1:1	100 feet	1000 feet
33 - 50%	1:1 - 1:1	100 feet	200 feet

SUPER SILT FENCE

NOT TO SCALE

TEMPORARY SEEDING NOTES

- APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE RESTORED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
- SEEDING PREPARATION:**
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS:**
APPLY 500 LBS. PER ACRE 10-10-10 FERTILIZER OR 1LBS./1000 SQ.FT.
- SEEDING:**
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ACRE OF ANNUAL RYE (32 LBS./ACRE) OF WEEDING LOVEGRASS (27 LBS./1000 SQ.FT.) FOR THE PERIOD NOVEMBER 15 THROUGH FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOU.

- MULCHING:**
APPLY 1 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNBOTTLED SMALL GRAM STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 8 FEET OR HIGHER, USE 300 GALLONS PER ACRE (30 GAL./1000 SQ.FT.) FOR ANCHORING.
- REFER TO THE 1988 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

PERMANENT SEEDING NOTES

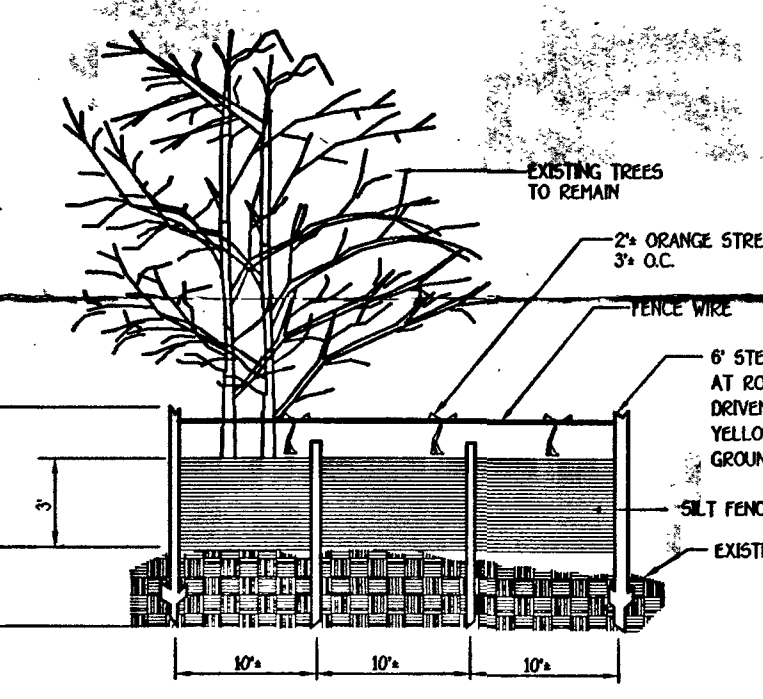
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- SEEDING PREPARATION:**
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
- SOIL AMENDMENTS:**
APPLY TWO TONS PER ACRE DOLOMITE LIMESTONE (92 LBS./1000 SQ.FT.) AND 400 LBS. PER ACRE 0-20-20 FERTILIZER (14 LBS./1000 SQ.FT.) BEFORE SEEDING. RAKE AND DISK AND 2 LBS. PER ACRE (20 LBS./1000 SQ.FT.) OF WEEDING LOVEGRASS DURING THE PERIOD OF OCTOBER THROUGH FEBRUARY 28, PROTECT SITE BY OPTION (I) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OPTION (II) - USE 500 OPTION (I) SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.
- SEEDING:**
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (12.3 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (4.8 LBS./1000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (20 LBS./1000 SQ.FT.) OF WEEDING LOVEGRASS. DURING THE PERIOD OF OCTOBER THROUGH FEBRUARY 28, PROTECT SITE BY OPTION (I) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OPTION (II) - USE 500 OPTION (I) SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.

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MANTENANCE:

- RESPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
- FOR PUBLIC POND SUBSTITUTED CHEMICAL CROWMETCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 10 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTION SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.



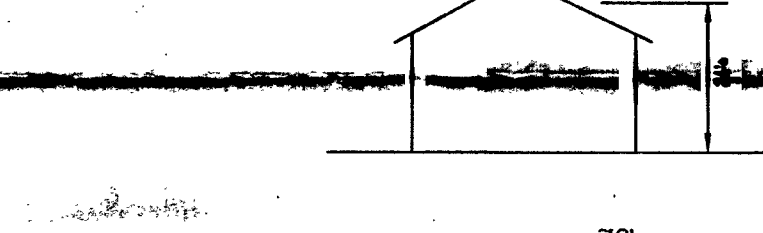
SILT FENCE & TREE PROTECTION

- Silt fence to be heeled into the soil.
- Wire, snow fence, etc. for tree protection only.
- Boundaries of Retention Area will be established as part of the forest conservation plan review process.
- Boundaries of Retention Area should be staked and flagged prior to installing device.
- Avoid root damage when placing anchor posts.
- Device should be properly maintained throughout construction.
- Protection signs are also required, see Figure C-4.
- Locate fence outside the Critical Root Zone.

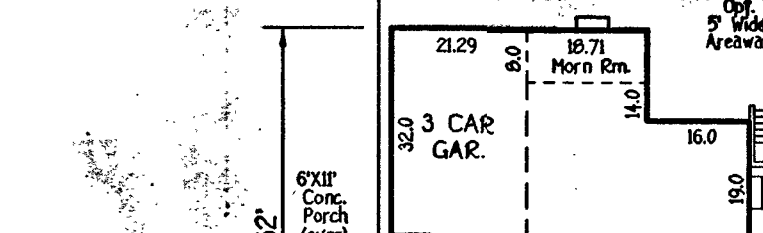
SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT. 1 DAY
- INSTALL SEDIMENT AND EROSION CONTROL DEVICES AS SHOWN ON PLAN. 1 DAY
- CLEAR AND GRUB TO LIMITS OF DISTURBANCE AND MASS GRADE TO SUB-BASE. 1 DAY
- INSTALL TEMPORARY SEEDING. 1 DAY
- CONSTRUCT BUILDINGS. 2 MONTHS
- FINI GRADE SITE AND INSTALL PERMANENT SEEDING AND LANDSCAPE. 1 DAY
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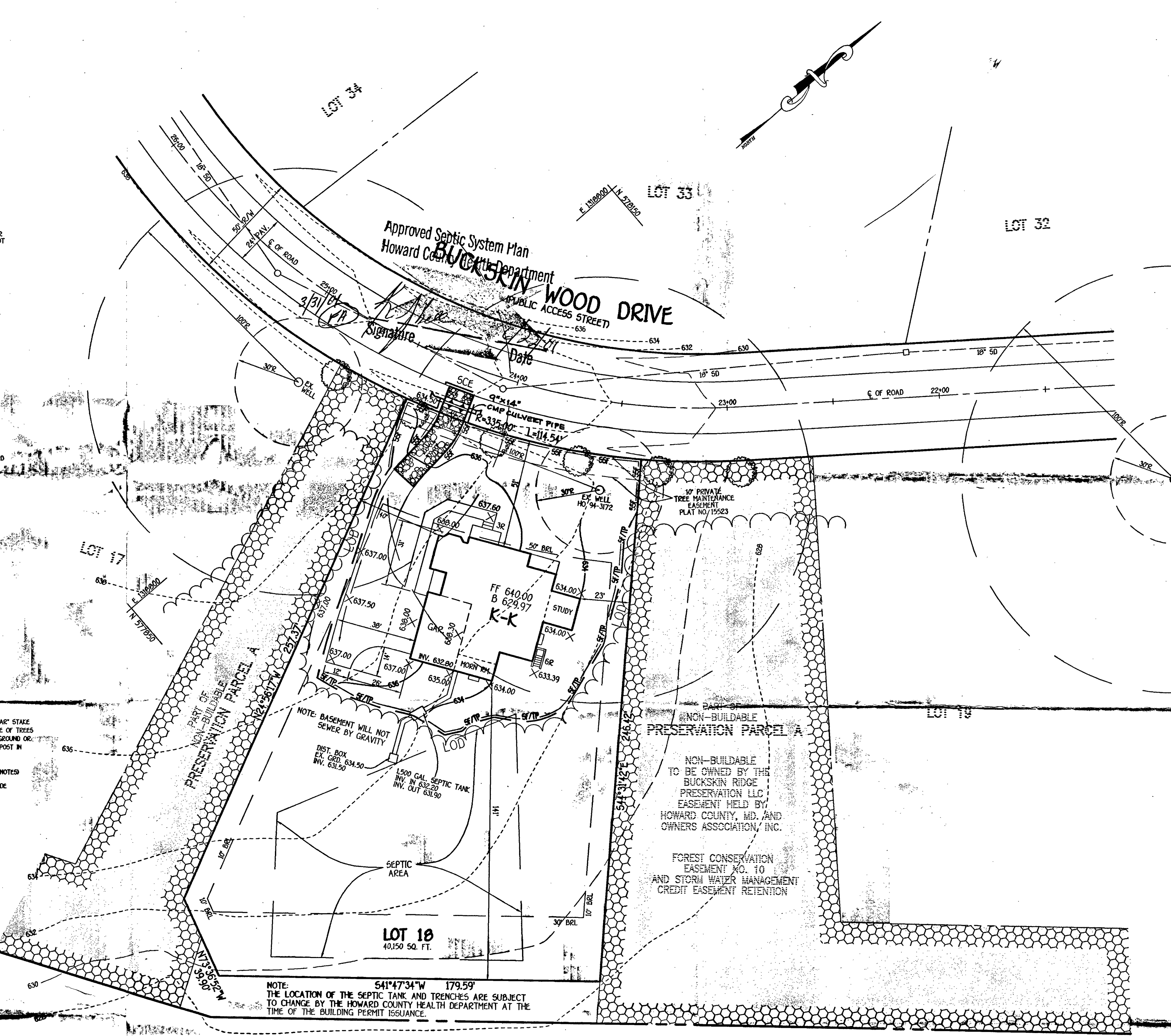
NOTE: THE EXISTING WELL SHOWN ON THIS PLAN, TAG NO. HO 94-3172 HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC., PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.



