

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	3'	5'
NUMBER OF TRENCHES		6
TOTAL LENGTH		
ABSORPTION AREA		
DISTRIBUTION BOX LEVEL		Levelers
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX		Door

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
CAPACITY	3000 GAL
SEAM LOC	Top
TANK LID DEPTH	2'-3'
BAFFLES	✓
BAFFLE FILTER	✓
MANHOLE LOC	FEB
6" PORT LOC	
WATERTIGHT TEST	Yes
SEPTIC TANK 2 LEVEL	N/A
CAPACITY	
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	

PRE-CONSTRUCTION 10/3/04 - 8" Sewer main already installed in the street & down access way to S.R.A.

INSTALLATION Discussed installation of Tank, D.B & trenches. Recommended they put all 6 trenches on side, need to shoot grade & stake trenches w/ min. of 3 stakes (50)

11/8/04 Tank and distribution box set. Trenches look like they are staked correctly. (BB) 11/9/04 No work done. (BB) 11/16/04 Line run from tank to dist. box. Valves and cleanouts connected to dist. box. Working on third trench. (BB) 11/18/04 Fourth trench halfway done. 8" line connected to septic tank (BB) 11/19/04 Trenches 4 and 5 finished. Levelers set in distribution

FINAL INSPECTOR [Signature] DATE OF APPROVAL 11/29/04

box. Tank water tested. (BB) 11/29/04. Complete system installed. OK to Cover. (50)

05435072

LAYOUT 10/4/04 - 10 AM INSP 4 _____
INSP 2 _____ INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 7/24/2003 P 519065

APPROVAL DATE: 11/29/04 A _____

PERMIT

INDEXED

TAX ID # 05-435072

SHARED

SEWER SEWAGE DISPOSAL SYSTEM HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH

Dale Thompson Builders IS PERMITTED TO INSTALL ALTER

ADDRESS: 630 Woodside Ct, Columbia 21046 PHONE NUMBER: 410-995-6736

SUBDIVISION: Pindell Woods LOT NUMBER: 6822

ADDRESS: 7213 Preservation Court - Lot 6 PROPERTY OWNER: Dale Thompson Builders

SEPTIC TANK CAPACITY (GALLONS): 3000 OUTLET BAFFLE FILTER REQUIRED

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

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: _____

LINEAR FEET OF TRENCH REQUIRED: 540

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 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Shared System--See Plans. Contractor is required to notify Public Works at 410-313-4900 five working days prior to start.
NOTES:	Effluent filter to be installed after septic tank outlet. Septic system components and easement should be staked by a surveyor. Basement gravity service is not available.

