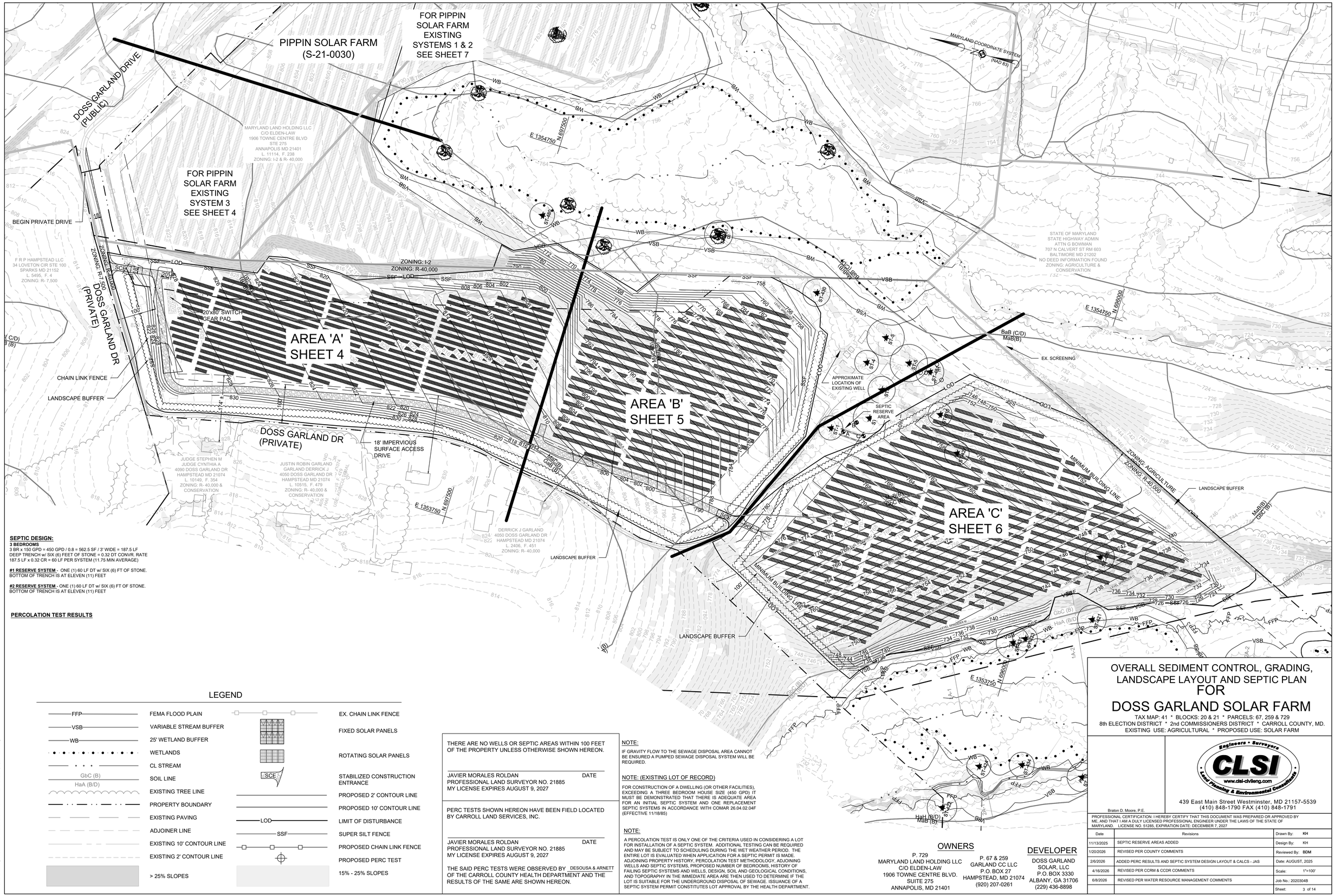


**SEPTIC DESIGN:**
**3 BEDROOMS**
3 BR x 150 GPD = 450 GPD / 0.8 = 562.5 SF / 3' WIDE = 187.5 LF
DEEP TRENCH w/ SIX (6) FEET OF STONE = 0.32 DT CONVR. RATE
187.5 LF x 0.32 CR = 60 LF PER SYSTEM (11.75 MIN AVERAGE)

**#1 RESERVE SYSTEM -** ONE (1) 60 LF DT w/ SIX (6) FT OF STONE.
BOTTOM OF TRENCH IS AT ELEVEN (11) FEET

**#2 RESERVE SYSTEM -** ONE (1) 60 LF DT w/ SIX (6) FT OF STONE.
BOTTOM OF TRENCH IS AT ELEVEN (11) FEET

**PERCOLATION TEST RESULTS**

## LEGEND

| | |
|---|---|
| FFP | FEMA FLOOD PLAIN |
| VSB | VARIABLE STREAM BUFFER |
| WB | 25' WETLAND BUFFER |
| | WETLANDS |
| | CL STREAM |
| GbC (B) | SOIL LINE |
| HaA (B/D) | |
| | EXISTING TREE LINE |
| | PROPERTY BOUNDARY |
| | EXISTING PAVING |
| | ADJOINER LINE |
| | EXISTING 10' CONTOUR LINE |
| | EXISTING 2' CONTOUR LINE |
| | > 25% SLOPES |
| | EX. CHAIN LINK FENCE |
| | FIXED SOLAR PANELS |
| | ROTATING SOLAR PANELS |
| SCE | STABILIZED CONSTRUCTION ENTRANCE |
| | PROPOSED 2' CONTOUR LINE |
| | PROPOSED 10' CONTOUR LINE |
| LOD | LIMIT OF DISTURBANCE |
| SSF | SUPER SILT FENCE |
| | PROPOSED CHAIN LINK FENCE |
| | PROPOSED PERC TEST |
| | 15% - 25% SLOPES |

THERE ARE NO WELLS OR SEPTIC AREAS WITHIN 100 FEET OF THE PROPERTY UNLESS OTHERWISE SHOWN HEREON.