K-K SCALE: 1" = 30'



K-K SCALE: 1" = 30'



LEGEND

SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
362.5	SPOT ELEVATION
SETP-SETP	SILT FENCE & TREE PROTECTION
SSP-SSP	SUPER SILT FENCE
DOCK	PROPOSED WALKOUT
LOO	LIMITS OF DISTURBANCE
○	EXISTING STREET TREES FROM F-01-191

GENERAL NOTES

- SUBJECT PROPERTY ZONED RC-DEO
- TOTAL AREA OF PROPERTY: 4.0150 SQ.FT.
- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT REVIEW.
- LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR/BUILDER TO VERIFY ELEVATION IN THE FIELD BEFORE BEGINNING ANY CONSTRUCTION.
- FIELD RUN TOPOGRAPHIC SURVEY DONE BY CLARK, FINEROCK & SACKETT, INC.
- NO WETLANDS CURRENTLY EXIST ON THE PROPERTY.
- DRIVEWAY CULVERTS SHALL BE CONSTRUCTED AT SITE DEVELOPMENT PLAN STAGE IN ACCORDANCE WITH APPROVED CULVERT SIZE SHOWN ON F-01-191.
- STORMWATER MANAGEMENT IS PROVIDED UNDER F-01-191.

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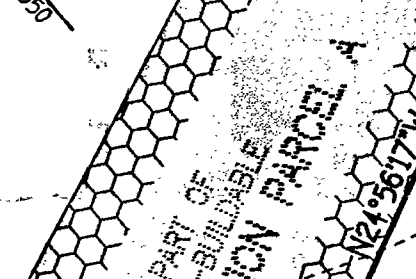
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STABILIZED CONSTRUCTION ENTRANCE - 2

NOT TO SCALE

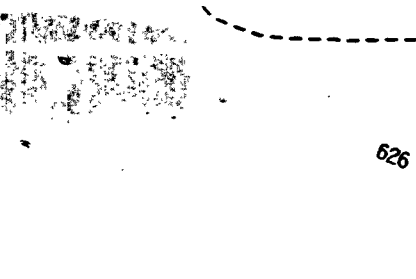


Construction Specifications

- Length - minimum of 50' (+30' for single residence lot).
- Width - 10' minimum, should be fitted 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.
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- 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.

SUPER SILT FENCE

NOT TO SCALE



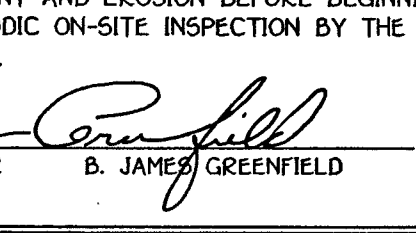
SILT FENCE & TREE PROTECTION

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- Boundaries of Retention Area should be staked and flagged prior to installing device.
- Avoid root damage when placing anchor posts.
- Device should be properly maintained throughout construction.
- Protection signs are also required, see Figure C-4.
- Locate fence outside the Critical Root Zone.

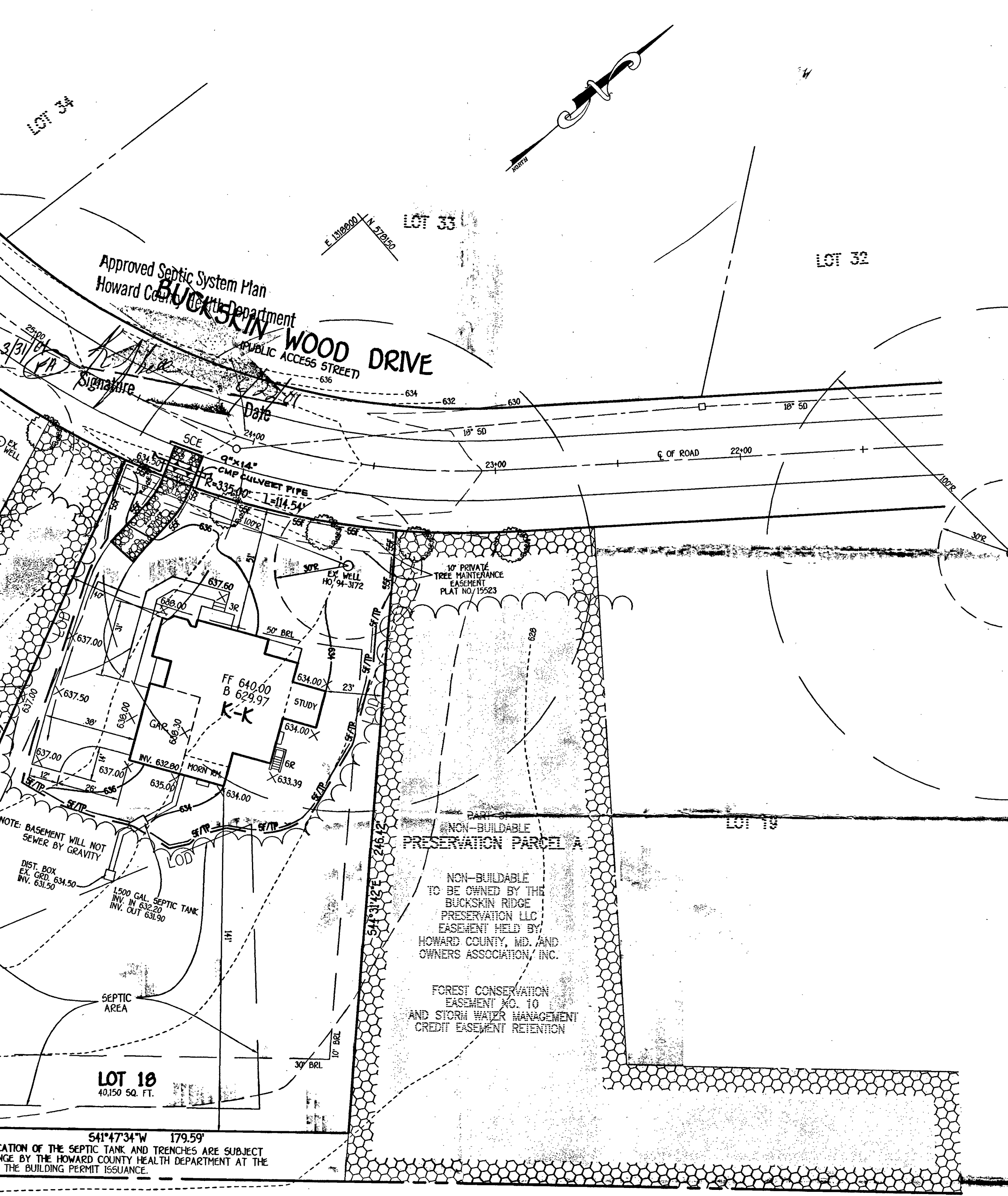
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K-K SCALE: 1" = 30'



LEGEND

SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
362.5	SPOT ELEVATION
SETP-SETP	SILT FENCE & TREE PROTECTION
SSP-SSP	SUPER SILT FENCE
DOCK	PROPOSED WALKOUT
LOO	LIMITS OF DISTURBANCE
○	EXISTING STREET TREES FROM F-01-191

GENERAL NOTES

- SUBJECT PROPERTY ZONED RC-DEO
- TOTAL AREA OF PROPERTY: 4.0150 SQ.FT.
- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT REVIEW.
- LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR/BUILDER TO VERIFY ELEVATION IN THE FIELD BEFORE BEGINNING ANY CONSTRUCTION.
- FIELD RUN TOPOGRAPHIC SURVEY DONE BY CLARK, FINEROCK & SACKETT, INC.
- NO WETLANDS CURRENTLY EXIST ON THE PROPERTY.
- DRIVEWAY CULVERTS SHALL BE CONSTRUCTED AT SITE DEVELOPMENT PLAN STAGE IN ACCORDANCE WITH APPROVED CULVERT SIZE SHOWN ON F-01-191.
- STORMWATER MANAGEMENT IS PROVIDED UNDER F-01-191.

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT. 1 DAY
- INSTALL SEDIMENT AND EROSION CONTROL DEVICES AS SHOWN ON PLAN. 1 DAY
- CLEAR AND GRUB TO LIMITS OF DISTURBANCE AND MASS GRADE TO SUB-BASE. 1 DAY
- INSTALL TEMPORARY SEEDING. 1 DAY
- CONSTRUCT BUILDINGS. 2 MONTHS
- FINI GRADE SITE AND INSTALL PERMANENT SEEDING AND LANDSCAPE. 1 DAY
- REMOVE SEDIMENT CONTROL DEVICES AND ISLAND AREAS ARE STABILIZED AND PERFECTION IS GRANTED BY LEVY COUNTY INSPECTOR. 2 DAYS

TEMPORARY SEEDING NOTES

- APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE RESTORED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
- SEEDING PREPARATION:**
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS:**
APPLY 500 LBS. PER ACRE 10-10-10 FERTILIZER OR 1LBS./1000 SQ.FT.
- SEEDING:**
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ACRE OF ANNUAL RYE (32 LBS./ACRE) OF WEEDING LOVEGRASS (27 LBS./1000 SQ.FT.) FOR THE PERIOD NOVEMBER 15 THROUGH FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOU.

