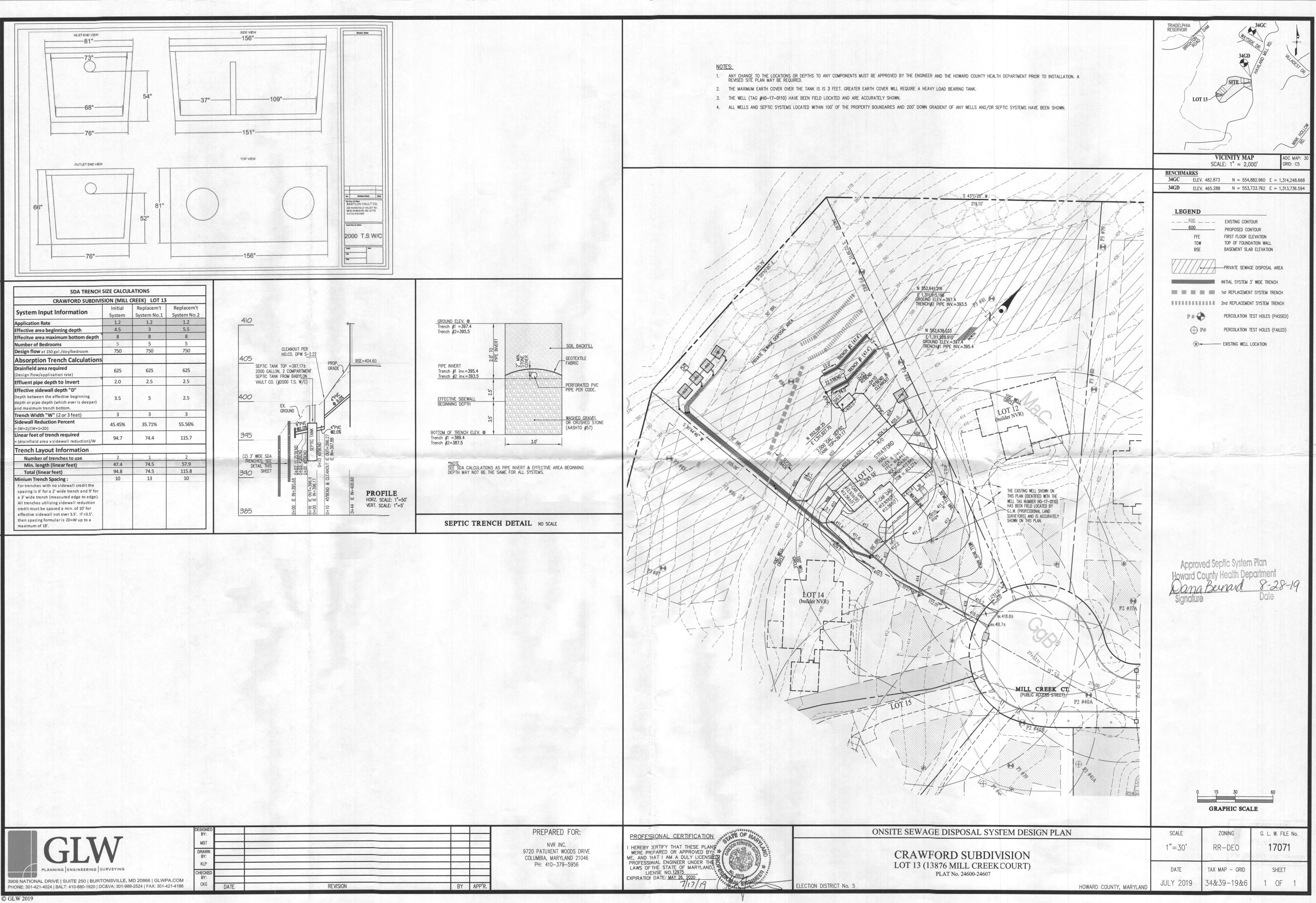
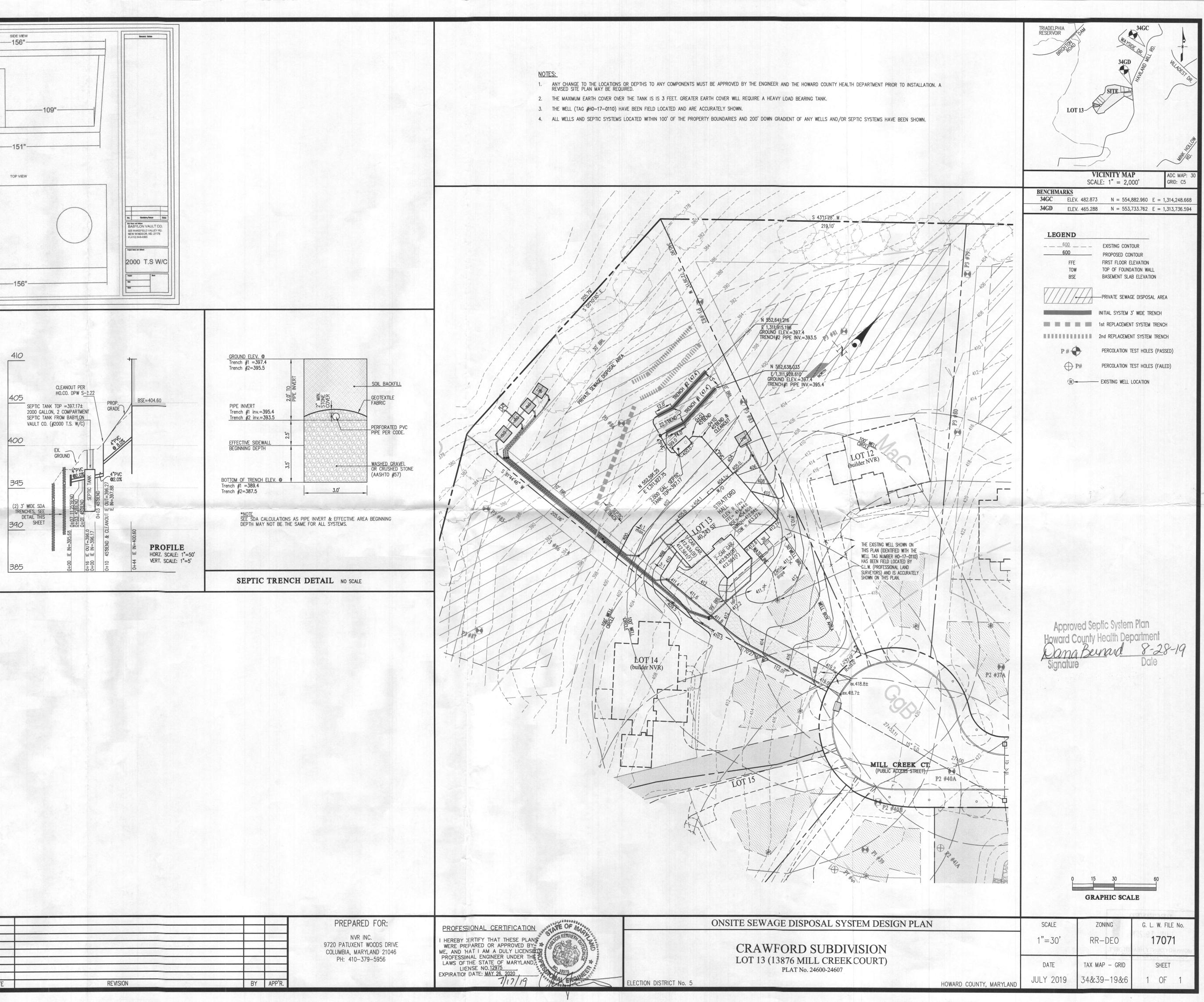
| Howard County Health Department | | Bureau of Environmental Health 8930 Stanford Boulevard, Columbia, MD 21045 Main: 410-313-2640 Fax: 410-313-2648 TDD 410-313-2323 Toll Free 1-866-313-6300 www.hchealth.org Facebook: www.facebook.com/hocohealth Maura J. Rossman, M.D., Health Officer | | | | | | |
|--|--|---|-----------------|------------------------|----------------|--|--|--|
| | RECEIPT DATE: 11-12-19 ONSITE SEWAGE DISPOSAL SYSTEM P 5100457 | | | | | | | |
| APPROVAL DATE: 11/19/19 STPERMIT: CONSTRUCTION A | | | | | | | | |
| PROPERTY ADDRESS: 13876 Mill Creek Court SUBDIVISION: Mill Creek LOT: 13 TAX ID: | | | | | | | | |
| | R: South Carroll Backh | | | backhoe@comcast.com | | | | |
| | | Bottom Road, Westminster, MI | | PHONE: 410- | | | | |
| | WNER: NVR INC. | | EMAIL: | · | | | | |
| OWNER ADDR | ESS: 9720 Patuxent Wo | ods Drive, Columbia, MD 2104 | 6 | PHONE: 410-379- | •5956 | | | |
| SEPTIC TANK S | IZE (GALLONS): 2000 | TANK MANUFAC | TURER: Ba | bylon | | | | |
| PUMP MODEL | : <u>N/A</u> | PUMP SIZE N/A | PUMP TAN | IK CAPACITY: N/A | | | | |
| DISTRIBUTIO | N SYSTEM: 🛛 GRAVI | TY PRESSURE DOSED | BEDROOMS: | 5 APPLICATION R | ATE 1.2 | | | |
| | LINEAR FEET REQUIRED: | 94.7 | | INLET DEPTH: 4 | | | | |
| TRENCHES: | TRENCH WIDTH: | 3 | | BOTTOM DEPTH: 8 | | | | |
| | MINIMUM SPACE BETWEEN TRENCHES: | EFF | ECTIVE AREA BEC | GINNING DEPTH: 4.5 | | | | |
