

Bureau of Environmental Health
 7178 Gateway Drive Columbia, MD 21046
 (410) 313-2640 Fax (410) 313-2648
 TDD (410) 313-2323 Toll Free 1-866-313-6300
 website: www.hchealth.org

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

RECEIPT DATE: 12/10/12 **ONSITE SEWAGE DISPOSAL SYSTEM** P 544422-A

INSTALLATION APPROVAL DATE: 8/15/12 **PERMIT** A _____

CONSTRUCTION

PROPERTY ADDRESS: 13558 Mitchells Way

SUBDIVISION: Cloverfield LOT: P/A TAX ID: 03-290832

CONTRACTOR: South Carroll Backhoe, Inc. EMAIL: _____

CONTRACTOR ADDRESS: 4410 Salem Bottom Rd. / Westminster, MD 21157 PHONE: 410-875-4197

PROPERTY OWNER: Cloverfield Pfefferkorn EMAIL: _____

OWNER ADDRESS: 11175 Stratfield Court, Marriottsville, MD 21104 PHONE: 410-442-2211

SEPTIC TANK SIZE (GALLONS): 2000 * system installed pre-BAT regulation house connection completed by

PUMP CHAMBER CAPACITY (GALLONS): 1500 PUMP SIZE: WTC Contractors: 3033 Salem Bottom Rd

NUMBER OF BEDROOMS: 5 HOUSE SQ. FT. >3500 APPLICATION RATE: 1.2 21157

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>156'</u> ✓	INLET DEPTH: <u>4</u> ✓
	TRENCH WIDTH: <u>2</u> ✓	MAXIMUM BOTTOM DEPTH: <u>8</u> ✓
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u> ⓧ	EFFECTIVE AREA BEGINNING DEPTH: <u>5.5</u> ✓
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	Set septic tank about 20' to FCE and 20' downhill from staked location. Set pump tank next to septic tank. Set distribution box at high north corner of SDA. Install 2 x 69' <u>2 x 78'</u> trenches on contour in upper SDA. * Protect septic tank and pump tank with fence after Environmental Sanitarian approves tank set.	

ISSUED BY: Robert Bricker ISSUE DATE: _____ EXPIRATION DATE: 12/10/13

- 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 SEPTIC 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

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

See Seperate sheet
For As-Built

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH INLET BOTTOM

NUMBER OF TRENCHES

TOTAL LENGTH

ABSORPTION AREA

DISTRIBUTION BOX LEVEL

DISTRIBUTION BOX BAFFLE

DISTRIBUTION BOX PORT

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL Level

MANUFACTURER Babylon

CAPACITY 2000 GAL

SEAM LOC Top

TANK LID DEPTH 3'

BAFFLES Yes

BAFFLE FILTER -

MANHOLE LOC Front/Rear

6" PORT LOC none

WATERTIGHT TEST -

SLOTTED Yes

DATE ON LID N/A

PUMP SEPTIC TANK LEVEL Yes

MANUFACTURER Babylon

CAPACITY 1500 GAL

SEAM LOC Top

TANK LID DEPTH 3'

BAFFLES Front

BAFFLE FILTER -

MANHOLE LOC Rear

6" PORT LOC none

WATERTIGHT TEST -

SLOTTED no

DATE ON LID N/A

Pump: 3/4 hp WESTERN Goulds

PRE-CONSTRUCTION:

12/17/13 Ex well on Lot PPA is w/in 200' down gradient of ex SRA for Lot 10. Septic system has been set to meet 200' setback. Install tanks per plan. SRA and tanks staked out. Contour shot. Set Dbox near top middle of SRA. Call for imp. Trench spec's OK (KW)

INSTALLATION:

12/18/13 Top trench being dug. Tanks set. OK to continue. 12/18/13 (late pm) Trenches complete. Need to complete E.M. OK to backfill all work. (KW) 12/19/13 E.M. complete. Need house connection and p/A test when house gets built. (KW) 2/28/17 Sewer house connection complete. Need pump + alarm test - get measurements of tanks + trenches at P+A when house fully built (only foundation now). (SC) 4/5/17 Lower trench observation port cap broken - replace cap. (SC) 8/15/17 Met WTC on site for pump + alarm. Alarm sounds, pump pumps effluent to D-box. Lower trench obs. port cap replaced. (SC)

