



Bureau of Environmental Health
 8930 Stanford Boulevard, Columbia, MD 21045
 Main: 410-313-2640 | Fax: 410-313-2648
 TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org
 Facebook: www.facebook.com/hocohealth

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 7/28/17 **ONSITE SEWAGE DISPOSAL SYSTEM** P 561473
 APPROVAL DATE: 8/24/17 **PERMIT: CONSTRUCTION** A _____
 PROPERTY ADDRESS: 5054 GAITHER'S CHANCE DRIVE, CLARKSVILLE, MD 21029
 SUBDIVISION: GATHER'S CHANCE LOT: 9 TAX ID: 05-598955
 CONTRACTOR: Matfield's Equipment EMAIL: _____
 CONTRACTOR ADDRESS: P.O. Box 519 / Annapolis Junction, MD 20701 PHONE: 410-984-0047
 PROPERTY OWNER: MB GAITHERS CHANCE LLC EMAIL: MQUINT@MITCHELLBEST.COM
 OWNER ADDRESS: 1686 E GUDE DR., ROCKVILLE, MD 20850 PHONE: 443-691-4201

SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: BABYLON
 PUMP MODEL: _____ PUMP SIZE: _____ PUMP TANK CAPACITY: _____

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 1.2

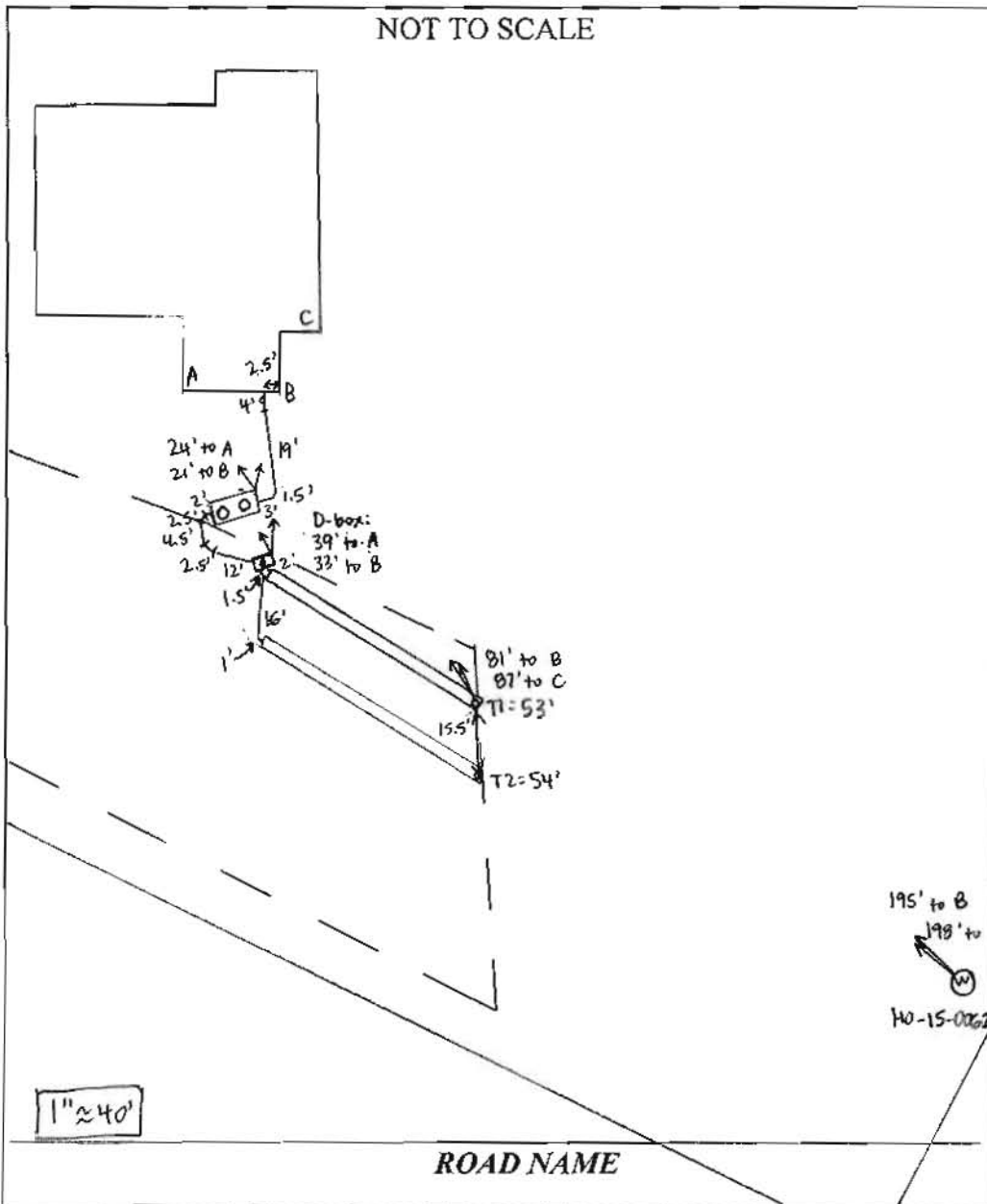
TRENCHES:	LINEAR FEET REQUIRED: <u>105</u>	INLET DEPTH: <u>2.5 3'</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>6.5 7'</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>11</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>2.5</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:		

ISSUED BY: Robert Bricker ISSUE DATE: 7/28/17 EXPIRATION DATE: 7/28/18

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM
 ELECTRICAL PERMIT ISSUED E N.A.
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

**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 410-313-1771 TO SCHEDULE INSPECTIONS.**

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	7'
NUMBER OF TRENCHES	2	
TOTAL LENGTH	107'	
ABSORPTION AREA	321' + SIDEWALL	
DISTRIBUTION BOX LEVEL	YES	
DISTRIBUTION BOX BAFFLE	YES	
DISTRIBUTION BOX PORT	YES	

SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	YES
MANUFACTURER	BABYLON
CAPACITY	2000 GAL
SEAM LOC	TOP
TANK LID DEPTH	0.5-1'
BAFFLES	YES
BAFFLE FILTER	NO
MANHOLE LOC	FRONT + REAR
6" PORT LOC	NONE
WATERTIGHT TEST	NO
SLOTTED	YES
DATE ON LID	7-1-17
PUMP/SEPTIC TANK LEVEL	
MANUFACTURER	
CAPACITY GAL	
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

PRE-CONSTRUCTION:

8/10/17 Met Hatfield's on site for layout. Tank, SDA corners, and 3x35' trenches staked. Shot contour + extended two trenches on W side of SDA to 53', pulled stakes from T2. Angle tank to put D-box in center of upper SDA line. Use transit while digging b/c start of T1 is 5" lower than end. (SC)

INSTALLATION: 8/23/17 Hatfield's digging T2 + adding stone and pipe. Not using laser - asked them to start using it and they did. House connection made + tank set. Pipe run from house to D-box. Trench 3' wide, 7' bottom, 2.5' to stone. (SC) 8/24/17 T1 complete + left open for inspection. 3' wide, 2.5' to stone. Levelled speed levelers in D-box. (SC)