PLANS APPROVED: Brian Baker *OK MR* DATE: 9/19/2002

- 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

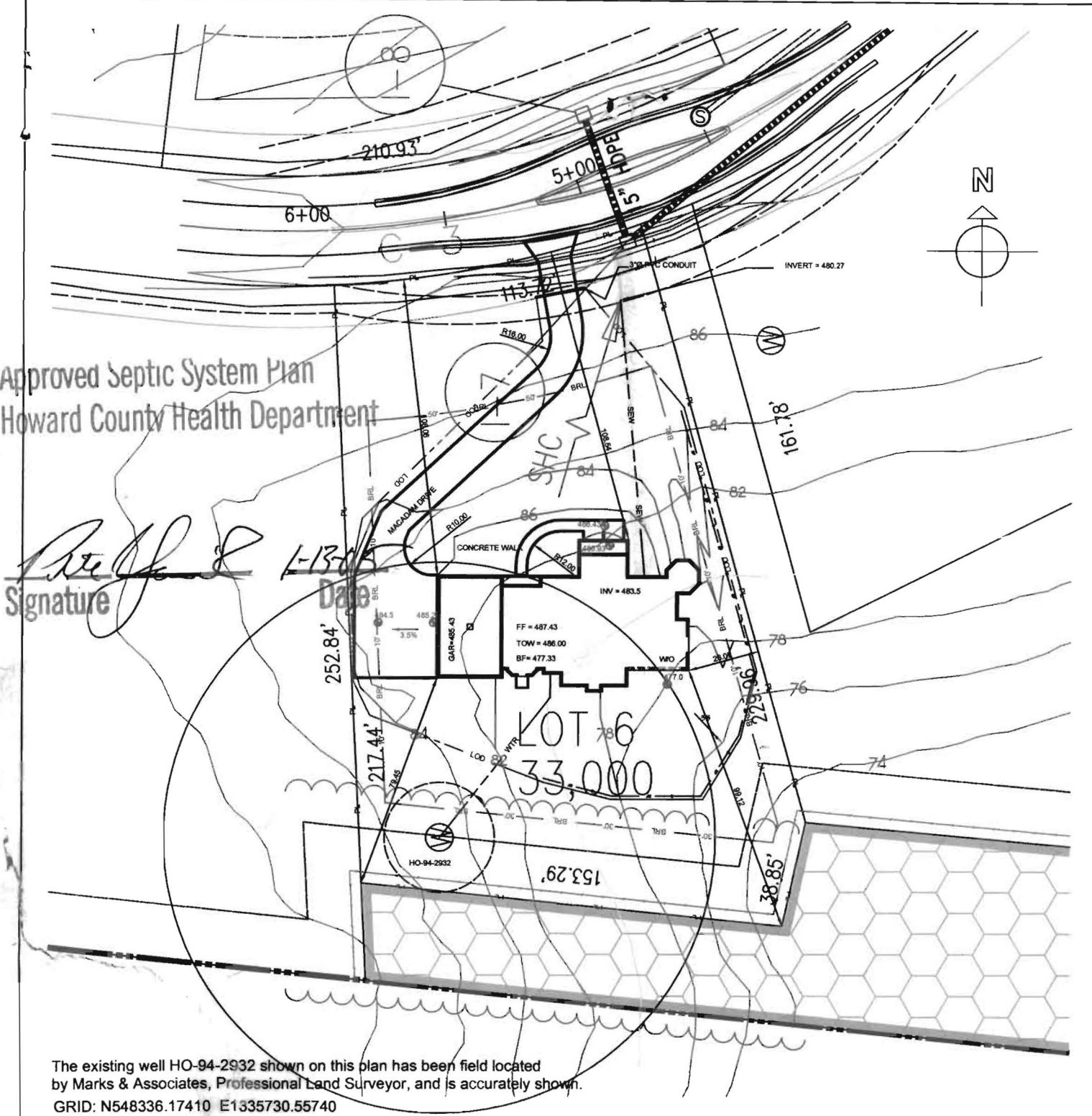
11/29/04 Monitoring wells still need to be drilled (50)

519065

Approved Septic System Plan
Howard County Health Department

[Handwritten Signature]
Signature

1-13-05
Date



The existing well HO-94-2932 shown on this plan has been field located by Marks & Associates, Professional Land Surveyor, and is accurately shown.
GRID: N548336.17410 E1335730.55740

PLOT PLAN

SINGLE FAMILY DWELLING
PW 6
the NAIK Residence
PINDELL WOODS
HOWARD COUNTY, MARYLAND

DATE: JAN 8, 2005
SCALE: 1" = 50'

OWNER/BUILDER:
DALE THOMPSON BUILDERS
6300 WOODSIDE COURT, SUITE A
COLUMBIA, MD. 21046
410-995-6736

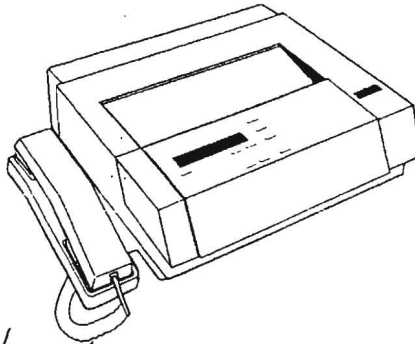
PROPOSED ELEVATIONS:

BASEMENT FLOOR:	477.33
TOP OF FNDN WALL:	486.00
FIRST FLOOR:	487.43
INVERT OUT OF HOUSE:	483.50
INVERT INTO SHC:	480.27

PAVING SPECIFICATIONS:
2" ASPHALT OVER 4" CR-6 OR
2.5" ASPHALT OVER 1.5" OVERLAY
50 LF OF FILTER CLOTH BEGINNING AT DRIVEWAY APRON

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

F A X



Date

8/12/05

To

Matt Todor

Department

FAX #

From

Stuart Oster

Telephone

FAX (410) 313-2648

Of Pages

(including cover page)

Comments

*It appears a house conn. is made
They don't have their ICOP, so I
will put a hold on this until we hear
OK from you.*

CONFIDENTIALITY NOTICE

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To: John Borus

Concerning: Shared septic system
Pindell Woods Development
Fulton, MD 20759
Dale Thompson Builders

Please be advised of shared septic construction. Attached is the letter I sent to Mike Ring at Howard County Department of Public Works Bureau of Utilities.