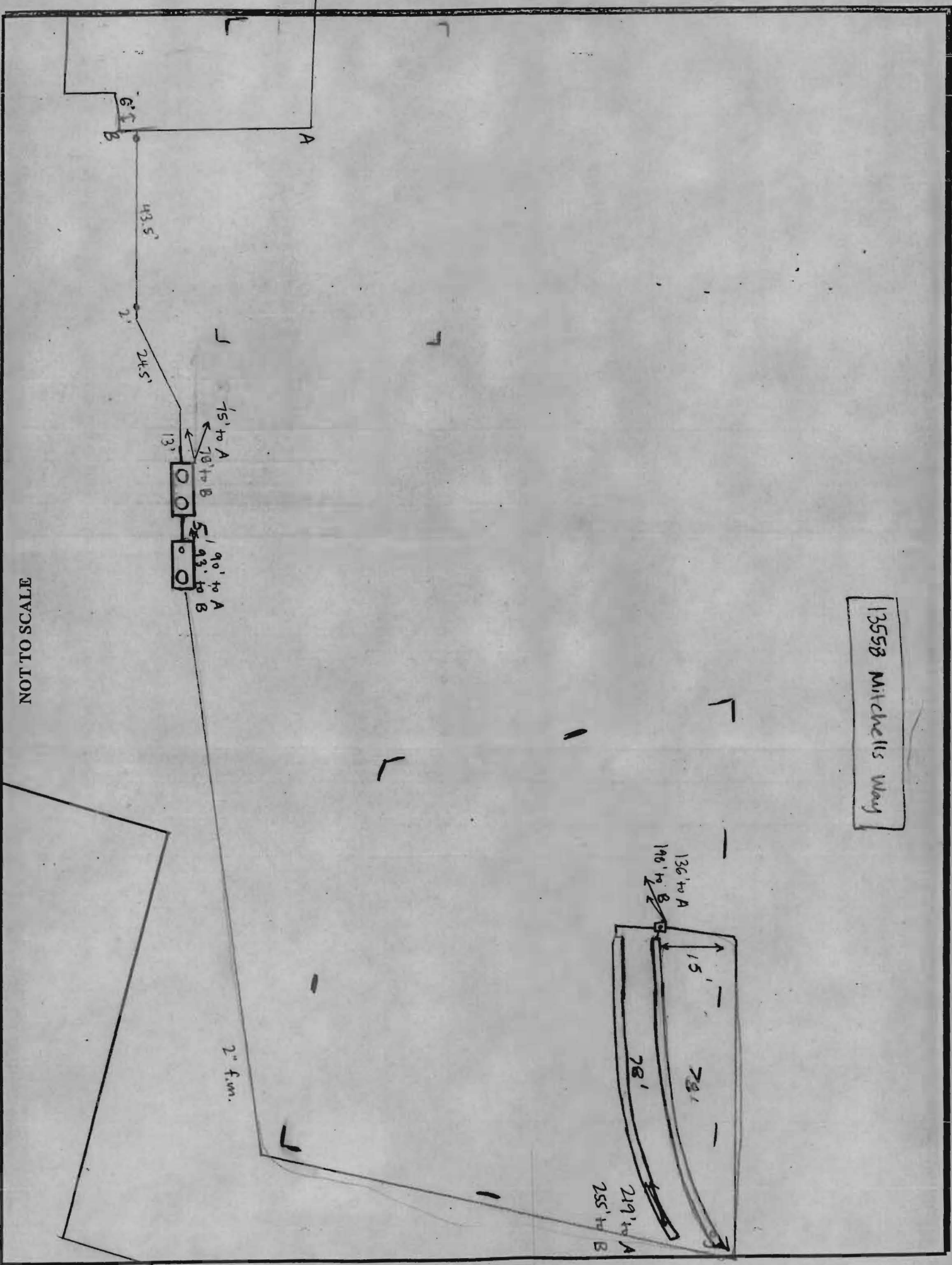
FINAL INSPECTOR

Sarah Collins

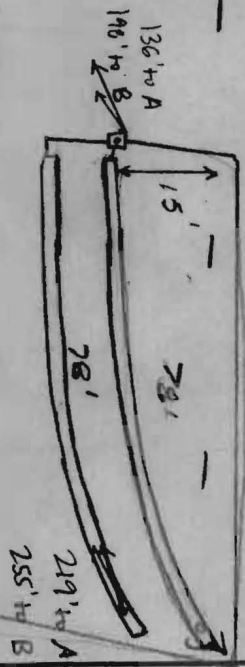
DATE OF APPROVAL

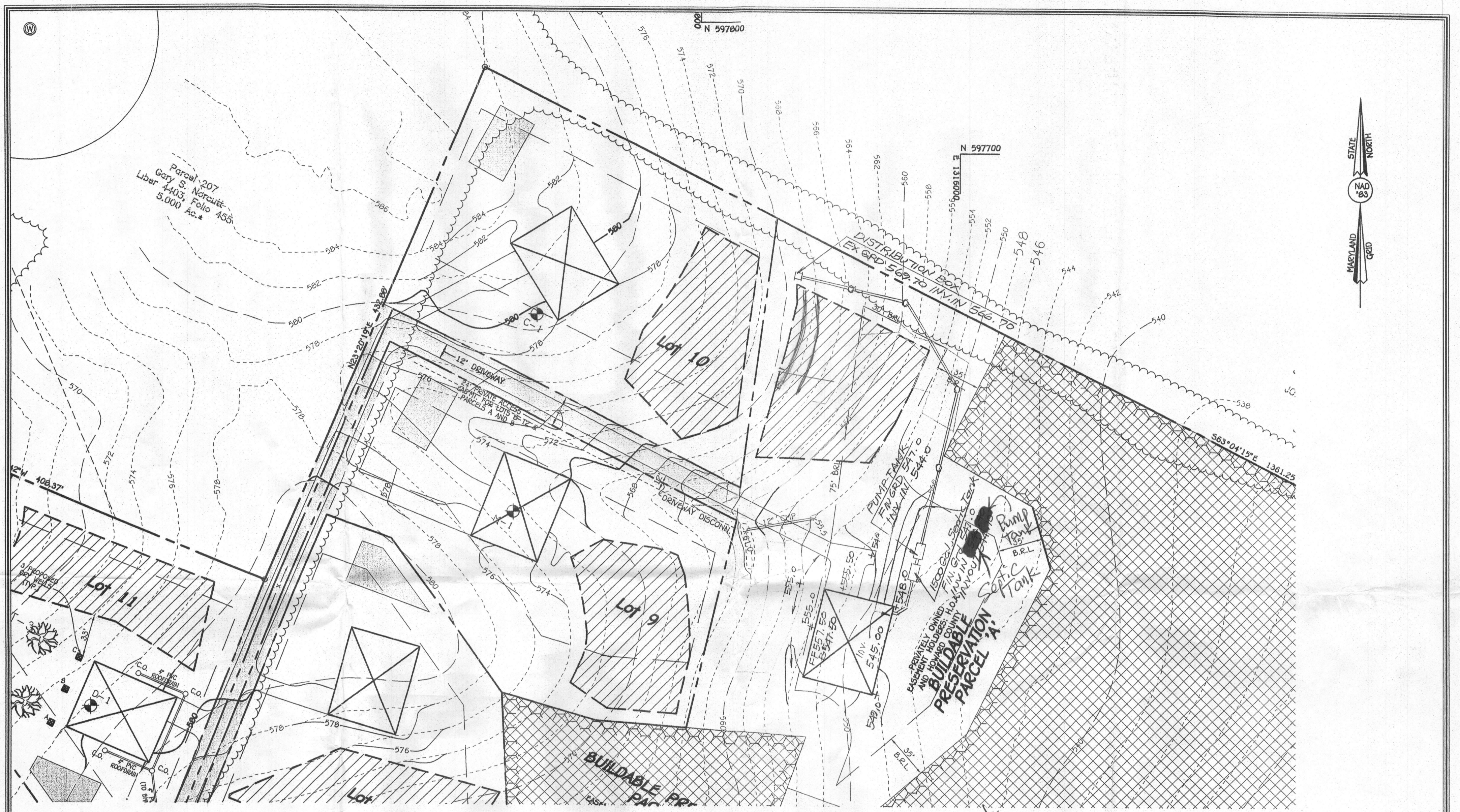
8/15/17

1355B Mitchell's Way



NOT TO SCALE



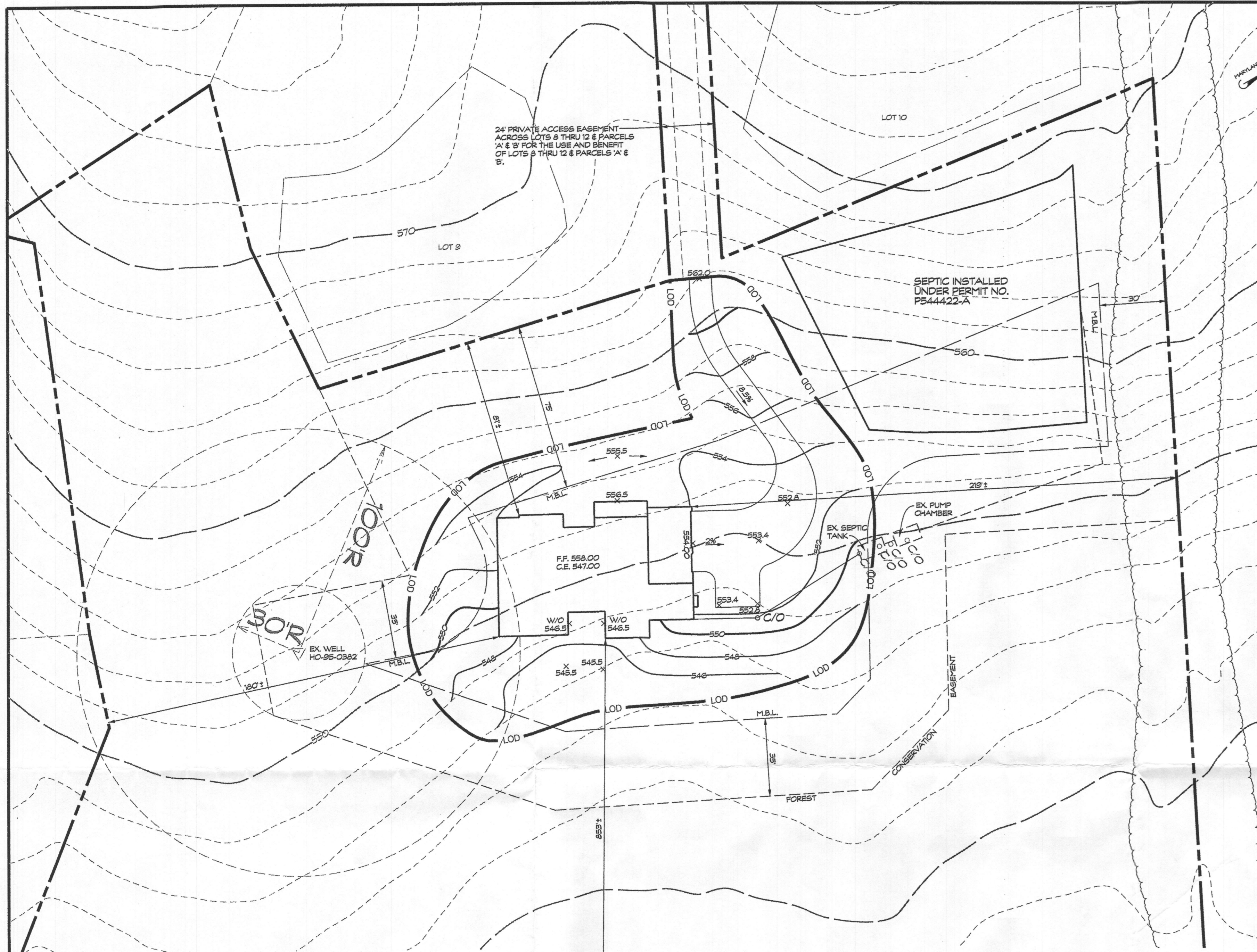


*no cleanouts
in force
main!*

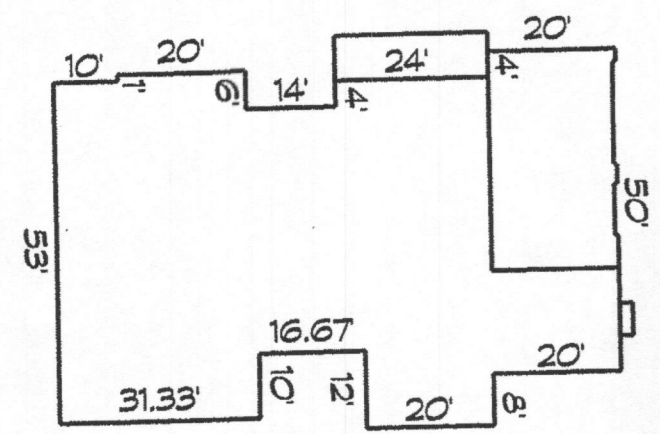
