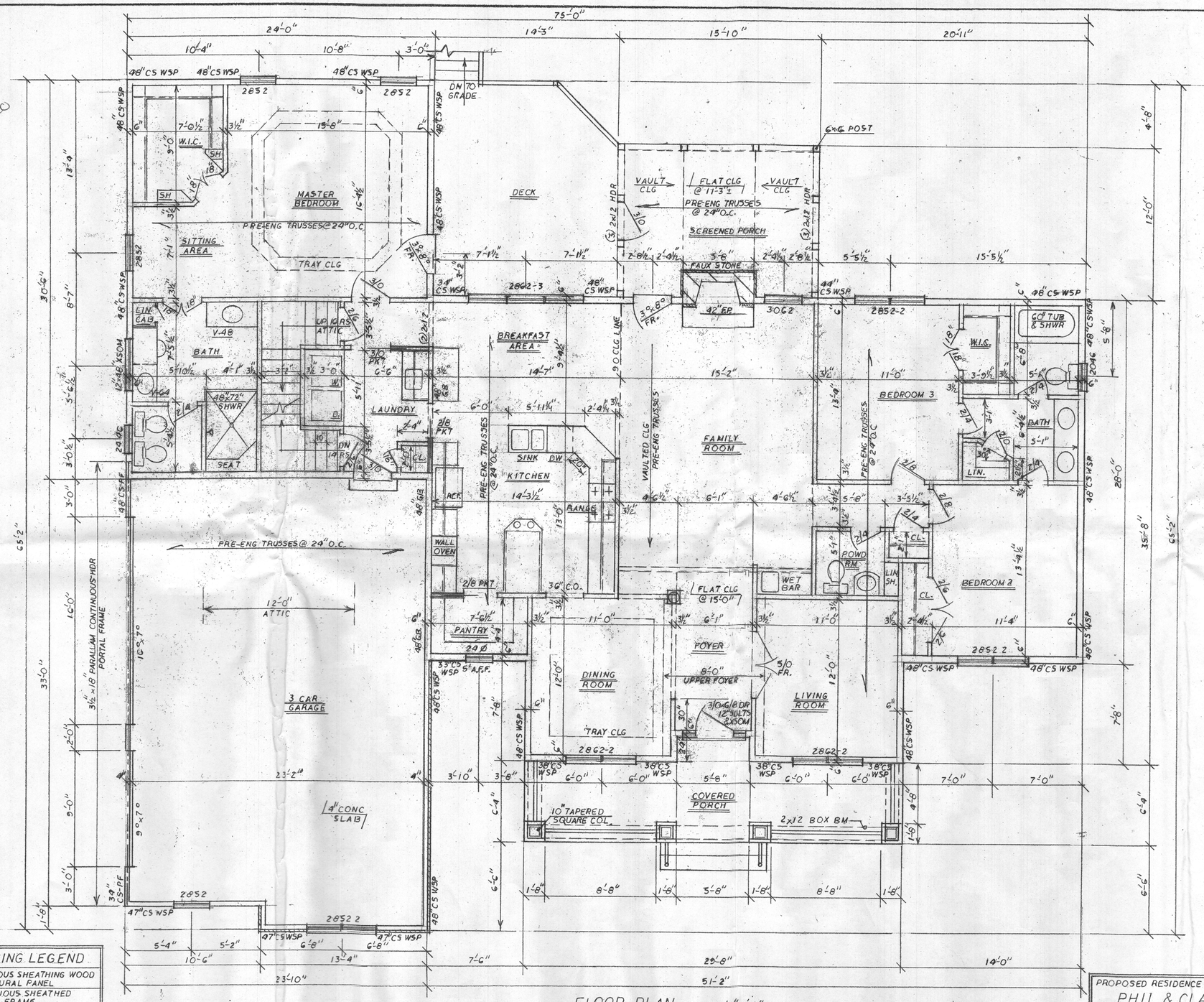
Approved
RH 8/24/2020
B2001179



FLOOR PLAN SCALE: 1/4" = 1'-0"

WALL BRACING LEGEND	
CS-WSP	CONTINUOUS SHEATHING WOOD STRUCTURAL PANEL
CS-PF	CONTINUOUS SHEATHED PORTAL FRAME
GB	GYPSUM BD 2 SIDED

