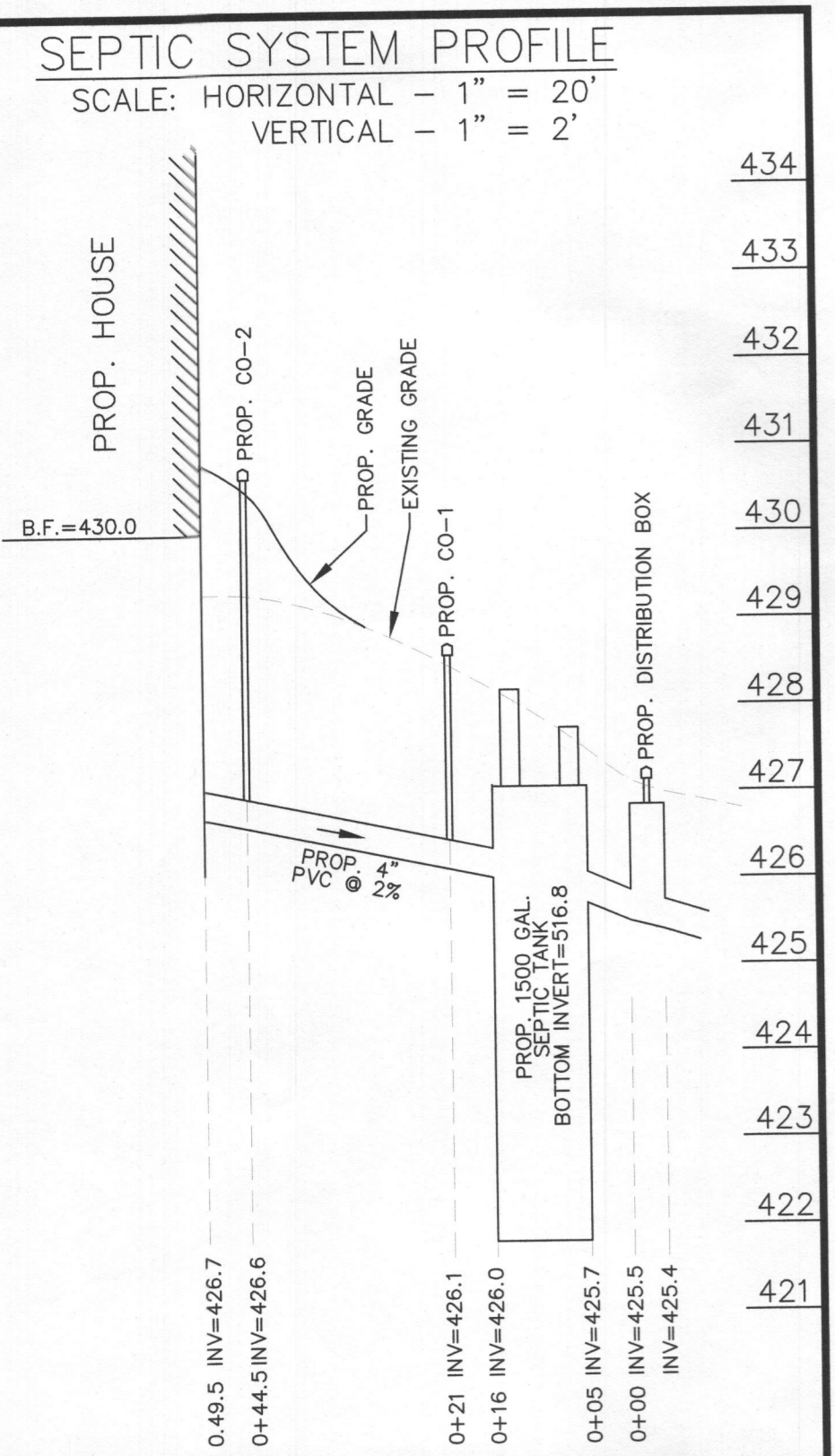
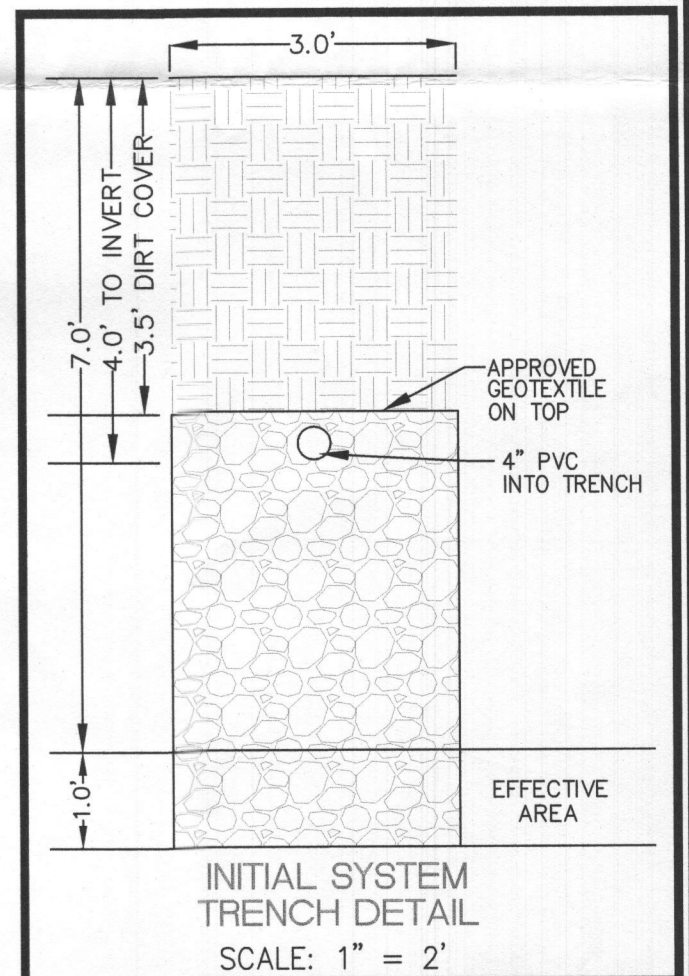
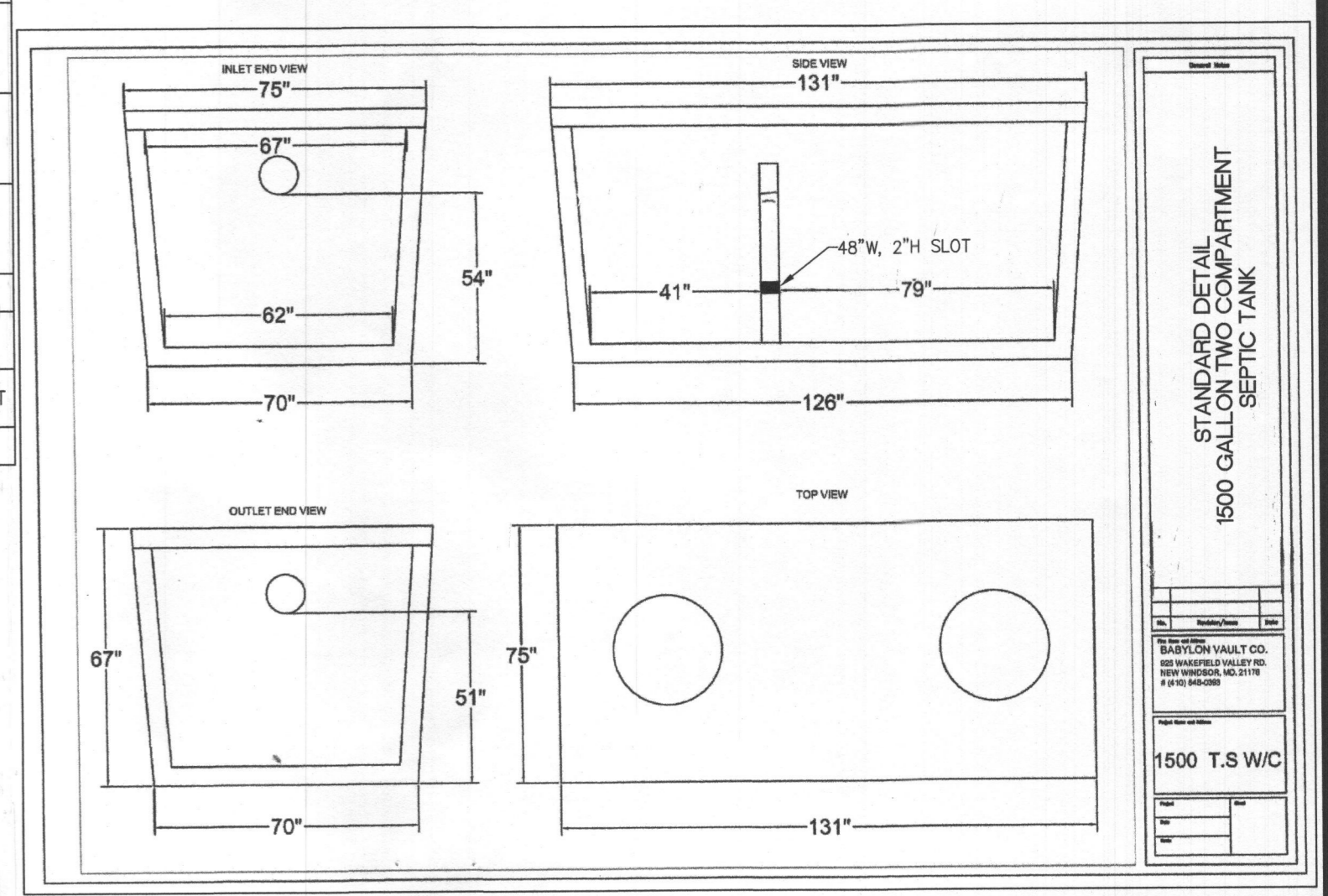
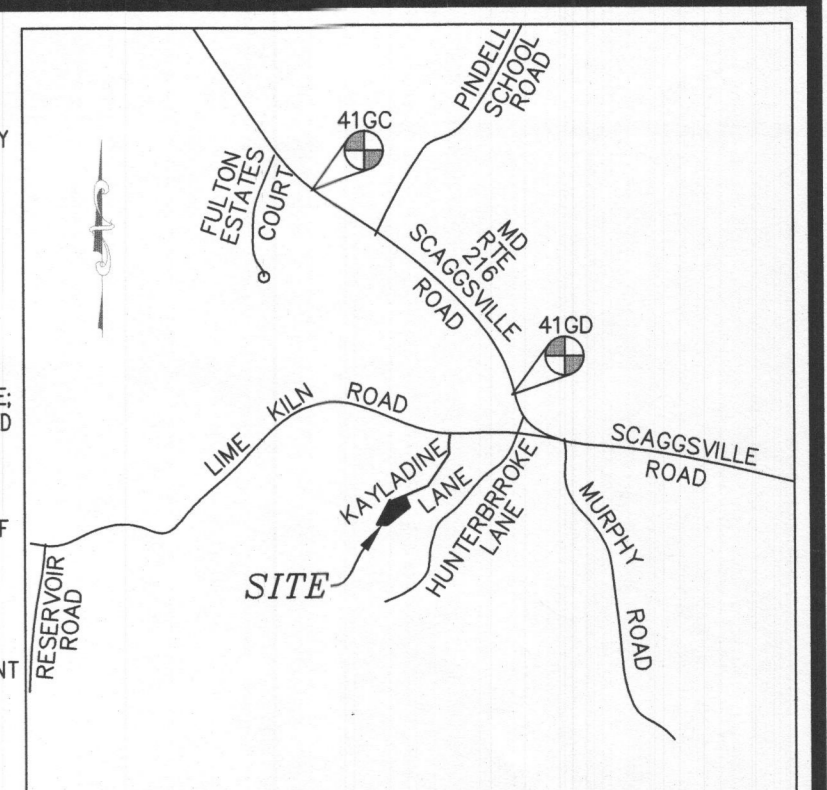