FINAL INSPECTOR Sarah Collins DATE OF APPROVAL 8/24/17

FILE INQUIRY NOTES

Marshall Property Subdivision

DATE

RESULTS OF REVIEW FOR FILE

(5027 Ten Oaks Road)

ANY LOT

Design Septic System

Distribution Trenches

as shallow as possible

AND still have at least

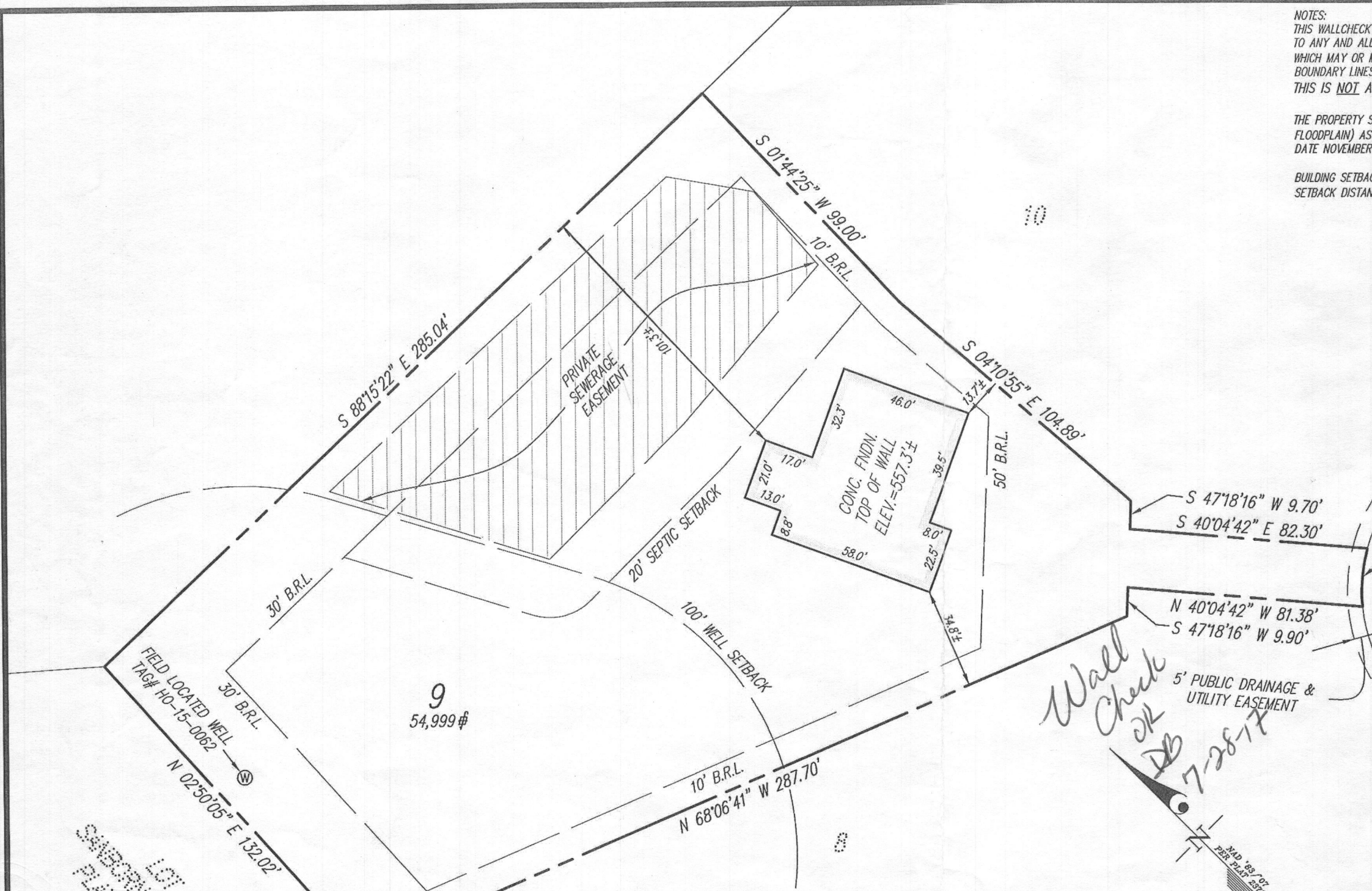
3 drain fields in SDA.

req per Bert

NOTES:
 THIS WALLCHECK WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT. THIS PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS, RIGHTS-OF-WAY, COVENANTS, AND RESTRICTIONS, ETC. OF RECORD, SOME OR ALL OF WHICH MAY OR MAY NOT BE SHOWN AND/OR REFERENCED HEREON. BEARINGS AND DISTANCES OF THE PROPERTY BOUNDARY LINES SHOWN HEREON ARE PER AVAILABLE RECORDS AND HAVE NOT BEEN FIELD VERIFIED. THIS IS NOT A "LOCATION DRAWING" AND IS NOT TO BE USED FOR SETTLEMENT PURPOSES.

THE PROPERTY SHOWN HEREON LIES WITHIN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON THE F.E.M.A. FLOOD INSURANCE RATE MAP, MAP NUMBER 24027C0130D, EFFECTIVE DATE NOVEMBER 6, 2013.

BUILDING SETBACKS (B.R.L.'S) SHOWN HEREON PER PLOT (HOUSE SITING) PLAN/SEDIMENT CONTROL PLAN. SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ± 0.1 FOOT.



GAITHERS CHANCE DRIVE

Wall Check OK
 DB
 7-28-17

SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY TO:
 'MITCHELL & BEST',

THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF,
 THE POSITION OF THE ABOVE REFERENCED BUILDING FOUNDATION
 HAS BEEN ESTABLISHED BY ACCEPTED FIELD PRACTICES.

Thomas C. O'Connor, Jr.
 For Gutschick, Little and Weber, P.A. :

Thomas C. O'Connor, Jr.,
 Professional Land Surveyor, No. 10954 (EXP. DATE: 07/03/2018)

THIS WALLCHECK IS VALID ONLY WITH AN ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE ABOVE SURVEYOR.

GLW GUTSCHICK LITTLE & WEBER, P.A.

CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20866
 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

DES. PREPARED FOR:
 DRN. AR MB GAITHER'S CHANCE, LLC
 CHK. 1686 E. GUDE DRIVE
 ROCKVILLE, MD
 20850

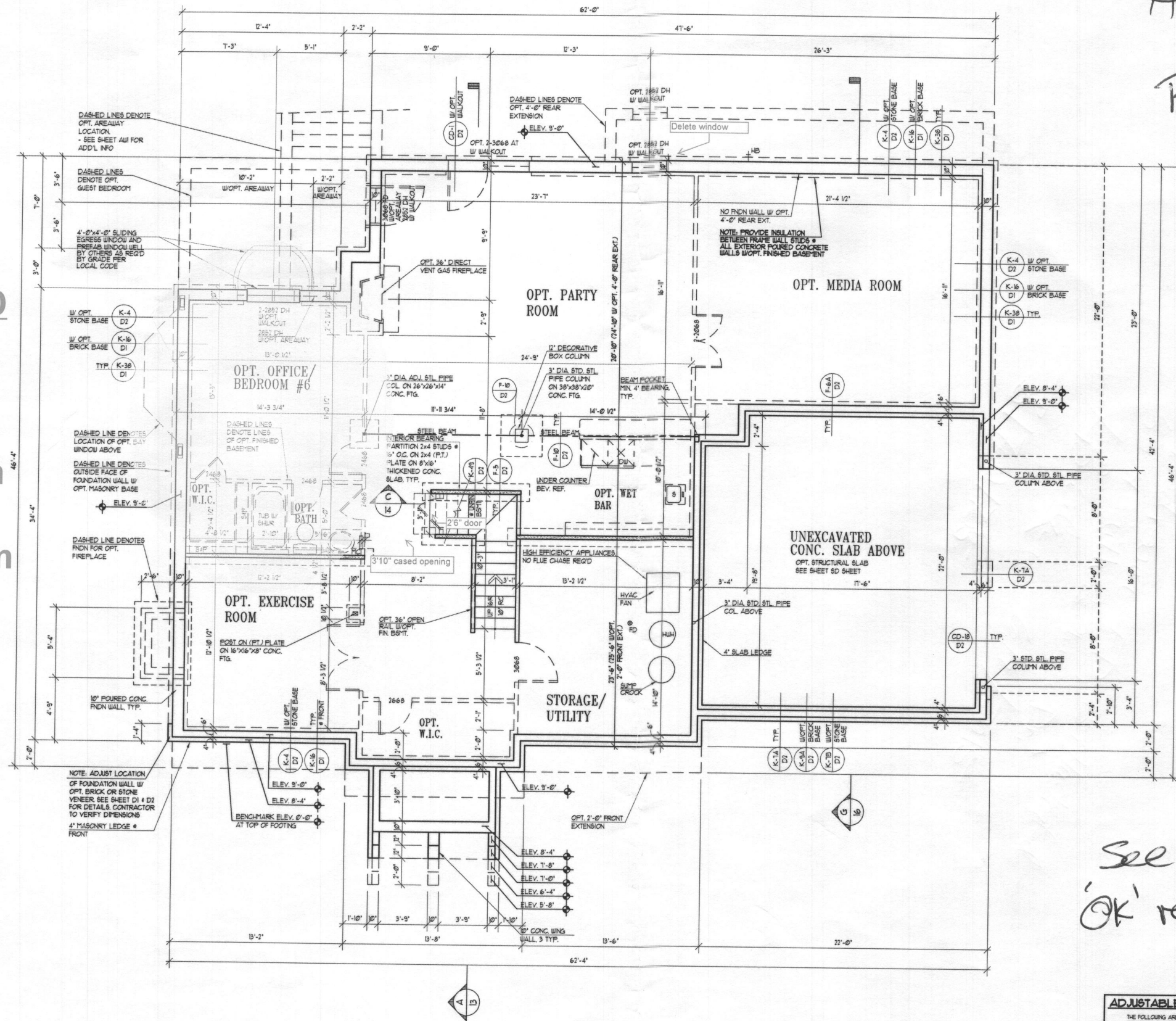
WALLCHECK (SPECIAL PURPOSE SURVEY)		
GAITHER'S CHANCE		
LOT 9		
5054 GAITHERS CHANCE DRIVE		
HOWARD COUNTY, MARYLAND		
DATE OF LATEST FIELD WORK: 07-11-2017	G.L.W. FILE No.	16040
REFERENCE: PLAT BOOK: N/A	PLAT No. 23701	SCALE: 1"=40'

S:\Survey Drawings\WALLCHECK\GAITHERS CHANCE-16040\WCK\WCK-9.dwg, 7/11/2017 3:51:30 PM, edamr, 1:1

Health Copy

B17001785

5054 Gaithers
Chance Drive,
Clarksville, MD
21029 - This
home will be
built with 6
bedrooms. 1 in
basement; 1
Guest bedroom
on main floor,
and 4 upstairs
(See actual
configuration
on page 6 of
the when the
basement
bedroom
combines with
Guest
bedroom)



FOUNDATION/BASEMENT PLAN

W/ELEVATION A
UNLESS OTHERWISE NOTED ALL INTERIOR PARTITIONS TO BE 3/2"
UNLESS OTHERWISE NOTED WINDOW HEAD HEIGHT TO BE 6'-8" AT OS.

1/4"=1'-0"

See page 6
'OK' reB 6/6/17

ADJUSTABLE STEEL COLUMNS
THE FOLLOWING ARE APPROVED 3 GAUGE (800 W/)
ADJUSTABLE STEEL COLUMNS FOR USE AS SPECIFIED AS
"ADJ. STL. COL." IN THESE CONSTRUCTION DRAWINGS.
1) ARCO - TYP ADJUSTABLE COLUMN
ICC-ES REPORT: ESR-1481
2) ARCON - FIXED ADJUSTABLE COLUMNS
ICC-ES REPORT: ESR-1161
3) MARSHALL - EXTEND-O-COLUMN
ATI-ES CODE COMPLIANCE REPORT: CCRN-0148