If you have any additional information please let us know.

Thank you,

A handwritten signature in cursive script that reads "Barry J. Eckard".

Barry Eckard
Production Manager



September 23, 2004

Howard County
Department Of Public Works Bureau Of Utilities
Attention: Mike Ring
8270 Old Montgomery Rd.
Columbia, MD 21045

Dear Mr. Ring:

Dale Thompson Builders will be installing a shared septic system at our Pindell Woods Subdivision now that all pre-cast structures are available on site. Work is set to begin September 27, 2004 with stake out of septic field.

Our sequence of construction will be as follows:

- Stake out shared septic field
- Locate sewer pipe out fall
- Excavate holes and trenches
- Install 3,000 gallon septic tank
- Install distribution box and valves
- Install perforated pipe and trenches
- Install two observation wells
- Rough grade site
- Install access road and pavement
- Install fencing and gate
- Final grade and seed

Please let us know when each inspection is to take place and who we are to notify.

Sincerely,

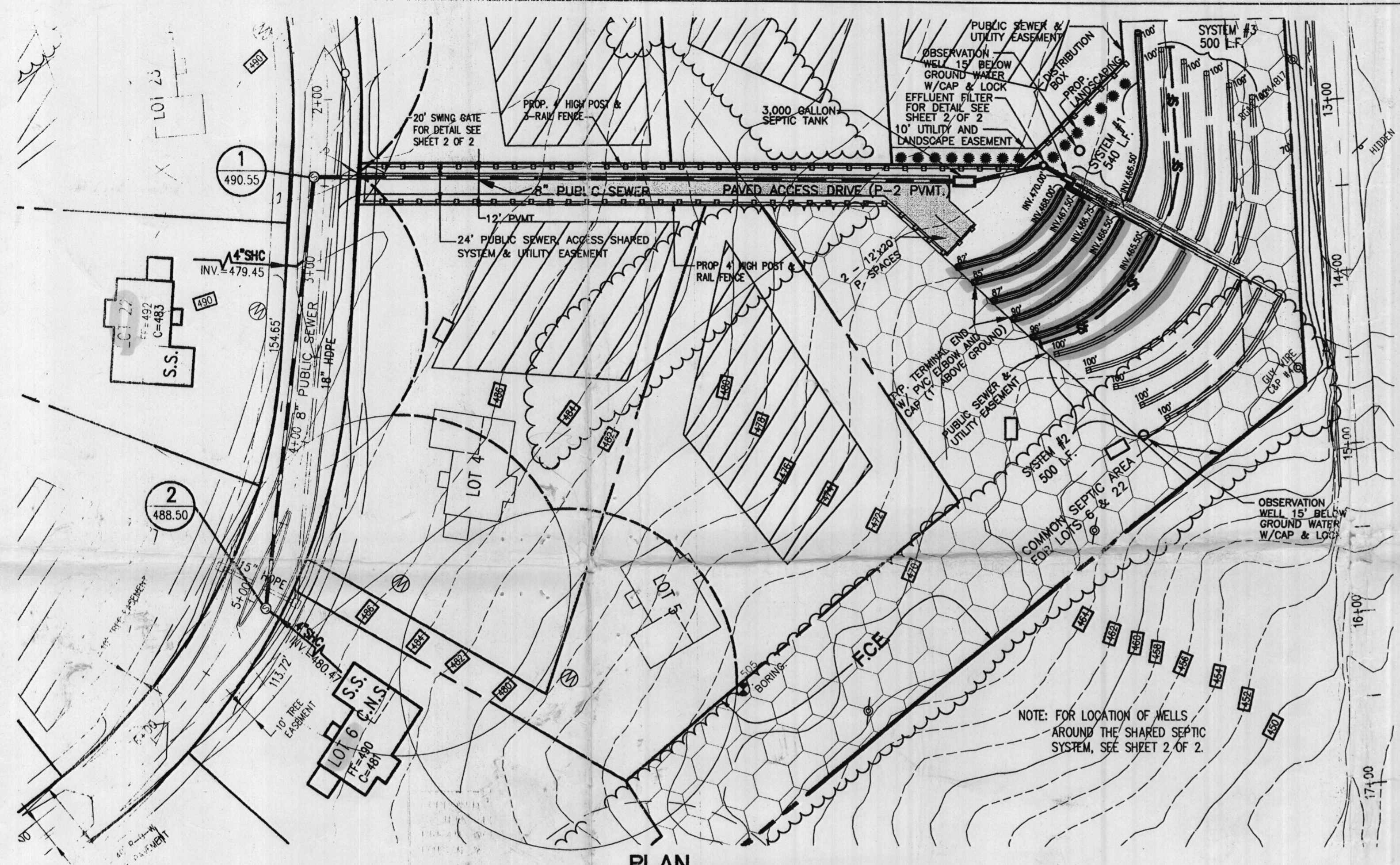
DTB

A handwritten signature in black ink that reads "Barry Eckard".