- MULCHING:**
APPLY 1 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNBOTTLED SMALL GRAM STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 8 FEET OR HIGHER, USE 300 GALLONS PER ACRE (30 GAL./1000 SQ.FT.) FOR ANCHORING.
- REFER TO THE 1988 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

PERMANENT SEEDING NOTES

- ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:
- SEEDING PREPARATION:**
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
- SOIL AMENDMENTS:**
APPLY TWO TONS PER ACRE DOLOMITE LIMESTONE (92 LBS./1000 SQ.FT.) AND 400 LBS. PER ACRE 0-20-20 FERTILIZER (14 LBS./1000 SQ.FT.) BEFORE SEEDING. RAKE AND DISK AND 2 LBS. PER ACRE (20 LBS./1000 SQ.FT.) OF WEEDING LOVEGRASS DURING THE PERIOD OF OCTOBER THROUGH FEBRUARY 28, PROTECT SITE BY OPTION (I) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OPTION (II) - USE 500 OPTION (I) SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.
- SEEDING:**
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (12.3 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (4.8 LBS./1000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (20 LBS./1000 SQ.FT.) OF WEEDING LOVEGRASS. DURING THE PERIOD OF OCTOBER THROUGH FEBRUARY 28, PROTECT SITE BY OPTION (I) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OPTION (II) - USE 500 OPTION (I) SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.

MANTENANCE:

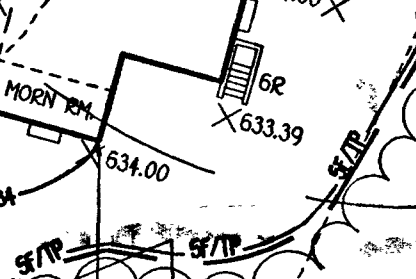
- APPLY 1 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNBOTTLED SMALL GRAM STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 8 FEET OR HIGHER USE 300 GALLONS PER ACRE (30 GAL./1000 SQ.FT.) FOR ANCHORING.

MANTENANCE:

- RESPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
- FOR PUBLIC POND SUBSTITUTED CHEMICAL CROWMETCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 10 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTION SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.

STABILIZED CONSTRUCTION ENTRANCE - 2

NOT TO SCALE



Construction Specifications

- Length - minimum of 50' (+30' for single residence lot).
- Width - 10' minimum, should be fitted 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" to 3" or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
- 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 mountable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the

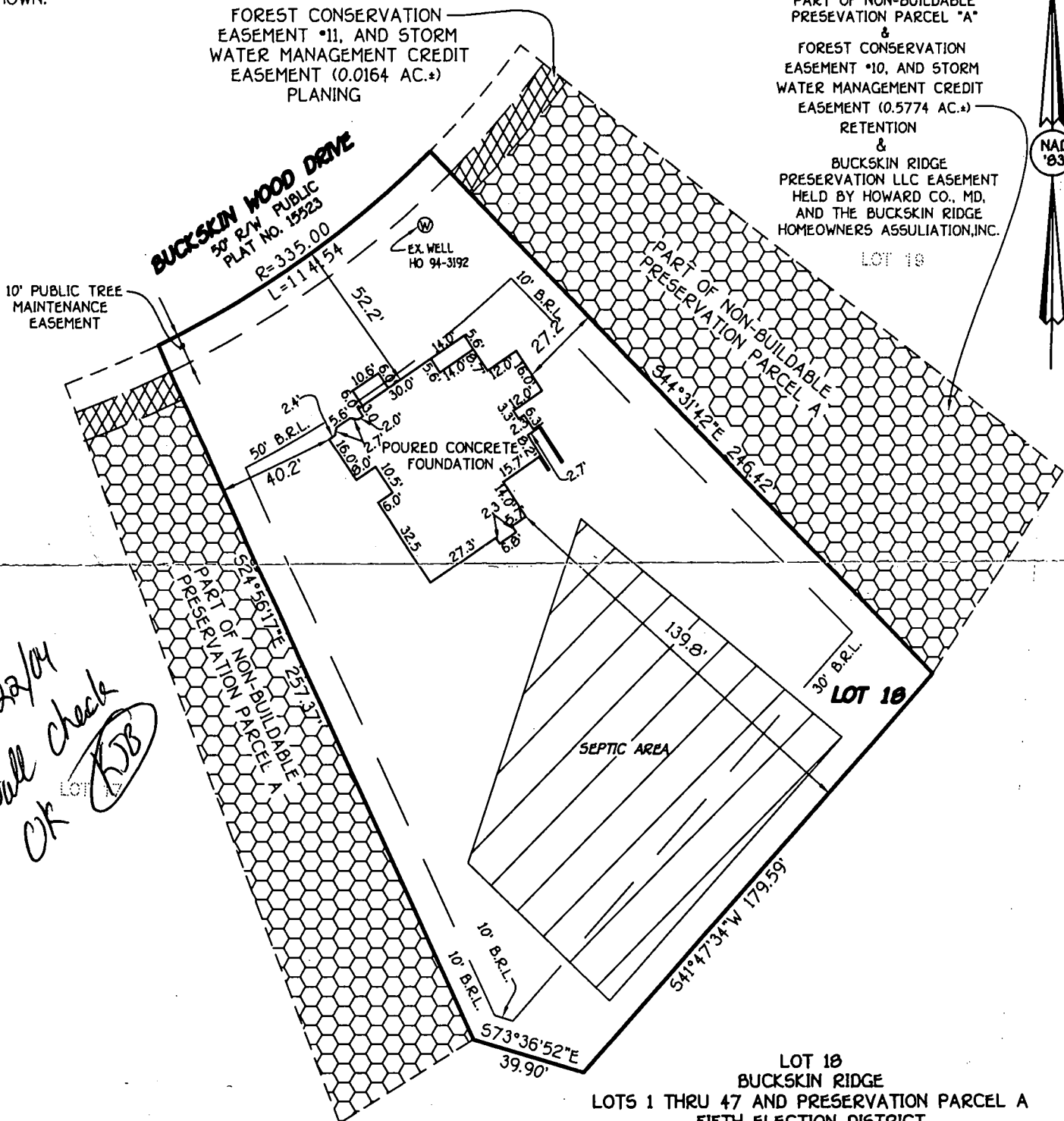
GENERAL NOTES:

- 1) THIS LOCATION DRAWING IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INSOFAR AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE COMTEMPLATED TRANSFER, FINANCING OR REFINANCING OF THE PROPERTY SHOWN HEREON. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS LOCATION DRAWING IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS LOCATION DRAWING DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING FOR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 2400440021 B EFFECTIVE DEC. 4, 1986.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF PLUS OR MINUS 0.4' (±)
- 4) NO TITLE REPORT FURNISHED. SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.
- 5) THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-94-3192 HAS BEEN FIELD LOCATED BY FISHER, COLLINS AND CARTER, INC. PROFESSIONAL LAND SURVEYOR(S) AND IS ACCURATELY SHOWN.

FOREST CONSERVATION EASEMENT *11, AND STORM WATER MANAGEMENT CREDIT EASEMENT (0.0164 AC.±) PLANING

PART OF NON-BUILDABLE PRESERVATION PARCEL "A" & FOREST CONSERVATION EASEMENT *10, AND STORM WATER MANAGEMENT CREDIT EASEMENT (0.5774 AC.±) RETENTION & BUCKSKIN RIDGE PRESERVATION LLC EASEMENT HELD BY HOWARD CO., MD, AND THE BUCKSKIN RIDGE HOMEOWNERS ASSUATIATION, INC.

NAD '83



*6/22/04
Well check
OK*

*4209 BUCKSKIN WOOD DRIVE
B.R.L. = BUILDING RESTRICTION LINE
TOP OF FOUNDATION ELEV. 638.8'

LOT 18
BUCKSKIN RIDGE
LOTS 1 THRU 47 AND PRESERVATION PARCEL A
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
PLAT NO. 15523

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2855



Mark L. Robel 6/07/04
PROFESSIONAL LAND SURVEYOR DATE
REG. • 339

HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 6/02/04
FINAL LOCATION: _____
BOUNDARY SURVEY: _____

SCALE: 1"=50'
DATE: 6/07/04 REV: 6/23/04
DRAWN BY: D.T.
CHECKED BY: T.A.E.
PROJECT No.: 61700

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: ROBERT L FEEZER CO INC Telephone #: 410-781-4655
Address: 6321 BARNETT AVE
SUDBURY, MD 21784

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): ROBERT L FEEZER CO INC License # 2122

*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: JOEL SAAGS DUB Telephone #: 410-492-5780
Subdivision: _____ Lot #: 18 Well Tag #: HO 94-3172
Site Address: 18 BUGYERIN RIDGE
ELLICOTT CITY, MD 21042

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: STAITE Make: CAMPBELL Two piece watertight cap:
Model #: SQUEEZALL Model #: BA600 Screened, vented well cap:
Pump Capacity 5 GPM Depth: 42 (36" min) Cap secured to casing:
Well Yield: _____ GPM NSF approved: Conduit min 18" B.G.:
Depth of well encountered at time of pump installation: 500 (feet) Conduit secured to well cap:

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Torque arrestor or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt

Piping to house House Connection
Type: POLY PVC sleeved to undisturbed soil at wall penetration:
PSI: 200 (160 psi min) Approximate length of sleeve: 6
Depth of supply line: 42 (36" min) Sleeve caulked and sealed properly:

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: Robert L. Feezer date: 7/14/04

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: _____ Date Insp. Approved: 7/13/04 BB
Inspection Data: Pitless adapter and water supply line at least 36" below grade
Two piece cap installed and attached to casing securely
Elec. conduit extends at least 18" below grade/attached to cap properly
Safety rope installed inside of well casing
Correct well tag attached properly and casing 8" above finished grade
Water supply line sleeved adequately at house connection
Adequate grubt observed below pitless adapter

SEQUENCE NO. (MDE 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 COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER 43

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 10/1/01

DEPTH OF WELL 500 (TO NEAREST FOOT)

PERMIT NO. FROM 'PERMIT TO DRILL WELL'

OWNER Floyd Lane LLC STREET OR RFD Buckskin Hedge Drive TOWN Ellicott City SUBDIVISION Buckskin Ridge SECTION LOT 18

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Top Soil, Brown Shale, Brown Mica, Gray Mica, Fractured Mica, and Gray Mica.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM), NO. OF BAGS 24, NO. OF POUNDS 144, DEPTH OF GROUT SEAL 57 ft.