Date	
AC: 03/07/16 CS	
PS: 05/04/16 CS	
BS: 09/01/16 JR	

Project Number: 18051-07
**ASHBROOKE
MITCHELL BEST HOMES**

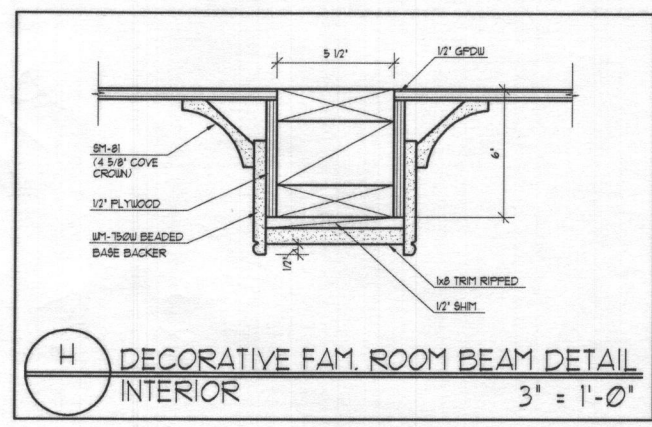
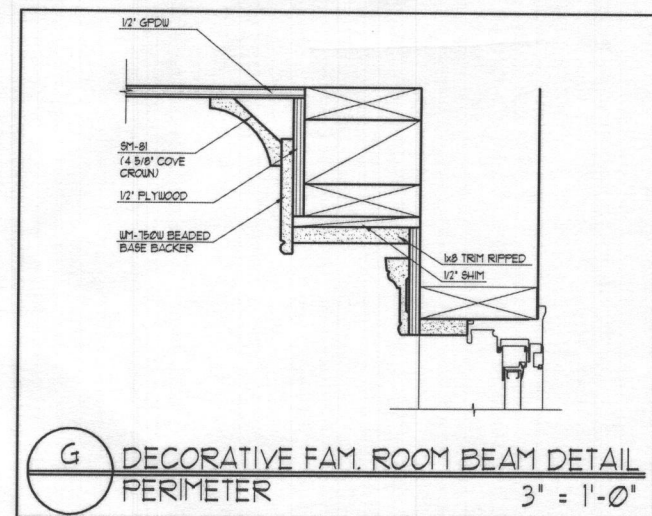
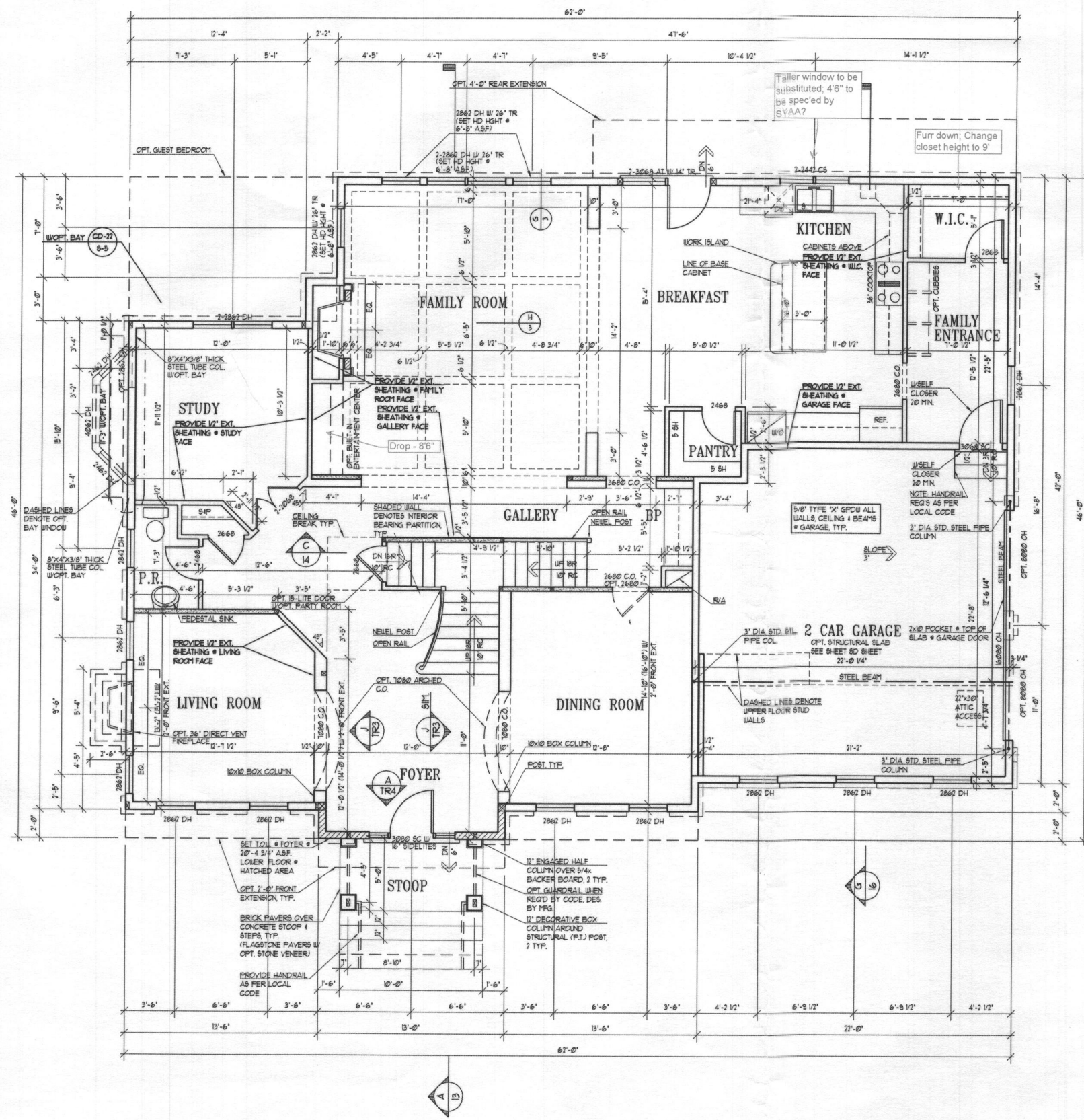
Architect