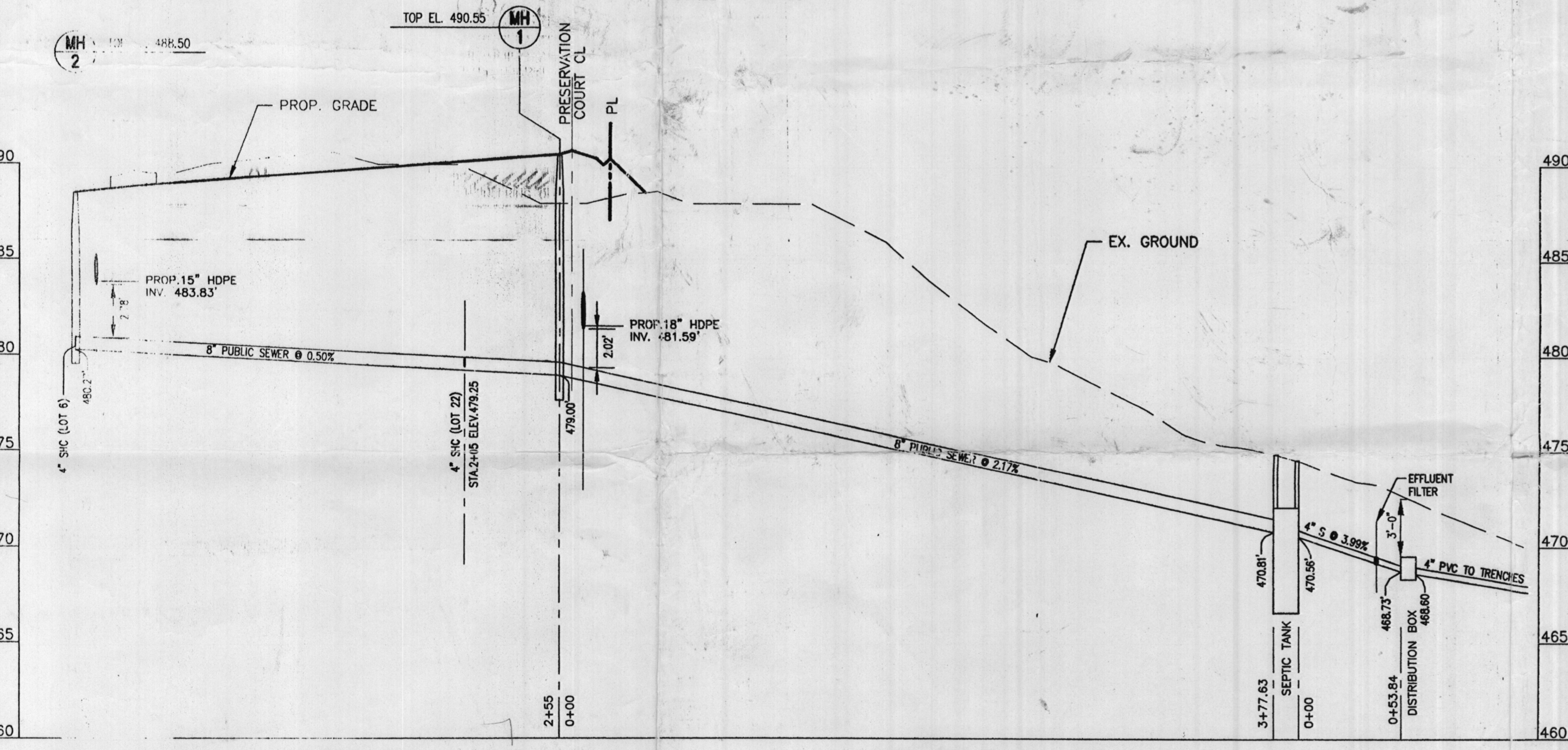
Barry Eckard
Production Manager