LEGEND

	EX. POST
	EX. TELE PEDESTAL
	EX. VERIZON PANEL
	EX. TREE SAPLING
	EX. WATER WELL
	EX. WATER SPIGOT
	EX. LEAN OUT
	EX. ELECTRIC TRANSFORMER
	EX. ELECTRIC TRANSFORMER
	PROP. SPOT ELEVATION
	EX. CONTOUR
	PROP. CONTOUR
	EX. EDGE WOODED AREA
	PROP. EDGE WOODED AREA
	PROP. SUPER SILT FENCE
	PROP. SILT FENCE
	PROP. LIMIT OF DISTURBANCE
	DENOTES (BUILDING RESTRICTION LINE)
	EX. PRIVATE USE-IN-COMMON ACCESS EASEMENT
	EX. SEPTIC RESERVE AREA
	EX. WELL RESERVE BOX
	PROP. NON-ROOFTOP DISCONNECT
	SOIL TYPE BOUNDARY
	SOIL BORING LOCATION
	EX. PASSING PERCOLATION TEST
	DRAINAGE AREA (DA) LIMITS

GENERAL NOTES

- ZONING: RR-DEO
- PROPOSED SEWER - PRIVATE; PROPOSED WATER - PRIVATE
- THE PLAN IS BASED ON A FIELD RUN BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY NJR & ASSOCIATES IN APRIL OF 2020.
- THERE IS NO FLOODPLAIN ON SITE.
- THERE IS NO WETLAND BUFFER AS WELL AS A STREAM AND A 100 FOOT STREAM BANK BUFFER ON THIS SITE.
- THERE ARE NO CRITICAL HABITATS OF RARE, THREATENED OR ENDANGERED SPECIES ON SITE.
- TOTAL AREA WITHIN LOD = 35,236 SQ.FT.
- WATERSHED = PATENT RIVER
- REVIEW OF THIS PLAN FOR COMPLIANCE WITH THE ZONING AND SUBDIVISION AND LAND DEVELOPMENT REGULATIONS SHALL OCCUR AT THE PERMIT STAGE. AND THEREFORE, THIS PLAN IS SUBJECT TO ADDITIONAL AND MORE DETAILED COMMENTS AS THIS PLAN PROGRESSES THROUGH THE PERMIT PROCESS.
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PART OF
NON-BUILDABLE
PRESERVATION
PARCEL "B"
DUSTIN'S GOLDEN FIELDS
PLAT No. 22890

TRENCH INFO, INITIAL SYSTEM

TRENCH	TRENCH LENGTH OF GROUND	EX. TOP OF GRAVEL	TOP OF GRAVEL	INV. INTO TRENCH	BOTTOM OF TRENCH
1	87'	429.0±	425.5	425.0	421.0
2	87'	427.3±	423.8	423.3	419.3
3	87'	426.0±	422.5	422.0	418.0

SEPTIC SYSTEM CALCULATIONS, INITIAL SYSTEM

ABS. RATE = 0.8, EFFECTIVE DEPTH = 7'-8" (1')

DRAINFIELD AREA: 5 BEDROOMS AT 750 gpd / 0.8 ABSORPTION RATE = 938 SQ. FT.