**SUTTON
YANTIS
ASSOCIATES**



ARCHITECTS
4000 BROADWAY, 10TH FLOOR, SUITE 1010
VIRGINIA, VA 22182. TEL: 703.241.1778
WWW.SYAS.COM

Sheet Number
2



See Page 6
OK' reB 6/6/17

Date	
A.C. 03/07/16 CS	
P.S. 05/06/16 AT	
B.S. 03/01/16 JR	

Project Number: 13051-03

ASHBROOKE
MITCHELL BEST HOMES

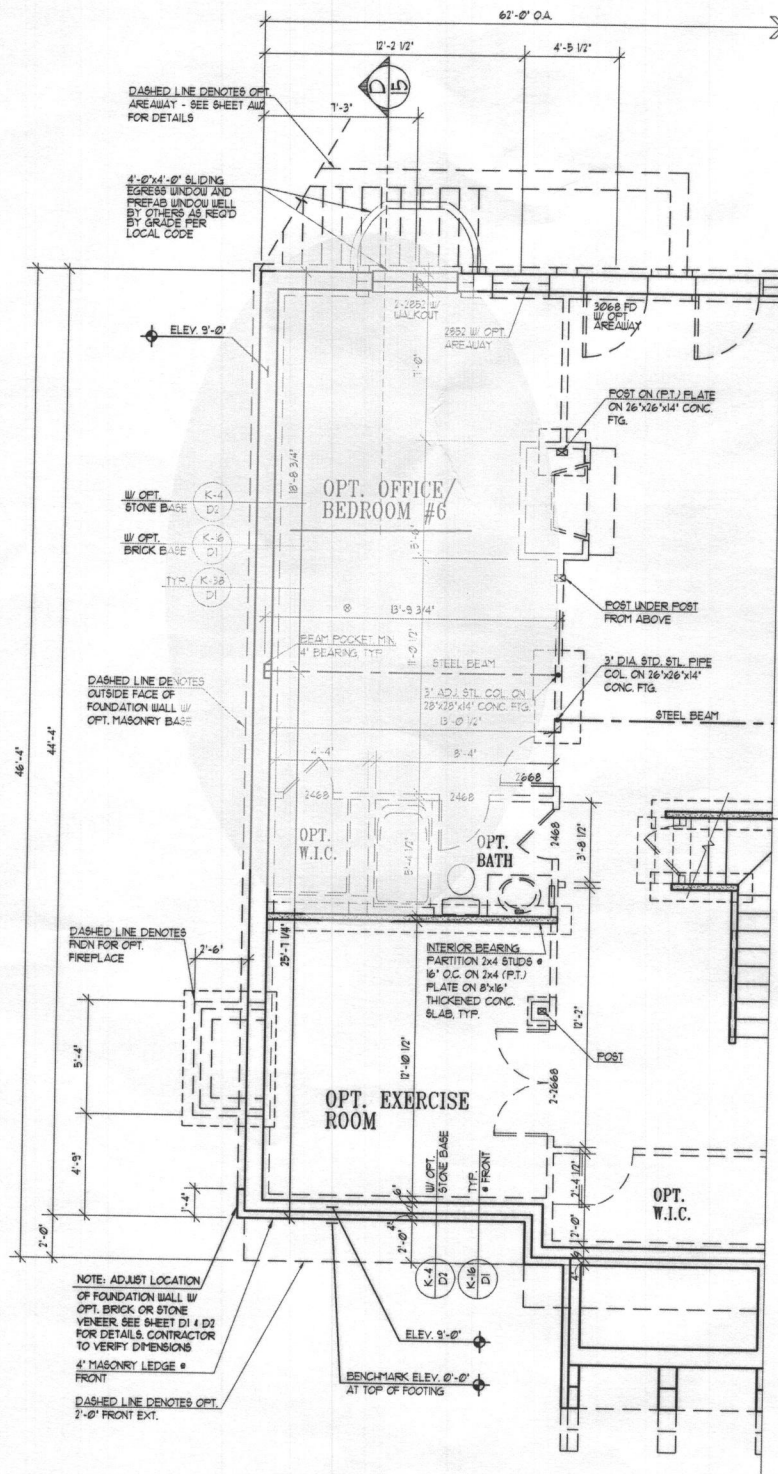
Architect

SUTTON
YANTIS
ASSOCIATES
ARCHITECTS

WWW.SYRBL.COM

Sheet Number

3



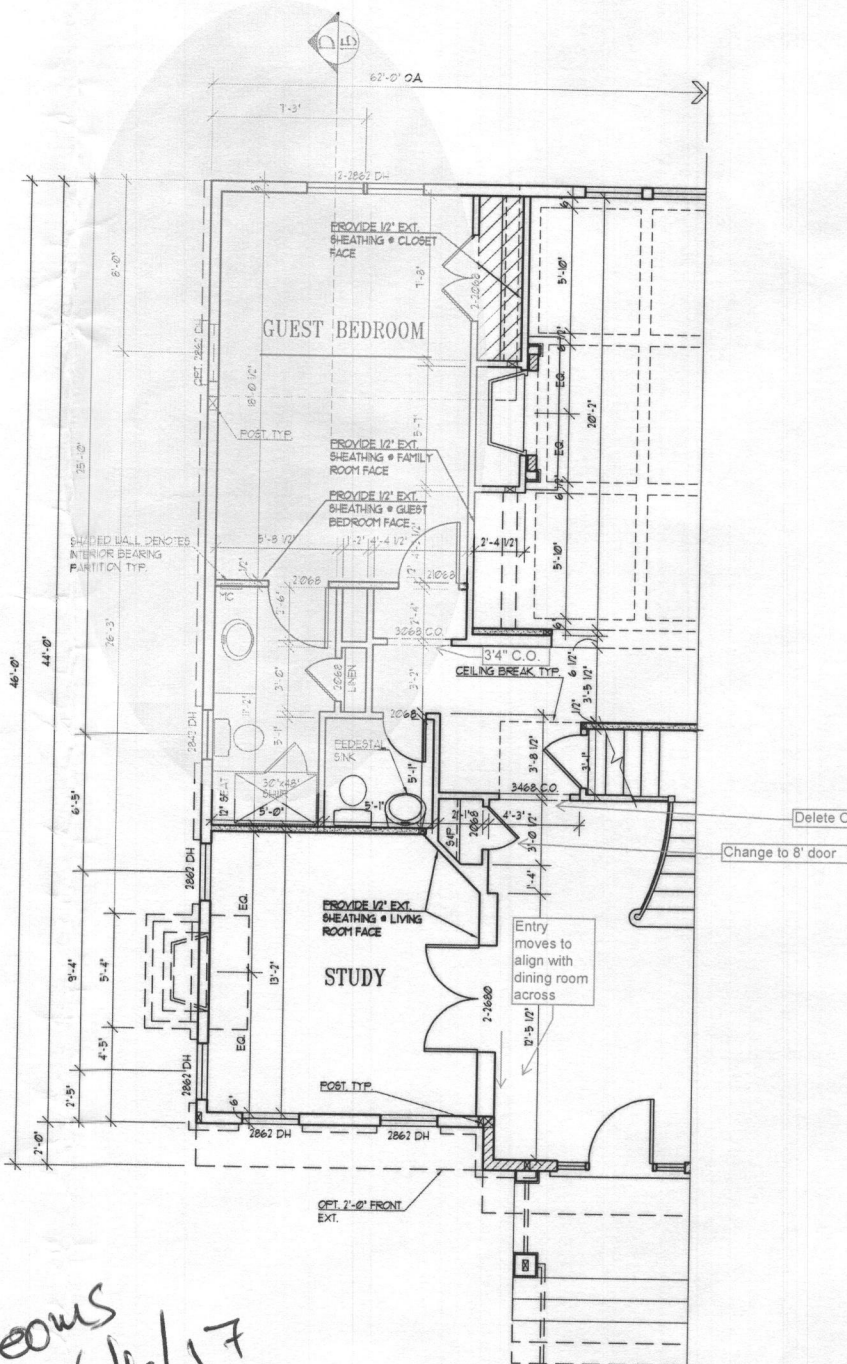
PARTIAL BASEMENT PLAN

W/ OPT. GUEST BEDROOM

1/4"=1'-0"

UNLESS OTHERWISE NOTED ALL INTERIOR PARTITIONS TO BE 3 1/2"
UNLESS OTHERWISE NOTED WINDOW HEAD HEIGHT TO BE 6'-8" AT.O.S.

Selected option



PARTIAL LOWER FLOOR PLAN

W/ OPT. GUEST BEDROOM

1/4"=1'-0"

UNLESS OTHERWISE NOTED ALL INTERIOR PARTITIONS TO BE 3 1/2"
UNLESS OTHERWISE NOTED WINDOW HEAD HEIGHT TO BE 6'-8" AT.O.S.

