

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: 4/15/19 **ONSITE SEWAGE DISPOSAL SYSTEM** P 565360
 APPROVAL DATE: 07/03/2019 **PERMIT: CONSTRUCTION** A _____
 PROPERTY ADDRESS: 5039 Gaither's Chance Drive
 SUBDIVISION: Gaither's Chance LOT: 16 TAX ID: 05-598962
 CONTRACTOR: South Carroll Backhoe EMAIL: scbackhoe@comcast.net
 CONTRACTOR ADDRESS: 4410 Salem Bottom Road, Westminster, MD 21157 PHONE: 410-596-3618
 PROPERTY OWNER: NVR Inc. EMAIL: _____
 OWNER ADDRESS: 9720 Patuxent Woods Drive, Columbia, MD 21046 PHONE: 301-762-9511
 SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: Babylon
 PUMP MODEL: N/A PUMP SIZE N/A PUMP TANK CAPACITY: N/A

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>104</u>	INLET DEPTH: <u>2</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>5</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>2</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:		

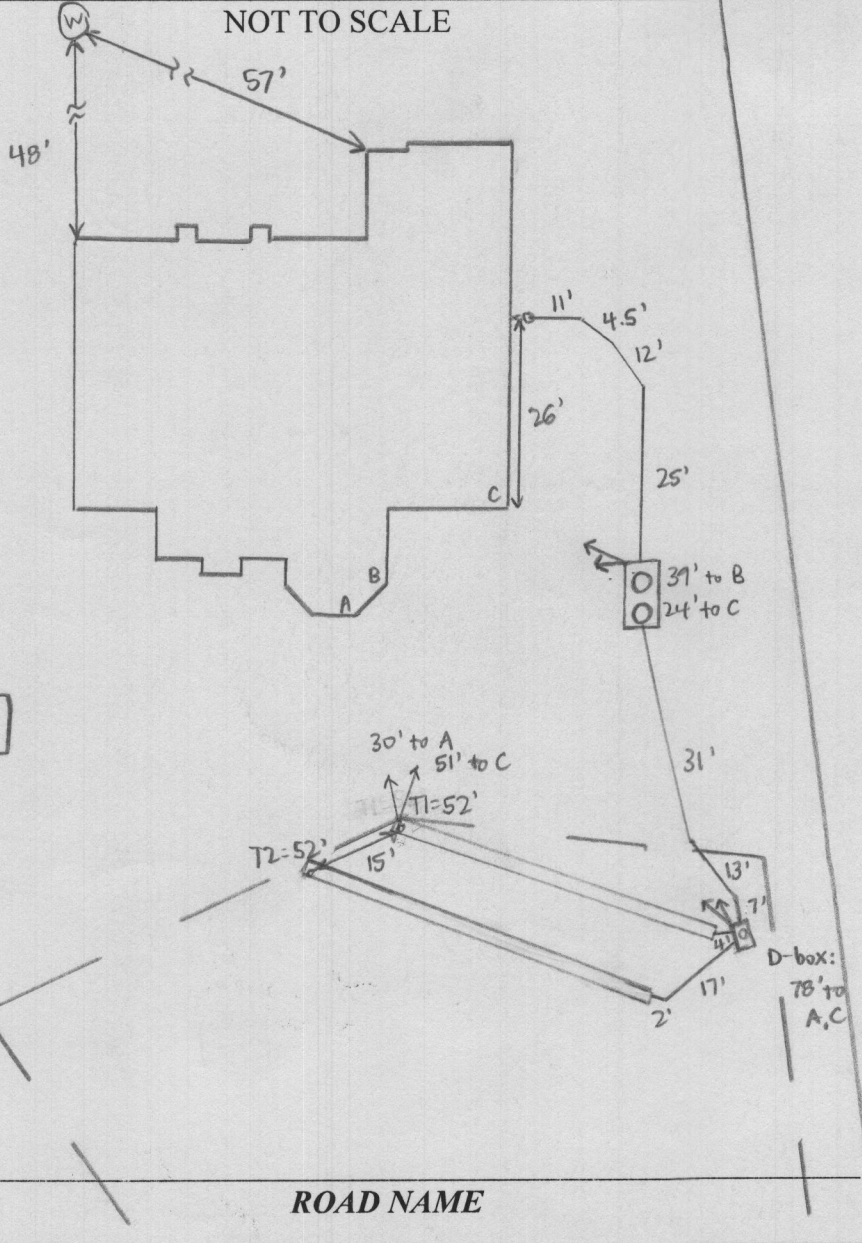
ISSUED BY: Robert Bricker ISSUE DATE: 4/15/19 EXPIRATION DATE: 4/15/20