NOTE: The sewer line is to have cleanouts every 70 feet and at all turns.

**BUILDABLE PRESERVATION
PARCEL 'A'**

CLOVERFIELD
ZONED: RC-DEO
TAX MAP No. 15 GRID No. 8 PARCEL No: 4
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
DATE: DECEMBER 13, 2012
SCALE: 1" = 50'
SHEET 1 OF 1



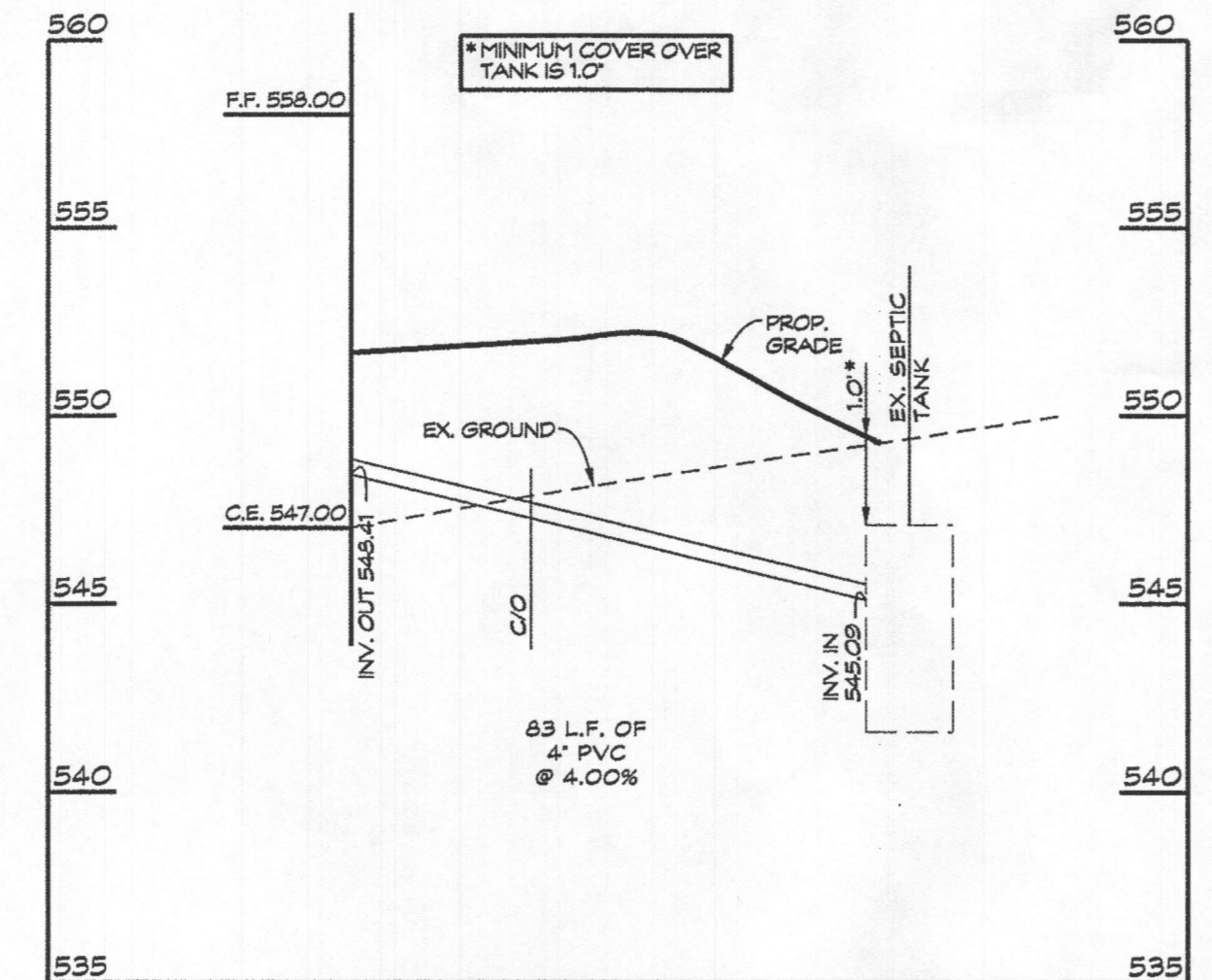
PLAN
SCALE: 1" = 30'