SIDEWALL REDUCTION CREDIT: $\frac{3+2}{6} = 0.83$

LENGTH OF TRENCHES: $\frac{938 \text{ SQ. FT.} \times 0.83}{3} = 260 \text{ LINEAR FEET}$

INITIAL SYSTEM: THREE TRENCHES OF 87 FEET IN LENGTH, 3 FEET WIDE, 10 FEET MINIMUM SPACED ARE PROVIDED.

SEPTIC SYSTEM CALCULATIONS, 1ST REPLACEMENT SYSTEM

ABS. RATE = 1.2, EFFECTIVE DEPTH = 5'-7.5" (2.5')

DRAINFIELD AREA: 5 BEDROOMS AT 750 gpd / 1.2 ABSORPTION RATE = 625 SQ. FT.

SIDEWALL REDUCTION CREDIT: $\frac{3+2}{9} = 0.56$

LENGTH OF TRENCHES: $\frac{625 \text{ SQ. FT.} \times 0.56}{3} = 117 \text{ LINEAR FEET}$

FIRST REPLACEMENT SYSTEM: THREE TRENCHES OF 40 FEET IN LENGTH, 3 FEET WIDE, 10 FEET MINIMUM SPACED ARE PROVIDED.

SEPTIC SYSTEM CALCULATIONS, 2ND REPLACEMENT SYSTEM

ABS. RATE = 0.8, EFFECTIVE DEPTH = 5'-7.5" (2.5')

DRAINFIELD AREA: 5 BEDROOMS AT 750 gpd / 0.8 ABSORPTION RATE = 938 SQ. FT.

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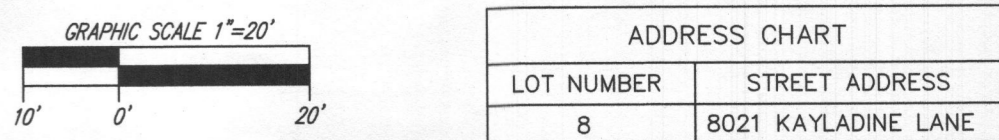
SECOND REPLACEMENT SYSTEM: THREE TRENCHES OF 59 FEET IN LENGTH, 3 FEET WIDE, 10 FEET MINIMUM SPACED ARE PROVIDED.

NOTES

- ANY CHANGES 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.
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- THE EXISTING WELL (TAG # HO-95-2493) HAS BEEN FIELD LOCATED AND ACCURATELY SHOWN ON THIS PLAN.
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- THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT ARE AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

HEALTH OFFICER, HOWARD COUNTY HEALTH DEPARTMENT. DATE



MISS UTILITY
CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF FREDERICK COUNTY REGULATIONS.

SOIL TABLE

SYMBOL	NAME/DESCRIPTION	TYPE	HYDRIC
GgB	Glenelg Loam 3% to 8% Slopes	B	No
MaC	Manor Loam 8% to 15% Slopes	B	No

REVISIONS

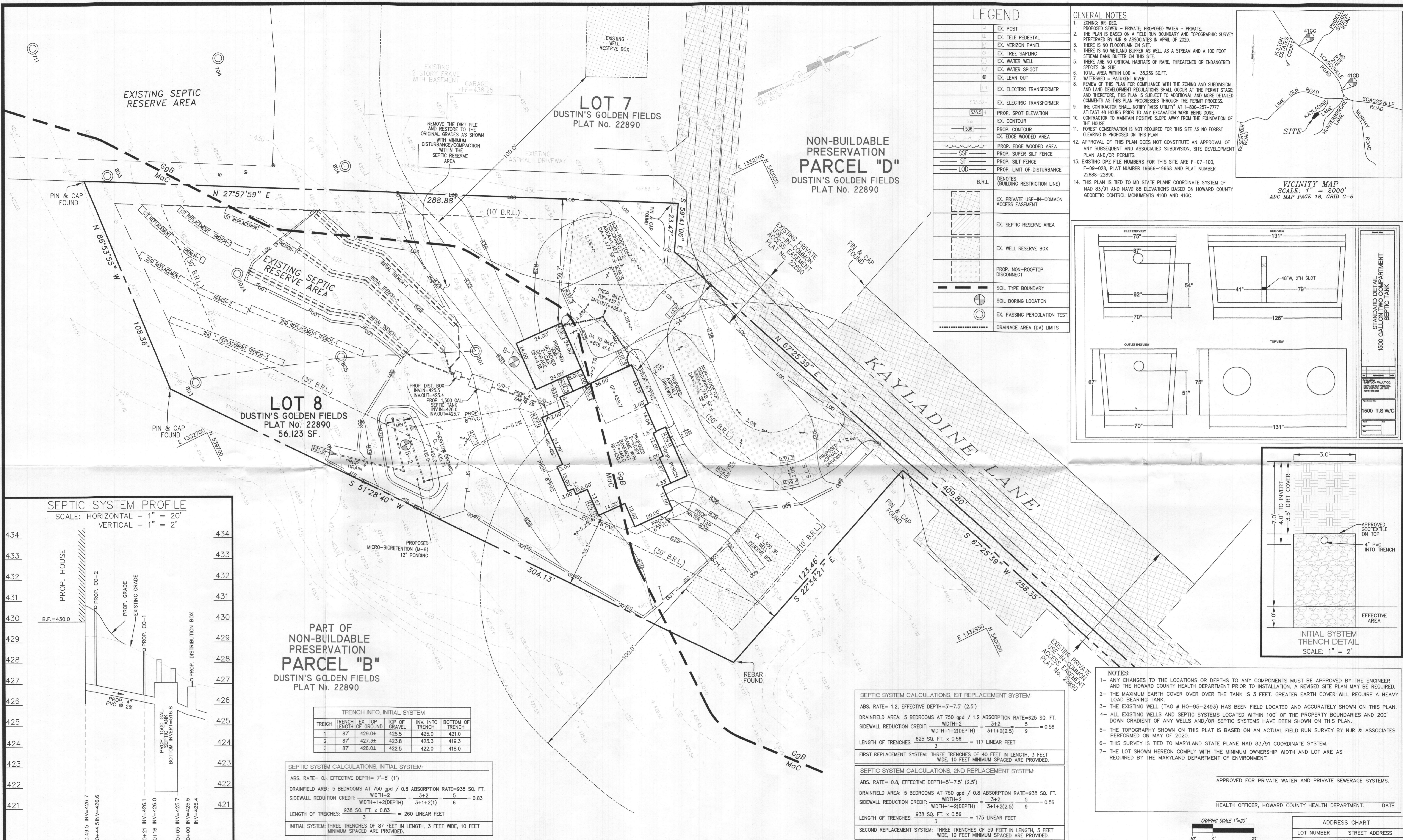
No.	DATE	DETAILS

PLAN PREPARED BY:
NJR & ASSOCIATES
Land Surveying and Planning
2770 STATE ROUTE 32
WEST FRIENDSHIP, MD 21794
TEL: (240) 508-3200