- 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 DOWNGRAIDENT 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.**

Ho-15-0069

NOT TO SCALE



1" = 30'

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	2'	5'
NUMBER OF TRENCHES		2
TOTAL LENGTH		104'
ABSORPTION AREA		312' + SIDEWALL
DISTRIBUTION BOX LEVEL		YES
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	YES
MANUFACTURER	BABYLON
CAPACITY	2000 GAL
SEAM LOC	TOP
TANK LID DEPTH	1.5 - 2.5'
BAFFLES	YES
BAFFLE FILTER	NO
MANHOLE LOC	FRONT + REAR
6" PORT LOC	NONE
WATERTIGHT TEST	NO
SLOTTED	YES
DATE ON LID	2-21-19

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:

4/16/19 Met S. Carroll on site for layout. SDA corners, trenches, and tank staked. Shot contour and two most N trenches have starts over 6" different than ends. Contour not as shown on plan. Laid out 2x52' trenches to fit in upper SDA (SC)

INSTALLATION:

4/17/19 Tank set. Trenches complete - T2 left open for inspection and T1 left open at ends. 3' wide, 1.5' to stone. Some large rocks hit shallow on T1. (SC) 4/18/19 Pipe laid from house to tank, tank to D-box/trenches. Levelled speed levelers in D-box. Need house connection. (SC) 07/03/2019 CONFIRMED w/ CONTRACTOR THAT SHC WAS INSTALLED. (JD)