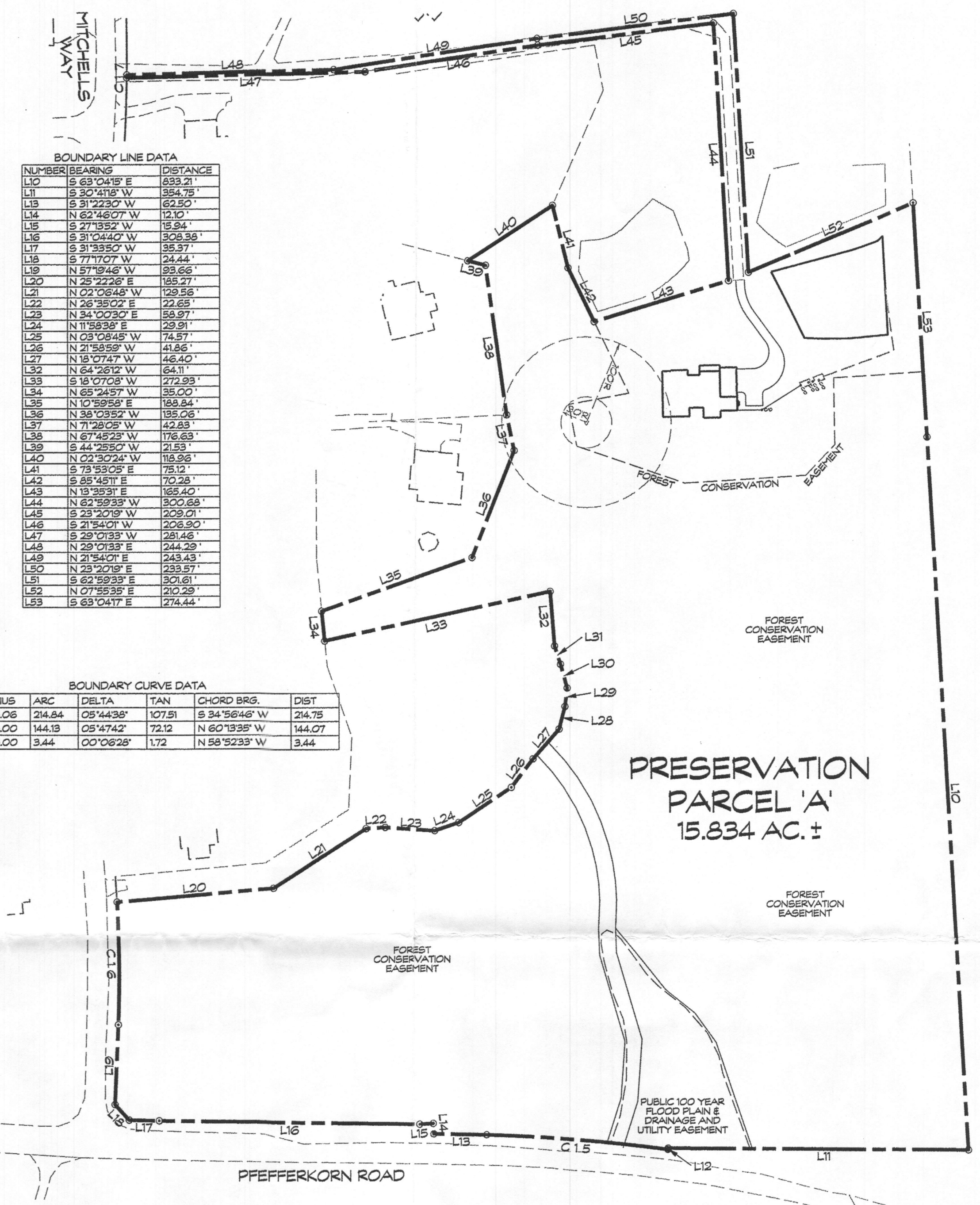
HOUSE PLAN
SCALE: 1" = 50'

HOUSE WILL REQUIRE EJECTOR PUMP FOR BASEMENT SERVICE. THE HOUSE ELEVATION SHOWN HEREON GRAVITY FLOWS TO THE SEPTIC TANK. A PUMP CHAMBER WILL BE REQUIRED. ANY DEVIATION TO GRADES MAY REQUIRE MODIFICATION TO THE EXISTING SYSTEM

LOD DENOTES LIMIT OF DISTURBANCE TOTAL AREA = 26,925 S.F.



SEPTIC LINE PROFILE
SCALE: HORIZ. 1" = 30'
VERT. 1" = 5'



OVERALL LOT SKETCH
SCALE: 1" = 100'

BOUNDARY LINE DATA

NUMBER	BEARING	DISTANCE
L10	S 63°04'15" E	633.21'
L11	S 30°41'18" W	354.75'
L13	S 31°22'30" W	62.50'
L14	N 62°46'07" W	12.10'
L15	S 27°13'52" W	5.84'
L16	S 31°04'40" W	325.38'
L17	S 31°33'50" W	35.37'
L18	S 77°17'07" W	24.44'
L19	N 57°39'46" W	33.66'
L20	N 25°22'38" E	193.77'
L21	N 02°03'48" W	129.58'
L22	N 26°38'02" E	22.65'
L23	N 34°00'30" E	58.97'
L24	N 11°58'36" E	29.91'
L25	N 05°09'45" W	74.57'
L26	N 21°58'52" W	41.85'
L27	N 19°07'47" W	46.40'
L32	N 64°26'12" W	64.11'
L33	S 19°07'08" W	272.93'
L34	N 65°24'57" W	35.00'
L35	N 10°59'58" E	188.84'
L36	N 36°03'52" W	185.06'
L37	N 71°39'02" W	142.83'
L38	N 67°45'23" W	176.63'
L39	S 44°25'50" W	21.63'
L40	N 02°12'24" W	15.95'
L41	S 73°53'05" E	75.12'
L42	S 85°45'11" E	70.28'
L43	N 13°39'33" E	163.40'
L44	N 62°59'33" W	300.68'
L45	S 29°20'39" W	209.07'
L46	S 21°34'07" W	225.30'
L47	S 29°01'33" W	251.48'
L48	N 29°01'33" E	244.23'
L49	N 21°54'07" E	243.43'
L50	N 23°20'19" E	233.57'
L51	S 62°59'33" E	307.61'
L52	N 07°55'35" E	210.29'
L53	S 63°04'17" E	274.44'

BOUNDARY CURVE DATA

NUMBER	RADIUS	ARC	DELTA	TAN	CHORD BRG.	DIST
C15	2143.00	214.84	05°44'38"	107.51	S 34°26'46" W	214.78
C16	1425.00	144.19	05°47'42"	72.12	N 60°13'33" W	144.07
C17	1825.00	3.44	00°06'28"	1.72	N 58°52'33" W	3.44

PRESERVATION PARCEL 'A'
15.834 AC. ±

Approved Septic System Plan
Howard County Health Department
[Signature] 12/29/16
Signature Date
Approved B16005156
R.A.E. 12/29/16

