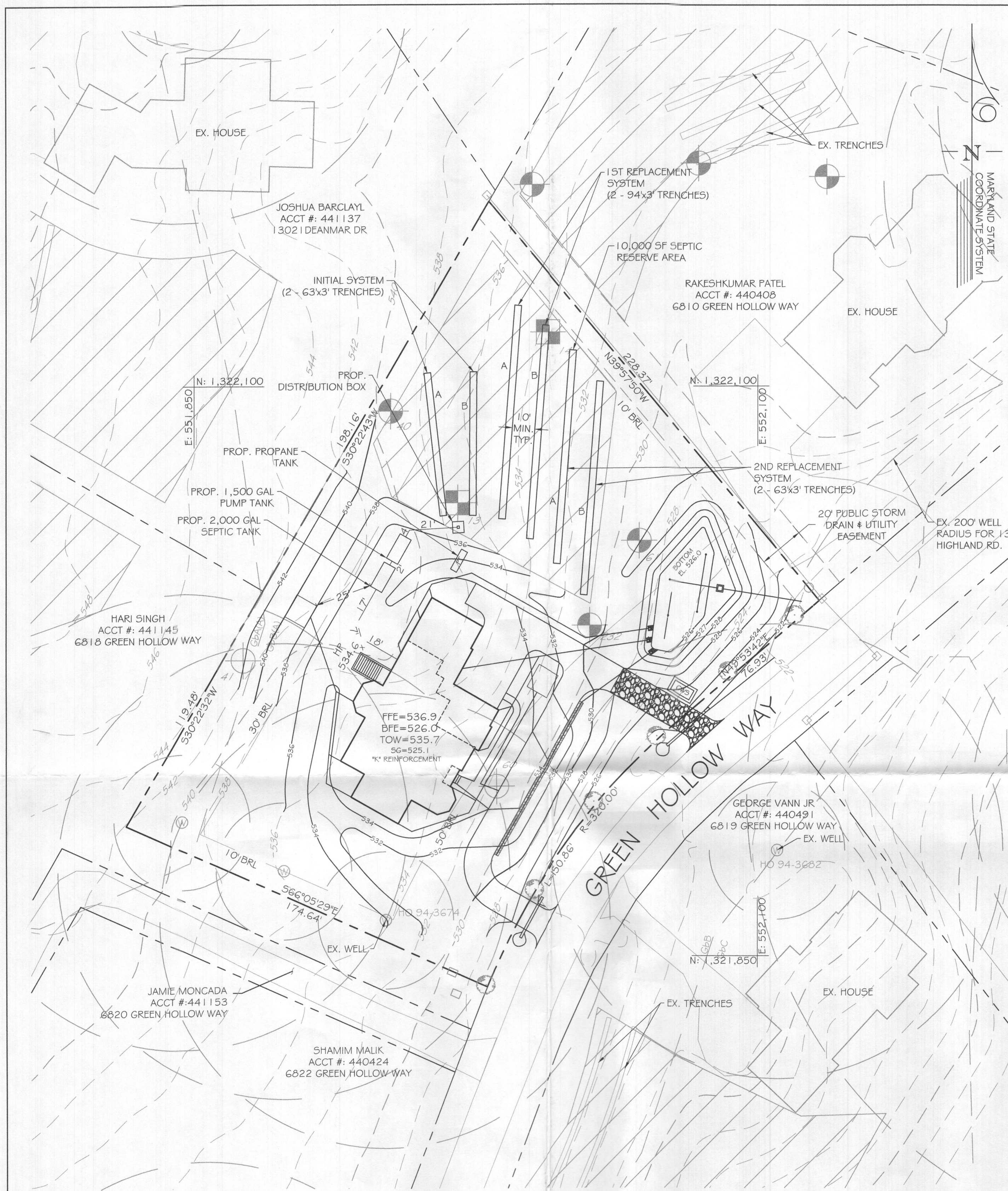