PROPOSED RESIDENCE FOR:
PHIL & CLAUDIA DORSEY

DRAWN BY	DATE	SHEET NO.
HEIGES BROTHERS	JULY, 2019	1 OF 3

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
BrD	BRINKLOW CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	B	0.20
OcC	Occoquan loam, 8 to 15 percent slopes	B	0.24

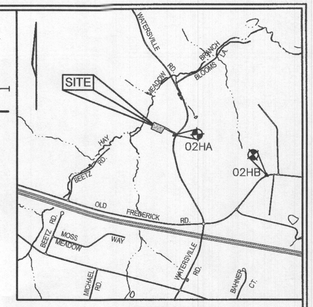
NOTES:
1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, WEB SOIL SURVEY.
2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

BENCHMARKS

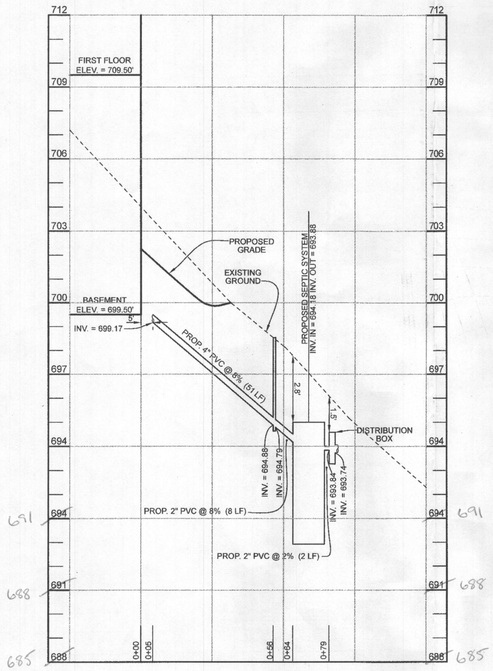
NO.	NORTHING	EASTING	ELEVATION	TYPE
02HA	N 554251.6	E 772542.8	736.063	
02HB	N 553162.4	E 775155.2	737.120	

LEGEND

EXISTING CONTOUR — 382
PROPOSED CONTOUR — 382
SILT FENCE — SF — SF
LIMIT OF DISTURBANCE — LOD
STABILIZED CONSTRUCTION ENTRANCE
SOILS — SoA
RAIN GARDEN (M-7) — RG
PERCOLATION TEST - PASSED — P/A



VICINITY MAP
SCALE: 1"= 2000'
ADC COORDINATES 3 B6



PROFILE VIEW
SCALE: HORIZ: 1"=30'
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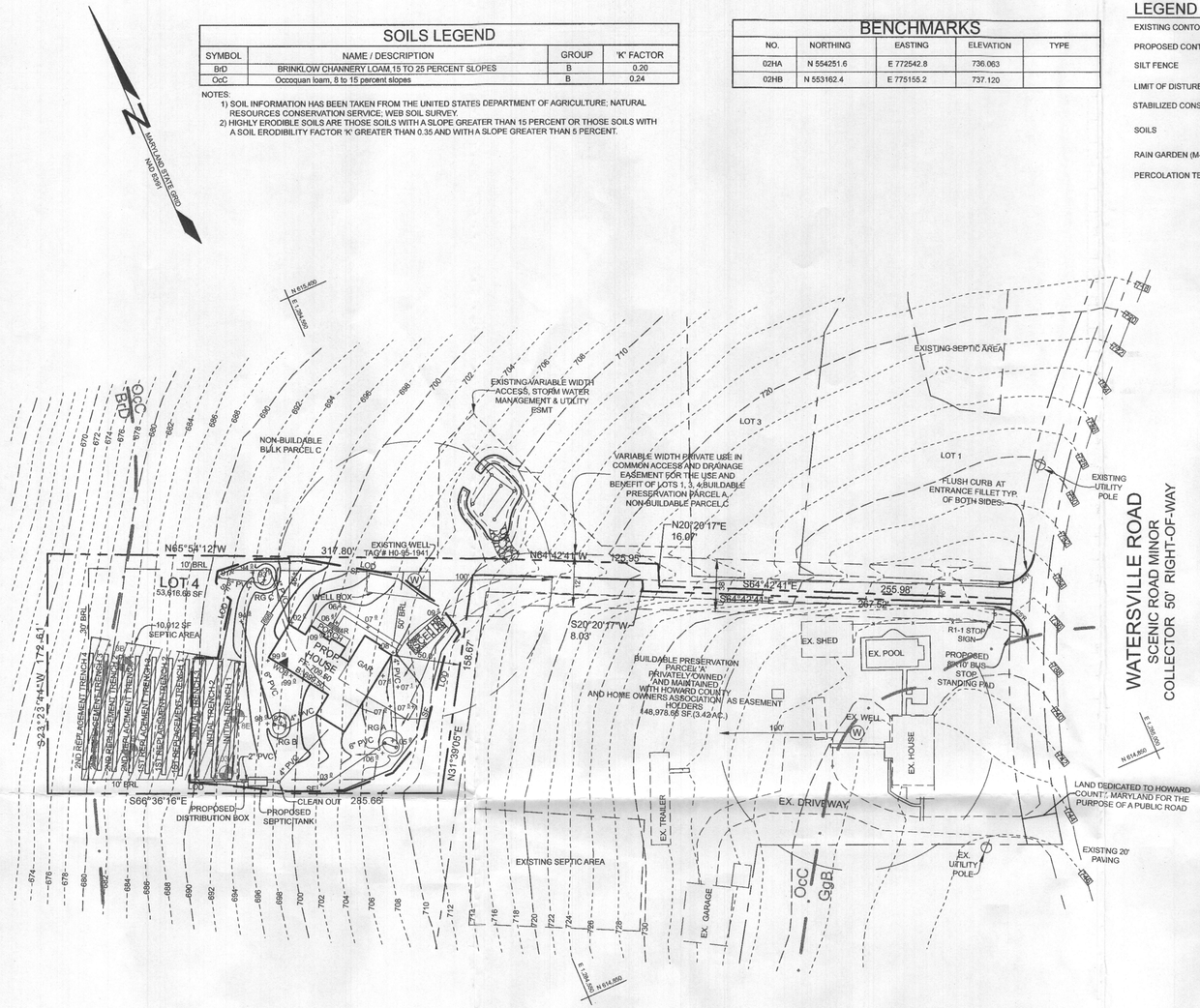

