



Bureau of Environmental Health
 8930 Stanford Blvd | Columbia, MD 21045
 410.313.2640 - Voice/Relay
 410.313.2648 - Fax
 1.866.313.6300 - Toll Free

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

**APPLICATION
 FOR PERCOLATION TESTING AND SITE EVALUATION**

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME 1401
 PROPERTY ADDRESS 2822 Bridalwreath Ct. Woodbine 21797
STREET TOWN ZIP
 TAX ACCOUNT # 373804 TAX MAP 0014 GRID 0020 PARCEL 0066 LOT NO. 16 PROPOSED LOT SIZE (ACRES) 0.92
 ZONING CATEGORY RC-DE0 TIER iv

PROPERTY OWNER(S)

Todd Stup
 DAYTIME PHONE 301-440-5180 CELL _____ EMAIL _____
 MAILING ADDRESS 2822 Bridalwreath Court Woodbine, MD 21797
STREET CITY, STATE ZIP

APPLICANT

Michael Markakis RELATIONSHIP TO OWNER: Hired Engineer
 DAYTIME PHONE 732-535-3605 CELL _____ EMAIL ~~markakis@kci.com~~ michael.markakis@kci.com
 MAILING ADDRESS 212 Seevue Ct. Apt B Bel Air, MD 21014
STREET CITY, STATE ZIP

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

PROPERTY:

- SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: _____
- SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING) MAJOR MINOR
- CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
- REPAIR OR REPLACE FAILING OSDS
- UPGRADE EXISTING OSDS

BUILDING:

- RESIDENTIAL WITH _____ EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
- COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- YES
- NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
- THE APPLICATION FEE IS NON-REFUNDABLE
- THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
- THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