Selected option

REFER TO STANDARD BSMT/PDN
A LOWER FLOOR PLAN FOR
INFORMATION NOT SHOWN OR
LABELED IN PARTIAL

*2 Bedrooms
OK' RB 6/11/17*

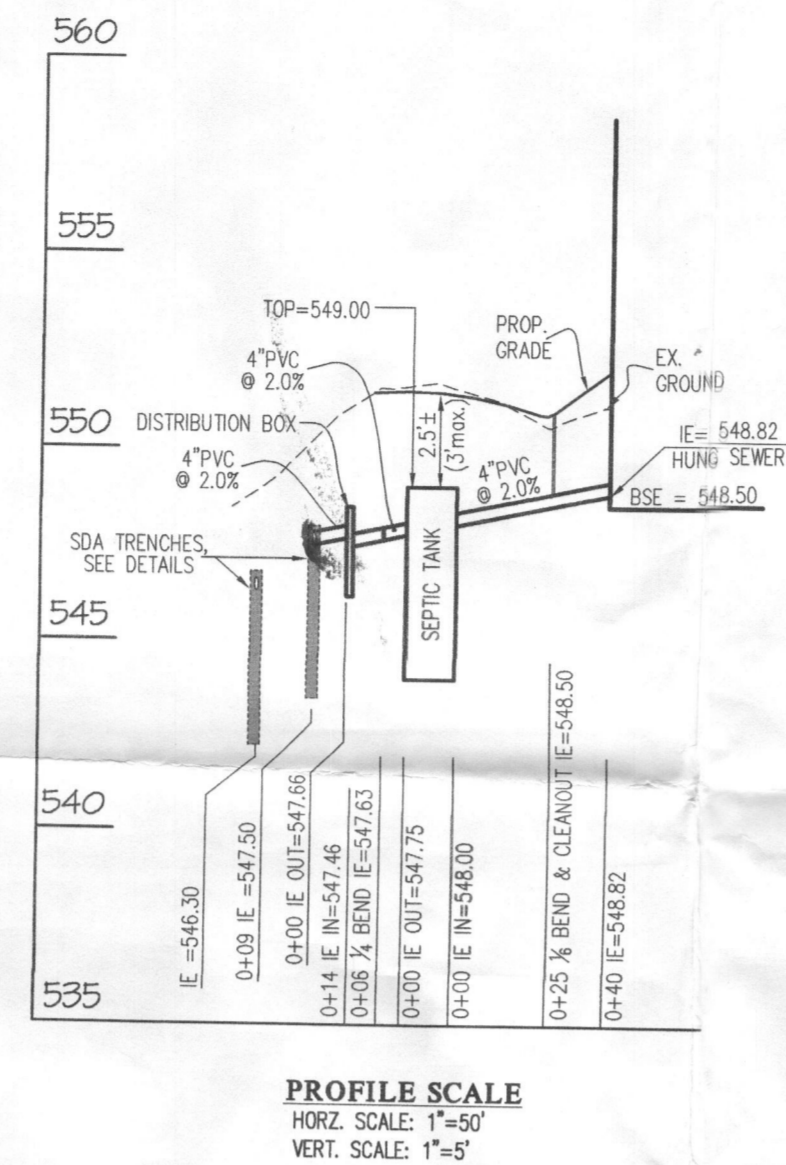
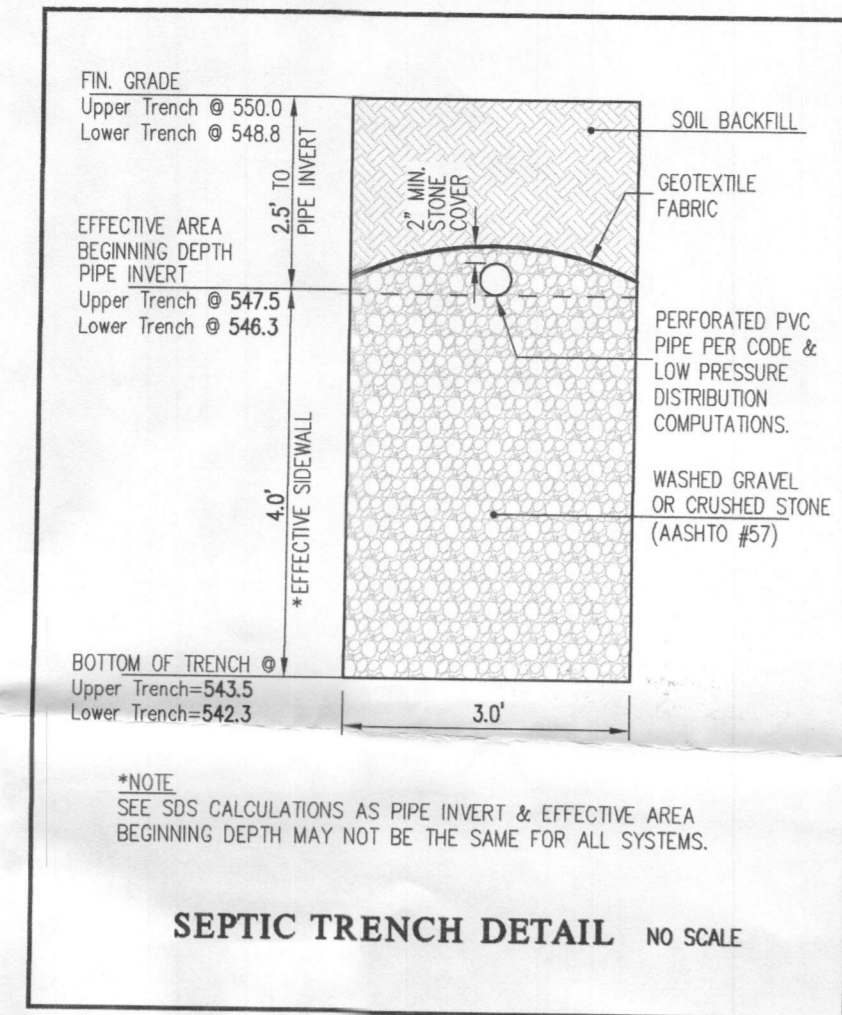
Date	
A.C. 03/07/16 CS	
P.S. 05/04/16 AT	
B.S. 03/07/16 JR	

Project Number: 18031-06
ASHBROOKE MITCHELL BEST HOMES

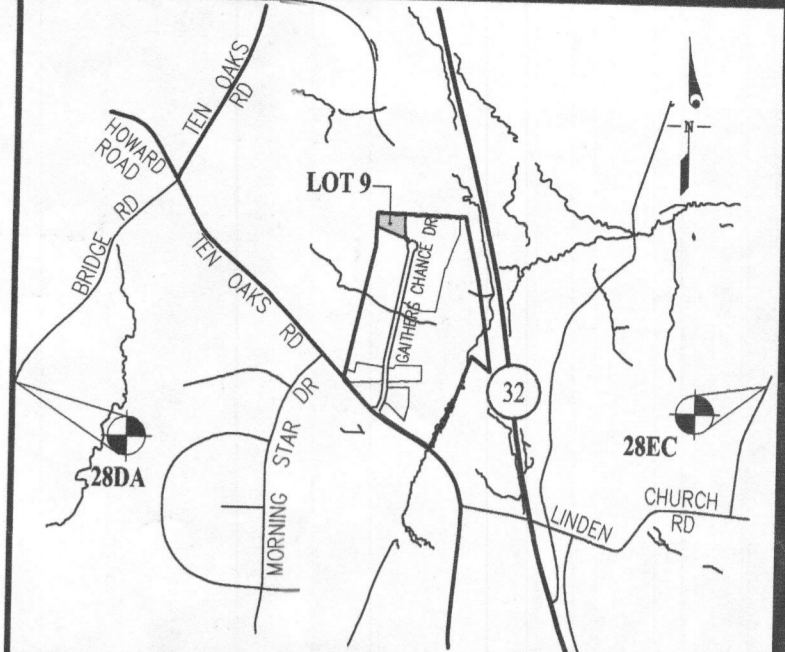
Architect

SUTTON YANTIS ASSOCIATES ARCHITECTS
8090 Rockledge Blvd. Tel: 703.734.9723
Norfolk, VA 23512 Fax: 703.847.9171
WWW.SYABA.COM