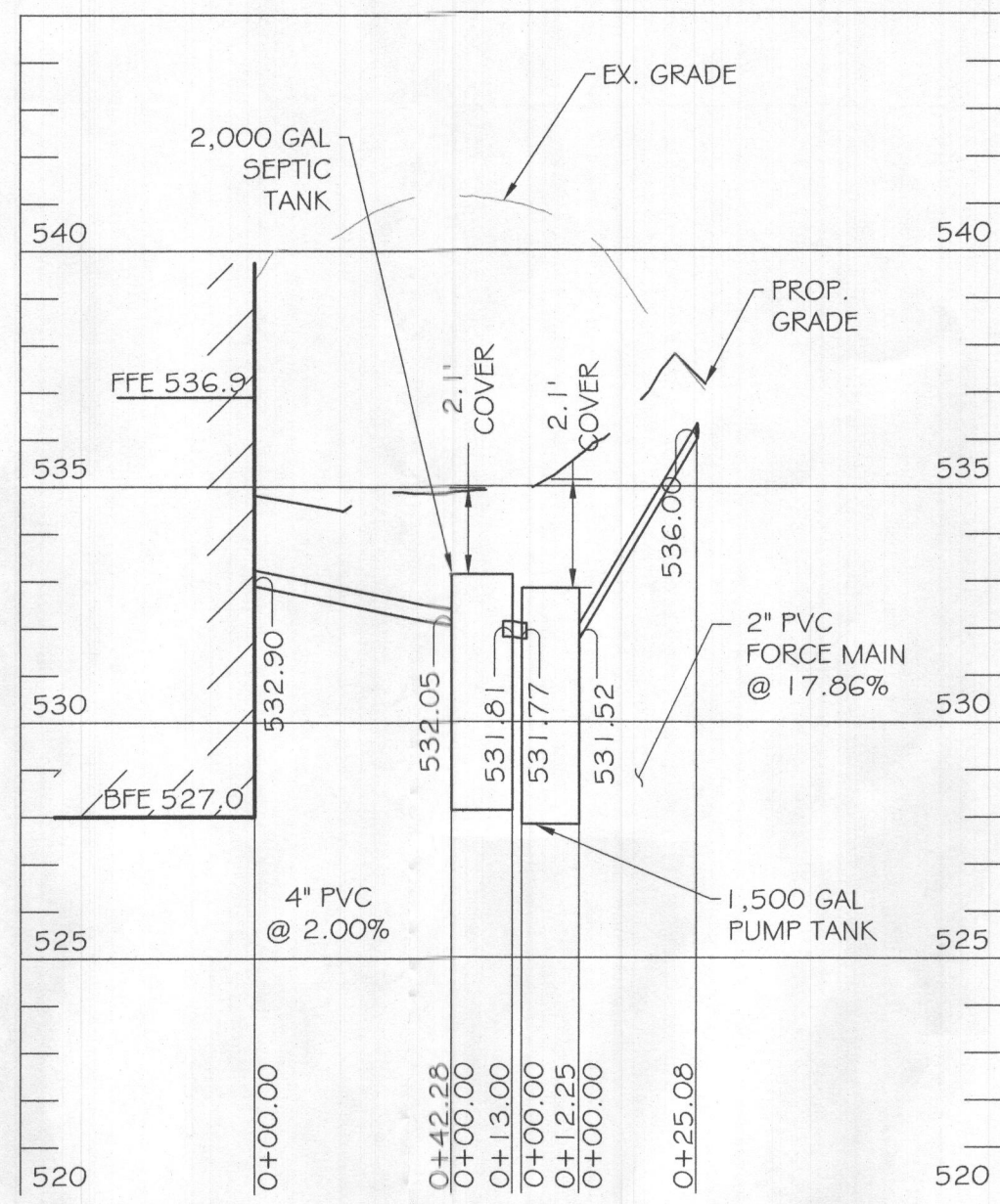