| LOCATION: | | I. SEWAGE DISPOSAL AREA AND TA CONSTRUCTION INSPECTION. | ANK LOCATIONS | MUST BE STAKED BY LIC | ENSED | | | |
| NOTES: | | | | | | | | |
| ISSUED BY: | Dana Bernard | ISSUE DATE: | | EXPIRATION DATE: | | | | |
| NOTE: CONT | RACTOR MUST SCHEDULE | A PRE-CONSTRUCTION INSPECTIO | N PRIOR TO BEG | INNING ANY INSTALLATIO | ON | | | |
| 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 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 Image: Mote: ELECTRICAL PERMIT ISSUED Image: Mote: 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. | | | | | | | | |

| NOT TO SCALE | TRENCH/DRAINFIELD DATA WIDTH INLET BOTTOM 3' 2' 7' NUMBER OF TRENCHES 2 |
|---|--|
| 47" 47" 41 41 41 41 41 47" | TOTAL LENGTH ABSORPTION AREA <u>2.82 sq ft + sideu</u> DISTRIBUTION BOX LEVEL DISTRIBUTION BOX BAFFLE |
| 1.5' 2' -36' 33' -36' (20') | DISTRIBUTION BOX PORT SEPTIC TANK DATA SEPTIC TANK 1 LEVEL MANUFACTURER |
| EK HOUSE | CAPACITYGAL SEAM LOCGAL TANK LID DEPTH BAFFLES BAFFLE FILTER MANHOLE LOC FLONT BACK |
| | 6" PORT LOC WATERTIGHT TEST SLOTTED DATE ON LID PUMP/SEPTIC TANK LEVEL MANUFACTURER |
| 39' 34' | CAPACITYGAL SEAM LOC TANK LID DEPTH BAFFLES BAFFLE FILTER MANHOLE LOC |
| ROAD NAME MILL CREEK CORF PRE-CONSTRUCTION: | 6" PORT LOC WATERTIGHT TEST SLOTTED DATE ON LID |
| 14/13/2019 TANK, SDA, TREACHES STAKED. (~1-2' CUT AT DISTAL ENDS OF TREACHE | |
| INSTALLATION: 11/14/2019 TANK SET @ 11/15/20 INSTALLED TO TANK. UPPER TRENCH BET | |
| 11/19/19 D-box set, two trenches complete. (SD | |
| FINAL INSPECTOR DUSAN Thomas . DATE OF AF | PROVAL 11/19/19 |

P