**SITE PLAN
PRESERVATION PARCEL 'A'
CLOVERFIELD- SECTION I**

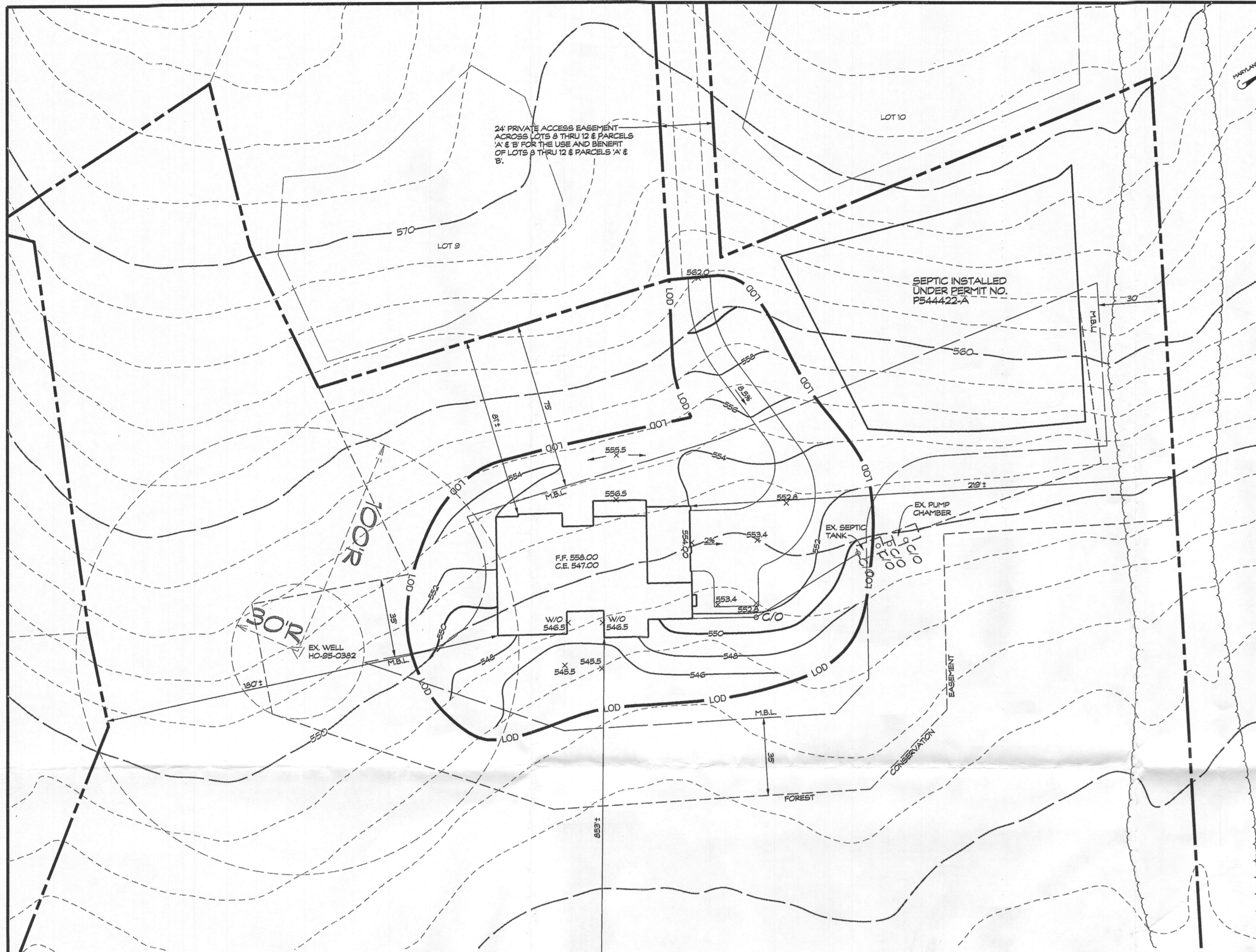
13558 MITCHELLS WAY
3rd ELECTION DISTRICT HOWARD COUNTY, MD.
TAX MAP: 15 BLOCK: 8 PARCEL: 4

[Signature]
Linda D. Alexander
Qualified Professional



439 East Main Street Westminster, MD 21157-5539
(410) 848-1790 FAX (410) 848-1791

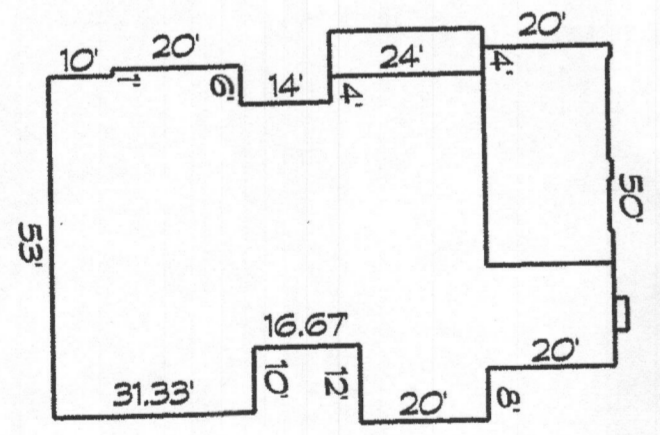
Date	Revisions	Drawn By
12/16/16	REVISED PER HCHD COMMENT LETTER DATED 12/12/16	BM1
		Designed By:
		Reviewed By:
		Date: 11/2/16
		Scale: AS SHOWN
		Job No.: 2013039
		Sheet: 1 OF 1



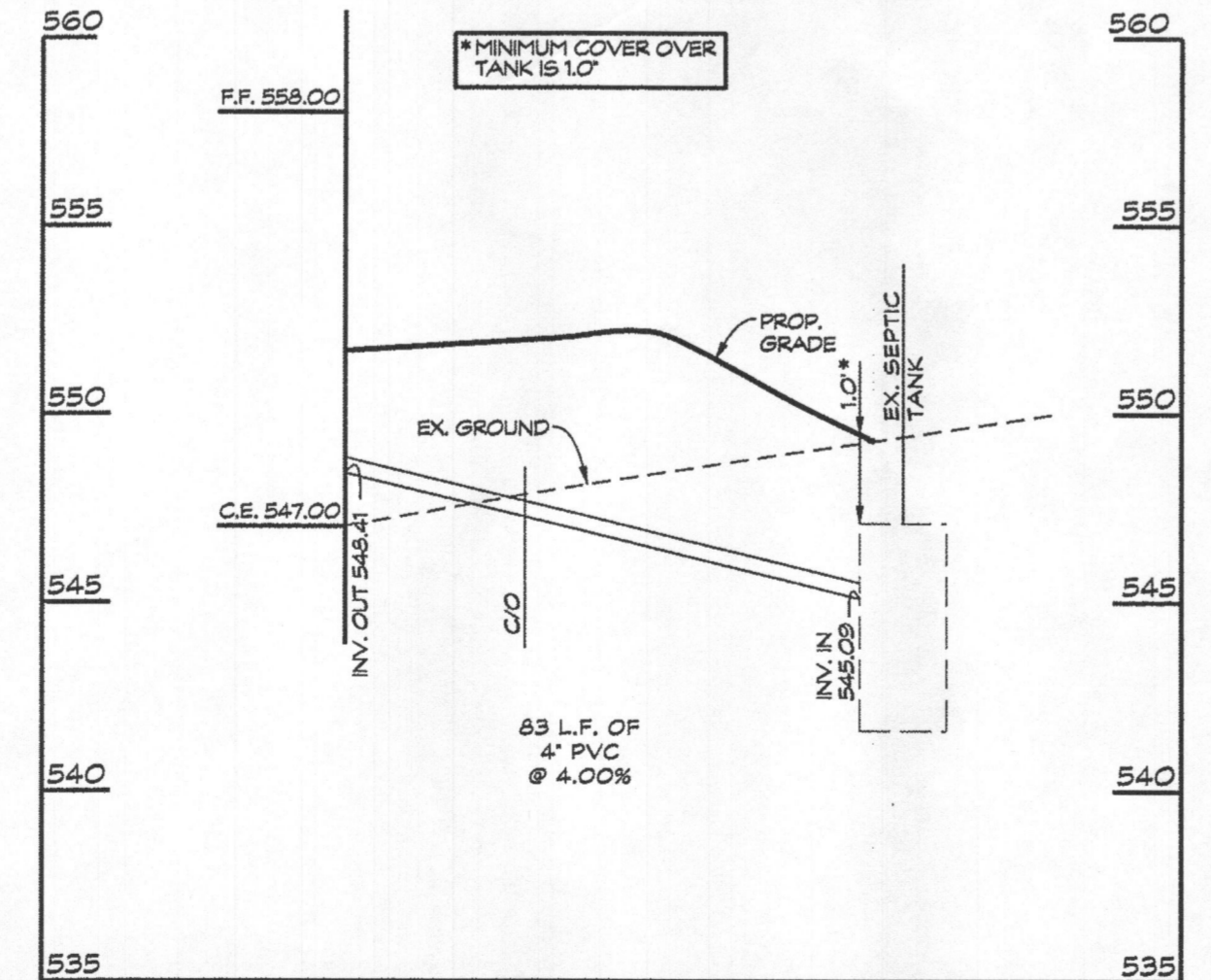
PLAN
SCALE: 1" = 30'