PLAN VIEW
SCALE: 1" = 30'

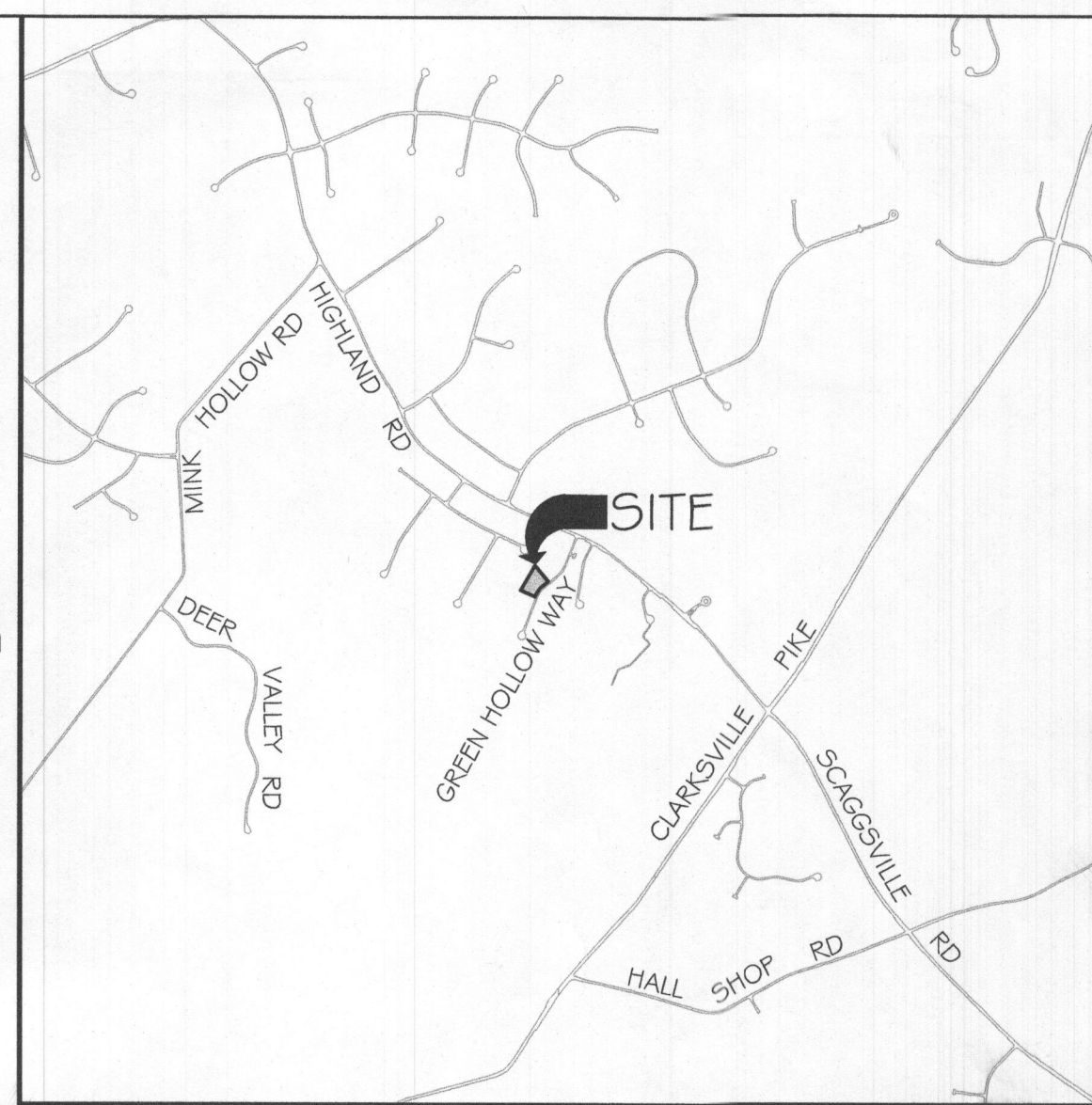
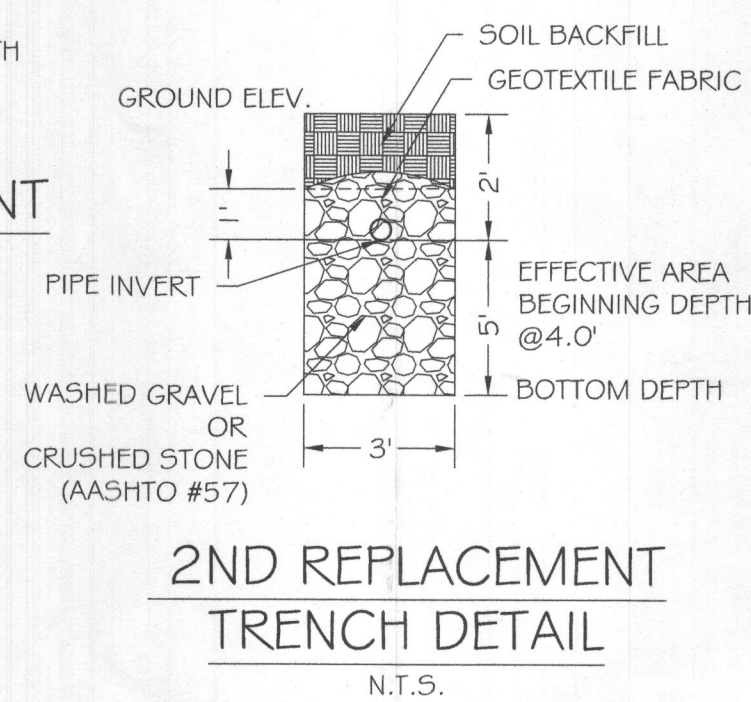
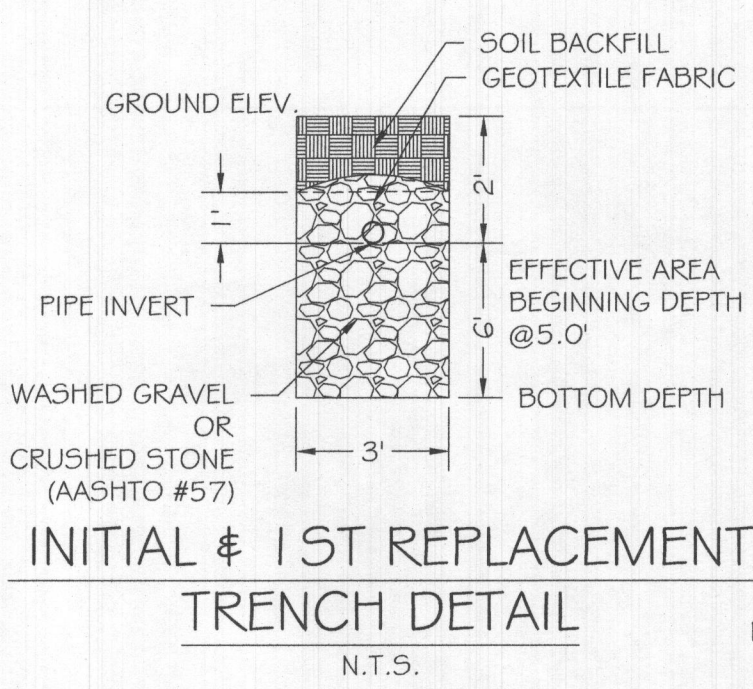
LEGEND