JAVIER MORALES ROLDAN DATE
PROFESSIONAL LAND SURVEYOR NO. 21885
MY LICENSE EXPIRES AUGUST 9, 2027

PERC TESTS SHOWN HEREON HAVE BEEN FIELD LOCATED BY CARROLL LAND SERVICES, INC.

JAVIER MORALES ROLDAN DATE
PROFESSIONAL LAND SURVEYOR NO. 21885
MY LICENSE EXPIRES AUGUST 9, 2027

THE SAID PERC TESTS WERE OBSERVED BY DESOUSA & ARNETT OF THE CARROLL COUNTY HEALTH DEPARTMENT AND THE RESULTS OF THE SAME ARE SHOWN HEREON.

NOTE:
IF GRAVITY FLOW TO THE SEWAGE DISPOSAL AREA CANNOT BE ENSURED A PUMPED SEWAGE DISPOSAL SYSTEM WILL BE REQUIRED.

NOTE: (EXISTING LOT OF RECORD)
FOR CONSTRUCTION OF A DWELLING (OR OTHER FACILITIES), EXCEEDING A THREE BEDROOM HOUSE SIZE (450 GPD) IT MUST BE DEMONSTRATED THAT THERE IS ADEQUATE AREA FOR AN INITIAL SEPTIC SYSTEM AND ONE REPLACEMENT SEPTIC SYSTEMS IN ACCORDANCE WITH COMAR 26.04.02.04F (EFFECTIVE 11/18/85)

NOTE:
A PERCOLATION TEST IS ONLY ONE OF THE CRITERIA USED IN CONSIDERING A LOT FOR INSTALLATION OF A SEPTIC SYSTEM. ADDITIONAL TESTING CAN BE REQUIRED AND MAY BE SUBJECT TO SCHEDULING DURING THE WET WEATHER PERIOD. THE ENTIRE LOT IS EVALUATED WHEN APPLICATION FOR A SEPTIC PERMIT IS MADE. ADJOINING PROPERTY HISTORY, PERCOLATION TEST METHODOLOGY, ADJOINING WELLS AND SEPTIC SYSTEMS, PROPOSED NUMBER OF BEDROOMS, HISTORY OF FAILING SEPTIC SYSTEMS AND WELLS, DESIGN, SOIL AND GEOLOGICAL CONDITIONS, AND TOPOGRAPHY IN THE IMMEDIATE AREA ARE THEN USED TO DETERMINE IF THE LOT IS SUITABLE FOR THE UNDERGROUND DISPOSAL OF SEWAGE. ISSUANCE OF A SEPTIC SYSTEM PERMIT CONSTITUTES LOT APPROVAL BY THE HEALTH DEPARTMENT.

## OWNERS

P. 729
MARYLAND LAND HOLDING LLC
C/O ELDEN-LAW
1906 TOWNE CENTRE BLVD.
SUITE 275
ANNAPOLIS, MD 21401

P. 67 & 259
GARLAND CC LLC
P.O. BOX 27
HAMPSTEAD, MD 21074
(920) 207-0261

## DEVELOPER

DOSS GARLAND SOLAR, LLC
P.O. BOX 3330
ALBANY, GA 31706
(229) 436-8898

# OVERALL SEDIMENT CONTROL, GRADING, LANDSCAPE LAYOUT AND SEPTIC PLAN FOR DOSS GARLAND SOLAR FARM

TAX MAP: 41 * BLOCKS: 20 & 21 * PARCELS: 67, 259 & 729
8th ELECTION DISTRICT * 2nd COMMISSIONERS DISTRICT * CARROLL COUNTY, MD.
EXISTING USE: AGRICULTURAL * PROPOSED USE: SOLAR FARM


Engineers • Surveyors
CLSI
Land Planning & Environmental Consultants
www.clsi-civileng.com
439 East Main Street Westminster, MD 21157-5539
(410) 848-1790 FAX (410) 848-1791
Braton D. Moore, P.E.


PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51285, EXPIRATION DATE: DECEMBER 7, 2027

| Date | Revisions | | |
|---|---|---|---|
| 11/13/2025 | SEPTIC RESERVE AREAS ADDED | Drawn By: | KH |
| 1/20/2026 | REVISED PER COUNTY COMMENTS | Design By: | KH |
| 2/6/2026 | ADDED PERC RESULTS AND SEPTIC SYSTEM DESIGN LAYOUT & CALCS - JAS | Reviewed By: | BDM |
| 4/16/2026 | REVISED PER CCRM & CCDR COMMENTS | Date: | AUGUST, 2025 |
| 6/8/2026 | REVISED PER WATER RESOURCE MANAGEMENT COMMENTS | Scale: | 1"=100' |
| | | Job No.: | 2020304B |
| | | Sheet: | 3 of 14 |

CAD Drawing File Name: G:\2020\2020304B\CONCEPT\SHEET\03\LAYOUT.dwg

County File No. S-25-0022