Michael Markakis

SIGNATURE OF APPLICANT

6/14/21

DATE

GENERAL NOTES

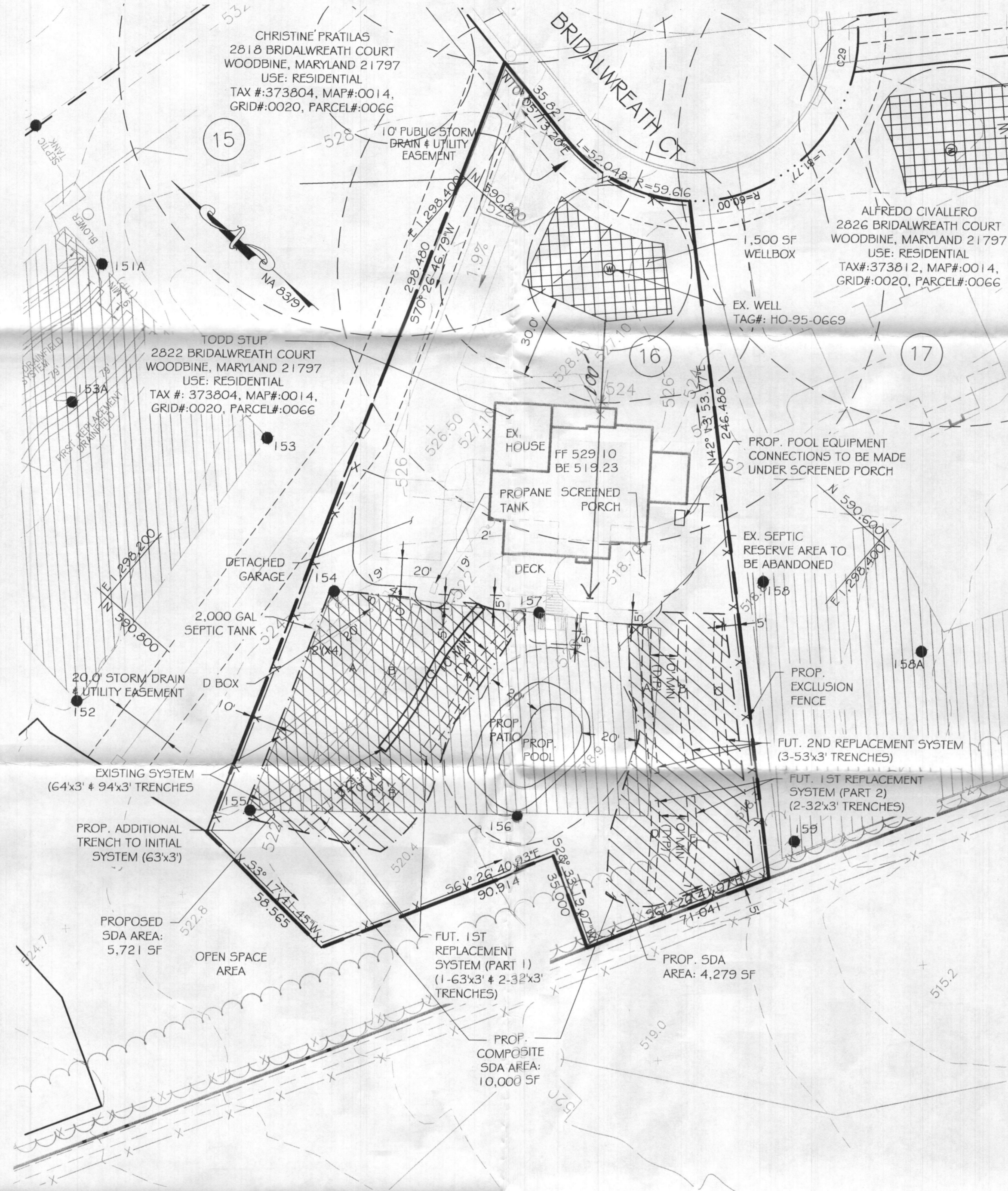
- OWNER: TODD A STUP
2822 BRIDALWREATH COURT
WOODBINE, MD 21797
PLAT NO. 19950 PHONE NUMBER: 301-440-5180
TAX MAP: 14 GRID: 0020 PARCEL: 0066 LOT: 1G
DEED REF. 1532G00312
SITE ADDRESS: LOT 1G BRIDALWREATH COURT
WOODBINE, MD 21797
- APPLICANT: BRIAN COLLINS
936 RIDGEBROOK RD
SPARKS, MD 21152
BRIAN.COLLINS@KCI.COM 410-316-7800
- BASE SQUARE FOOTAGE OF HOUSE: 4,765 SQ.FT.
- NUMBER OF BEDROOMS: 6
- EJECTOR PUMP REQUIRED TO SEWER BASEMENT
- DRIVEWAY CULVERT NOT REQUIRED PER THE APPROVED ROAD DRAWINGS.
- THE SUBJECT PROPERTY IS ZONED RC-DEO PER THE 2/2/04 COMPREHENSIVE ZONING PLAN AND PER COMF-LITE ZONING REGULATIONS DATED 7/28/06.
- BASE INFORMATION SHOWN ON THIS PLAN IS BASED ON PLANS PREPARED BY DMW, AND DATED 06/25/07. EXISTING TOPOGRAPHY BASED ON GRADING PLAN PREPARED BY DEMARIO DESIGN CONSULTANTS DATED 07/09/07 AND FIELD RUN TOPOGRAPHY PREPARED BY DDC INC IN JAN. 2012.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED PER THE PREVIOUSLY APPROVED FINAL PLAN.
- ANY DAMAGE TO PUBLIC "RIGHT-OF-WAY" OR PAVED PUBLIC ROADS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTORS EXPENSE IN ACCORDANCE WITH THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS.
- DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT OF THE CIVIL ENGINEER (KCI TECHNOLOGIES) MAY CAUSE THE WORK TO BE UNACCEPTABLE.
- THE DIMENSIONED DISTANCES SHALL GOVERN IF SCALED AND UNDIMENSIONED DISTANCES ON THIS PLAN ARE FOUND TO BE IN DISAGREEMENT.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM LOT AREA AND OWNERSHIP WIDTH AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
- ANY CHANGES TO PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN UPON BUILDING PERMIT REVIEW. THE SEPTIC SYSTEMS OF ALL PROPOSED STRUCTURES AND OR EXISTING STRUCTURE EXPANSIONS SHALL BE RE-EVALUATED TO DETERMINE SUFFICIENT SYSTEM CAPACITY.
- THE DEVELOPMENT OF THIS LOT DOES NOT REQUIRE AN ENVIRONMENTAL CONCEPT PLAN SINCE STORMWATER MANAGEMENT WAS PREVIOUSLY APPROVED UNDER F-07-38.
- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ.FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A REVISED SEWAGE AREA SHALL NOT BE NECESSARY.
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- TOPOGRAPHY SHOWN IS AT TWO-FOOT CONTOUR INTERVALS (ONE-FOOT INTERVALS ARE REQUIRED FOR MOUND SYSTEMS AND SYSTEMS WITH PIPE DEPTH LESS THAN TWO FEET) AND HAS BEEN FIELD VERIFIED OR FIELD RUN.
- A PROFESSIONAL SURVEYOR OR ENGINEER MUST MARK THE PROPERTY LINE WHEN TRENCHES ARE BEING INSTALLED IN AREAS WHERE THE PROPERTY LINE SETBACK HAS BEEN REDUCED.
- THE 1ST REPLACEMENT SYSTEM WILL REQUIRE A PRESSURIZED DISTRIBUTION DESIGN AND A PUMP TANK AND PUMP WILL BE NEEDED AT TIME OF REPAIR.