SEPTIC NOTES

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4. THE WELL (#95-2265) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
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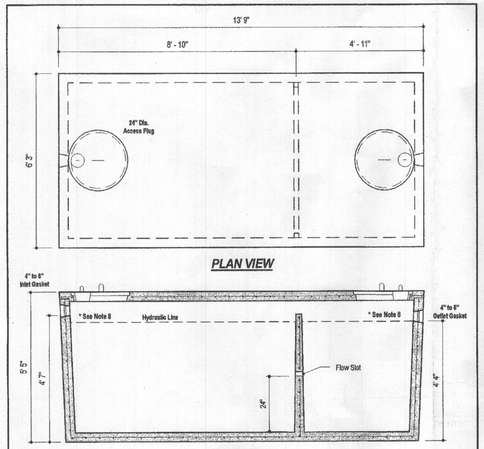
Approved Septic System Plan
Howard County Health Department
Signature — Date 8/24/2020



DESIGN DATA & GENERAL NOTES
[1] Concrete strength f'c=4,000 p.s.i. @ 28 days. Density = 150 pcf.
[2] Cement - Portland Type III per ASTM C 150-92.
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[4] Reinforcing per ASTM A 185. Min. 1-1/2" cover.
[5] Top slab sealed with butyl rope mastic.
[6] 4" wall, 4" base, & 4" top thickness.
[7] Max 3' of cover
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Mayer Bros., Inc.
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Fax. 410.796.1438
www.mayerbroprecast.com

2,000 GALLON SEPTIC TANK
2-Compartment
Stock Item [Approx. 19,900 lbs]

Dwg. No. 2000-2C	No Scale	Aug 11, 2008

SEPTIC TRENCH DESIGN (SECOND REPLACEMENT)

1. INITIAL SYSTEM
   - APPLICATON RATE: 0.6
   - EFFECTIVE AREA BEGINING DEPTH: 3'
   - BOTTOM MAXUMUM DEPTH: 3.5'
2. DESIGN FLOW:
   - 4 BEDROOMS AT 150 GPD
   - 4x150 GPD = 600 GPD
3. SQUAE FOOTAGE OF DRAINFIELD REQUIRED
   - DESIGN FLOW (600 GPD) / APPLICATION RATE (0.6) = 1,000.0
4. NO SIDEWALL REDUCTION CREDIT IS BEING USED WITH THIS SYSTEM
5. LINEAR LENGTH OF TRENCH REQUIRED:
   - DRAINFIELD SQUARE FOOTAGE (1,000.0) x SIDEWALL REDUCTION PERCENTAGE (-) / TRENCH WIDETH (3') = 333.3'
6. LINEAR LENGTH OF TRENCH PROVIDED: 336.0'