FINAL INSPECTOR

Joseph Calahorra

DATE OF APPROVAL

07/03/2019

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

Real Property Data Search

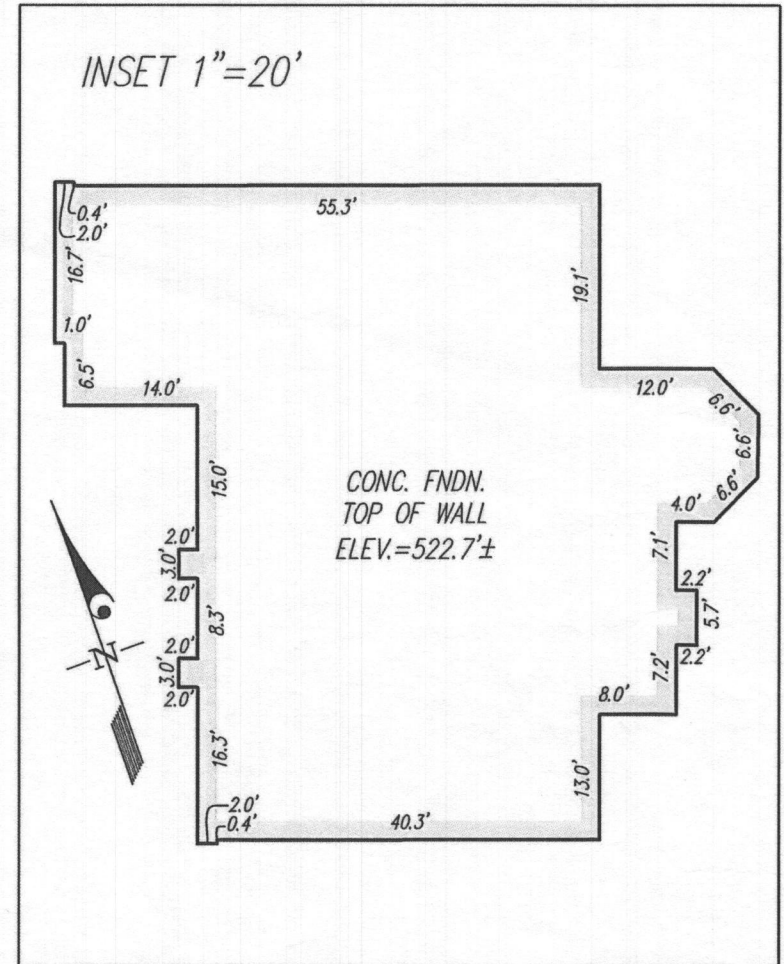
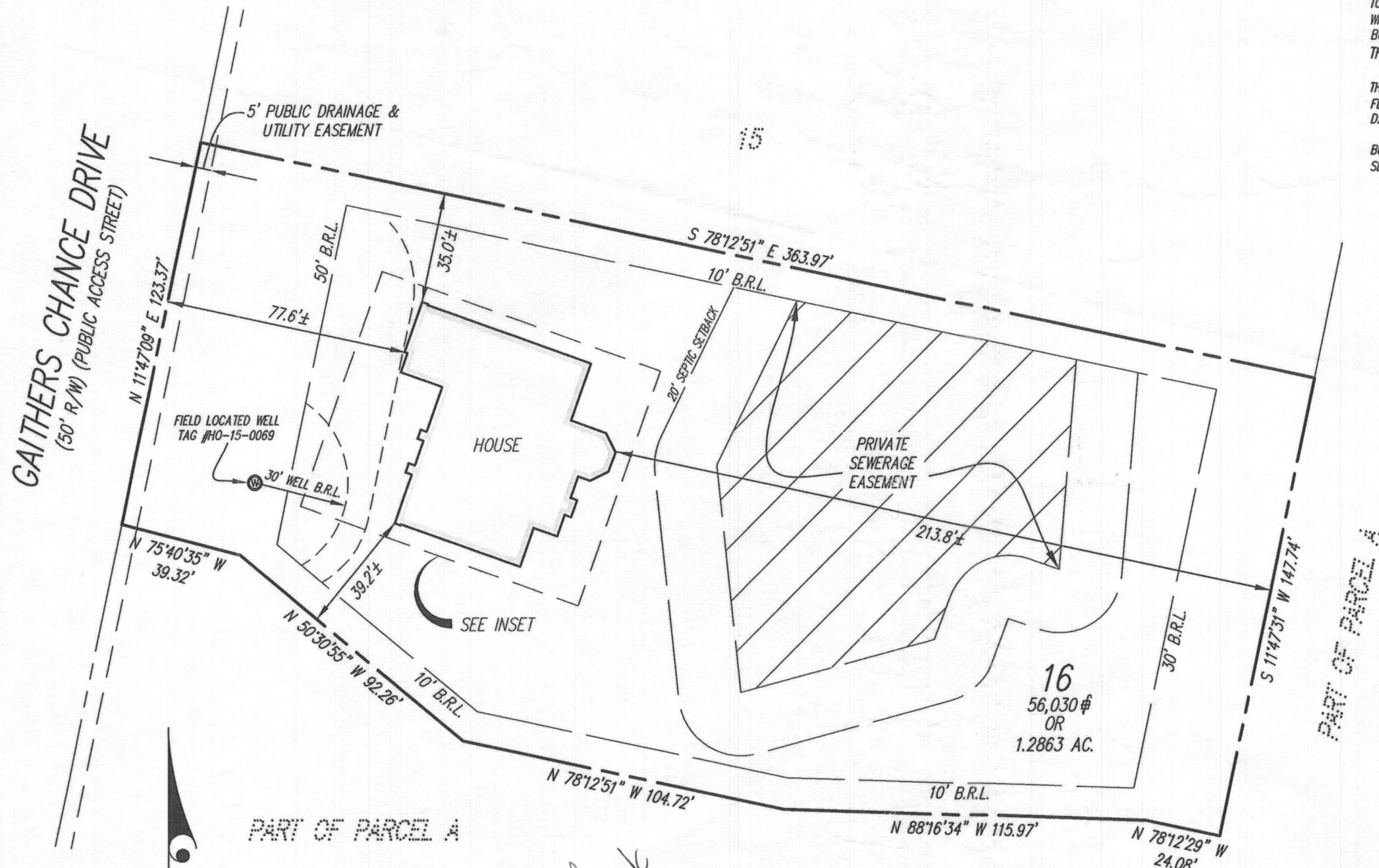
Search Result for HOWARD COUNTY