EXISTING SEWAGE DISPOSAL SYSTEM DATA (6 BEDROOM):

- INVERT @ FOUNDATION WALL: 519.23 (BASEMENT PUMP REQUIRED)
- 600 GPD BNR SYSTEM W/ 750 GALLON PUMP CHAMBER
EX. GRADE OVER TANK: 10"
PROPOSED GRADE OVER TANK: 1'-2"
INVERT: 520.75
- DISTRIBUTION BOX
EX. # PROPOSED GRADE OVER TANK: 3'-6"
INVERT: 519.12
- TRENCH LENGTH AND SPACING CALCULATIONS
TRENCH DESIGN (G BDRM X 1.50 GPD/BDRM = 750 GPD)
INITIAL SYSTEM
900 GPD / 0.8 GPD/SF (APP. RATE) = 1125
USE 3' WIDE TRENCH W/ 36" OF GRAVEL BELOW PIPE EFFECTIVE AREA 4' - 7'
1125 SF / 3' WIDTH = 375 LF x 0.50 = 187.5 LF MIN. TRENCH
10' MIN. SPACING BETWEEN TRENCH EDGES
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USE 3' WIDE TRENCH W/ 48" OF GRAVEL BELOW PIPE EFFECTIVE AREA 4' - 8'
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10' MIN. SPACING BETWEEN TRENCH EDGES
- 2 - 64" AND 1 - 94" TRENCHES FOR INITIAL SYSTEM
- 3 - 63" LONG TRENCHES FOR FIRST REPLACEMENT SYSTEM
- 3 - 53" LONG TRENCHES FOR SECOND REPLACEMENT SYSTEM