REPLACEMENT SEPTIC TRENCH CHART

TRENCH NUMBER	EXISTING GRADE	INVERT	TRENCH BOTTOM	LENGTH	WIDTH
1	682.5	679.5	679.0	84'	3'
2	680.5	677.5	677.0	84'	3'
3	679.0	696.0	695.5	84'	3'
4	678.0	675.0	674.5	84'	3'

SEPTIC TRENCH DESIGN (FIRST REPLACEMENT)

1. INITIAL SYSTEM
   - APPLICATON RATE: 0.8
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   - BOTTOM MAXUMUM DEPTH: 3.5'
2. DESIGN FLOW:
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   - 4x150 GPD = 600 GPD
3. SQUAE FOOTAGE OF DRAINFIELD REQUIRED
   - DESIGN FLOW (600 GPD) / APPLICATION RATE (0.8) = 750.0
4. NO SIDEWALL REDUCTION CREDIT IS BEING USED WITH THIS SYSTEM
5. LINEAR LENGTH OF TRENCH REQUIRED:
   - DRAINFIELD SQUARE FOOTAGE (750.0) x SIDEWALL REDUCTION PERCENTAGE (-) / TRENCH WIDETH (3') = 250.0'
6. LINEAR LENGTH OF TRENCH PROVIDED: 252.0'

REPLACEMENT SEPTIC TRENCH CHART

TRENCH NUMBER	EXISTING GRADE	INVERT	TRENCH BOTTOM	LENGTH	WIDTH
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(IN FEET)
1 INCH = 50 FEET

OWNER/DEVELOPER
DORSEY CONTRACTORS, INC.
MR. PHILLIP H. DORSEY, PRESIDENT
8835-P COLUMBIA 100 PARKWAY
COLUMBIA, MARYLAND 21045
410.730.1810

SEPTIC PLAN

572 WATERSVILLE ROAD

LOT 4

TAX MAP 2 GRID 15 & 21
4TH ELECTION DISTRICT

PARCEL 18
HOWARD COUNTY, MARYLAND

Adcock & Associates · LLC
Engineers · Surveyors · Planners
5389 Enterprise Street, Suites B-C
Sykesville, Maryland 21784
Phone: 443.325.7682
Email: info@saaland.com

DESIGN BY:	JT
DRAWN BY:	JT
CHECKED BY:	MA
SCALE:	1"=50'
DATE:	JULY 23, 2020
PROJECT #:	18-070
SHEET #:	2 of 2

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR, UNDER THE LAWS OF THE STATE OF MARYLAND, REG. NO. 21257, EXPIRATION DATE: 06-16-2021

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
BrD	BRINKLOW CHANNERY LOAM,15 TO 25 PERCENT SLOPES	B	0.20
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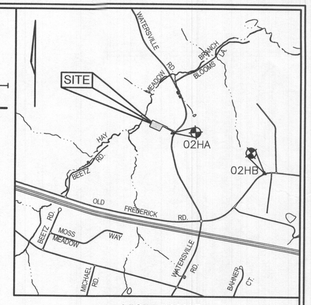
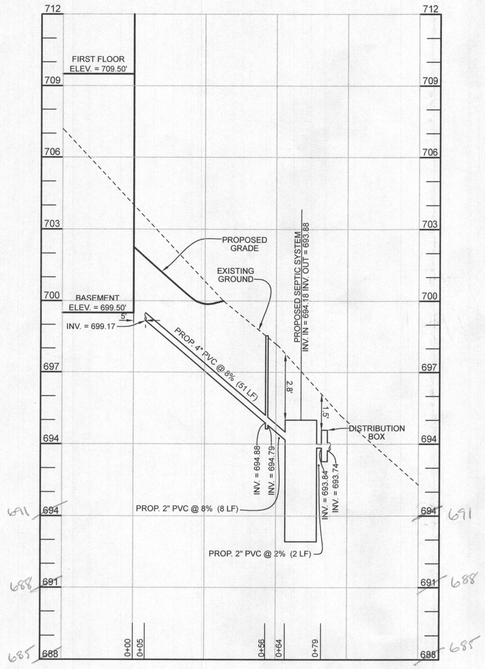
SOILS — SoA
RAIN GARDEN (M-7) — RG
PERCOLATION TEST - PASSED — 9A