(410) 250-0835

Cell



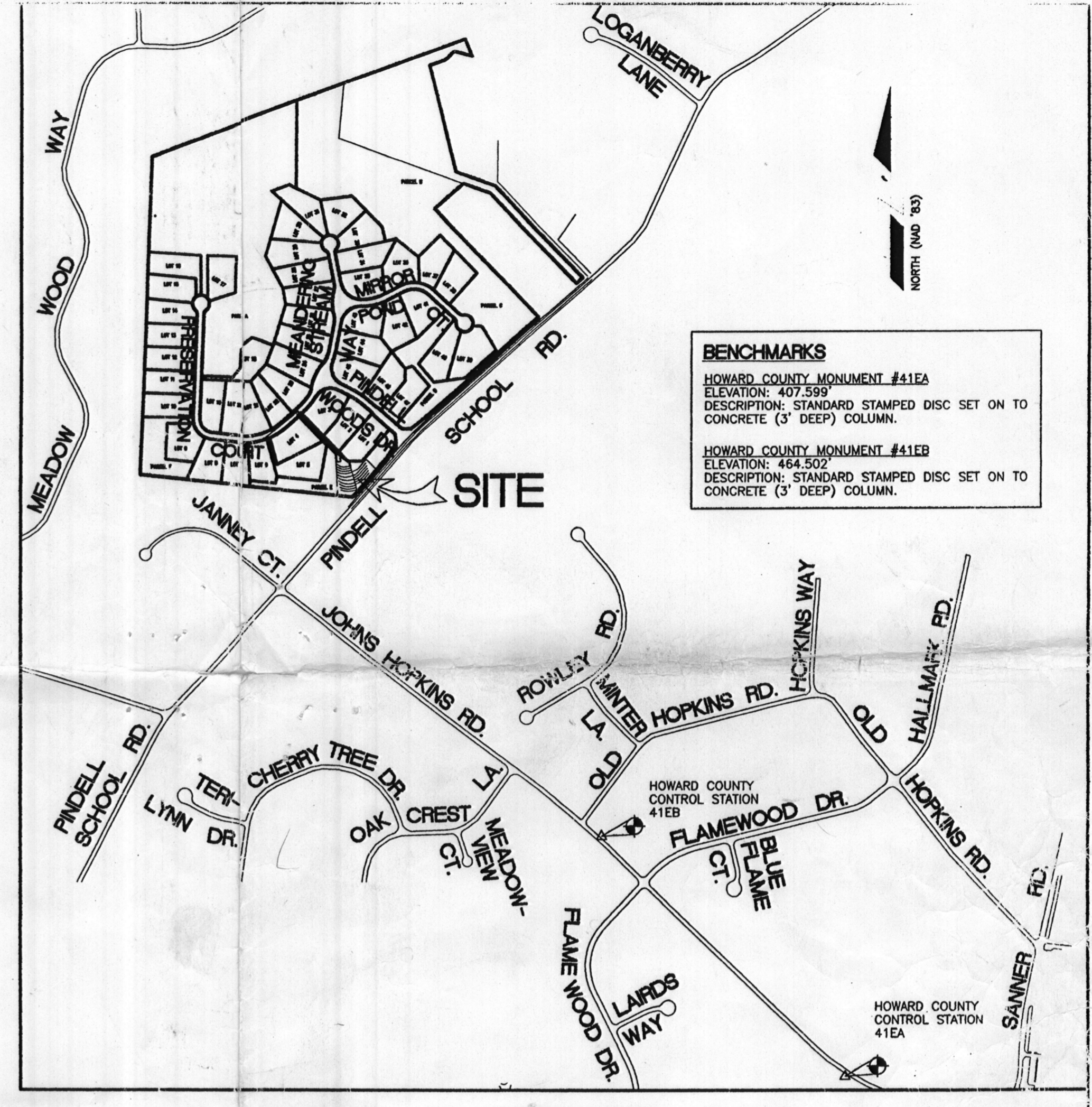
PLAN
SCALE: 1" = 50'