- EXISTING MINOR CONTOUR (2' INTERVAL)
- EXISTING MAJOR CONTOUR (10' INTERVAL)
- ADJACENT PROPERTY LINE
- EXISTING PROPERTY BOUNDARY
- EXISTING ROAD / EDGE OF PAVING
- EXISTING ROAD CENTERLINE
- PROPOSED MINOR CONTOUR (2' INTERVAL)
- PROPOSED MAJOR CONTOUR (10' INTERVAL)
- EXISTING BUILDING
- PROPOSED BUILDING
- PROPOSED SPOT ELEVATION
- LIMIT OF DISTURBANCE
- PROPOSED SILT FENCE
- SOIL DELINEATION LINE
- PERCOLATION TEST HOLE



EX. SEPTIC SYSTEM PROFILE

SCALE: H. 1" = 40'
V. 1" = 4'



VICINITY MAP
SCALE: 1" = 2000'

GENERAL NOTES:

- 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.
- THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
- ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
- THE WELL (TAG# 94-3674) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- 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.
- EXISTING SYSTEM LOCATION HAVE BEEN OBTAINED FROM THE HEALTH DEPARTMENT AND THE PROPERTY OWNER.
- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENT OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
- 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.
- ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE LOT SHOWN HEREIN COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- A PROFESSIONAL SURVEYOR OR ENGINEER MUST MARK THE PROPERTY LINE WHEN THE TRENCHES ARE BEING INSTALLED IN AREAS WHERE THE PROPERTY LINE SETBACK HAS BEEN REDUCED.

