

EXISTING AGRICULTURAL DRAIN TILE INVESTIGATION PLAN

SV CSG Welter Road Solar LLC

Prepared for: Sunvest Solar LLC

Section no. 15, Virgil Twp., Kane Co., IL

EXISTING SUBSURFACE AGRICULTURAL DRAIN TILE INVESTIGATION REPORT

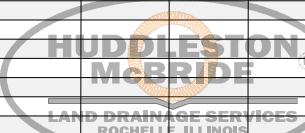
SV CSG Welter Road Solar LLC

Sunvest Solar LLC

SV CSG Welter Road Solar LLC / Sunvest Solar LLC, FIELD FILE NO. 18-14-15, DATE: 4/23/26.
IN ACCORDANCE WITH ILLINOIS COUNTY AND AIAA EXISTING DRAIN TILE INVESTIGATION & LOCATION STANDARDS
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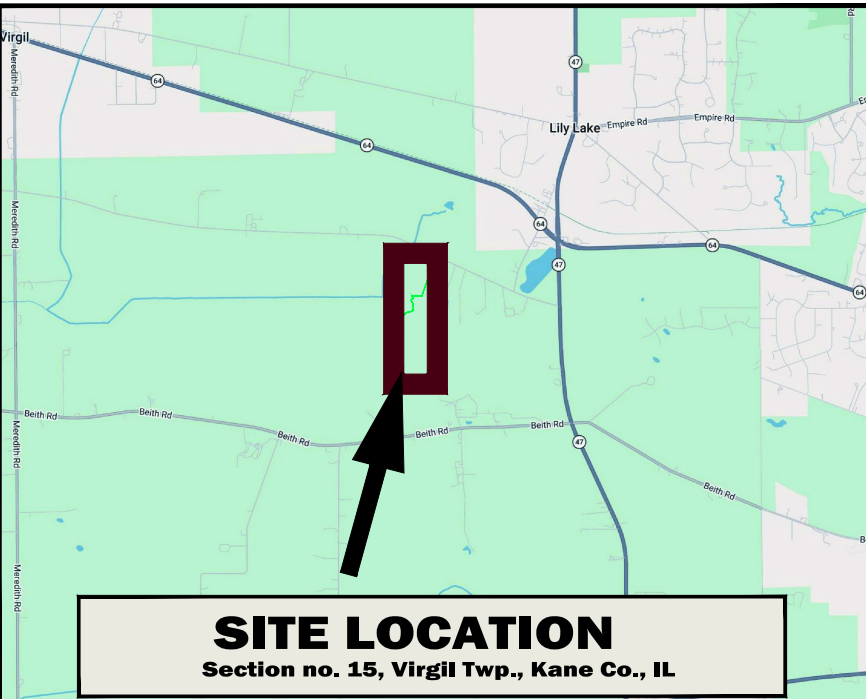
DESCRIPTION CHART NO. 1A:

ID NO.	SZ.	TYPE / QUALITY	FLOW %	SILT %	DEPTH GRID/IN.	FIELD NOTES:
A	—	NO DRAIN TILES	—	—	—	NO DRAIN TILE LOCATED
B1	4"	CLAY / GOOD	SLIGHT	25%	30"	SILT RESTRICTED / PARTIAL CAPACITY
B2	4"	CLAY / GOOD	SLIGHT	50%	38"	SILT RESTRICTED / PARTIAL CAPACITY
B3	4"	CLAY / FAIR	SLIGHT	70%	24"	SILT RESTRICTED / PARTIAL CAPACITY
C1	4"	CLAY / GOOD	SLIGHT	—	24"	ACTIVE FLOW RATE AND CAPACITY
C2	4"	CLAY / GOOD	SLIGHT	FULL	22"	SILT RESTRICTED / NO CAPACITY
C3	4"	CLAY / GOOD	SLIGHT	—	34"	ACTIVE FLOW RATE AND CAPACITY
E1	4"	CLAY / GOOD	SLIGHT	22%	22"	ACTIVE FLOW RATE AND CAPACITY
E2	4"	CLAY / GOOD	SLIGHT	—	28"	ACTIVE FLOW RATE AND CAPACITY
F2	3"	CLAY / GOOD	SLIGHT	25%	22"	SILT RESTRICTED / PARTIAL CAPACITY
H	—	NO DRAIN TILES	—	—	—	NO DRAIN TILE LOCATED
H1	4"	CLAY / GOOD	SLIGHT	30"	30"	ACTIVE FLOW RATE AND CAPACITY
H2	4"	CLAY / GOOD	SLIGHT	20"	20"	ACTIVE FLOW RATE AND CAPACITY
H3	10"	CLAY / POOR	SLIGHT	FULL	24"	SILT RESTRICTED / NO CAPACITY
I2	10"	CONC. / GOOD	75%	SLIGHT	40"	ACTIVE FLOW RATE AND CAPACITY
K1	4"	CLAY / FAIR	SLIGHT	SLIGHT	23"	ACTIVE FLOW RATE AND CAPACITY
K2	4"	CLAY / FAIR	SLIGHT	SLIGHT	28"	ACTIVE FLOW RATE AND CAPACITY
L	—	NO DRAIN TILES	—	—	—	NO DRAIN TILE LOCATED
N1	6"	CLAY / GOOD	FLOODED	50%	39"	RESTRICTED FLOW AND SURCHARGED
O	—	NO DRAIN TILES	—	—	—	NO DRAIN TILE LOCATED
P1	3"	CLAY / GOOD	SLIGHT	SLIGHT	28"	ACTIVE FLOW RATE AND CAPACITY
P2	4"	CLAY / GOOD	SLIGHT	SLIGHT	28"	ACTIVE FLOW RATE AND CAPACITY
R1	4"	CLAY / GOOD	SLIGHT	SLIGHT	28"	ACTIVE FLOW RATE AND CAPACITY
S	—	NO DRAIN TILES	—	—	—	NO DRAIN TILE LOCATED
V	—	NO DRAIN TILES	—	—	—	NO DRAIN TILE LOCATED