PROFILE
SCALE: HOR. 1" = 50'
VER. 1" = 5'

- GENERAL NOTES**
- PART 1 - GENERAL
 - APPROXIMATE LOCATION OF EXISTING MANS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MANS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
 - ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
 - ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATA.
 - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
 - CLEAR ALL UTILITIES BY A MINIMUM OF 6" CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED. THE OWNER HAS CONTACTED THE UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONEY OWED TO THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
 - FOR DETAILS NOT SHOWN ON THE DRAWINGS AND FOR MATERIALS AND CONSTRUCTION METHODS USE HOWARD COUNTY DESIGN MANUAL VOLUME IV, STANDARD SPECIFICATIONS AND DETAIL FOR CONSTRUCTION (LATEST EDITION). THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB.
 - WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL. AT THE LOCATION OF THE TEST PIT A NOTE OF NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS IS INCLUDED ON THE DRAWINGS EXISTENT UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN DONE SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.
 - TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
 - CONTRACTOR SHALL REMOVE TREES AND STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
 - PLACE REGULATION "MEN WORKING" AND WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY MAINTENANCE OPERATIONS.
 - THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-2450 AT LEAST FIVE WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION IN COUNTY ROADS OF LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL FOR THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.11(a) OF THE HOWARD COUNTY CODE.
 - PART 2 - SEWER
 - ALL SEWER MAINS SHALL BE DIP AND P.V.C. UNLESS OTHERWISE NOTED.
 - THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITH 2'-0" OF EXTERIOR MANHOLE WALL.
 - ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNITS, OTHERWISE NOTED.
 - MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
 - HOUSE(S) WITH THE SYMBOL C.N.S. INDICATES THAT CELLAR CANNOT BE SERVED.

- NOTE**
- A SEPTIC FEE IN THE AMOUNT OF \$180 PER LOT SERVED BY THE COMMON SEPTIC SYSTEM SHALL BE PAID TO THE HOWARD COUNTY ENVIRONMENTAL HEALTH DEPARTMENT AT THE TIME OF THE SEPTIC CONSTRUCTION PERMIT ISSUANCE.
 - A SIGNED "DECLARATION OF COVENANTS" WILL BE REQUIRED ON SHARED SEPTIC LOTS.
 - THE BUILDER SHALL INSTALL BACK FLOW PREVENTER AND RELIEF VENT ON THE SEWER SERVICE AT THE HOUSE, AT THE TIME OF THE HOUSE CONSTRUCTION OR AS REQUIRED BY THE PLUMBING INSPECTOR.
 - SEPTIC TANKS SHALL BE VACUUM TESTED ON-SITE BY THE MANUFACTURER. SEPTIC TANK SHOP DRAWINGS FROM THE MANUFACTURER SHOULD BE SUBMITTED TO THE HOWARD COUNTY ENVIRONMENTAL HEALTH DEPARTMENT PRIOR TO ANY INSTALLATION OF THE SEPTIC TANKS.
 - THE CONTRACTOR SHALL NOTIFY HOWARD COUNTY HEALTH DEPARTMENT AT (410) 313-2540 AT LEAST FIVE (5) WORKING DAYS BEFORE ANY PRESSURE TEST OF PRESSURE SEWERS, AND ANY SEPTIC TANKS VACUUM OR WATER TESTING IS PERFORMED.
 - OBSERVATION WELL TO BE INSTALLED AFTER TRENCH INSTALLATION IS COMPLETED.
 - THE HOWARD COUNTY HEALTH DEPARTMENT SHALL AS BUILT THE SEPTIC TRENCH PORTION OF THE COMMON SEPTIC SYSTEM. THE COLLECTION PORTION OF THIS SYSTEM SHALL BE AS BUILT BY OTHERS AS SPECIFIED BY THE DEVELOPER AGREEMENT.



BENCHMARKS
 HOWARD COUNTY MONUMENT #41EA
 ELEVATION: 407.559'
 DESCRIPTION: STANDARD STAMPED DISC SET ON TO CONCRETE (3' DEEP) COLUMN.
 HOWARD COUNTY MONUMENT #41EB
 ELEVATION: 464.502'
 DESCRIPTION: STANDARD STAMPED DISC SET ON TO CONCRETE (3' DEEP) COLUMN.