View Map		View GroundRent Redemption			View GroundRent Registration					
Tax Exempt:		Special Tax Recapture:								
Exempt Class:		NONE								
Account Identifier:		District - 05 Account Number - 598962								
Owner Information										
Owner Name:		MB GAITHERS CHANCE LLC		Use:		RESIDENTIAL				
Mailing Address:		1686 E GUDE DR ROCKVILLE MD 20850-		Principal Residence:		NO				
				Deed Reference:						
Location & Structure Information										
Premises Address:		5039 GAITHERS CHANCE DR CLARKSVILLE 21029-0000		Legal Description:		LOT 16 1.2863 A. 5039 GAITHERS CHANCE DR GAITHERS CHANCE				
Map:	Grid:	Parcel:	Sub District:	Subdivision:	Section:	Block:	Lot:	Assessment Year:	Plat No:	Plat Ref:
0028	0009	0045		3698			16	2017		23698-702
Special Tax Areas:				Town:		NONE				
				Ad Valorem:						
				Tax Class:						
Primary Structure Built		Above Grade Living Area		Finished Basement Area		Property Land Area		County Use		
						1.2863 AC				
Stories	Basement	Type	Exterior	Full/Half Bath	Garage	Last Major Renovation				
Value Information										
			Base Value	Value	Phase-in Assessments					
				As of	As of		As of			
				01/01/2017	07/01/2018		07/01/2019			
Land:			165,300	165,300						
Improvements			0	0						
Total:			165,300	165,300	165,300		165,300			
Preferential Land:			0				0			
Transfer Information										
Seller:		Date:		Price:						
Type:		Deed1:		Deed2:						
Seller:		Date:		Price:						
Type:		Deed1:		Deed2:						
Seller:		Date:		Price:						
Type:		Deed1:		Deed2:						
Exemption Information										
Partial Exempt Assessments:		Class		07/01/2018		07/01/2019				
County:		000		0.00						
State:		000		0.00						
Municipal:		000		0.00 0.00		0.00 0.00				
Tax Exempt:		Special Tax Recapture:								
Exempt Class:		NONE								
Homestead Application Information										
Homestead Application Status: No Application										
Homeowners' Tax Credit Application Information										

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 24027C01300, EFFECTIVE DATE NOVEMBER 6, 2013.

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



Well Check OK DB 4-15-19

SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY TO:
 'NVR, INC.;

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.

[Signature] 3/26/2019
 For Gutschick, Little and Weber, P.A.:
 Thomas C. O'Connor, Jr.,
 Professional Land Surveyor, No. 10954 (EXP. DATE: 07/03/2020)

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

WALLCHECK
 (SPECIAL PURPOSE SURVEY)