HOUSE WILL REQUIRE EJECTOR PUMP FOR BASEMENT SERVICE. THE HOUSE ELEVATION SHOWN HEREON GRAVITY FLOWS TO THE SEPTIC TANK. A PUMP CHAMBER WILL BE REQUIRED. ANY DEVIATION TO GRADES MAY REQUIRE MODIFICATION TO THE EXISTING SYSTEM.

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HOUSE PLAN
SCALE: 1" = 50'



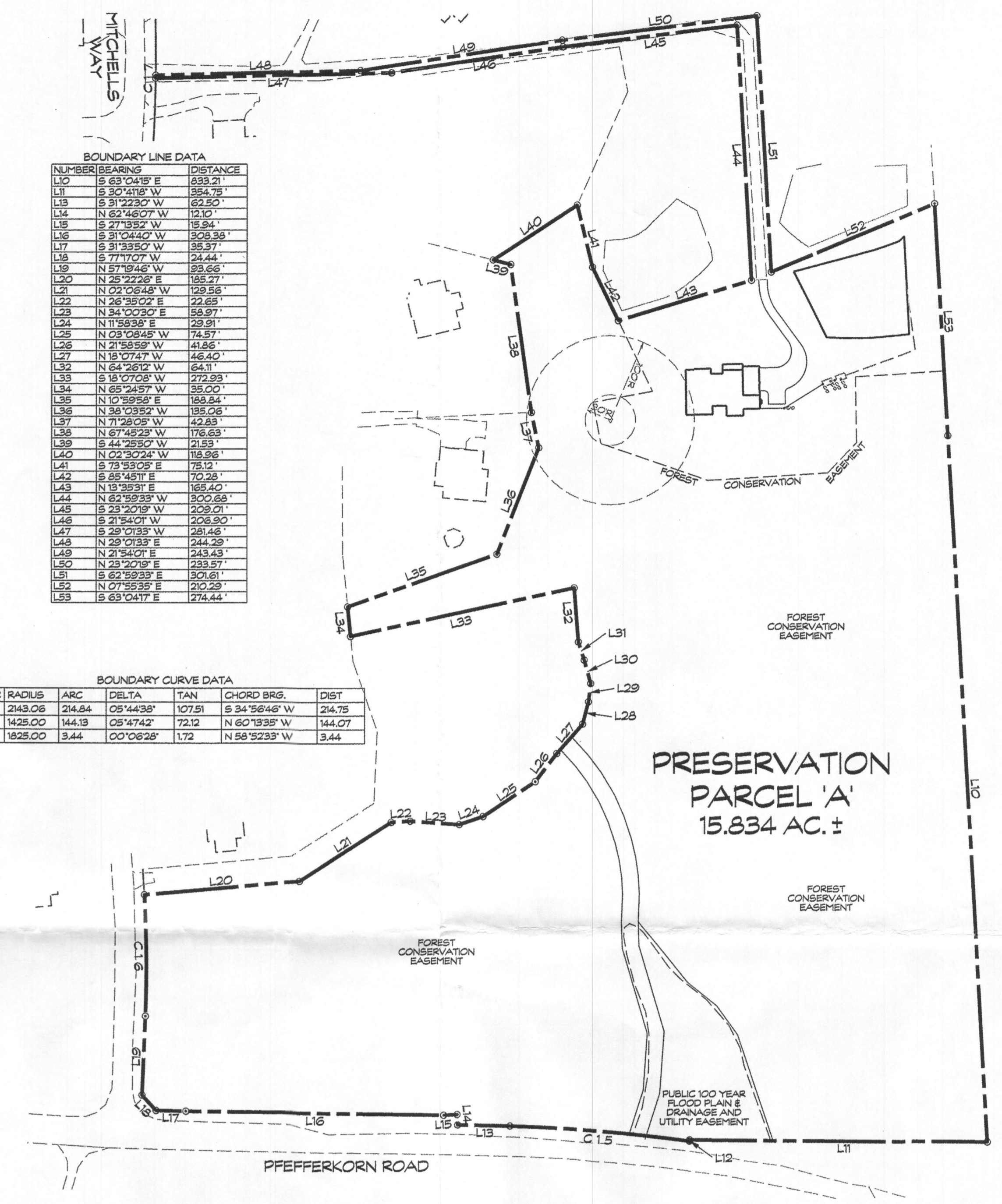
SEPTIC LINE PROFILE
SCALE: HORIZ. 1" = 30' VERT. 1" = 5'

BOUNDARY LINE DATA

NUMBER	BEARING	DISTANCE
L10	S 63°04'18" E	833.21'
L11	S 30°41'18" W	354.75'
L12	S 51°22'30" W	624.50'
L13	N 82°16'07" W	12.32'
L14	S 27°13'52" W	15.84'
L15	S 21°04'40" W	309.38'
L16	S 31°33'52" W	35.37'
L17	S 77°17'07" W	24.44'
L18	N 57°19'46" W	33.66'
L19	N 25°22'38" E	155.27'
L20	N 02°06'48" W	123.55'
L21	N 26°35'02" E	22.65'
L22	N 34°00'30" E	58.97'
L23	N 11°58'36" E	29.91'
L24	N 03°08'45" W	74.57'
L25	N 21°53'59" W	41.85'
L26	N 15°07'47" W	46.40'
L27	N 64°26'12" W	64.11'
L28	S 18°07'08" W	272.93'
L29	N 55°24'57" W	35.00'
L30	N 10°39'58" E	188.84'
L31	N 36°03'52" W	135.26'
L32	N 71°24'52" W	42.83'
L33	N 67°45'23" W	176.63'
L34	S 44°25'50" W	21.53'
L35	N 02°13'24" W	15.92'
L36	S 73°53'05" E	75.12'
L37	S 85°48'17" E	70.28'
L38	N 13°39'33" E	159.40'
L39	N 82°59'39" W	300.69'
L40	S 23°20'19" W	209.01'
L41	S 21°54'07" W	208.90'
L42	S 25°01'35" W	251.45'
L43	N 28°01'33" E	244.29'
L44	N 21°54'07" E	243.43'
L45	N 23°02'12" E	233.97'
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L47	N 07°55'39" E	210.29'
L48	S 63°04'18" E	274.44'

BOUNDARY CURVE DATA

NUMBER	RADIUS	ARC	DELTA	TAN	CHORD BRG.	DIST
C5	2143.06	214.84	05°44'38"	107.51	S 34°56'46" W	214.75
C6	1425.00	144.19	05°47'42"	72.12	N 60°19'35" W	144.07
C7	1825.00	3.44	00°06'28"	1.72	N 58°52'33" W	3.44



OVERALL LOT SKETCH
SCALE: 1" = 100'