VICINITY MAP
SCALE:1"= 2000'
ADC COORDINATES 3 B6



PROFILE VIEW
SCALE: HORIZ. 1"=30'
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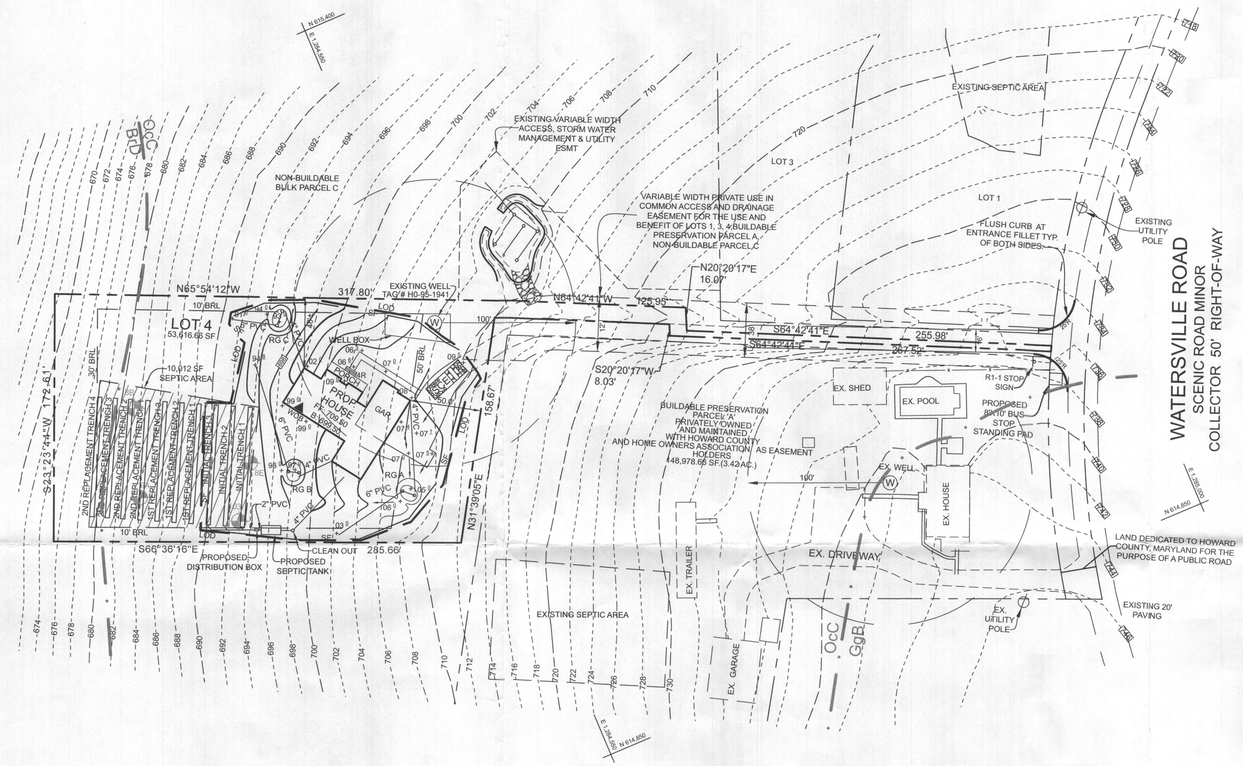

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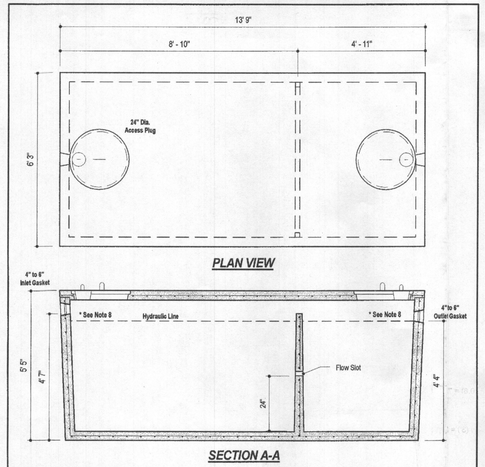

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2-Compartment
Stock Item [Approx. 19,900 lbs]