PROFESSIONAL CERTIFICATE
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, LICENSE NUMBER 11049 WITH EXPIRATION DATE OF FEBRUARY 10, 2021.
August 15, 2020
DATE

DEVELOPER
CARUSO HOMES
2120 BLDWIN AVENUE, SUITE-200
GROFTON, MD 21144
(301) 261-0277
OWNER
BRIN & ABIGAIL MARCHICA
1131 BISHOPS GATE LANE
BUREL, MD 20723
(443) 343-0404

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
DUNSTIN'S GOLDEN FIELDS
LOT 8
PLAT No. 22890
TAX MAP 46, GRID 1, PARCEL 103
ZONED: RR-DEO
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 20' JOB NO.: 3575 DATE : MAY 22, 2020 SHEET : 1 OF 1

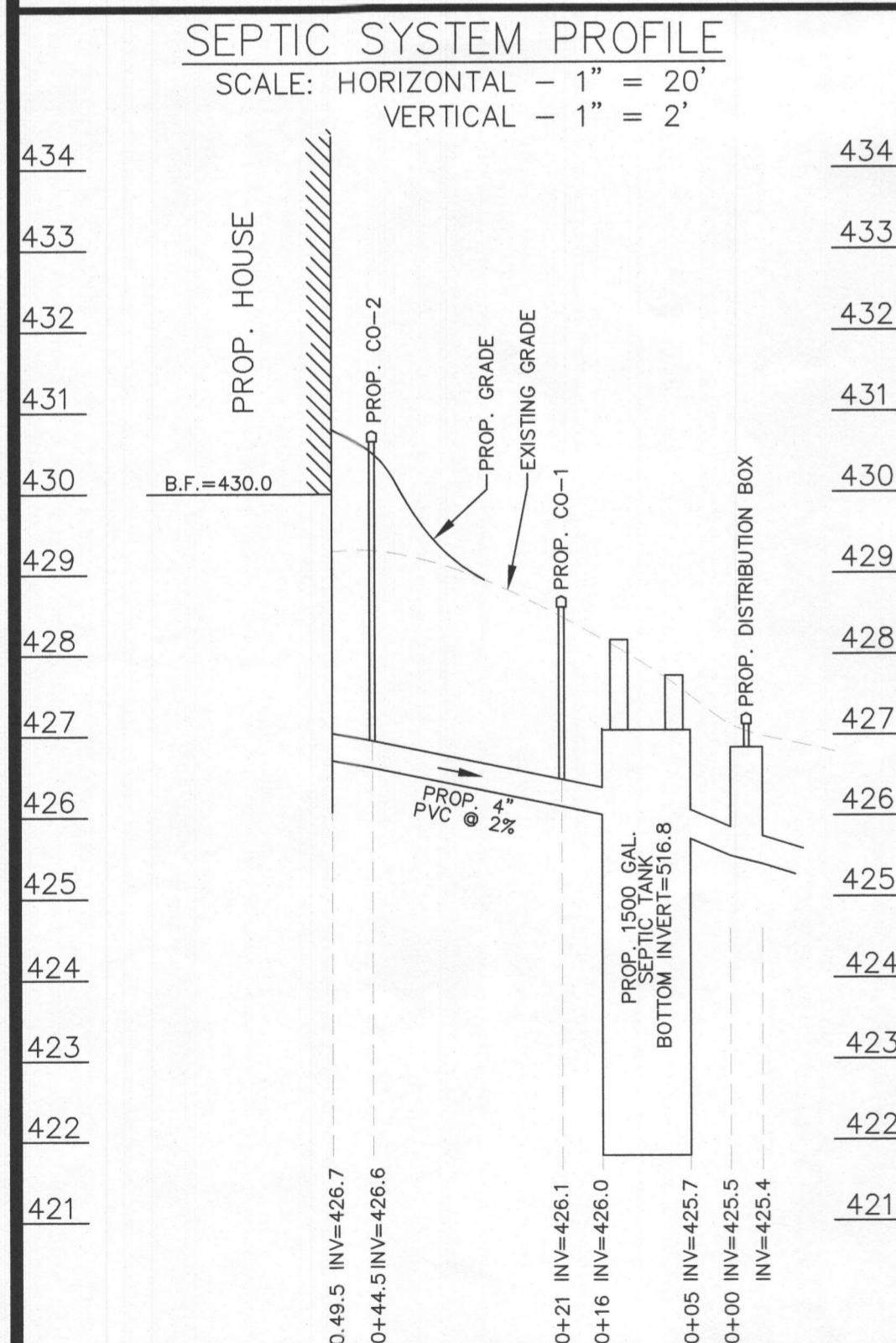
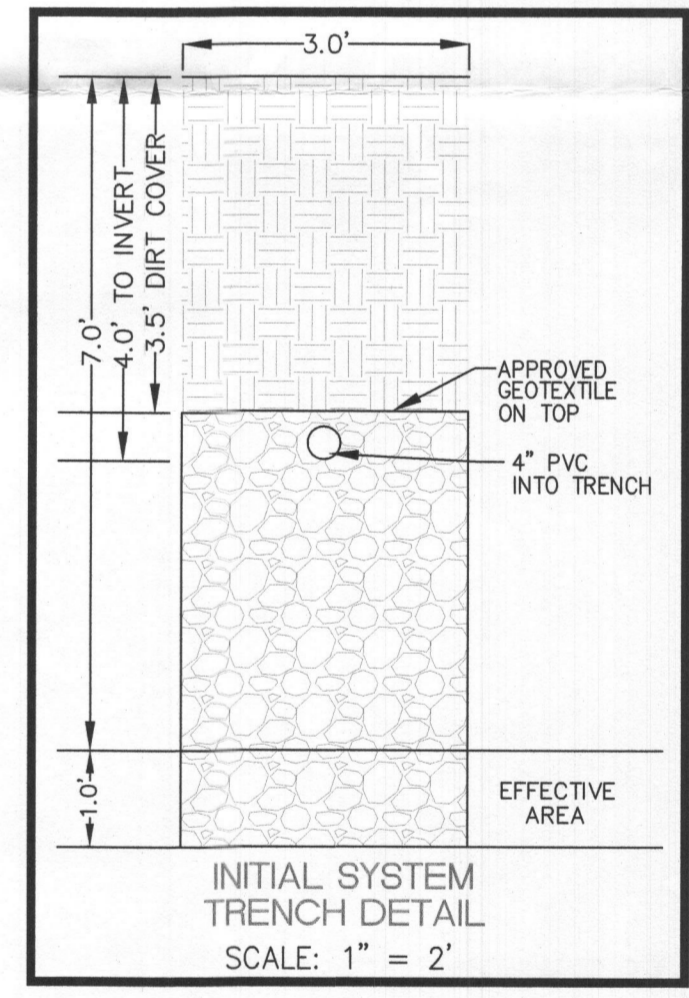
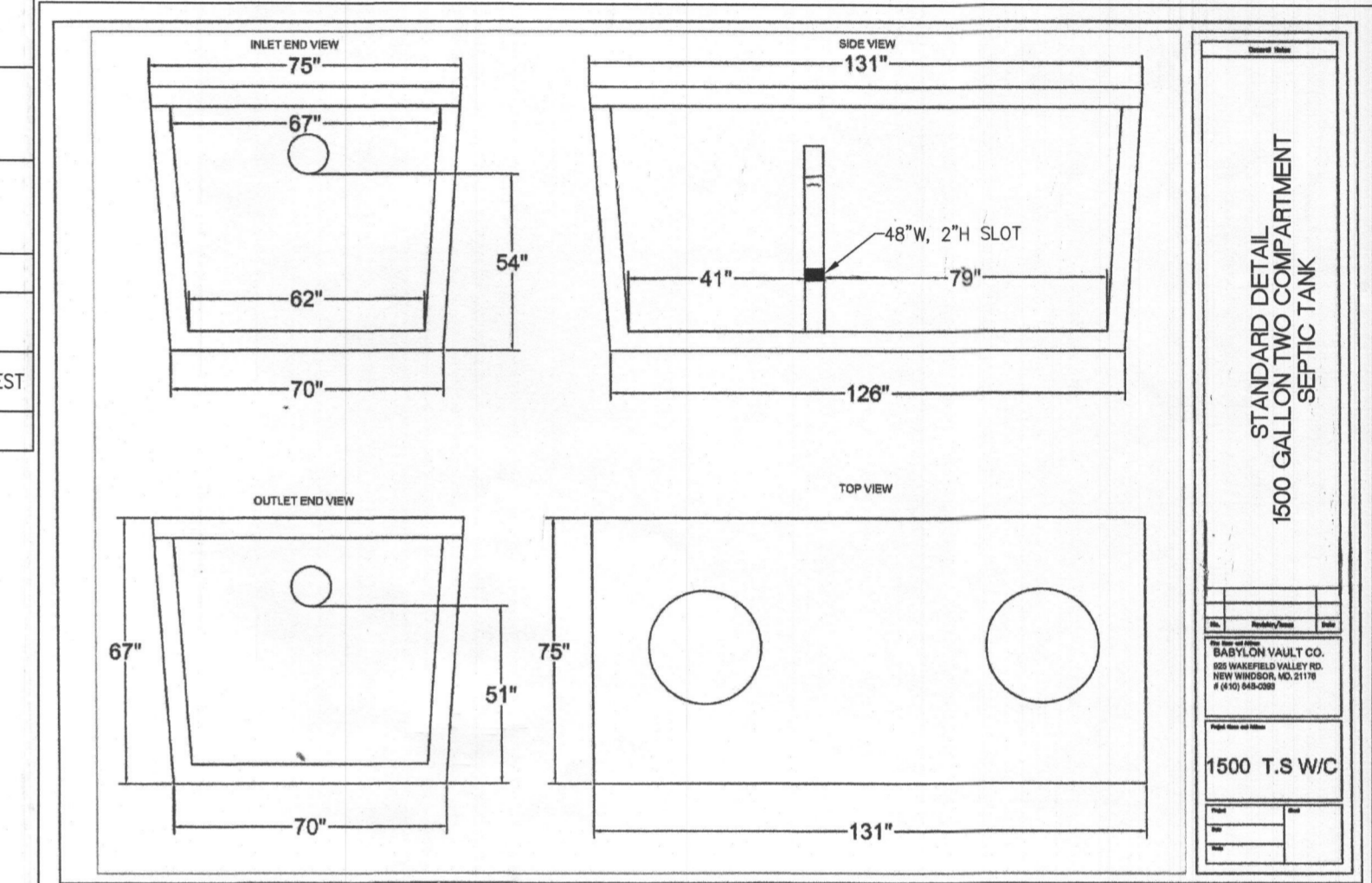
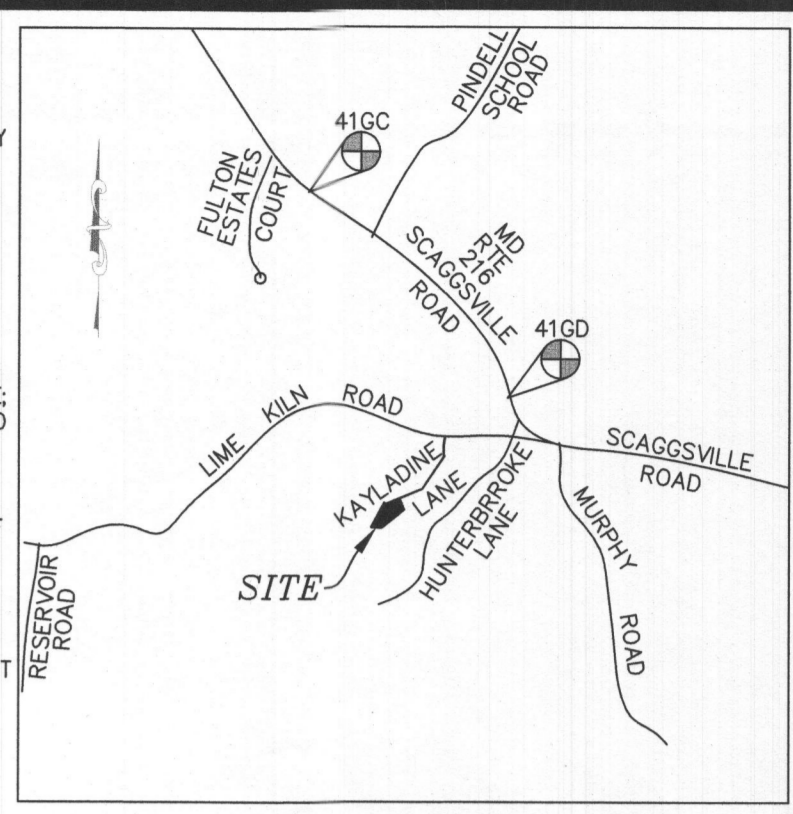