CASING RECORD: MAIN CASING TYPE ST, Nominal diameter 6 inch, Total depth of main casing 60 feet.

OTHER CASING (if used) section with diameter and depth fields.

SCREEN RECORD: SCREEN TYPE HO, DEPTH 58, SLOT SIZE 1, DIAMETER OF SCREEN 56-60 inch.

NUMBER OF UNSUCCESSFUL WELLS: 0, WELL HYDROFRACTURED: YES (Y)

CIRCLE APPROPRIATE LETTER: A (Abandoned), E (Electric Log), P (Test Well)

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 'WELL CONSTRUCTION'...

DRILLERS LIC. NO. 1 MWD 040, DRILLERS SIGNATURE, LIC. NO. 1 MSD 038

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

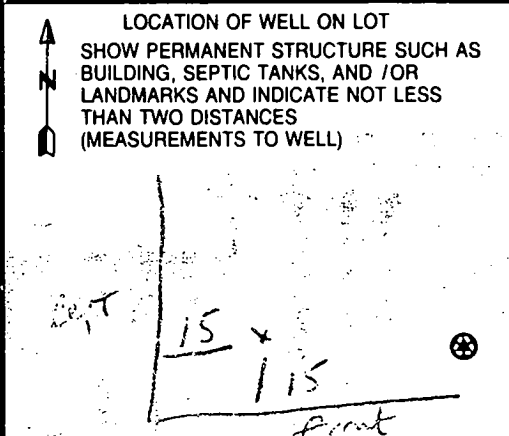
DEPTH (nearest ft.) table with columns for casing sections 1-3 and slot size.

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.O., TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST: C 3, HOURS PUMPED 3, PUMPING RATE 10 gal. per min., METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL BEFORE PUMPING 79 ft., WHEN PUMPING 161 ft., TYPE OF PUMP USED S (submersible)

PUMP INSTALLED: DRILLER INSTALLED PUMP YES (NO), TYPE OF PUMP INSTALLED C (centrifugal), CAPACITY: GALLONS PER MINUTE 31-35, PUMP HORSE POWER 37-41, PUMP COLUMN LENGTH (nearest ft.) 43-47, CASING HEIGHT (circle appropriate box and enter casing height) (+) above, LAND SURFACE below 2 (nearest foot)



B 1 9243

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

10-94-3172 fill in this form completely

W515311 please print or type

Date Received (APA)

06-28-01

OWNER INFORMATION

8635

Floyd Lane L L C P. O. Box 999 Columbia, Md 21044

LOCATION OF WELL

Howard

CC#

Bucks skin Ridge Glenelg

MILES FROM TOWN (enter 0 if in town)

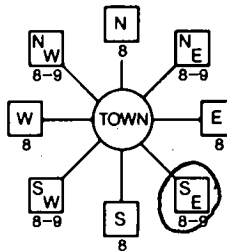
DRILLER INFORMATION

George F. Easterday

MW D 040

L. Franklin Easterday, Inc. 9265 Brown Church Rd., MT. Airy, Md. 21771

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Buckskin Wood Drive

NEAR WHAT ROAD ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) DISTANCE FROM ROAD Ft. 20

WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) INDUSTRIAL, COMMERCIAL, DEWATERING PUBLIC WATER SUPPLY WELL TEST, OBSERVATION, MONITORING GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard 13 COUNTY NAME COUNTY NO STATE SIGNATURE DATE ISSUED CO SIGNATURE EXP. DATE NORTH GRID 519 000 EAST GRID 0806 000

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) AIR-ROTary JETTED AIR-PERcussion ROTARY (Hydraulic Rotary) CABLE REVERSE-ROTary DRIVE-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS THIS WELL WILL DEEPEM AN EXISTING WELL

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

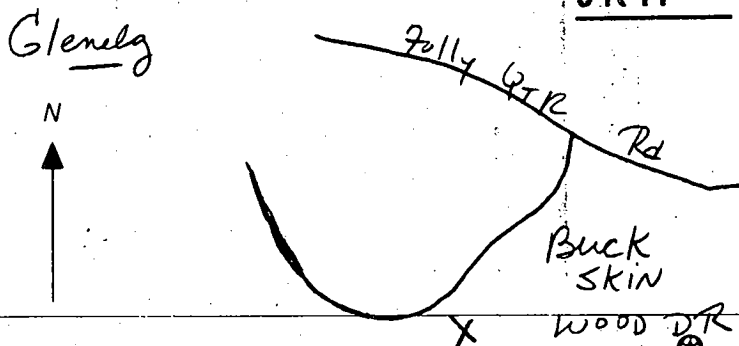
APPROP. PERMIT NUMBER H02000001 (A) PERMIT No. 10-94-3172

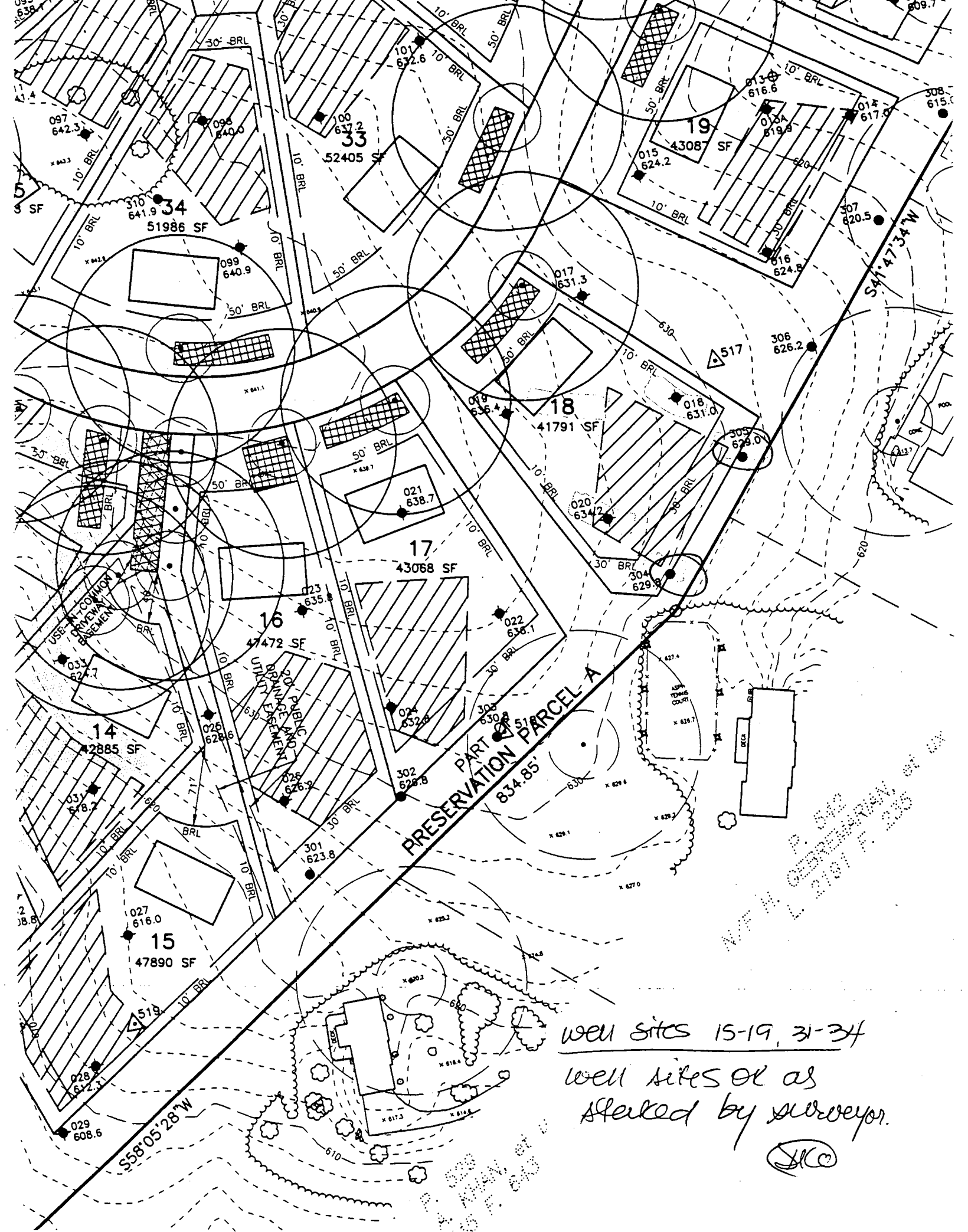
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER wells

10/1/01 9:00 OBSERVED AT 12:25 # of bags: 22

WRITE THE BOX NUMBER FROM THE MAP HERE 800 510

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION





well sites 15-19, 31-34
 well sites et al
 staked by surveyor.