Approved Septic System Plan
Howard County Health Department
Paul Applegate 1/28/16
Signature Date
Approved *Blawie*
RAC 12/21/16

**SITE PLAN
PRESERVATION PARCEL 'A'
CLOVERFIELD- SECTION I**

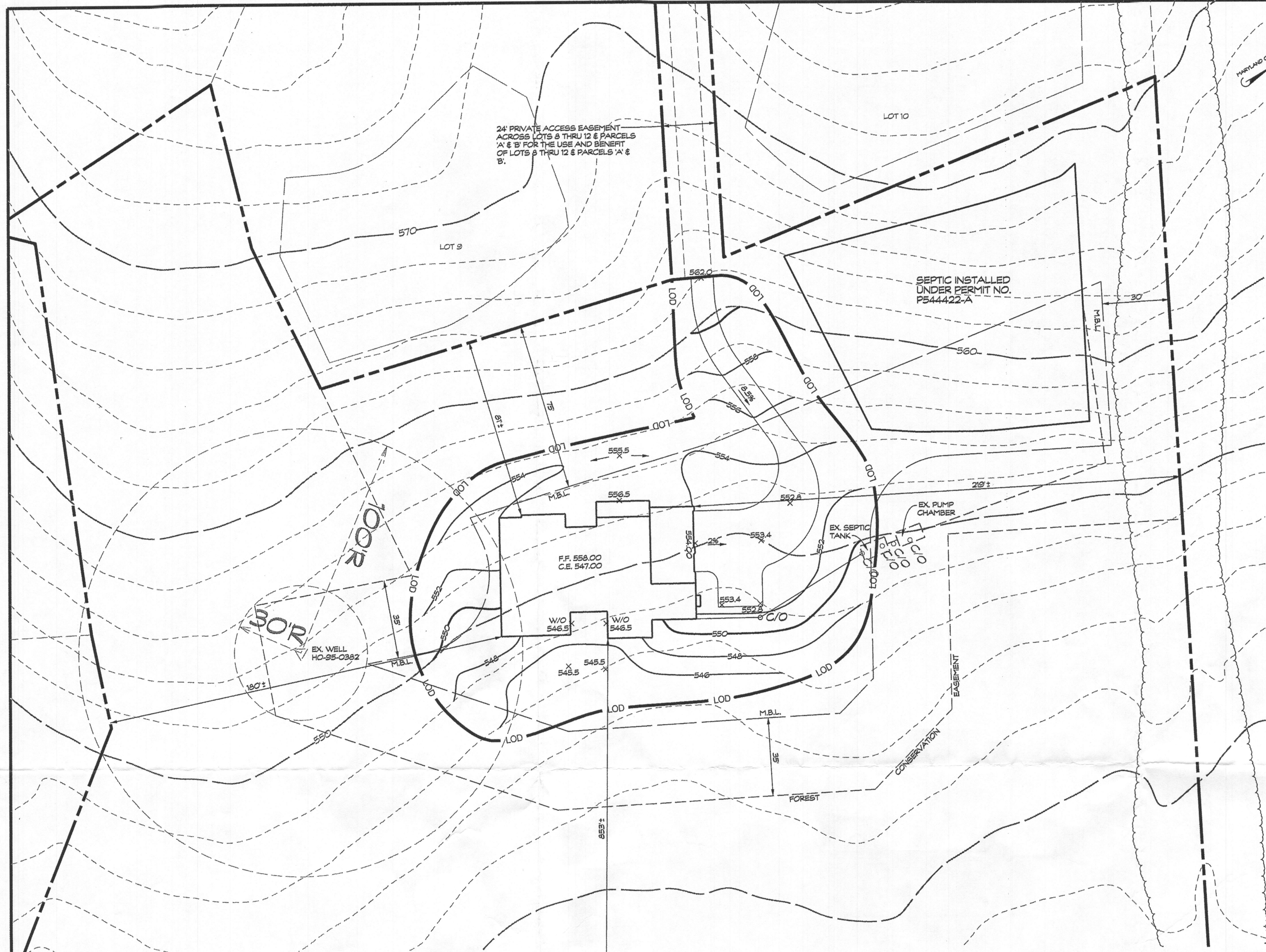
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TAX MAP: 15 BLOCK: 8 PARCEL: 4