GAITHER'S CHANCE

LOT 16

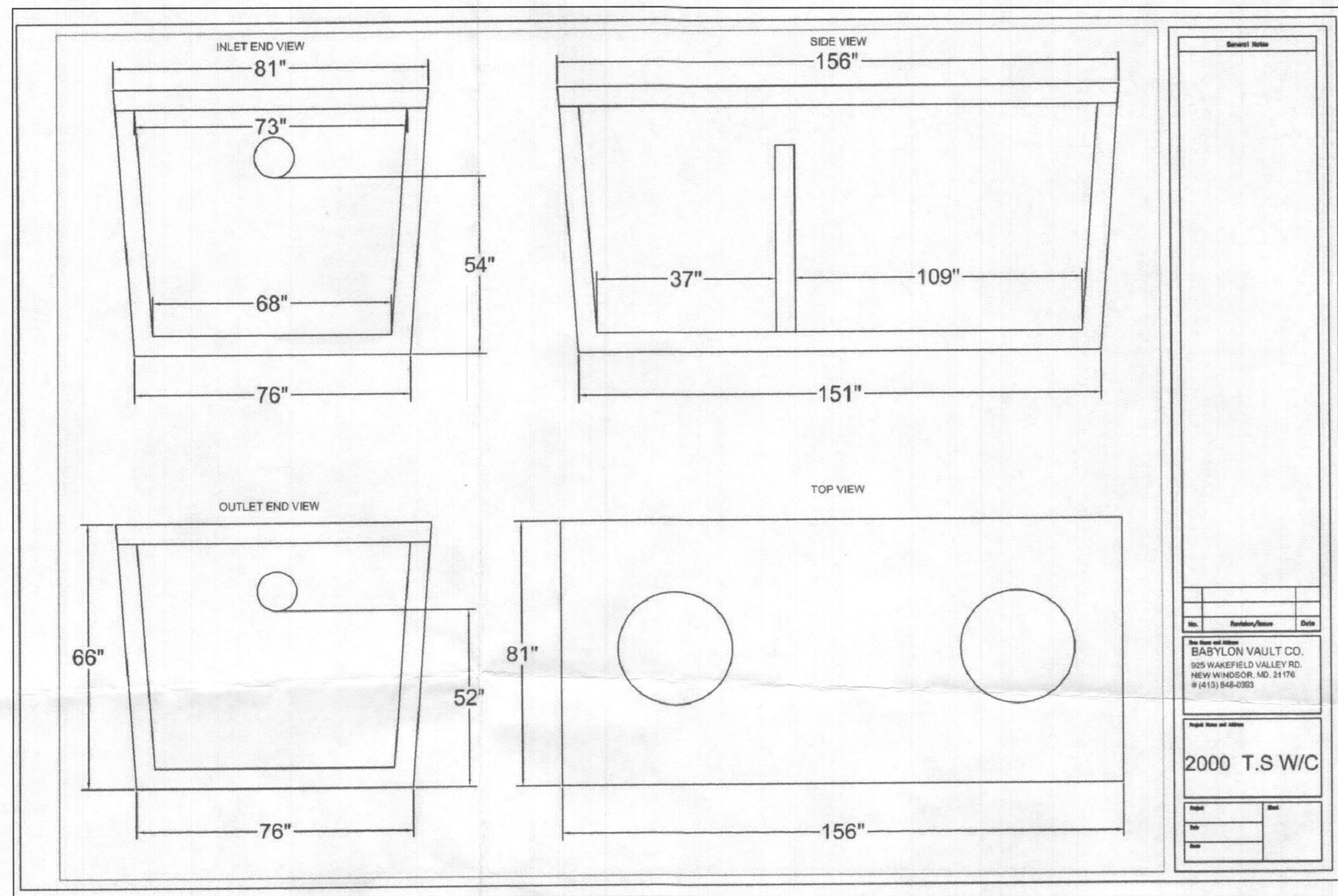
5039 GAITHERS CHANCE DRIVE

HOWARD COUNTY, MARYLAND

DATE OF LATEST FIELD WORK: 3/22/2019	G.L.W. FILE No. 18-065
REFERENCE: PLAT BOOK: N/A	PLAT No. 23700
SCALE: 1"=40'	