Dwg. No. 2000-2C	No Scale	Aug 11, 2006

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SEPTIC PLAN

572 WATERSVILLE ROAD

LOT 4

TAX MAP 2 GRID 15 & 21
4TH ELECTION DISTRICT

PARCEL 18
HOWARD COUNTY, MARYLAND

STATE OF MARYLAND · MICHAEL DAVID ADCOCK · No. 21257 · PROFESSIONAL LAND SURVEYOR

Adcock & Associates · LLC
Engineers · Surveyors · Planners
5389 Enterprise Street, Suites B-C
Sykesville, Maryland 21784
Phone: 443.325.7682
Email: info@saaland.com

DESIGN BY:	JT
DRAWN BY:	JT
CHECKED BY:	MA
SCALE:	1"=50'
DATE:	JULY 23, 2020
PROJECT #:	18-070
SHEET #:	2 of 2

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR, UNDER THE LAWS OF THE STATE OF MARYLAND, REG. NO. 21257, EXPIRATION DATE: 06-16-2021

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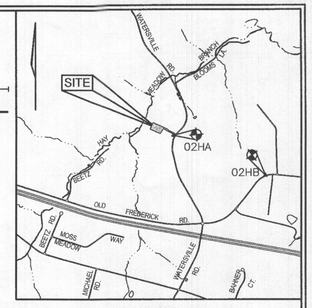

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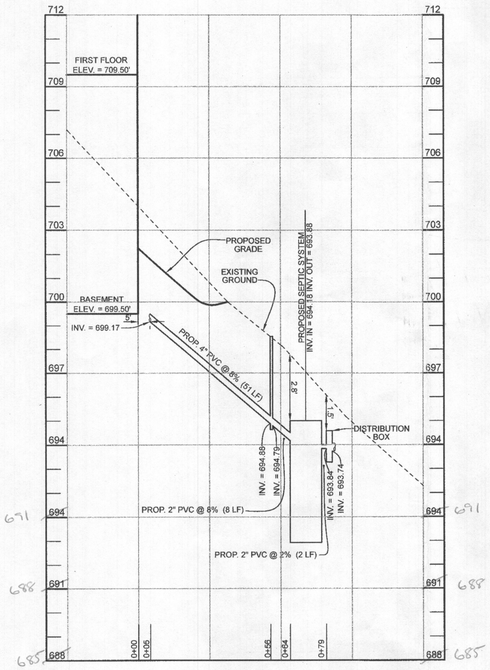
ADC COORDINATES 3 B6



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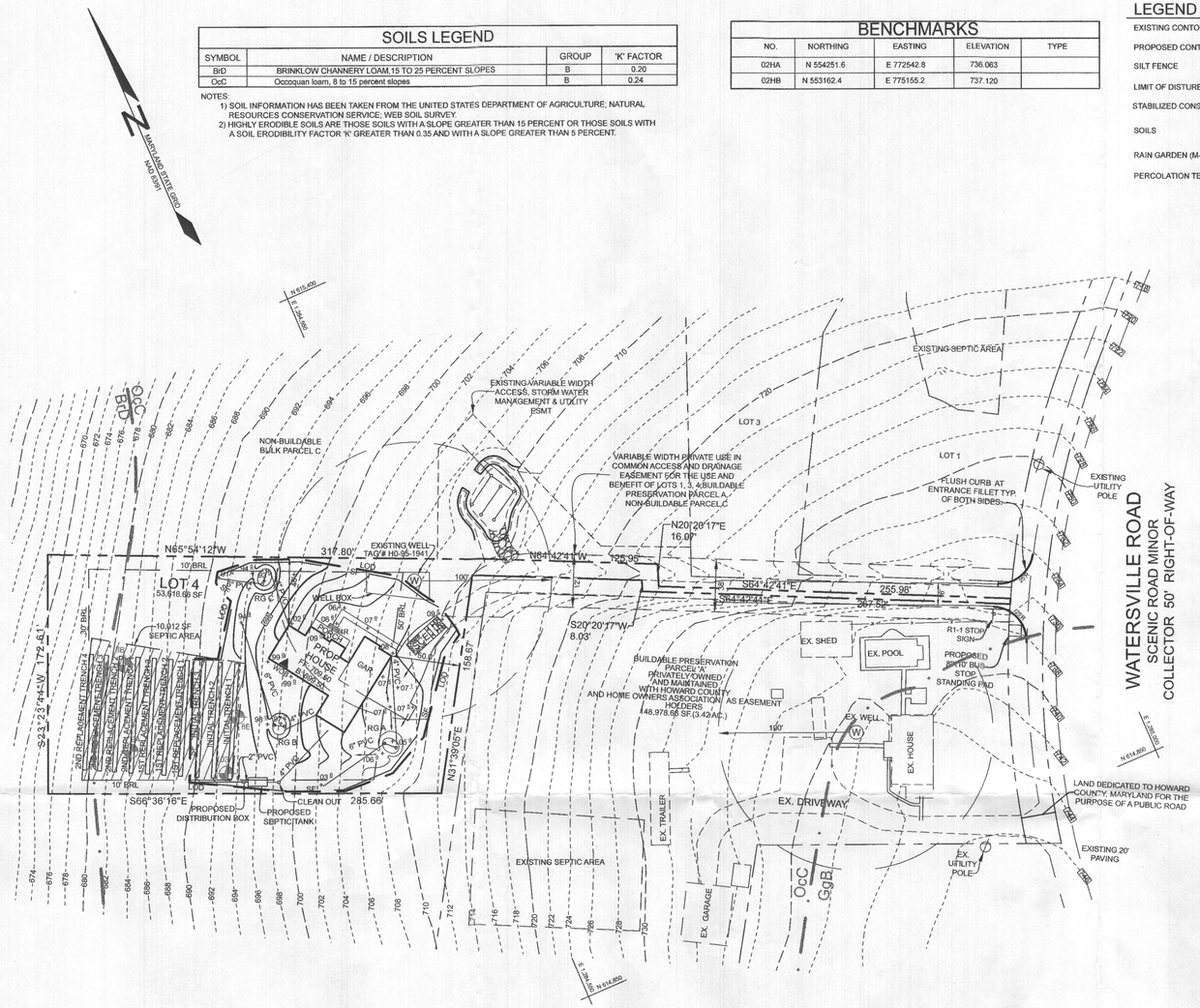