(Signature)

APPLICATION

PERCOLATION TESTING

A 513618-5

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Jared T. Healy, Trustee and M. Charlotte Powel, Trustee

ADDRESS 10715 Charter Dr., Columbia, MD 21044 PHONE 410-730-4545

AGENT OR PROSPECTIVE BUYER Floyd Lane, L.L.C. CONTACT: Tim Feaga, Heritage Land Develop

ADDRESS P.O. Box 999, Columbia, MD 21044 PHONE 410-489-7900, ext. 11

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 18

ROAD AND DESCRIPTION Buckskin Woods Drive, Ellicott City, MD 21042

TAX MAP 22 PARCEL # 77, 283 and 74

SIZE OF LOT 1 acre TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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 M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

B. Jane Greenfield
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

(20)

topsoil

br
org brn
cl lm

med
pk brn
sa mica
lm

20%+
sapr
sh

(19)

topsoil

org brn
sa cl lm
w/sh frag

dk to
med
pk brn
sa mica
lm

20%+
sapr
sh

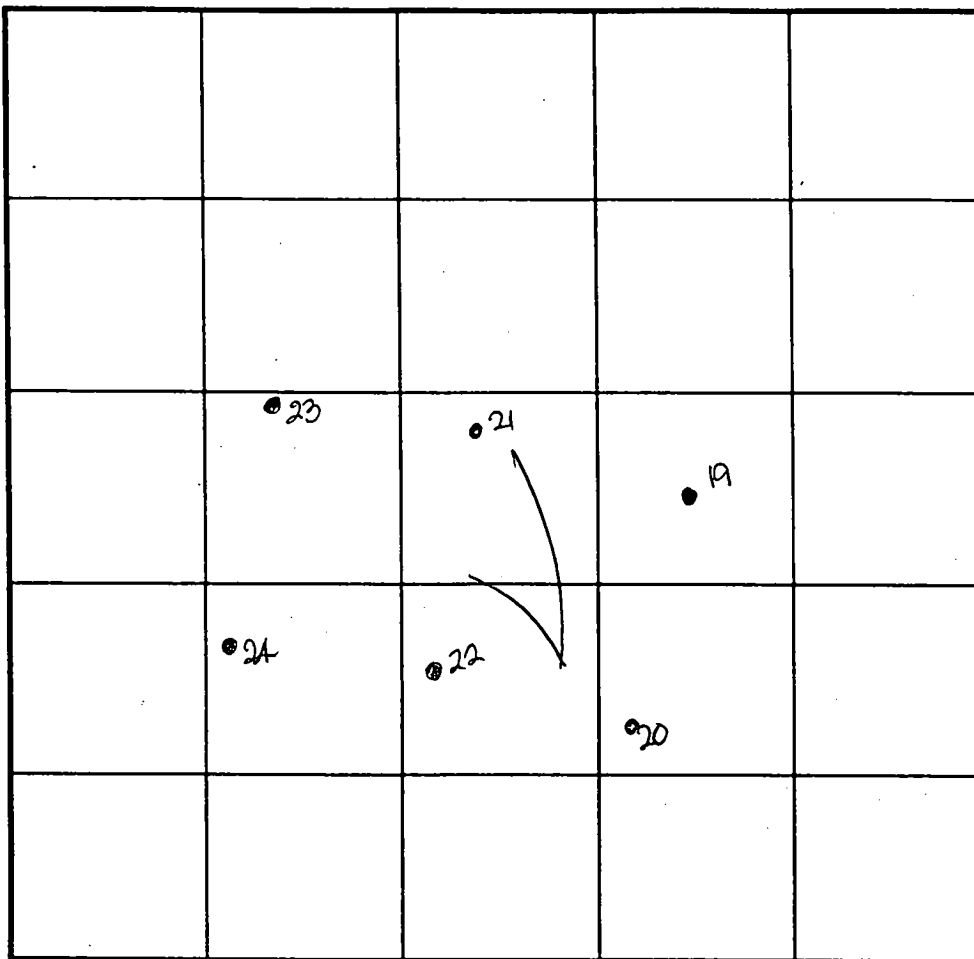
(2)

topsoil

br
org brn
sa cl lm

med
red brn
sa mica
lm

10%
sapr
sh



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

23/22

topsoil

br
org brn
sa cl
lm

pale
org beige
to
pk
brn
sa mica
lm

20%+
sapr
sh

24

topsoil

org brn
sa cl lm

med red
to
org brn
sa mica
lm

10%
sapr
sh

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-25-00	20	4.0' S	12:43	12:45	12:45	12:48	3
		13.9' D	Visual	- see	profile		OK
	19	12.0' D	Visual	- see	profile		OK
	21	3.0' S	12:55 ₂	1:00 ₃	1:00 ₃	1:06 ₃	6
		12.5' D	Visual	- see	profile		OK
	23	4.0' S	2:55 ₂	2:59 ₂	2:59 ₃	3:04 ₃	5
		12.5' D	Visual	- see	profile		OK
	24	12.5' D	Visual	- see	profile		OK
	22	12.5' D	Visual	- see	profile		OK

REMARKS holes tested as staked

TYPE OF SOIL _____

TESTED BY DKS ALSO PRESENT C. Zepp, T. Feaga

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

COUNTY.#

SOIL PROFILE (13) / (17)

topsoil
 org brn
 cl Lm

med
 pk brn
 sa mica
 Lm

19%+
 sapr
 sh

(14) / (16)

topsoil
 br
 red brn
 sa cl Lm

pale
 org pk
 sa mica
 Lm

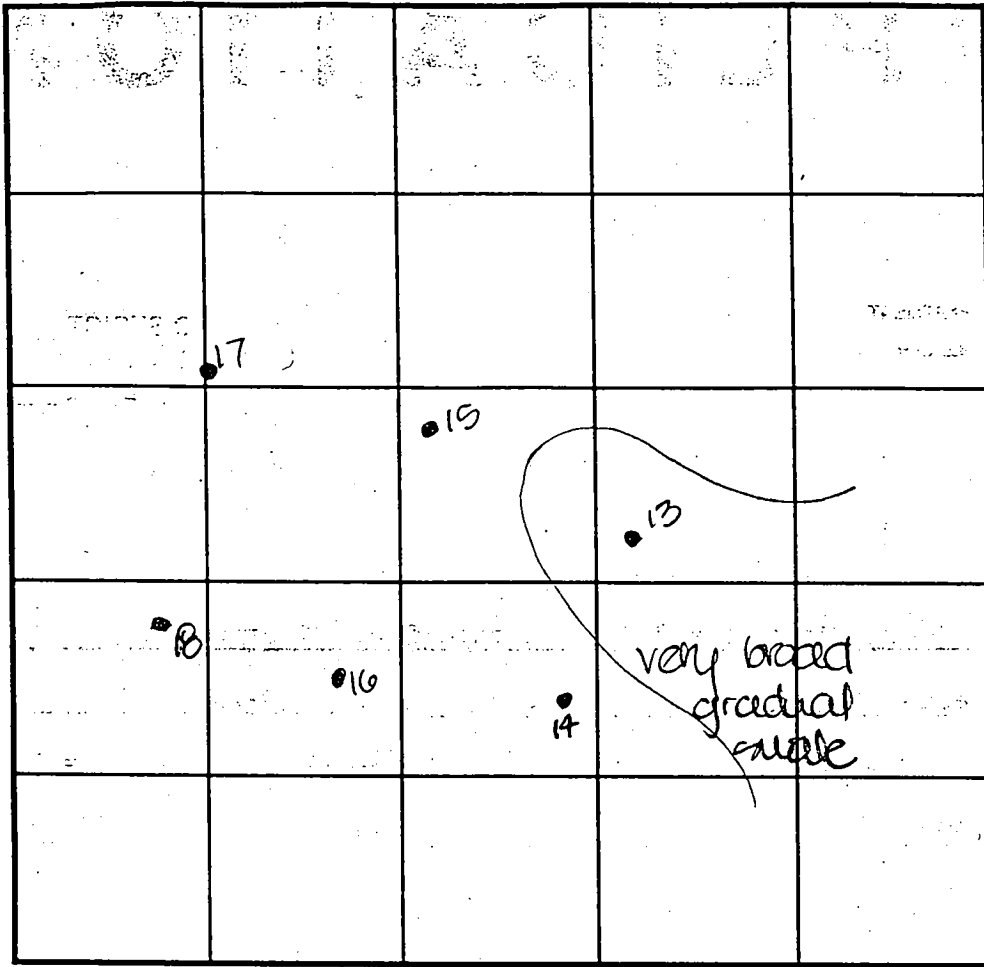
15-20%
 sapr
 sh

(15)

topsoil
 dul
 org brn
 cl Lm

br
 red org
 brn
 sa mica
 Lm

15%+
 sapr
 sh



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE (13) / (17)

topsoil
 org brn
 sa cl Lm

pale
 red org
 brn
 sa mica
 Lm

15%+
 sapr
 sh

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-25-00	13	4.0'S	12:00	slow	- test	stopped	-
		14.0'D	visual	- see	profile		FAIL
	14	12'8" D	visual	- see	profile		OK
	16	3.5'S	12:11	12:12	12:12	12:13.3	2
		13.0'D	visual	- see	profile		OK
	15	13.0'D	visual	- see	profile		OK
	17	4.5'S	12:20.3	12:24	12:24	12:30	6
		12'8" D	visual	- see	profile		OK
	18	12.5'D	visual	- see	profile		OK
	13	5.5'm	2:31.3	slow	- test	stopped	-