Sheet Number
6

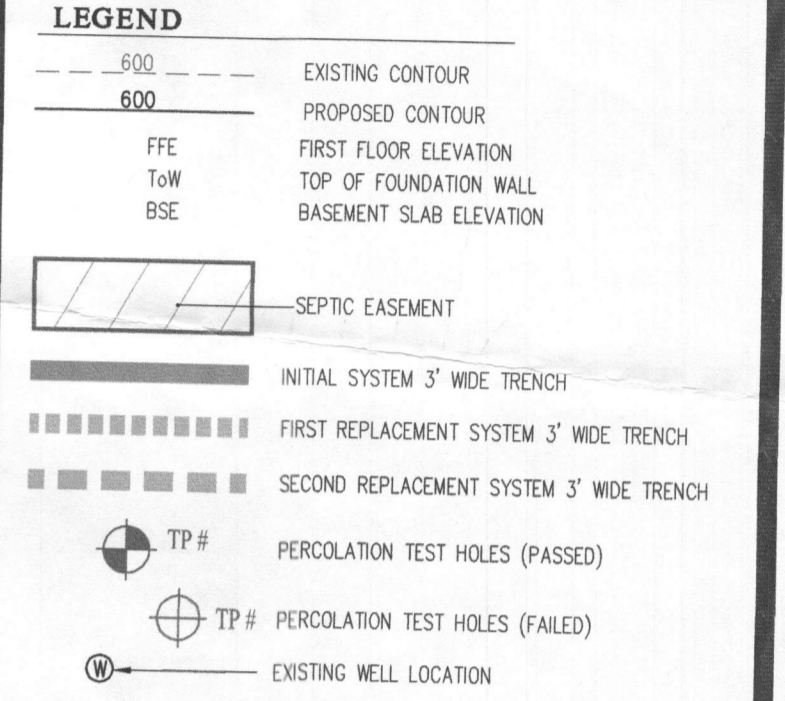


- NOTES:**
1. ANY CHANGE TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
 2. THE MAXIMUM DEPTH OF THE SEPTIC TANK PER THE MANUFACTURER'S SPECIFICATIONS IS 3 FEET.
 3. ANY ELECTRICAL WORK FOR SEPTIC SYSTEM INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.

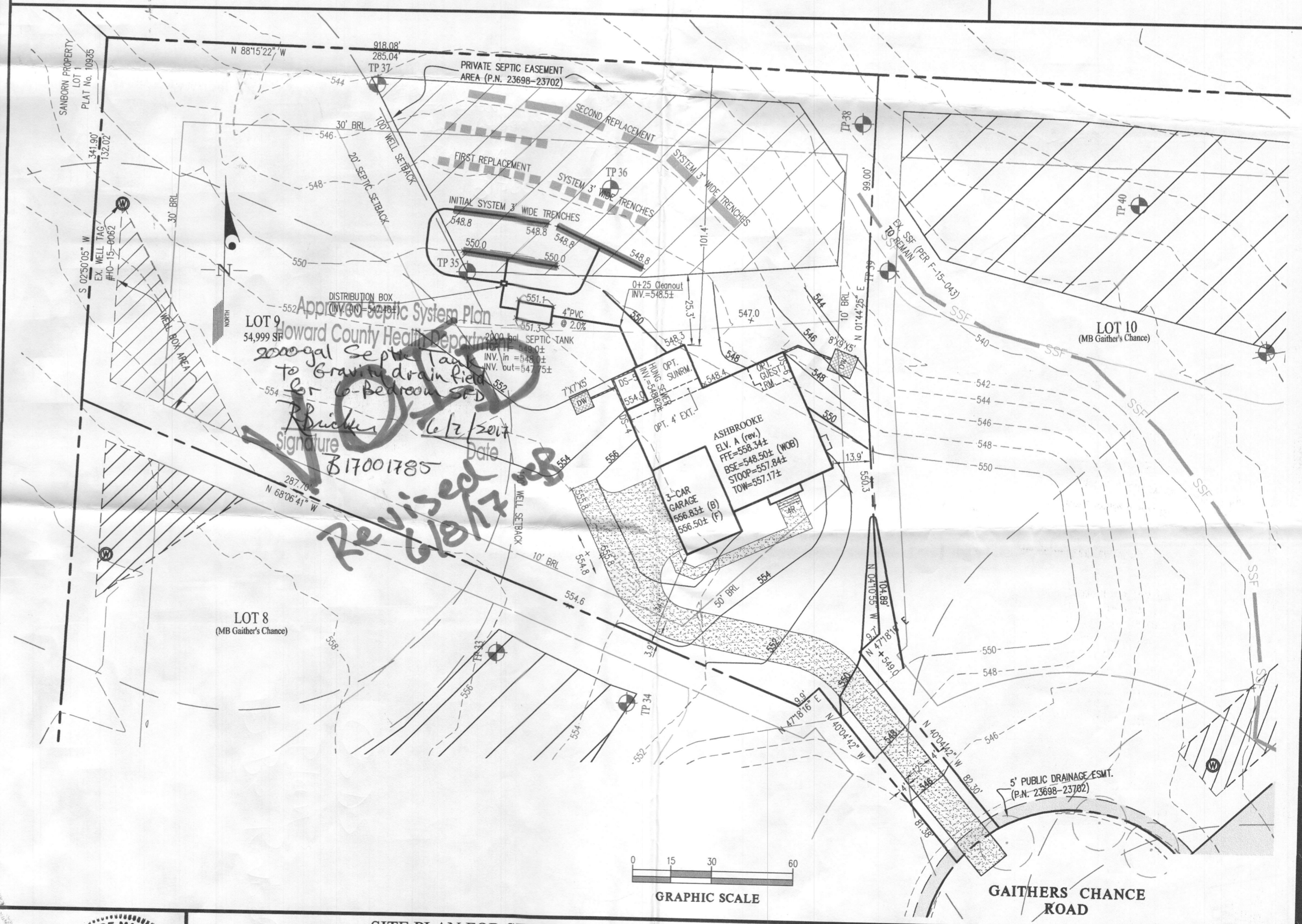
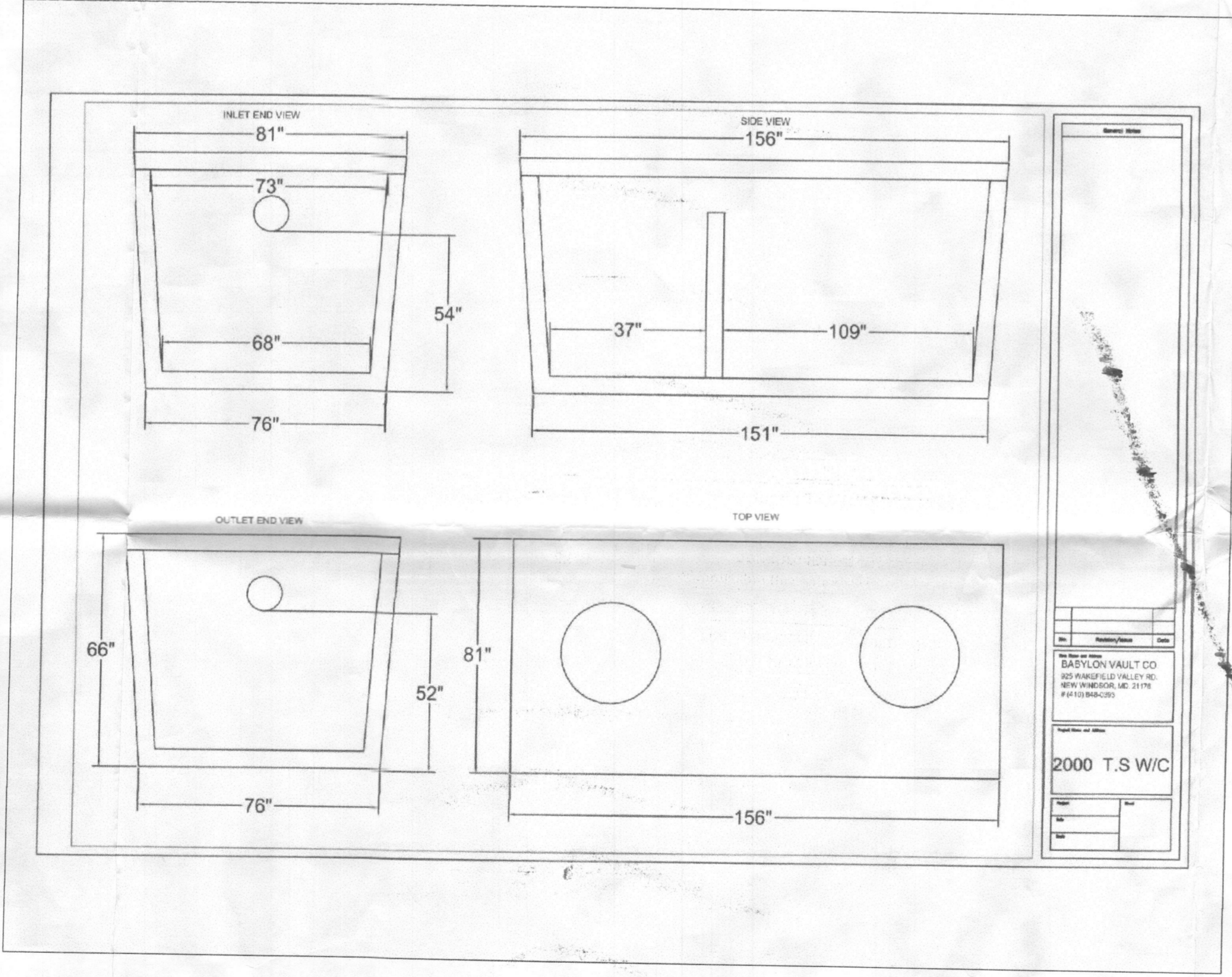