LEGEND

EX POST
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EX. VERIZON PANEL
EX. TREE SAPLING
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PROP. NON-ROOFTOP DISCONNECT
SOIL TYPE BOUNDARY
SOIL BORING LOCATION
EX. PASSING PERCOLATION TEST
DRAINAGE AREA (DA) LIMITS
B.R.L. DENOTES (BUILDING RESTRICTION LINE)
EX. PRIVATE USE-IN-COMMON ACCESS EASEMENT
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PART OF NON-BUILDABLE PRESERVATION PARCEL "B" DUSTIN'S GOLDEN FIELDS PLAT No. 22890

TRENCH	TRENCH LENGTH	EX. TOP OF GRAVEL	TOP OF GRAVEL	INV. INTO TRENCH	BOTTOM OF TRENCH
1	87'	429.0±	425.5	425.0	421.0
2	87'	427.3±	423.8	423.3	419.3
3	87'	426.0±	422.5	422.0	418.0

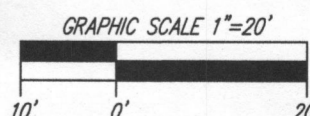
SEPTIC SYSTEM CALCULATIONS, INITIAL SYSTEM:
 ABS. RATE= 0.8, EFFECTIVE DEPTH= 7'-8" (1')
 DRAINFIELD AREA: 5 BEDROOMS AT 750 gpd / 0.8 ABSORPTION RATE=938 SQ. FT.
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 LENGTH OF TRENCHES: $\frac{938 \text{ SQ. FT.} \times 0.83}{3} = 260 \text{ LINEAR FEET}$
 INITIAL SYSTEM: THREE TRENCHES OF 87 FEET IN LENGTH, 3 FEET WIDE, 10 FEET MINIMUM SPACED ARE PROVIDED.