perc rate / landscape possible

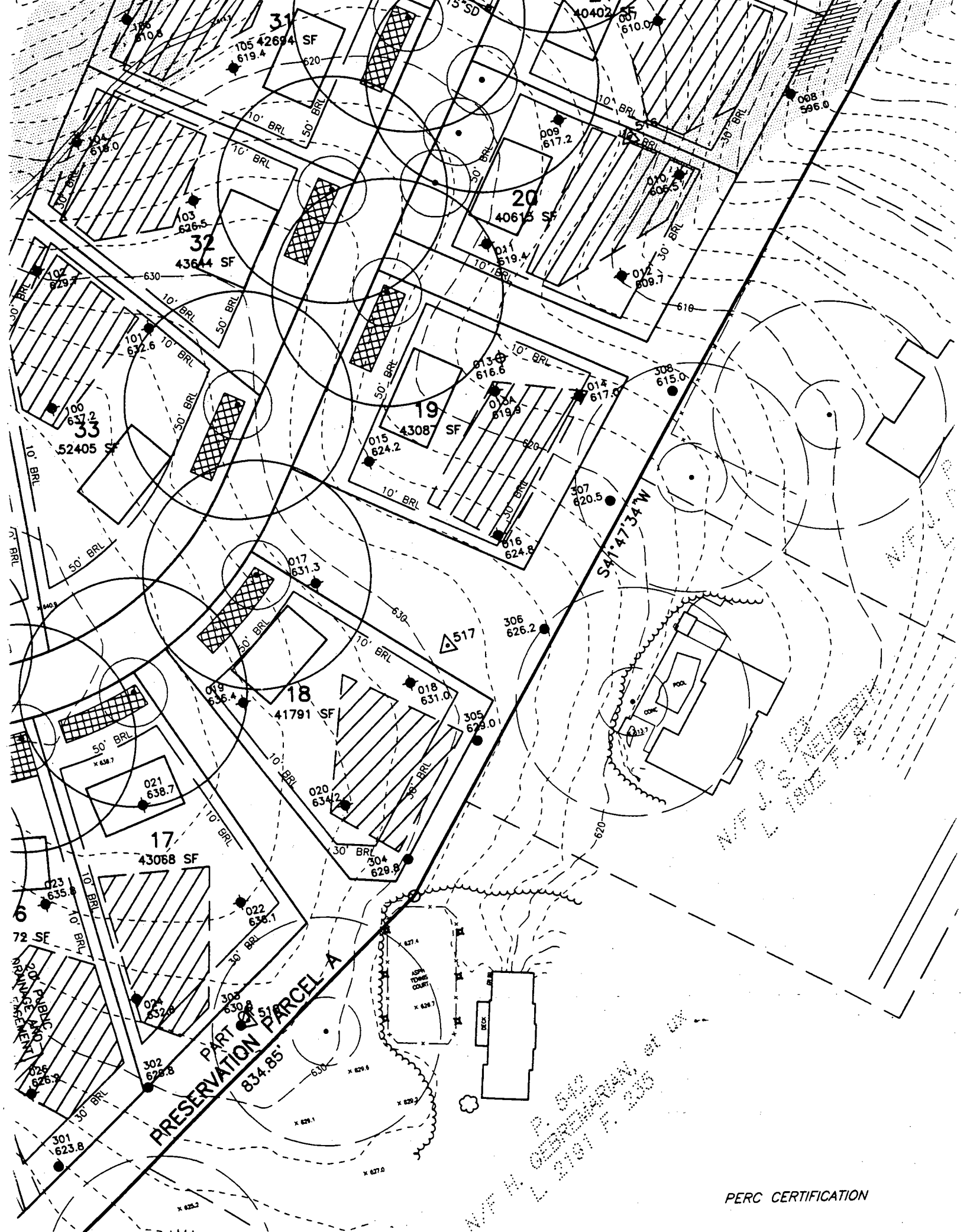
REMARKS: holes tested as staked

TYPE OF SOIL

TESTED BY: DKS ALSO PRESENT: C. Zepp, T. Feaga

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

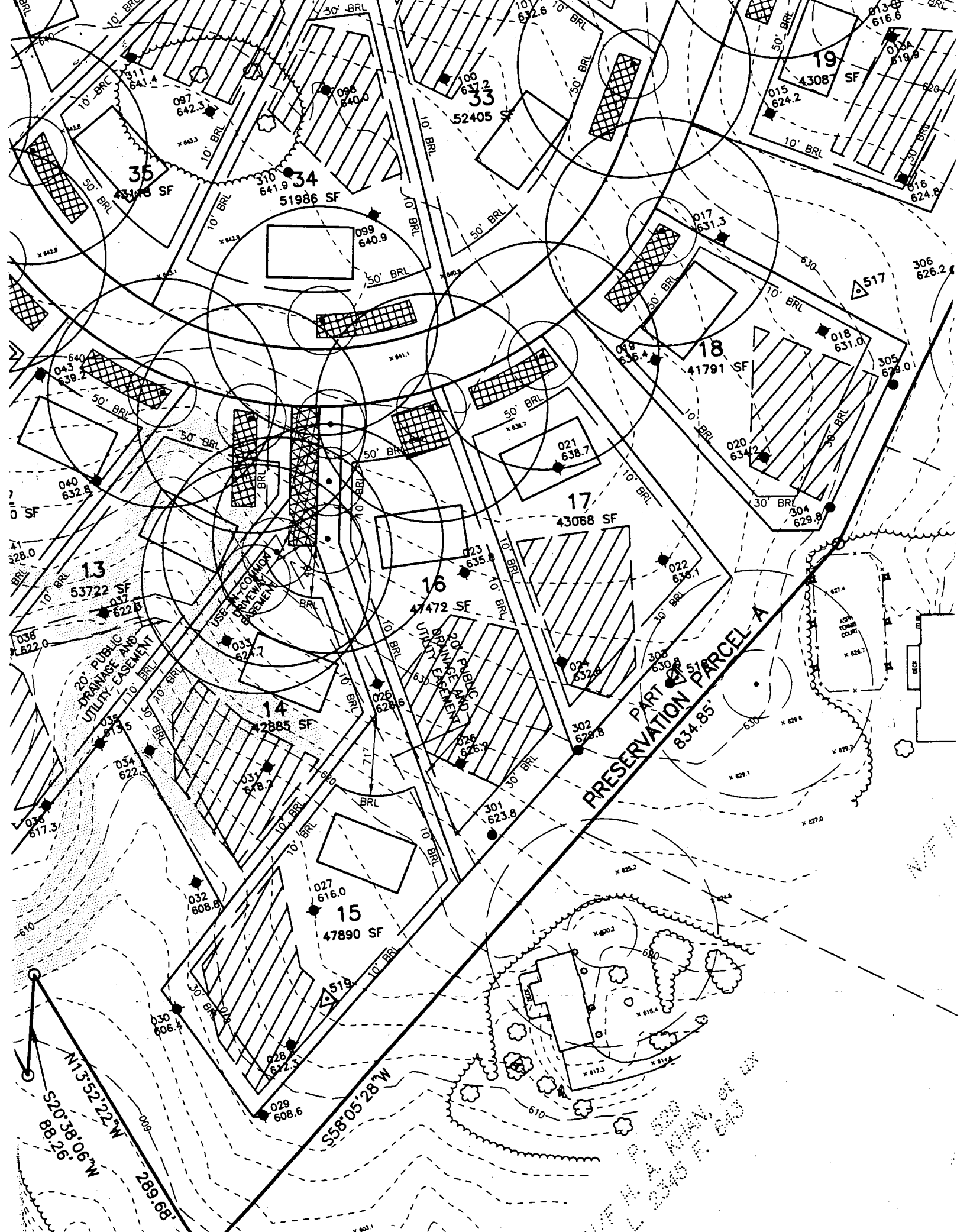
INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM



PART OF
PRESERVATION PARCEL A
 834.85'

W. H. C. ENGINEERS & SURVEYORS
 2000 N. 10th St. Suite 200
 Phoenix, AZ 85016

PERC CERTIFICATION



35
48148 SF

34
51986 SF

33
52405 SF

19
4308 SF

18
41791 SF

17
43068 SF

16
47472 SF

14
42885 SF

15
47890 SF

PART OF
PRESERVATION PARCEL A
834.85'

20' PUBLIC
DRAINAGE AND
UTILITY EASEMENT

COMMON
DRIVEWAY
EASEMENT

N13°52'22\"/>
S20°38'06\"/>
88.26'

S58°05'28\"/>
289.68'

ASPH
TOWER
COURT

G 8740 DEE SPERLING

DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS
 3430 COURT HOUSE DRIVE
 ELLICOTT CITY, MD 21043
 PERMITS (410)313-2455 INSPECTIONS (410)313-1810
 AUTOMATED INFORMATION (410) 313-3800

**HOWARD COUNTY
 PERMIT APPLICATION**

PERMIT NUMBER
 B00147029

Building Address 4289 Buckskin Wood Drive
Ellicott City, MD 21043

Suite/Apt. #: N.A. SDP/WP/Petition #: GP-04-52

Census Tract 6051.01 Subdivision Buckskin Ridge

Section N.A. Area N.A. Lot 18

Tax Map 22 Parcel 77 Grid 21

Zoning AR-DEO Map Coordinates 10 A-12 Lot size 40,150 SF.

Existing Use Vacant Lot 40,150 sf.

Proposed Use Single Family Dwelling

Estimated Construction Cost \$ 200,000.00

Description of Work Model "K-K" House
4 BR 3 BATHS, 3 PER DEE SPERLING
OF COLUMBIA BUILDERS (FA) 3/31/04

Occupant or Tenant _____

Contact Name _____

Address _____

City _____ State _____ Zip Code _____

Phone _____ Fax _____

Property Owner's Name Columbia Builders, Inc.

Address P.O. Box 999

City Columbia State MD Zip Code 21044

Home Phone _____ Work Phone (410) 730-3939

Applicant's Name & Mailing Address, (if other than stated hereon): _____

Phone _____ Fax _____

Contractor Company Columbia Builders, Inc.