Approved Septic System Plan
Howard County Health Department
Signature: *[Signature]* Date: 7/19/2025

PERC RESULTS (1/05/1999 - 06/10/2002)	
TEST #	TIME FOR 1" DROP (MINUTES)
13	3.5
14	13
40	3
61	VISUAL-PASSED
AVG.	6.5

TRENCH LENGTH AND SPACING CALCULATIONS

TRENCH DESIGN (6 BDRM X 150 GPD/BDRM = 900 GPD)

INITIAL SYSTEM
900 GPD / 1.2 GPD/SF (APP. RATE) = 750 SF
USE 3' WIDE TRENCH W/ 42" OF GRAVEL BELOW PIPE, EFFECTIVE AREA 5' - 8'
750 SF / 3' WIDTH = 250 LF x 0.50 = 125 LF MIN. TRENCH
10' MIN. SPACING BETWEEN TRENCH EDGES

1ST REPLACEMENT SYSTEM
900 GPD / 0.8 GPD/SF (APP. RATE) = 1125 SF
USE 3' WIDE TRENCH W/ 36" OF GRAVEL BELOW PIPE, EFFECTIVE AREA 5' - 8'
1125 SF / 3' WIDTH = 375 LF x 0.50 = 188 LF MIN. TRENCH
10' MIN. SPACING BETWEEN TRENCH EDGES

2ND REPLACEMENT SYSTEM
900 GPD / 0.8 GPD/SF (APP. RATE) = 1125 SF
USE 3' WIDE TRENCH W/ 36" OF GRAVEL BELOW PIPE, EFFECTIVE AREA 4' - 7'
1125 SF / 3' WIDTH = 375 LF x 0.50 = 188 LF MIN. TRENCH
10' MIN. SPACING BETWEEN TRENCH EDGES

2 - 63' LONG TRENCHES FOR INITIAL SYSTEM
2 - 94' LONG TRENCHES FOR 1ST REPLACEMENT SYSTEM
2 - 94' LONG TRENCHES FOR 2ND REPLACEMENT SYSTEM

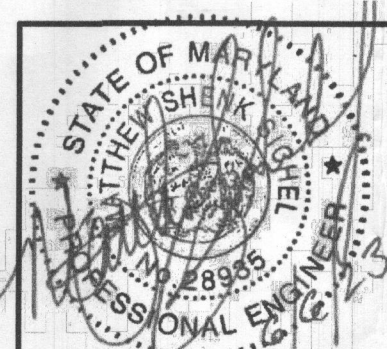
APPROXIMATE ELEVATIONS

	GROUND ELEVATION	INVERT ELEVATION	BOTTOM ELEVATION
INITIAL SYSTEM TRENCH A	537.8	535.8	529.2
INITIAL SYSTEM TRENCH B	536.2	534.2	529.2
1ST REPLACEMENT TRENCH A	534.5	532.5	525.8
1ST REPLACEMENT TRENCH B	533.8	531.8	525.8
2ND REPLACEMENT TRENCH A	532.4	530.4	523.3
2ND REPLACEMENT TRENCH B	531.3	529.3	523.3

RELATIVE DEPTHS

	PIPE INVERT (FT)	EFFECTIVE AREA BEGINNING (FT)	MAXIMUM TRENCH BOTTOM (FT)
INITIAL SYSTEM TRENCHES	2.0	5.0	8.0
1ST REPLACEMENT TRENCHES	2.0	5.0	8.0
2ND REPLACEMENT TRENCHES	2.0	4.0	7.0

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: 1/15/2025



ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS
936 RIDGEBROOK ROAD
SPARKS, MARYLAND 21152
TELEPHONE: (410) 316-7800
FAX: (410) 316-7818

REVISIONS			
NO.	DATE	DESCRIPTION	BY

BATRA & KUMAR PROPERTY
ON-SITE SEWAGE DISPOSAL SYSTEM PLAN
6816 GREEN HOLLOW WAY
HIGHLAND, MD 20777

DRAWING NO.
ZhoGH2
SHEET 1 OF 2
KCI JOB NUMBER
271803754.119

OWNER:
RAKHEE BATRA & SANJEEV KUMAR
11288 TERRACE LANE
FULTON, MD 20759
(202) 878-0303

DEVELOPER:
KEYSTONE CUSTOM HOMES
GREG REINSMITH
227 GRANITE RUN DR, SUITE 100,
LANCASTER, PA 17601
(717) 464-9060 EXT. 1108

DESIGNER:
KCI TECHNOLOGIES INC.
FRANK WHITE
936 RIDGEBROOK RD,
SPARKS, MD 21152
(410) 316-0803