SEPTIC SYSTEM CALCULATIONS, 1ST REPLACEMENT SYSTEM:
 ABS. RATE= 1.2, EFFECTIVE DEPTH=5'-7.5" (2.5')
 DRAINFIELD AREA: 5 BEDROOMS AT 750 gpd / 1.2 ABSORPTION RATE=625 SQ. FT.
 SIDEWALL REDUCTION CREDIT: $\frac{WIDTH+2}{WIDTH+1+2(DEPTH)} = \frac{3+2}{3+1+2(2.5)} = 0.56$
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 FIRST REPLACEMENT SYSTEM: THREE TRENCHES OF 40 FEET IN LENGTH, 3 FEET WIDE, 10 FEET MINIMUM SPACED ARE PROVIDED.

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NOTES:
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APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
 HEALTH OFFICER, HOWARD COUNTY HEALTH DEPARTMENT. DATE



LOT NUMBER	STREET ADDRESS
B	8021 KAYLADINE LANE

MISS UTILITY
 CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF FREDERICK COUNTY REGULATIONS.

SYMBOL	NAME/DESCRIPTION	TYPE	HYDRIC
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No.	DATE	DETAILS

PLAN PREPARED BY:
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 Land Surveying and Planning
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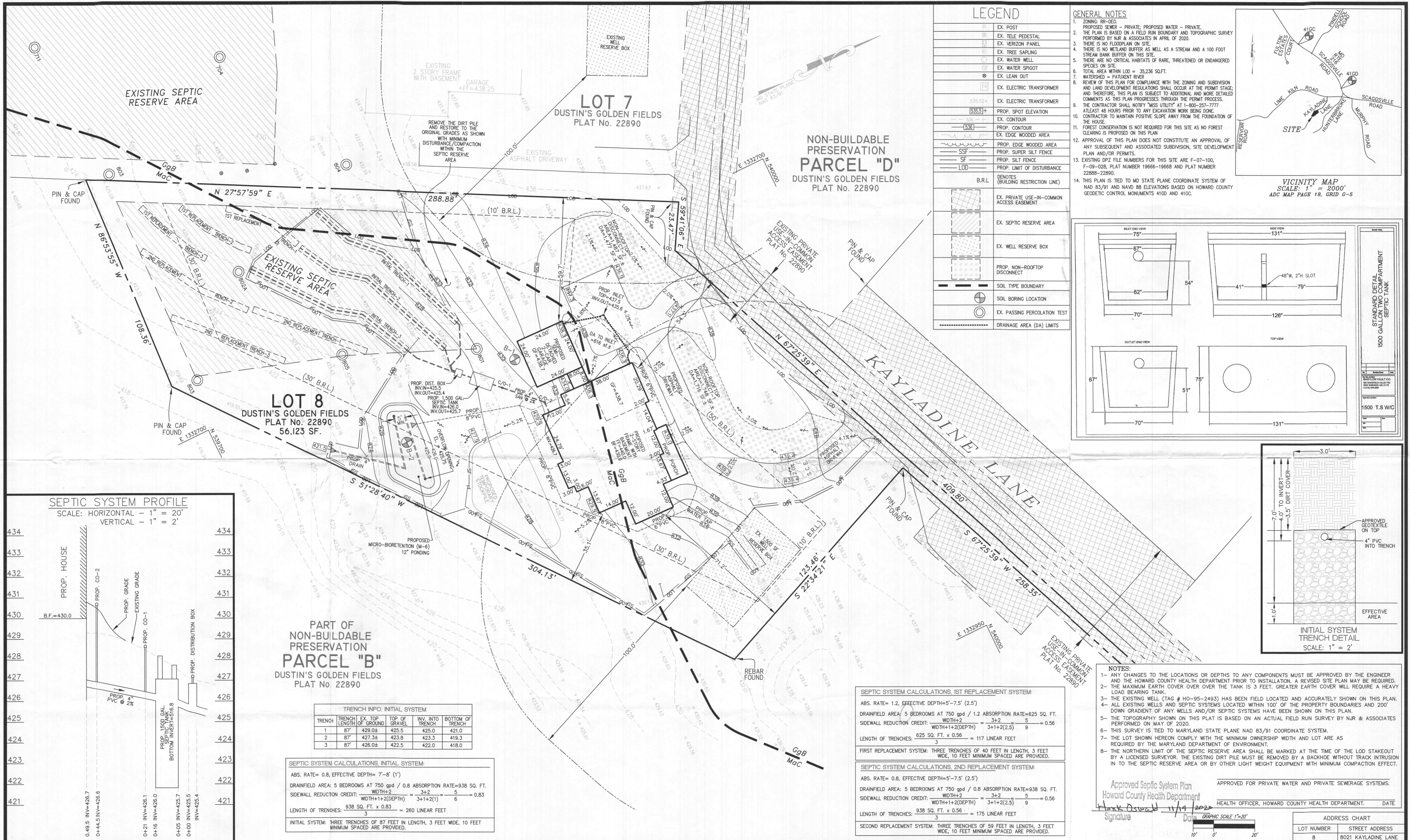
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DEVELOPER
 CARUSO HOMES
 2120 BLDWIN AVENUE, SUITE-200
 CROFTON, MD 21144
 (301) 261-0277

OWNER
 BRUN & ABIGAIL MARCHICA
 1131 BISHOPS GATE LANE
 LAUREL, MD 20723
 (443) 343-0404

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
DUNSTIN'S GOLDEN FIELDS
 LOT 8
 PLAT No. 22890
 TAX MAP 46, GRID 1, PARCEL 103
 ZONED: RR-DEO
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: 1" = 20' JOB NO.: 3575 DATE : MAY 22, 2020 SHEET : 1 OF 1