Contact Person Dee Sperling

Address Same

City _____ State _____ Zip Code _____

License No. 254 Phone _____ Fax _____

Engineer or Architect Company Fisher, Collins & Carter

Contact Person J. Ecker

Address 10272 Baltimore Natl. Pike

City Ellicott City State MD Zip Code 21042

Phone (410)461-2855 Fax _____

BUILDING DESCRIPTION - COMMERCIAL

Building Characteristics	Utilities
Height: _____	Water Supply: _____ <input type="checkbox"/> Public <input type="checkbox"/> Private
No. of stories: _____	Sewage Disposal: _____ <input type="checkbox"/> Public <input type="checkbox"/> Private
Gross area, sq. ft. per floor: _____	Electric Yes <input type="checkbox"/> No <input type="checkbox"/> Gas Yes <input type="checkbox"/> No <input type="checkbox"/>
Use group: _____	Heating System: _____ <input type="checkbox"/> Electric <input type="checkbox"/> Oil <input type="checkbox"/> <input type="checkbox"/> Natural Gas <input type="checkbox"/> <input type="checkbox"/> Propane Gas <input type="checkbox"/>
Construction type: _____ <input type="checkbox"/> Reinforced Concrete <input type="checkbox"/> Structural Steel <input type="checkbox"/> Masonry <input type="checkbox"/> Wood Frame <input type="checkbox"/> State Certified Modular	Sprinkler system: <u>N/A</u> <input type="checkbox"/> <input type="checkbox"/> Full <input type="checkbox"/> Partial <input type="checkbox"/> Other Suppression <input type="checkbox"/> # of Heads _____

BUILDING DESCRIPTION - RESIDENTIAL

Building Characteristics	Utilities
SF Dwelling <input checked="" type="checkbox"/> SF Townhouse <input type="checkbox"/>	Water Supply: _____ <input type="checkbox"/> Public <input checked="" type="checkbox"/> Private
1st floor: _____ 2nd floor: _____ Basement: _____	Sewage Disposal: _____ <input type="checkbox"/> Public <input checked="" type="checkbox"/> Private
Finished Basement <input type="checkbox"/> Unfinished Basement <input type="checkbox"/> Crawl space <input type="checkbox"/> Slab on Grade <input type="checkbox"/> No. of Bedrooms _____	Electric Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Multi-family dwellings: No. of efficiency units: _____ No. of 1 BR units: _____ No. of 2 BR units: _____ No. of 3 BR units: <u>4 BR (FA)</u>	Heating System: _____ <input checked="" type="checkbox"/> Electric <input type="checkbox"/> Oil <input type="checkbox"/> <input type="checkbox"/> Natural Gas <input type="checkbox"/> <input type="checkbox"/> Propane Gas <input type="checkbox"/>
Other Structure: _____ Dimensions: _____ Footings: _____ Roof: <u>1 1/2 BATH</u>	Sprinkler system: <u>N/A</u> <input checked="" type="checkbox"/> <input type="checkbox"/> NFPA #13D <input type="checkbox"/> NFPA #13R <input type="checkbox"/> Other: _____
State Certified Modular <input type="checkbox"/> Manufactured Home	

THE UNDERSIGNED I HEREBY CERTIFY AND AGREE AS FOLLOWS: (1) THAT I/WE ARE AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT I/WE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE HERETO; (4) THAT I/WE WILL PROPRIUM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT I/WE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

B. James Greenfield Applicant's Signature
Pres., Columbia Builders, Inc. Title/Company

B. James Greenfield Print Name
3/25/04 Date

Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**
 ** PLEASE WRITE NEATLY AND LEGIBLY. **
 - FOR OFFICE USE ONLY -

AGENCY Land Development, DPZ DATE 3/31/04 SIGNATURE APPROVAL [Signature]

State Highways

Building Official

Dev. Engineering, DPZ

Health

Fire Protection

Is Sediment Control approval required prior to issuance?
 YES NO

CONTINGENCY CONSTRUCTION START:

ONE STOP SHOP:

DPZ SETBACK INFORMATION

Front: _____

Rear: _____

Side: _____

Side St.: _____

All minimum setbacks met? YES NO

Is Entrance Permit required? YES NO

Historic District? YES NO

Lot Coverage for NewTown Zone _____

SDP/Red-line approval date _____ Accepted by [Signature]

PROPERTY ID# 60923

Filing fee \$ 100

Permit fee \$ _____

Excise tax \$ _____

Sub-total paid \$ _____

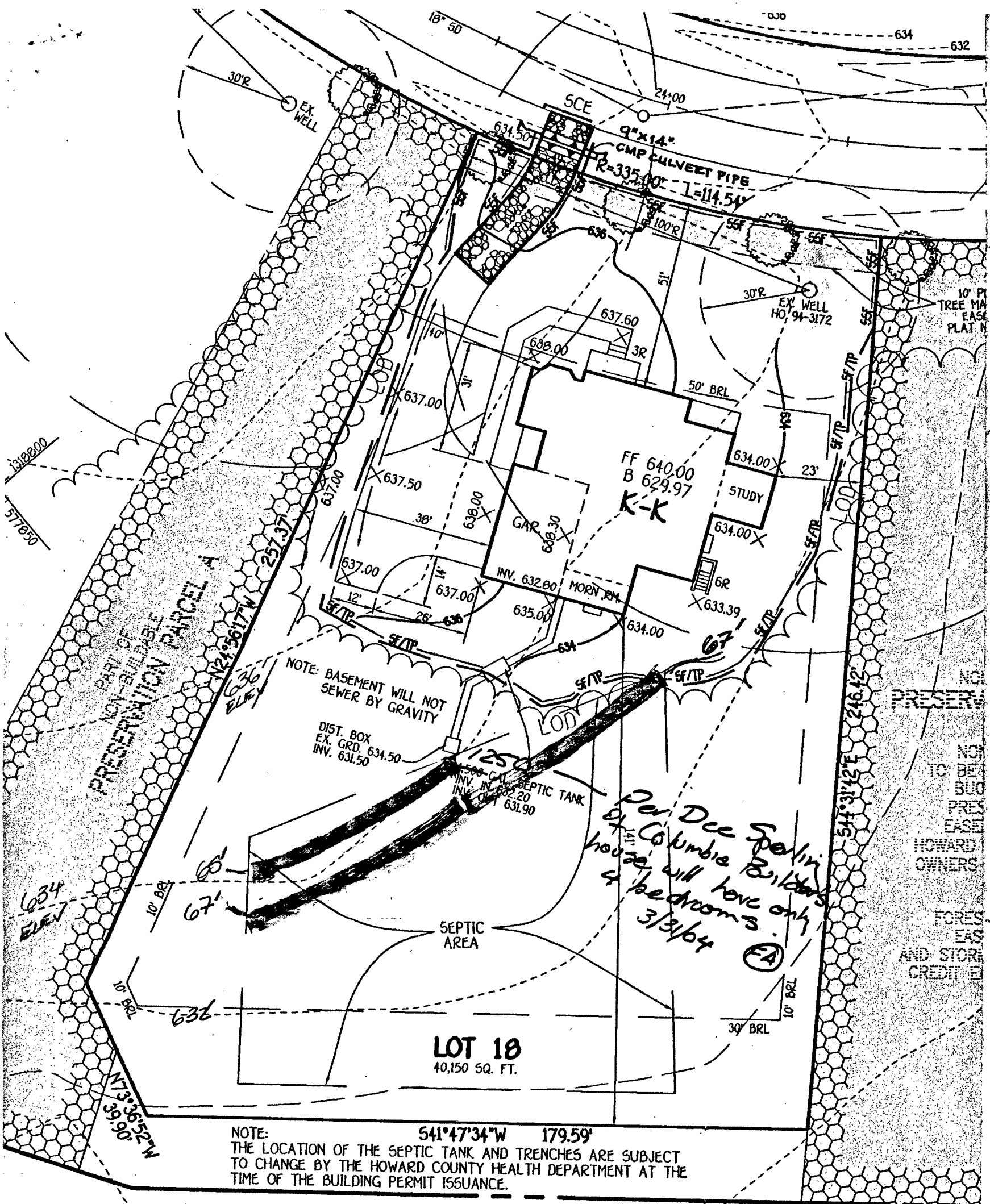
Add'l permit fee \$ _____

TOTAL FEES \$ _____

Balance due \$ _____

Check # 2830

Validation # 44819



Approved Septic System Plan
Howard County Health Department

BPO047029
FOR LOT # 18
4289 BUCKSKIN WOOD DRIVE

[Signature]
Signature
4/20/04
Date

BUILDER/DEVELOPER
COLUMBIA BUILDERS
P.O. BOX 999
COLUMBIA, MARYLAND 21044
410-730-3940



DEVELOPER'S CERTIFICATE

ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THE HOWARD COUNTY HEALTH DEPARTMENT'S EROSION AND SEDIMENT CONTROL PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR EROSION AND EROSION BEFORE BEGINNING THE PROJECT. ON-SITE INSPECTION BY THE HOWARD SOIL