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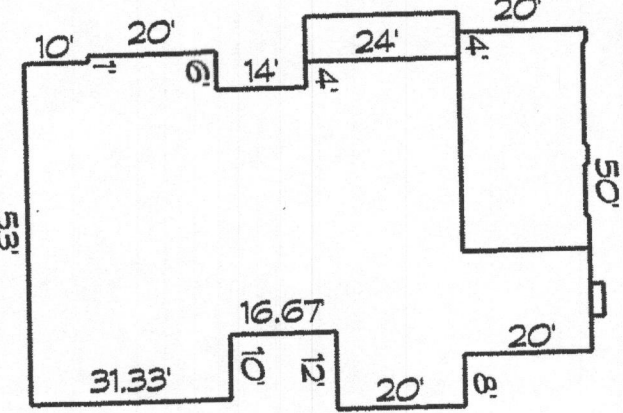
Date	Revisions	Drawn By
12/16/16	REVISED PER HCHO COMMENT LETTER DATED 12/12/16	BH1
		Designed By:
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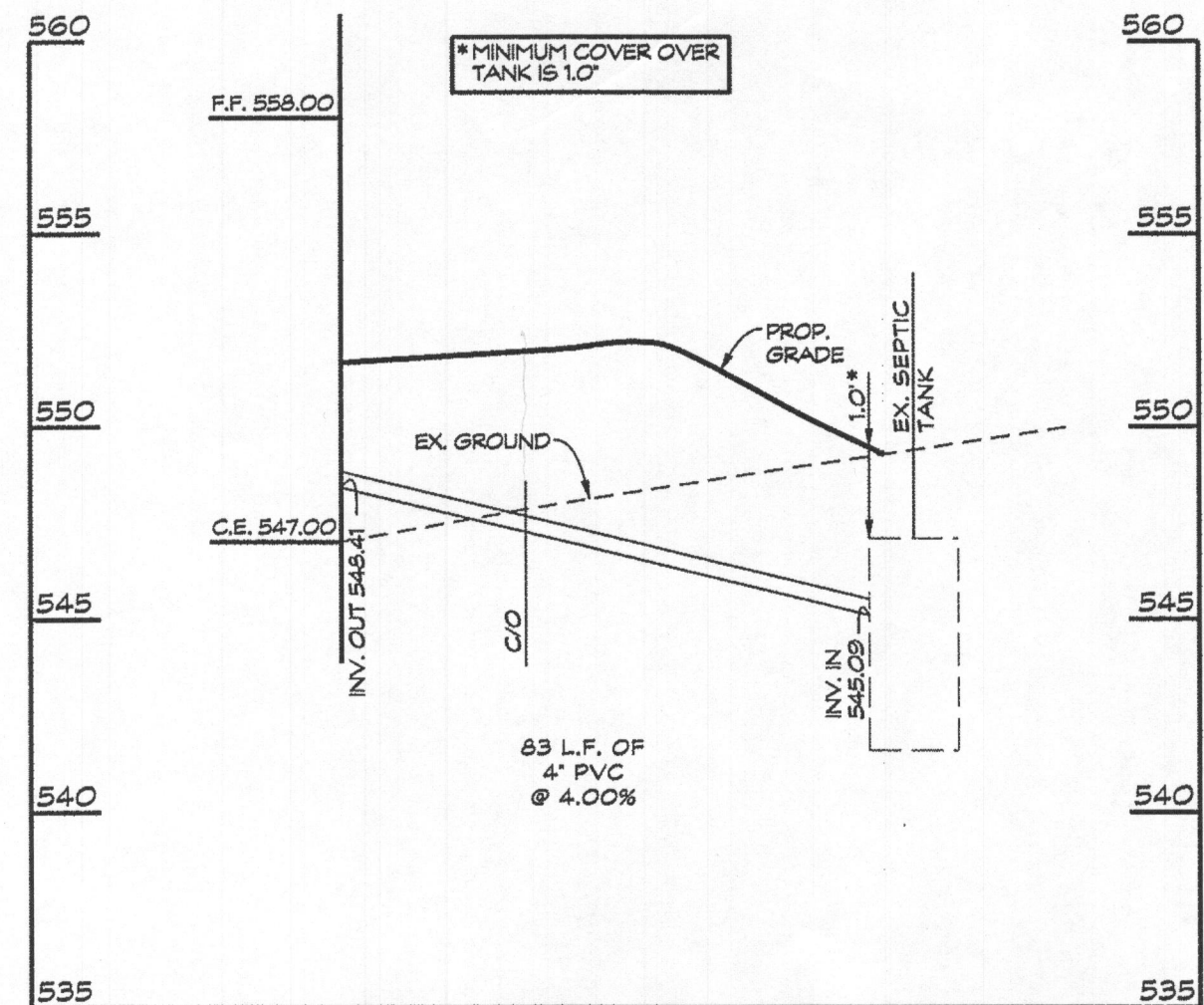
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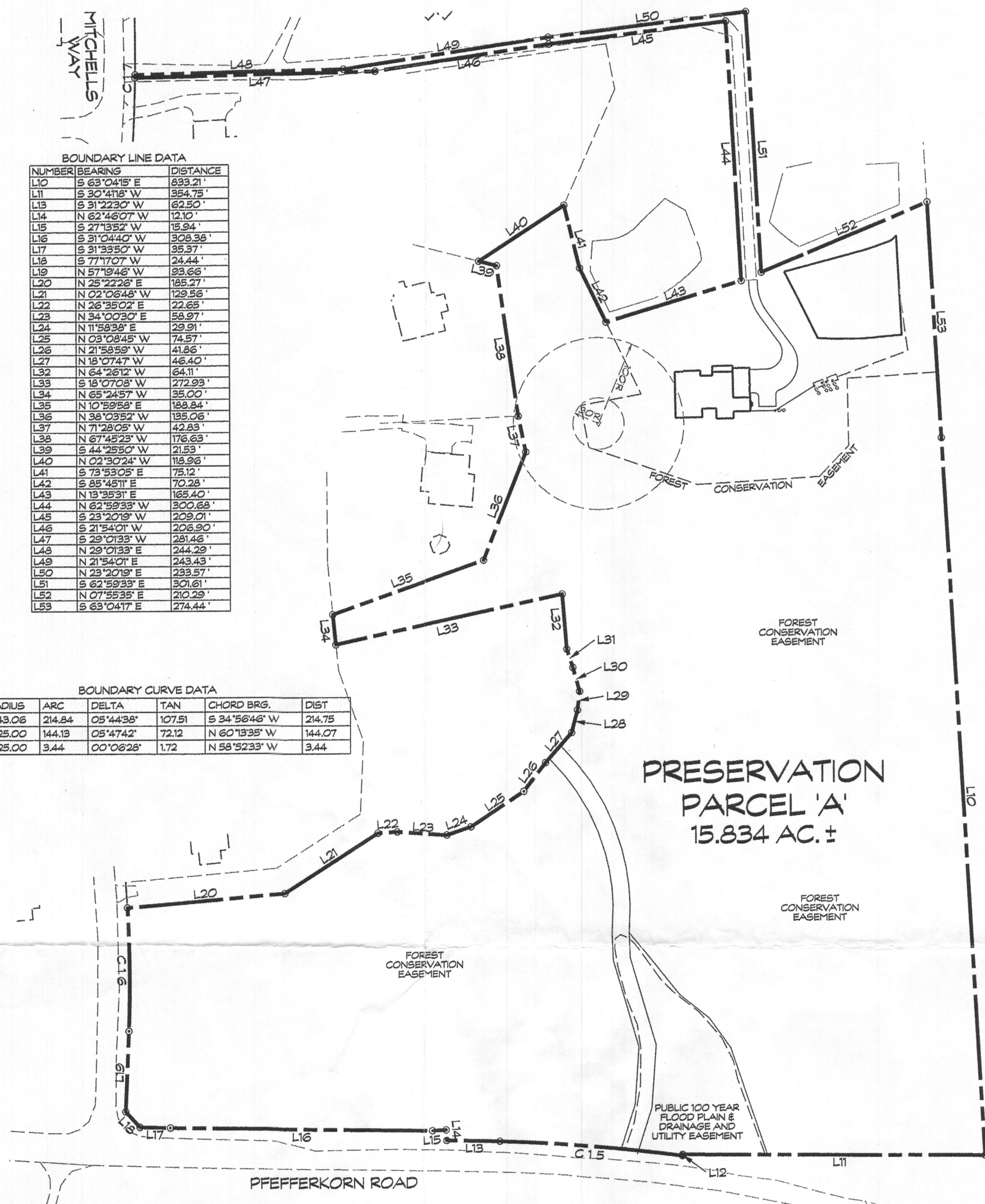
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SCALE: 1" = 50'



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BOUNDARY LINE DATA

NUMBER	BEARING	DISTANCE
L10	S 63°04'18" E	1633.21
L11	S 30°41'18" W	554.75
L13	S 31°22'30" W	62.50
L14	N 62°46'07" W	121.97
L15	S 27°35'2" W	15.84
L16	S 31°04'40" W	308.36
L17	S 31°33'50" W	55.37
L18	S 77°07" W	24.44
L19	N 57°19'46" W	83.66
L20	N 25°22'26" E	185.27
L21	N 02°03'48" W	129.56
L22	N 26°35'02" E	22.65
L23	N 34°00'30" E	56.97
L24	N 11°55'32" E	23.91
L25	N 03°08'45" W	74.57
L26	N 21°58'58" W	41.86
L27	N 18°07'47" W	46.40
L28	N 64°26'17" W	64.11
L29	S 18°07'08" W	272.93
L34	N 65°24'57" W	35.00
L35	N 10°39'54" E	183.84
L36	N 38°03'52" W	138.06
L37	N 71°28'05" W	42.83
L38	N 67°45'23" W	176.63
L39	S 44°25'50" W	21.93
L40	N 02°30'24" W	116.35
L41	S 78°58'02" E	75.12
L42	S 65°48'11" E	70.25
L43	N 18°35'31" E	168.40
L44	N 62°59'33" W	300.68
L45	S 23°20'19" W	209.01
L46	S 21°54'01" W	206.90
L47	S 29°07'35" W	281.46
L48	N 29°07'35" E	244.29
L49	N 21°54'01" E	243.43
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Approved Septic System Plan
Howard County Health Department
[Signature] 12/29/16
Signature Date
Approved Bruce Siska
12/29/16

**SITE PLAN
PRESERVATION PARCEL 'A'
CLOVERFIELD- SECTION I**

15558 MITCHELLS WAY
3rd ELECTION DISTRICT * HOWARD COUNTY, MD.
TAX MAP: 15 BLOCK: 8 PARCEL: 4

[Signature]
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