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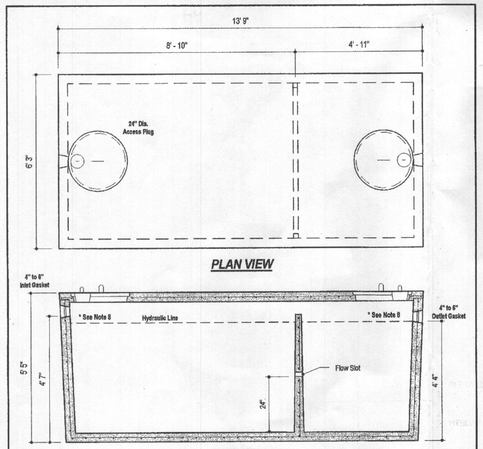
Howard County Health Department
Signature — Date 8/24/2020



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[4] Reinforcing per ASTM A185. Min. 1-1/2" cover.
[5] Top slab sealed with butyl reps mastic.
[6] 4" wall, 4" base, & 4" top thickness.
[7] Max 3' of cover
[8] Depending on use of tank, inlet & Outlet baffle may be required by code.

Mayer Bros., Inc.
6264 Race Road
Elkridge, Maryland 21075
Tel. 410.796.1434
Fax. 410.796.1438
www.mayerbroprecast.com

2,000 GALLON SEPTIC TANK
2-Compartment
Stock Item [Approx. 19,900 lbs]

Dwg. No. 2000-2C	No Scale	Aug 11, 2008

SEPTIC TRENCH DESIGN (SECOND REPLACEMENT)

1. INITIAL SYSTEM
   - APPLICATON RATE: 0.6
   - EFFECTIVE AREA BEGINING DEPTH: 3'
   - BOTTOM MAXUMUM DEPTH: 3.5'
2. DESIGN FLOW:
   - 4 BEDROOMS AT 150 GPD
   - 4x150 GPD = 600 GPD
3. SQUAE FOOTAGE OF DRAINFIELD REQUIRED
   - DESIGN FLOW (600 GPD) / APPLICATION RATE (0.6) = 1,000.0
4. NO SIDEWALL REDUCTION CREDIT IS BEING USED WITH THIS SYSTEM
5. LINEAR LENGTH OF TRENCH REQUIRED:
   - DRAINFIELD SQUARE FOOTAGE (1,000.0) x SIDEWALL REDUCTION PERCENTAGE (-) / TRENCH WIDETH (3') = 333.3'
6. LINEAR LENGTH OF TRENCH PROVIDED: 336.0'