ENGINEER'S CERTIFICATE

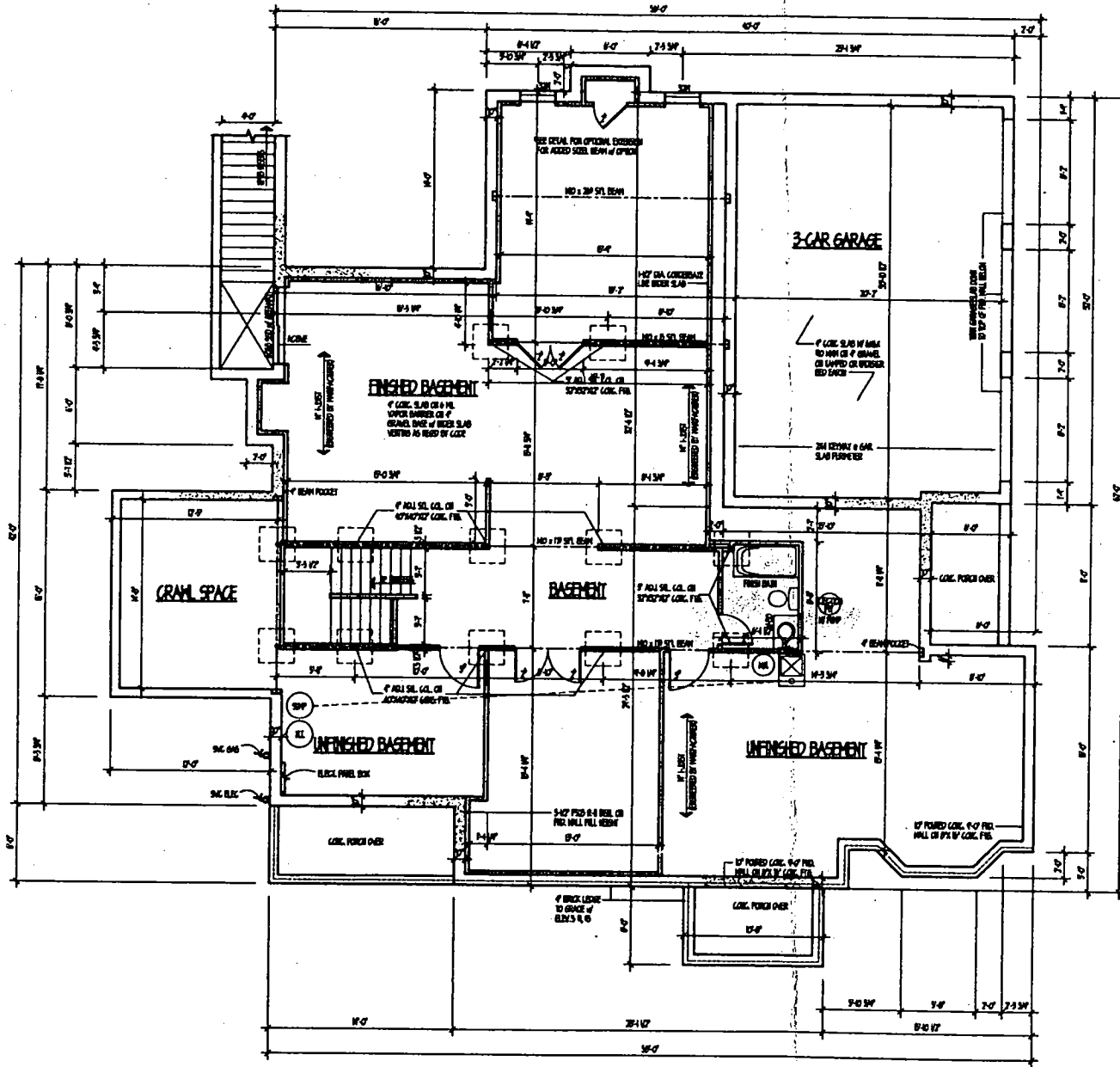
"I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

[Signature]
1-8-04

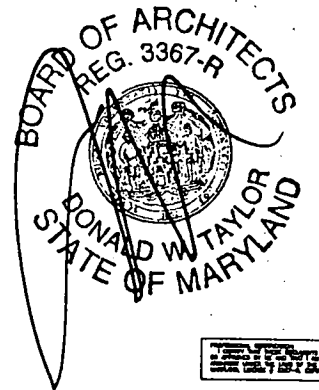
[Signature]
EARL D. COLLINS
17

BF 01/14/04
 4289 BUCKLIN WOOD DRIVE
~~1791 HARRIS ST~~

Received copy of floor plan on 3/31/04
 showing ejection pit for basement
 service on bathroom (BA)



FOUNDATION PLAN
1/4" = 1'-0"



I hereby certify that the above is a true and correct copy of the original as filed in my office on 1/14/04.

dw taylor
 ARCHITECT
 1000 WASHINGTON BLVD. #100
 WASHINGTON, DC 20004
 TEL: (202) 462-1100
 FAX: (202) 462-1101
 WWW.DWTAYLOR.COM

NO.	REVISION

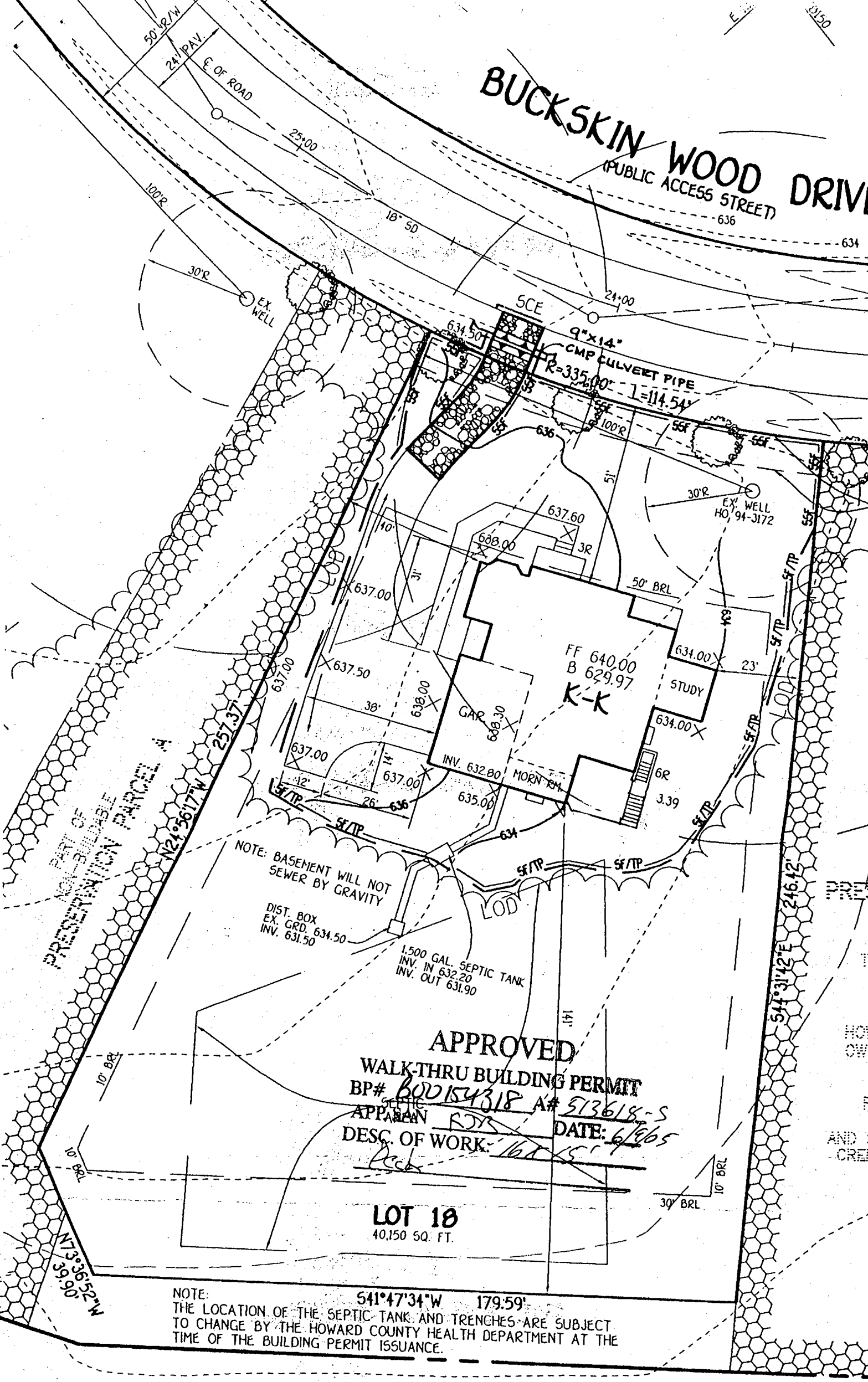
PROJECT TITLE
**COLUMBA BUILDERS
 THE KK' HOUSE**

CONTENT
**FOUNDATION PLAN
 CUSTOM LOT# BR-16**

PROJECT NUMBER	DRAWING NUMBER
1340	A2

BUCKSKIN WOOD DRIVE

(PUBLIC ACCESS STREET) 636



NOTE: BASEMENT WILL NOT
SEWER BY GRAVITY

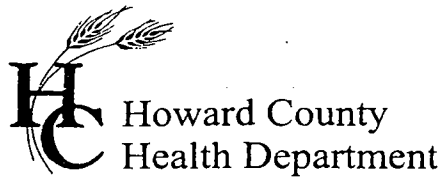
DIST. BOX
EX. GRD. 634.50
INV. 631.50

1,500 GAL. SEPTIC TANK
INV. IN 632.20
INV. OUT 631.90

APPROVED
WALK-THRU BUILDING PERMIT
 BP# 600154318 A# 513618-S
 APPRAN RJR DATE: 6/16/05
 DESC. OF WORK: 161151

LOT 18
40,150 SQ. FT.

NOTE: 541°47'34"W 179.59'
 THE LOCATION OF THE SEPTIC TANK AND TRENCHES ARE SUBJECT
 TO CHANGE BY THE HOWARD COUNTY HEALTH DEPARTMENT AT THE
 TIME OF THE BUILDING PERMIT ISSUANCE.



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

October 14, 2004

Columbia Builders, Inc.
P. O. Box 999
Columbia, MD 21044

SENT VIA FACSIMILE 410-992-3020

RE: **Buckskin Ridge, Lot 18
4289 Buckskin Wood Drive
Ellicott City, MD 21043
BP # B00147029
Well Permit #HO 94-3172**

Dear Sirs:

This is to advise you that the septic system for the above referenced property has been installed and inspected. **Final approval of the septic system was granted on 7/14/2004. Final approval of the well line connection to the dwelling was approved on 7/13/2004.**

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. The water sample results were found to be in compliance with COMAR water quality standards.

INTERIM CERTIFICATE OF POTABILITY

This certifies that the **initial** sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit #**HO-94-3172**. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department, as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

This certificate may become final upon completion of the second bacteriological test, which is to be taken by the county health department within six months of receipt of this letter. **Please contact (410) 313-1773 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.**

Date of Water Sample: 10/12/2004
Date of Well Completion: 10/01/2001

Respectfully,


Stuart F. Oster, R. S.
Well and Septic Program

cc: Building Inspector's Office
Community Services Program
File