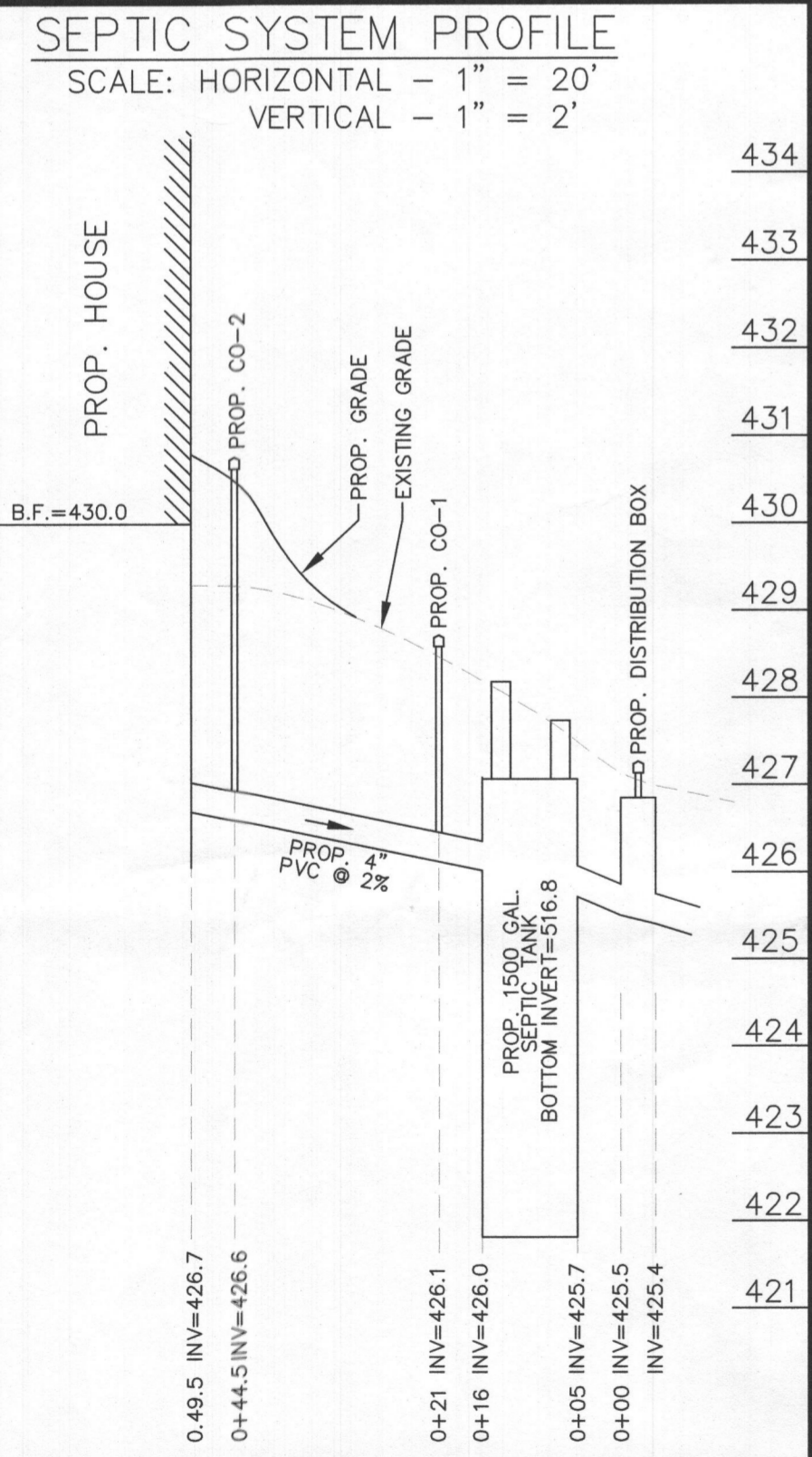
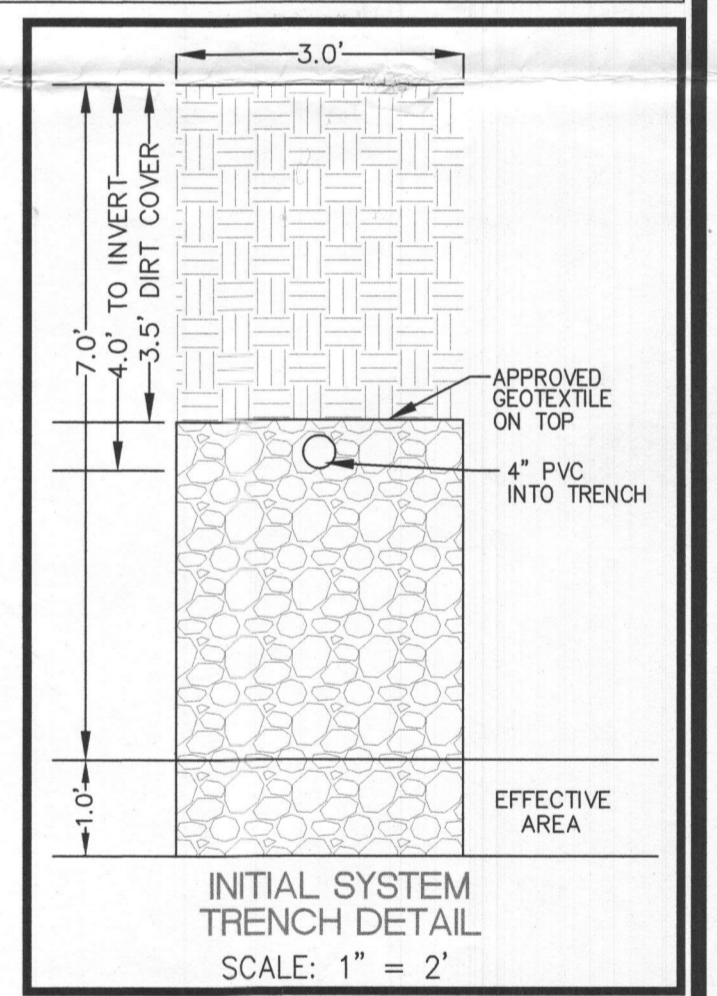
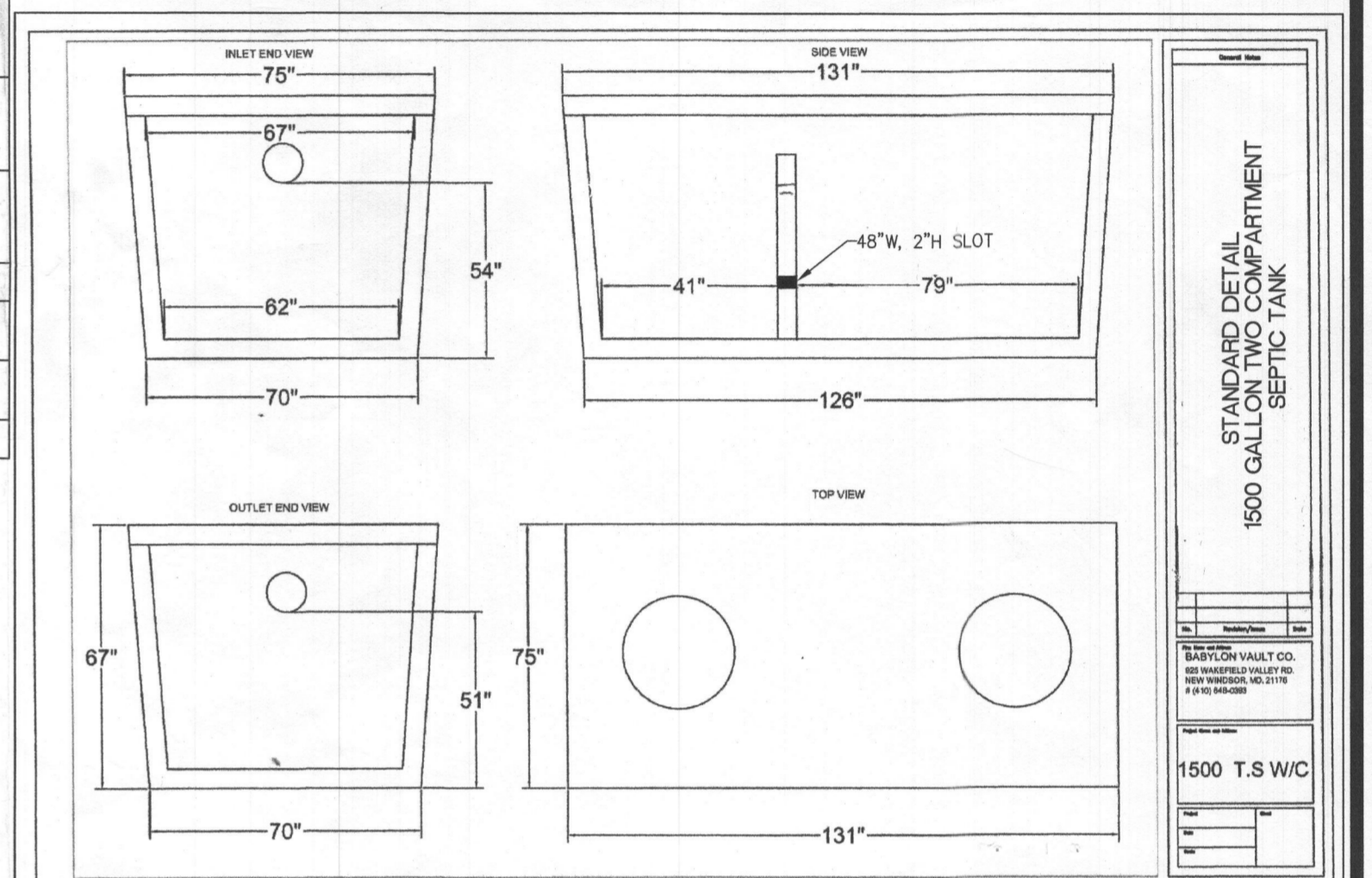
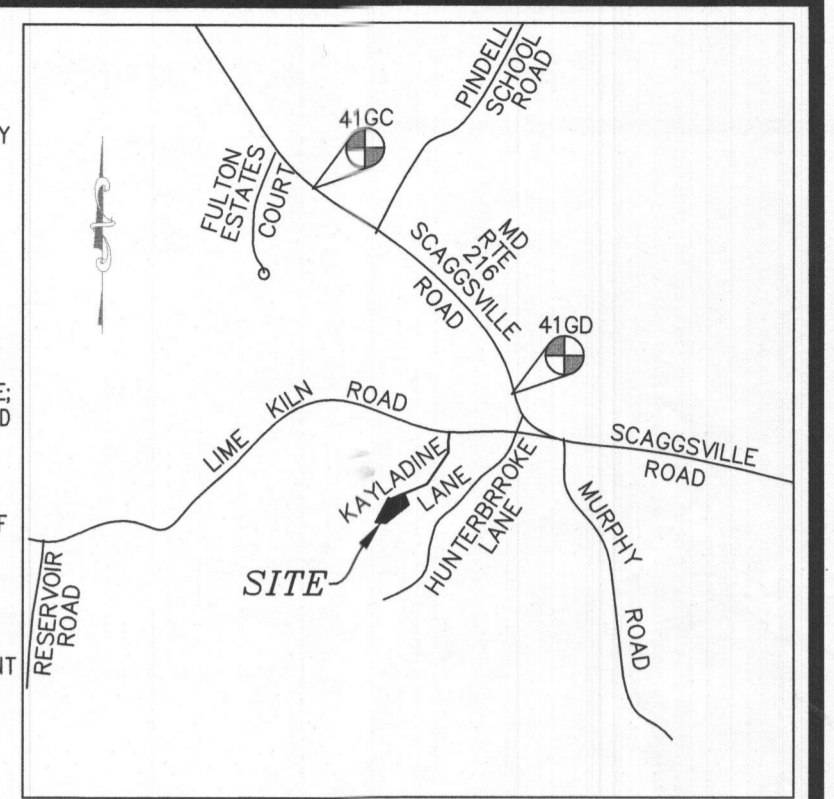