REPLACEMENT SEPTIC TRENCH CHART

TRENCH NUMBER	EXISTING GRADE	INVERT	TRENCH BOTTOM	LENGTH	WIDTH
1	682.5	679.5	679.0	84'	3'
2	680.5	677.5	677.0	84'	3'
3	679.0	696.0	695.5	84'	3'
4	678.0	675.0	674.5	84'	3'

SEPTIC TRENCH DESIGN (FIRST REPLACEMENT)

1. INITIAL SYSTEM
   - APPLICATON RATE: 0.8
   - EFFECTIVE AREA BEGINING DEPTH: 3'
   - BOTTOM MAXUMUM DEPTH: 3.5'
2. DESIGN FLOW:
   - 4 BEDROOMS AT 150 GPD
   - 4x150 GPD = 600 GPD
3. SQUAE FOOTAGE OF DRAINFIELD REQUIRED
   - DESIGN FLOW (600 GPD) / APPLICATION RATE (0.8) = 750.0
4. NO SIDEWALL REDUCTION CREDIT IS BEING USED WITH THIS SYSTEM
5. LINEAR LENGTH OF TRENCH REQUIRED:
   - DRAINFIELD SQUARE FOOTAGE (750.0) x SIDEWALL REDUCTION PERCENTAGE (-) / TRENCH WIDETH (3') = 250.0'
6. LINEAR LENGTH OF TRENCH PROVIDED: 252.0'

REPLACEMENT SEPTIC TRENCH CHART

TRENCH NUMBER	EXISTING GRADE	INVERT	TRENCH BOTTOM	LENGTH	WIDTH
1	688.0	485.0	684.5	84'	3'
2	686.5	683.5	683.0	84'	3'
3	685.0	682.0	681.5	84'	3'

SEPTIC TRENCH DESIGN (INITIAL SYSTEM)

1. INITIAL SYSTEM
   - APPLICATON RATE: 0.8
   - EFFECTIVE AREA BEGINING DEPTH: 3'
   - BOTTOM MAXUMUM DEPTH: 3.5'
2. DESIGN FLOW:
   - 4 BEDROOMS AT 150 GPD
   - 4x150 GPD = 600 GPD
3. SQUAE FOOTAGE OF DRAINFIELD REQUIRED
   - DESIGN FLOW (600 GPD) / APPLICATION RATE (0.8) = 750.0
4. NO SIDEWALL REDUCTION CREDIT IS BEING USED WITH THIS SYSTEM
5. LINEAR LENGTH OF TRENCH REQUIRED:
   - DRAINFIELD SQUARE FOOTAGE (750.0) x SIDEWALL REDUCTION PERCENTAGE (-) / TRENCH WIDETH (3') = 250.0'
6. LINEAR LENGTH OF TRENCH PROVIDED: 252.0'

INITIAL SEPTIC TRENCH CHART

TRENCH NUMBER	EXISTING GRADE	INVERT	TRENCH BOTTOM	LENGTH	WIDTH
1	694.0	691.0	690.5	84'	3'
2	692.0	689.0	688.5	84'	3'
3	690.0	687.0	686.5	84'	3'

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 INCH = 50 FEET

OWNER/DEVELOPER

DORSEY CONTRACTORS, INC.
MR. PHILLIP H. DORSEY, PRESIDENT
8835-P COLUMBIA 100 PARKWAY
COLUMBIA, MARYLAND 21045
410.730.1810

SEPTIC PLAN

572 WATERSVILLE ROAD

LOT 4

TAX MAP 2 GRID 15 & 21
4TH ELECTION DISTRICT

PARCEL 18
HOWARD COUNTY, MARYLAND

STATE OF MARYLAND — MICHAEL DAVID ADCOCK — No. 21257 — PROFESSIONAL LAND SURVEYOR

Adcock & Associates · LLC
Engineers · Surveyors · Planners
5389 Enterprise Street, Suites B-C
Sykesville, Maryland 21784
Phone: 443.325.7682
Email: info@aaland.com

DESIGN BY:	JT
DRAWN BY:	JT
CHECKED BY:	MA
SCALE:	1"=50'
DATE:	JULY 23, 2020
PROJECT #:	18-070
SHEET #:	2 of 2

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR, UNDER THE LAWS OF THE STATE OF MARYLAND, REG. NO. 21257, EXPIRATION DATE: 06-16-2021