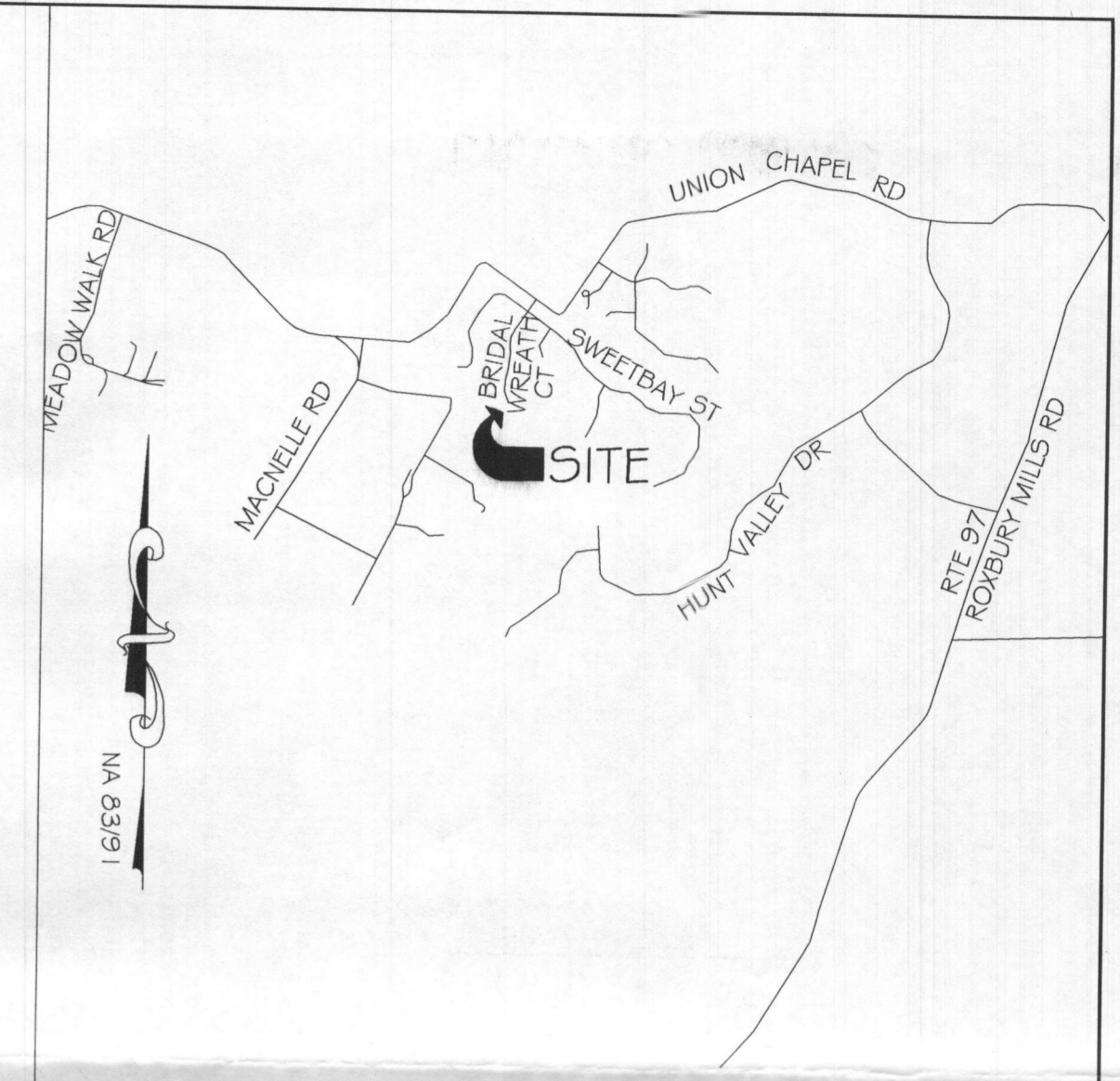
LOT 1G EXISTING SYSTEM TRENCH SPECIFICATIONS

| | GROUND ELEVATION | INVERT ELEVATION | BOTTOM ELEVATION |
|----------------|------------------|------------------|------------------|
| TRENCH A (64") | 522.7 | 517.7 | 514.7 |
| TRENCH B (94") | 522.0 | 517 | 514 |



LOT 1G PLAN VIEW

SCALE: 1"=30'



VICINITY MAP

SCALE: 1"=2000'

DRAWING LEGEND

- 500 EXISTING GRADE
- 502 PROPOSED LIMIT OF DISTURBANCE
- + 665.5 PROP. SPOT ELEV./FLOW ARROW
- PROPOSED 20' SEPTIC RESERVE BUFFER
- EXISTING 30' WELL BUFFER
- EXISTING 100' WELL BUFFER
- PROPERTY LINE
- BUILDING RESTRICTION LINE
- FENCE
- EXISTING SEWAGE DISPOSAL AREA
- PROPOSED SEWAGE DISPOSAL AREA
- 174 PASSED PERCOLATION TEST
- 127 FAILED PERCOLATION TEST
- EXISTING WELL
- WELLBOX