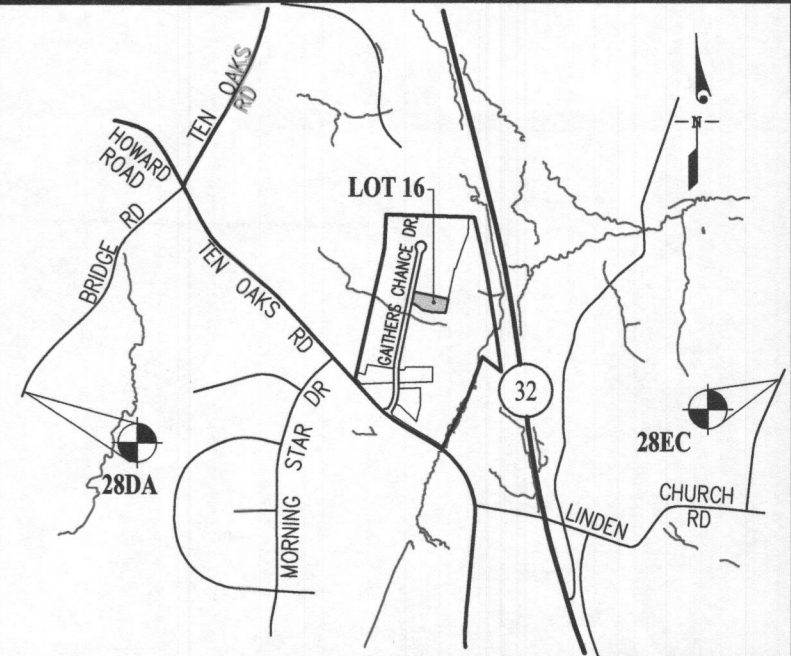


DES.	PREPARED FOR: NVR, INC. 9720 PATUXENT WOODS DRIVE COLUMBIA, MD 21046
DRN. MAB	
CHK.	



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 EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
3. THE EXISTING WELL (TAG #15-0069) HAS BEEN FIELD LOCATED BY G.L.W. (PROFESSIONAL LAND SURVEYORS) AND IS ACCURATELY SHOWN ON THIS PLAN.
4. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.