VICINITY MAP
SCALE: 1" = 600'

3,000 GALLON SEPTIC TANK DATA

AREA	TANK ELEVATION	INVERT ELEVATION	TANK COORDINATES	MANHOLE RIM ELEVATION	REMARK
SHARED SEPTIC AREA	472.0' TOP	470.81	N 548453.4605 E 1336248.2853	474.88	
	466.5' BOT	470.56	N 548444.0384 E 1336257.6012	474.56	

SEWER MANHOLE LOCATION DATA

MH	LOCATION
1	N 548722.0229 E 1335982.8057
2	N 548563.3117 E 1335783.2167

QUANTITIES

ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPIC	MANUF./SUPPLIER
MANHOLES	2 EA.			
4" SEWER	54 L.F.			
8" SEWER	633 L.F.			
3000 GALLON SEPTIC TANK	1 EA.			
DISTRIBUTION BOX	1 EA.			
LEACHING FIELD	22,260 S.F.			
DIAL-A-FLOW LEVELERS	6 EA.			
ZABEL A-100 H.P. FILTER I	1 EA.			

NAME OF UTILITY CONTRACTOR: _____
 SURVEY AND DRAFTING DIVISION AS-BUILT DATE: _____

SHEET INDEX

NO.	DESCRIPTION
1	PLAN AND PROFILE OF COMMON SEPTIC AREA
2	DETAILS

TRENCH REQUIREMENTS

*USE 5 BEDROOM/HOUSE.
 750 GPD PER HOUSE
 750 GPD/HOUSE X 2 HOUSE = 1500 GPD
 1500 GPD / 1 GPM/SQ.FT. = 1500 SQ. FT. EFFECTIVE AREA
 1500 SQ. FT. / 3 FT. WIDE TRENCH = 500 L.F. (REQUIRED)
 PROVIDED : 1,540 L.F.
 SEPTIC TANK SIZED FOR 1500 GALLON/HSE

CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS

STATE HIGHWAY ADMINISTRATION	531-5533
BALTIMORE GAS & ELECTRIC CO.	850-4820
CONTRACTOR SERVICES	787-9088
BALTIMORE GAS & ELECTRIC CO.	1-800-257-7777
UNDERGROUND DAMAGE CONTROL	785-1390
MISS UTILITY	
COLONIAL PIPELINE CO	
HOWARD COUNTY DEPT. OF PUBLIC WORKS	313-4900
BUREAU OF UTILITIES	
HO CO. ENVIRONMENTAL HEALTH DPT	410-313-2840

HOWARD SOIL CONSERVATION DISTRICT:
 REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 U.S.D.A. - NATURAL RESOURCES CONSERVATION SERVICE
 DATE: 3/21/01

THIS PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 DATE: 3/21/01

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY REGULATORY AND SPECIFICATIONS AND AS PER ROAD CONSTRUCTION PLANS 1-89T-89

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, LOTS 1-5, 7-21, AND 23-47; AND FOR PRIVATE WATER AND A SHARED SEWERAGE SYSTEM FOR LOTS 6 & 22.
 DATE: 3/21/01

HOWARD COUNTY HEALTH DEPARTMENT
 DATE: 3/21/01

Approved Septic System Plan
 Howard County Health Department

Donna Kim Clark 3/27/01
 Brian Baker 9/19/02
 Signature Date

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE: 3-19-01

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND
 DATE: 3/21/01

AMERICAN LAND DEVELOPMENT AND ENGINEERING INC.
 10749 BIRMINGHAM WAY
 WOODSTOCK, MD 21163
 TEL. (410) 465-7993
 FAX (410) 465-8846



DES.: DW/AG	
DRN.: DA/JC	
CHK.: DW/JL	
DATE: 2-21-01	
BY NO.	REVISIONS
	DATE

PLAN AND PROFILE OF SHARED SEPTIC SYSTEM

PINDELL WOODS
 LOTS 1 THRU 47 AND PRESERVATION PARCELS A THRU F
 5th ELECTION DISTRICT

TAX MAP NO. 41 GRID 2, 3, 8 AND 9 CONTRACT NO. 50-3952-D

SCALE: 1" = 50'
 SHEET NO. 1 OF 2

P: \PANEL\Shared-Septic\SEPTIC1.dwg Mon Mar 12 12:47:12 2001