OWNER:
TODD A STUP
2822 BRIDAL WREATH COURT,
WOODBINE, MD 21797
301-440-5180

DEVELOPER:

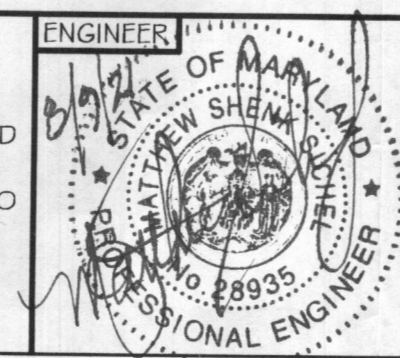
N/A

DESIGNER:
BRIAN COLLINS
936 RIDGEBROOK RD,
SPARKS, MD 21152
410-316-7800

NOTE:
THE PURPOSE OF THIS REVISION IS TO ADJUST THE SEPTIC TRENCH LOCATIONS TO ALLOW SPACE FOR AN IN-GROUND POOL TO BE INSTALLED. IT IS ALSO TO ADD AN ADDITIONAL TRENCH TO THE INITIAL SYSTEM TO ACCOUNT FOR THE FIRST FLOOR LIBRARY, WHICH QUALIFIES AS A BEDROOM, AND THE ADDITION OF A BEDROOM IN THE BASEMENT.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
[Signature]
HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. DATE: 8/17/21

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREIN IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF. LICENSE NO. 28935 EXPIRATION DATE: 1/15/2023



ENGINEERS
PLANNERS
SCIENTISTS
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KCI
TECHNOLOGIES
936 RIDGEBROOK ROAD
SPARKS, MARYLAND 21152
TELEPHONE: (410) 316-7800
Fax: (410) 316-7818

| NO. | | DATE | | REVISIONS | |
|-----|------|-------------|----|------------|--|
| NO. | DATE | DESCRIPTION | BY | DATE | |
| | | | | 08/09/2021 | |

LOT 1G PERC CERTIFICATION PLAN

BELLE HAVEN ESTATES
2822 BRIDALWREATH COURT
WOODBINE, MARYLAND 21797
TAX #: 373804, SUBDIVISION: 1401

DRAWING NO.