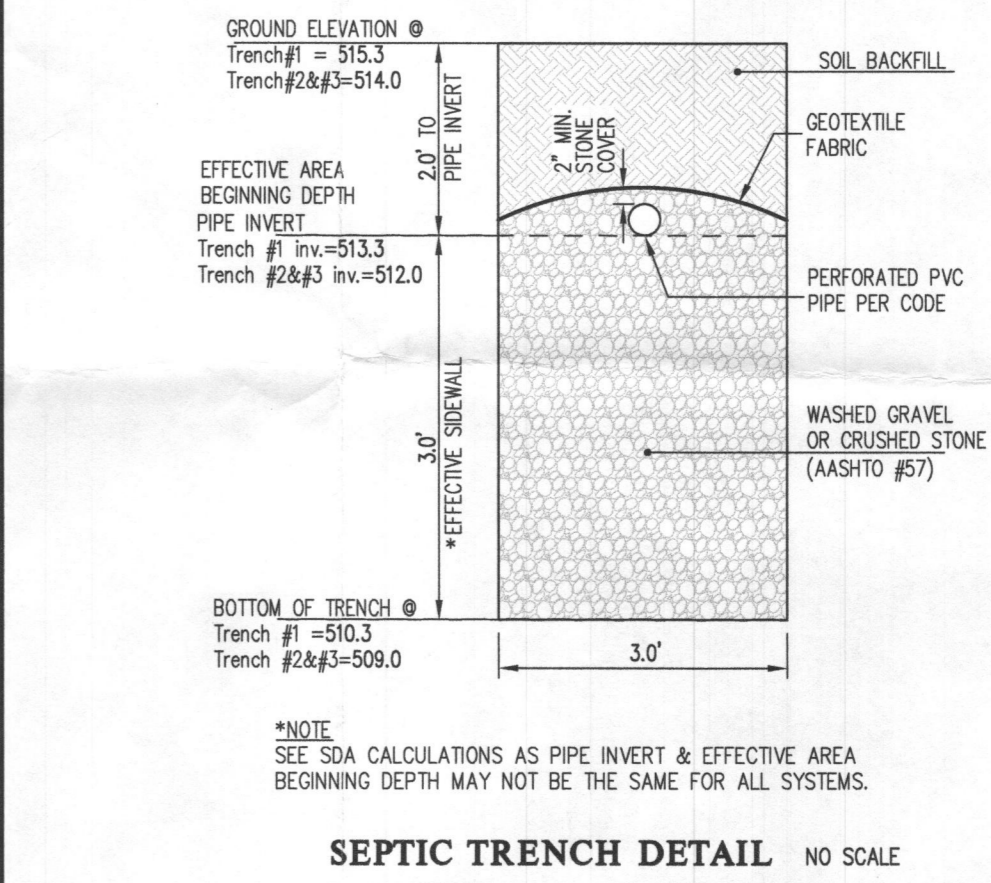
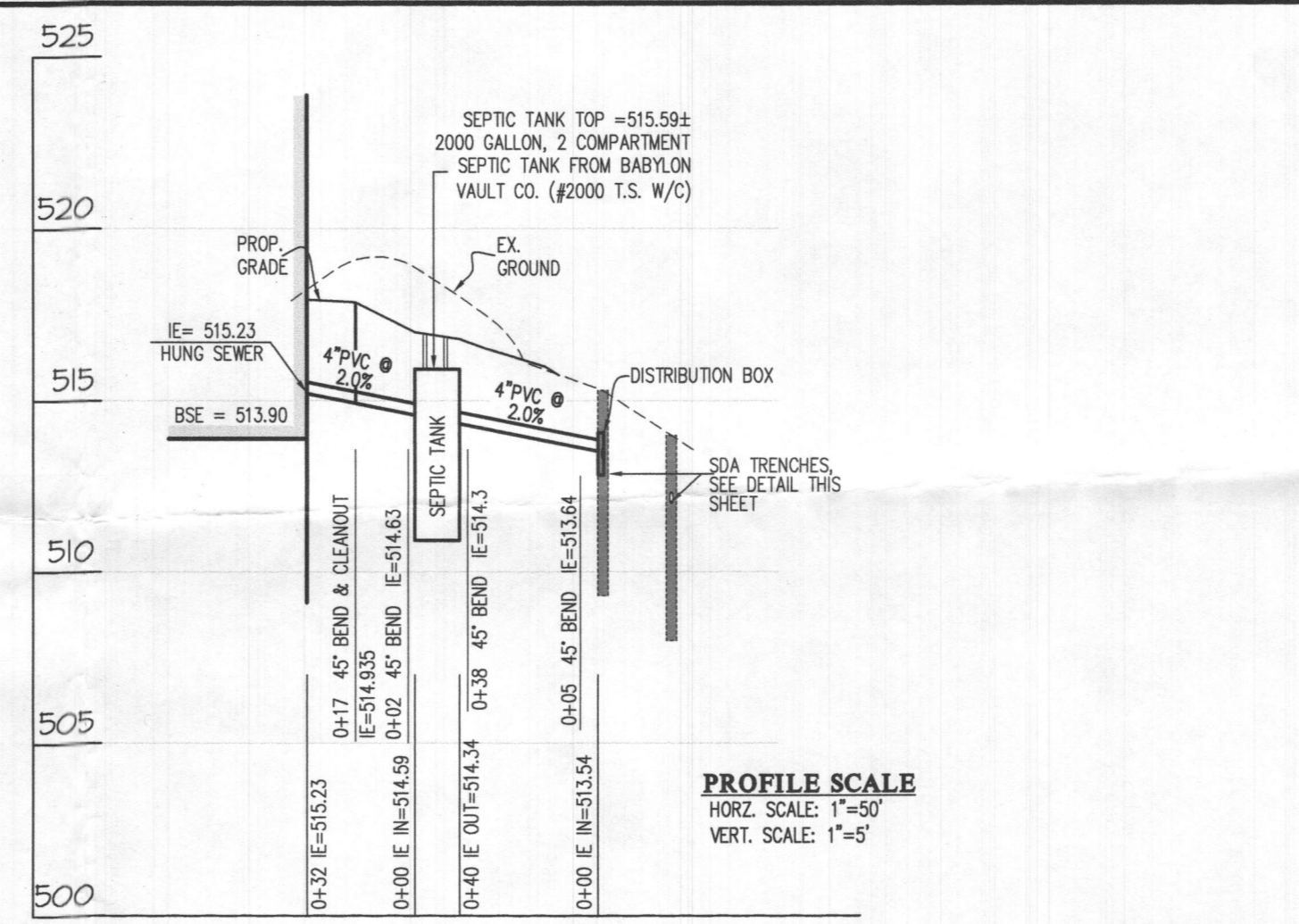
VICINITY MAP
SCALE: 1" = 2,000'
ADC MAP: 24
GRID: E5