| SDA TRENCH S | IZE CALCUL | ATIONS | a set in | |
|---|-------------------|---------------------------|---------------------------|--|
| CRAWFORD SUBDIVIS | ION (MILL | CREEK) LOT 13 | 1999 C. 19 | |
| 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 | 4.5 | 3 | 5.5 | |
| Effecitve area maximum bottom depth | 8 | 8 | 8 | |
| Number of Bedrooms | 5 | 5 | 5 | |
| Design flow at 150 gal./day/bedroom | 750 | 750 | 750 | |
| Absorption Trench Calculations | the second | | | |
| Drainfield area required (Design flow/application rate) | 625 | 625 | 625 | |
| Effluent pipe depth to invert | 2.0 | 2.5 | 2.5 | |
| Effective sidewall depth "D" Depth between the effective beginning depth or pipe depth (which ever is deeper) and maximum trench bottom. | 3.5 | 5 | 2.5 | |
| Trench Width "W" (2 or 3 feet) | 3 | 3 | 3 | |
| Sidewall Reduction Percent = (W+2)/(W+1+2D) | 45.45% | 35.71% | 55.56% | |
| Linear feet of trench required = (drainfield area x sidewall reduction)/W | 94.7 | 74.4 | 115.7 | |
| Trench Layout Information | | | | |
| Number of trenches to use | 2 | 1 | 2 | |
| Min. length (linear feet) | 47.4 | 74.5 | 57.9 | |
| Total (linear feet) | 94.8 | 74.5 | 115.8 | |
| Minium Trench Spacing : | 10 | 13 | 10 | |
| 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 formular is 2D+W up to a maximum of 18'. | | | | |





| DESIGNED BY: | | | | |
|-----------------|------|----------|--|--|
| MBT | | | | |
| DRAWN | | | | |
| BY: | | | | |
| KLP | | | | |
| CHECKED BY: | | | | |
| СКС | DATE | REVISION | | |