SHEET 1 OF 1
KCI JOB NUMBER

GENERAL NOTES

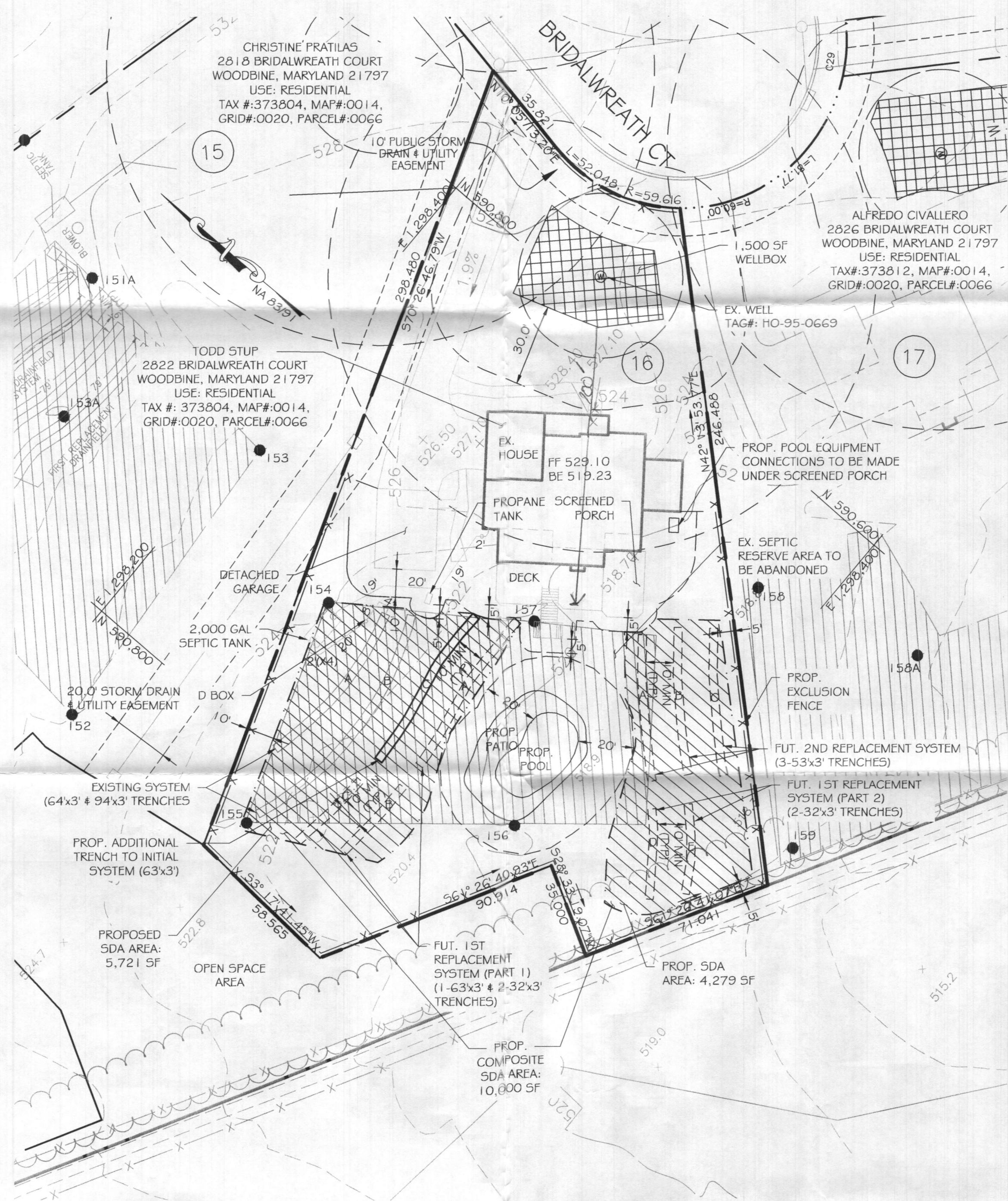
- OWNER: TODD A STUP
2822 BRIDALWREATH COURT
WOODBINE, MD 21797
FLAT NO. 19950
TAX MAP: 14 GRID: 0020 PARCEL: 0066 LOT: 16
SITE ADDRESS: LOT 16 BRIDALWREATH COURT
WOODBINE, MD 21797
PHONE NUMBER: 301-440-5180
DEED REF: 15326/00312
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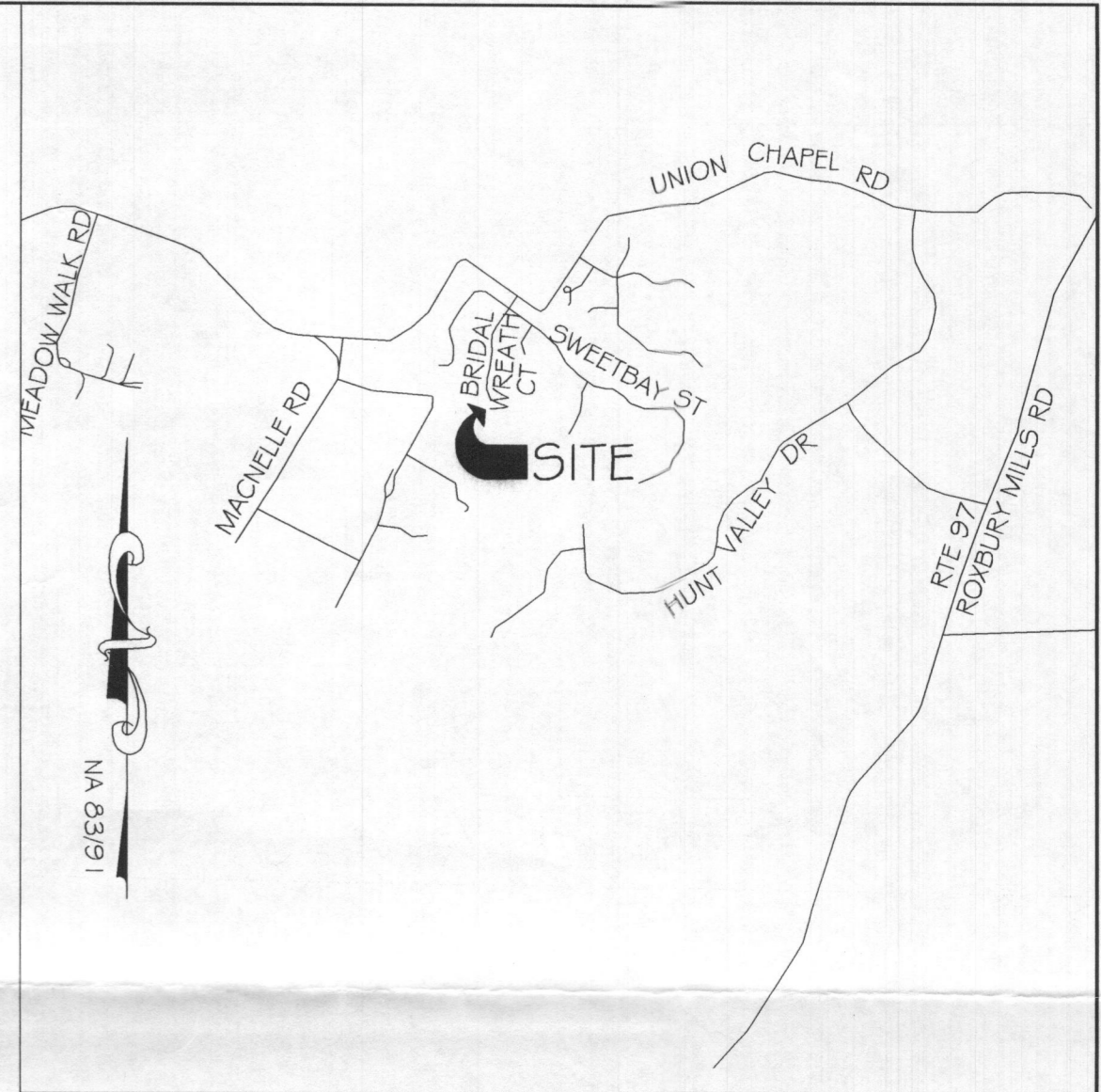
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LOT 16 EXISTING SYSTEM TRENCH SPECIFICATIONS

| TRENCH | GROUND ELEVATION | INVERT ELEVATION | BOTTOM ELEVATION |
|----------------|------------------|------------------|------------------|
| TRENCH A (64') | 522.7 | 517.7 | 514.7 |
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LOT 16 PLAN VIEW
SCALE: 1"=30'



VICINITY MAP
SCALE: 1"=2000'

DRAWING LEGEND

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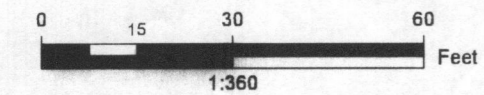
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301-440-5180

DEVELOPER:

N/A

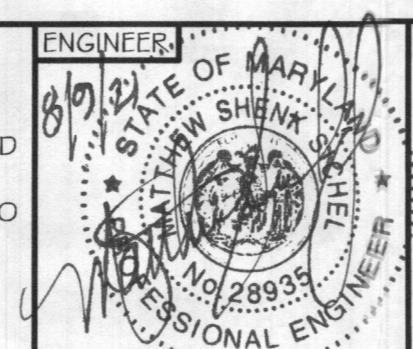
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SCALE: 1"=30'
DESIGNED BY: BKC
DRAWN BY: MM
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