BENCHMARKS

28DA	ELEV. 564.382	N = 570,624,996	E = 1,314,434,172
28EC		N = 570,757,386	E = 1,322,274,727



System Input Information	Lot-9		
	Initial System	First Replacement	Second Replacement
Application Rate	1.2	1.2	1.2
Effective area beginning depth	2.5	2.5	2.0
Effective area maximum bottom depth	6.5	6.0	6.0
Number of Bedrooms	6	6	6
Design flow at 150 gal./day/bedroom	900	900	900
Absorption Trench Calculations			
Drainfield area required (Design flow/application rate)	750 s.f.	750 s.f.	750 s.f.
Effluent pipe depth to invert (cannot exceed 4'. If < 2', then field run top at 1-ft interval is required).	2.5	2.5	2.0
Effective sidewall depth "D" = depth between the effective beginning depth or pipe depth (which ever is deeper) and maximum trench bottom.	4.0	3.5	4.0
Trench Width "W" (2 or 3 feet)	3.0	3.0	3.0
Sidewall Reduction Percent = (W+2)/(W+1+2D)	41.7%	45.5%	41.7%
Linear feet of trench required = (drainfield area x sidewall reduction)/W	104.2	113.6	104.2
Trench Layout Information			
Approximate length available on contour & not exceeding 100-ft	90	90	95
Number of trenches to use	3	3	3
Min. length (linear feet)	34.8	37.9	34.8
Total (linear feet)	104.4	113.7	104.4
Minimum Trench Spacing:			
For trenches with no sidewall credit the spacing is 6' for a 2' wide trench and 9' for a 3' wide trench (measured edge to edge). All trenches utilizing sidewall reduction credit must be spaced a min. of 10' for effective sidewall not over 3.5'. If >3.5', then spacing formula is 2D+W up to a maximum of 18'.	11.0	10.0	11.0
Approx. width of absorption Area	31 ft.		
Approx. drainfield Area (sq. feet)	1,079		

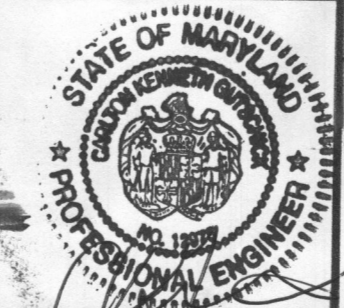


GLW GUTSCHICK LITTLE & WEBER, P.A.
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 BURTONTVILLE, MARYLAND 20868
 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

DES.	DRN.	CHK.	DATE	REVISION	BY	APPR.

PREPARED FOR:
 MB GAITHER'S CHANCE, LLC
 1686 E. GUDE DRIVE
 ROCKVILLE, MARYLAND 20850
 PH: 301-762-9511
 ATTN: MARC QUINT

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12875
 EXPIRATION DATE: MAY 26, 2018
 6/5/17



SITE PLAN FOR SEPTIC SYSTEM INSTALLATION

GAITHER'S CHANCE
 LOT 9 (5054 Gaithers Chance Drive)
 PLAT No. 23701

SCALE	ZONING	G. L. W. FILE No.
1"=30'	RR-DEO	13070
DATE	TAX MAP - GRID	SHEET
APRIL, 2017	28-8,9,14&15	1 OF 1

HOWARD COUNTY, MARYLAND

ELECTION DISTRICT No. 5