LEGEND

[Symbol]	EX. POST
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[Symbol]	EX. VERIZON PANEL
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PART OF NON-BUILDABLE PRESERVATION PARCEL "B" DUSTIN'S GOLDEN FIELDS PLAT No. 22890

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SECOND REPLACEMENT SYSTEM: THREE TRENCHES OF 59 FEET IN LENGTH, 3 FEET WIDE, 10 FEET MINIMUM SPACED ARE PROVIDED.

- NOTES:**
- ANY CHANGES 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 WILL BE REQUIRED.
 - THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
 - THE EXISTING WELL (TAG # HO-95-2493) HAS BEEN FIELD LOCATED AND ACCURATELY SHOWN ON THIS PLAN.
 - ALL EXISTING 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 ON THIS PLAN.
 - THE TOPOGRAPHY SHOWN ON THIS PLAN IS BASED ON AN ACTUAL FIELD RUN SURVEY BY NJR & ASSOCIATES PERFORMED ON MAY OF 2020.
 - THIS SURVEY IS TIED TO MARYLAND STATE PLANE NAD 83/91 COORDINATE SYSTEM.
 - THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
 - THE NORTHERN LIMIT OF THE SEPTIC RESERVE AREA SHALL BE MARKED AT THE TIME OF THE LOD STAKEOUT BY A LICENSED SURVEYOR. THE EXISTING DIRT PILE MUST BE REMOVED BY A BACKHOE WITHOUT TRACK INTERFERENCE IN TO THE SEPTIC RESERVE AREA OR BY OTHER LIGHT WEIGHT EQUIPMENT WITH MINIMUM COMPACTION EFFECT.

Approved Septic System Plan
 Howard County Health Department
 Health Officer, HOWARD COUNTY HEALTH DEPARTMENT. DATE: 11/19/2022
 Signature: Hank Oswald
 Address Chart: LOT NUMBER 8, STREET ADDRESS 8021 KAYLADINE LANE

MISS UTILITY
 CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF FREDERICK COUNTY REGULATIONS.

SYMBOL	NAME/DESCRIPTION	TYPE	HYDRIC
GgB	Glencol Loom, 3% to 8% Slopes	B	No
MaC	Manor Loom, 8% to 15% Slopes	B	No

No.	DATE	DETAILS

PLAN PREPARED BY:
NJR & ASSOCIATES
 Land Surveying and Planning
 2770 STATE ROUTE 32
 WEST FRIENDSHIP, MD 21794
 TEL: (240) 506-3200

PROFESSIONAL CERTIFICATE
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DAILY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 11049 WITH EXPIRATION DATE OF FEBRUARY 10, 2021.
 September 2, 2020
 DATE

DEVELOPER
 CARUSO HOMES
 2120 BALDWIN AVENUE, SUITE-200
 CROFTON, MD 21114
 (301) 261-0277
 OWNER
 BRIAN & ABIGAIL MARCHICIA
 11361 BISHOPS GATE LANE
 LAUREL, MD 20723
 (443) 343-0404

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
DUSTIN'S GOLDEN FIELDS
LOT 8
 PLAT No. 22890
 TAX MAP 46, GRID 1, PARCEL 103
 ZONED: RR-DEO
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 20' JOB NO.: 3575 DATE: MAY 22, 2020 SHEET: 1 OF 1