BENCHMARKS

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

LEGEND

---	EXISTING CONTOUR
---	PROPOSED CONTOUR
---	FIRST FLOOR ELEVATION
---	TOP OF FOUNDATION WALL
---	BASEMENT SLAB ELEVATION
---	PRIVATE SEWAGE DISPOSAL AREA
TP #	PERCOLATION TEST HOLES (PASSED)
TP #	PERCOLATION TEST HOLES (FAILED)
○	EXISTING WELL LOCATION
---	INITIAL SYSTEM 3' WIDE TRENCH
---	FIRST REPLACEMENT SYSTEM 3' WIDE TRENCH
---	SECOND REPLACEMENT SYSTEM 3' WIDE TRENCH



GAITHER'S CHANCE
SDA Trench Size Calculations (Lot 16)

System Input Information	Initial System	Replacem't System No.1	Replacem't System No.2
Application Rate	1.2	1.2	1.2
Effective area beginning depth	2.0	1.5	2.5
Effective area maximum bottom depth	6, but use 5	5.0	6.0
Number of Bedrooms	5	5	5
Design flow at 150 gal./day/bedroom	750	750	750
Absorption Trench Calculations			
Drainfield area required (Design flow/application rate)	625 s.f.	625 s.f.	625 s.f.
Effluent pipe depth to invert (Cannot exceed 2' if LPD. Cannot exceed 4', if conventional. Field run topo at 1-ft interval is required if depth is less 2'.)	2.0	2.0	2.5
Effective sidewall depth "D" (Depth between the effective beginning depth or pipe depth (which ever is deeper) and maximum trench bottom.)	3.0	3.0	3.5
Trench Width "W" (2 or 3 feet)	3.0	3.0	3.0
SideWall Reduction Percent ((W-2)/(W+2D))	50.00%	50.00%	45.45%
Linear feet of trench required ((drainfield area x sidewall reduction)/W)	104.2	104.2	94.7
Trench Layout Information			
Number of trenches to use	3	3	2
Min. length (linear feet)	34.8	34.8	47.4
Total (linear feet)	104.4	104.4	94.8
Minium 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'.)	10.0	10.0	10.0



Approved Septic System Plan
Howard County Health Department
2000-gal, 2-chamber Septic Tank
and 104 linear feet of Trench
for 5-bedroom SFD
R. Bailey 1/23/19
Signature Date
Gaither's Chance, Lot 16
5039 Gaither's Chance Drive

GLW
PLANNING | ENGINEERING | SURVEYING
3909 NATIONAL DRIVE | SUITE 250 | BURTONSVILLE, MD 20866 | GLWVA.COM
PHONE: 301-421-4024 | BALT: 410-880-1820 | DC&VA: 301-989-2524 | FAX: 301-421-4186

DESIGNED BY:	DATE	REVISION	BY	APPR.
MBT				
DRAWN BY:				
KLP				
CHECKED BY:				
CKG				

PREPARED FOR:
NVR INC.
9720 PATUXENT WOODS DRIVE
COLUMBIA, MARYLAND 21045
PH: 410-379-5956

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. 12975.
EXPIRATION DATE: MAY 26, 2020
1/7/19

ONSITE SEWAGE DISPOSAL DESIGN SYSTEM PLAN

GAITHER'S CHANCE
LOT 16 (5039 Gaithers Chance Drive)
PLAT NO. 23701

SCALE 1" = 30'	ZONING RR-DEO	G. L. W. FILE No. 13070
DATE JAN. 2019	TAX MAP - GRID 28-8,9,14&15	SHEET 1 OF 1