DESCRIPTION CHART NO. 1B:

DATA POINT	SZ.	TYPE / QUALITY	FLOW %	SILT %	DEPTH HUB/IN.	FIELD NOTES:
1	4"	CLAY / GOOD	SLIGHT	25%	18"	LATERAL AT PROPERTY EGRESS
2	4"	CLAY / GOOD	SLIGHT	50%	19"	LATERAL AT PROPERTY EGRESS
3	4"	CLAY / GOOD	SLIGHT	70%	20"	LATERAL AT PROPERTY EGRESS
4	4"	CLAY / GOOD	SLIGHT	24"	24"	LATERAL AT PROPERTY EGRESS
5	4"	CLAY / GOOD	SLIGHT	24"	24"	LATERAL AT PROPERTY EGRESS
6	4"	CLAY / GOOD	SLIGHT	FULL	18"	LATERAL AT PROPERTY EGRESS
7	4"	CLAY / POOR	SLIGHT	24"	24"	LATERAL AT PROPERTY EGRESS
8	4"	CLAY / GOOD	SLIGHT	SLIGHT	24"	LATERAL AT PROPERTY EGRESS
9	4"	CLAY / GOOD	SLIGHT	SLIGHT	24"	LATERAL AT PROPERTY EGRESS
10	4"	CLAY / GOOD	SLIGHT	SLIGHT	23"	LATERAL AT PROPERTY EGRESS
11	4"	CLAY / GOOD	SLIGHT	SLIGHT	23"	LATERAL AT PROPERTY EGRESS
12	3"	CLAY / GOOD	SLIGHT	SLIGHT	27"	LATERAL AT PROPERTY EGRESS
13	4"	CLAY / GOOD	SLIGHT	SLIGHT	23"	LATERAL AT PROPERTY EGRESS
14	4"	CLAY / GOOD	SLIGHT	SLIGHT	31"	LATERAL AT PROPERTY EGRESS
15	4"	CLAY / GOOD	SLIGHT	SLIGHT	29"	LATERAL AT PROPERTY EGRESS
16	4"	CLAY / GOOD	SLIGHT	SLIGHT	29"	LATERAL AT PROPERTY EGRESS
17	4"	CLAY / GOOD	SLIGHT	SLIGHT	23"	LATERAL AT PROPERTY EGRESS
18	4"	CLAY / GOOD	SLIGHT	SLIGHT	29"	LATERAL AT PROPERTY EGRESS
19	4"	CLAY / GOOD	SLIGHT	SLIGHT	29"	LATERAL AT PROPERTY EGRESS
20	4"	CLAY / GOOD	SLIGHT	SLIGHT	42"	LATERAL AT PROPERTY EGRESS
21	4"	CLAY / GOOD	SLIGHT	SLIGHT	29"	LATERAL AT PROPERTY EGRESS
22	4"	CLAY / GOOD	SLIGHT	SLIGHT	31"	LATERAL AT PROPERTY EGRESS
23	6"	CLAY / GOOD	FLOODED	50%	40"	MAINLINE AT PROPERTY EGRESS
24	10"	CONC. / GOOD	75%	SLIGHT	33"	LATERAL AT PROPERTY EGRESS
25	10"	CONC. / GOOD	75%	SLIGHT	40"	LATERAL AT PROPERTY EGRESS



SITE LOCATION

Section no. 15, Virgil Twp., Kane Co., IL

MAP LEGEND:

- EXIST. DRAIN TILE COVER MEASUREMENT, TOP OF TILE TO SURFACE
- EX. POLYETHYLENE MAINLINE OR SYSTEM PART
- EX. CLAY DRAIN TILE MAINLINE OR SYSTEM PART
- EX. CONCRETE DRAIN TILE MAINLINE OR SYSTEM PART
- EXISTING DRAIN TILE CONTINUES TO UPLAND WATERSHED
- EXISTING DRAIN TILE OUTLETS TO SURFACE
- EXIST. DRAIN TILE (1) INSPECTION STRUCTURE / (2) CATCH BASIN
- EXIST. DRAIN TILE LOCATED END / (2) ASSUMED END
- EXISTING DRAIN TILE CONTINUES TO OFF-SITE OUTLET SYSTEM
- EXISTING DRAIN TILE FAILURE / FLOW SURCHARGE TO SURFACE
- EXISTING DRAIN TILE MAINTAINED BY SPECULATION AND ASSUMPTION
- EXISTING DRAIN TILE ABANDONED (NOT FUNCTIONAL)
- EXISTING DRAIN TILE "BLOWOUT" OR FAILURE
- HAND PROBE OR ELECTRONIC SCAN FOR DRAIN TILE LOCATION
- INVESTIGATION SLIT TRENCH FOR INVESTIGATION
- SPECIFIC PIT EXCAVATION FOR INVESTIGATION
- SURVEY DATA POINTS
- REPORT IDENTIFICATION NUMBER

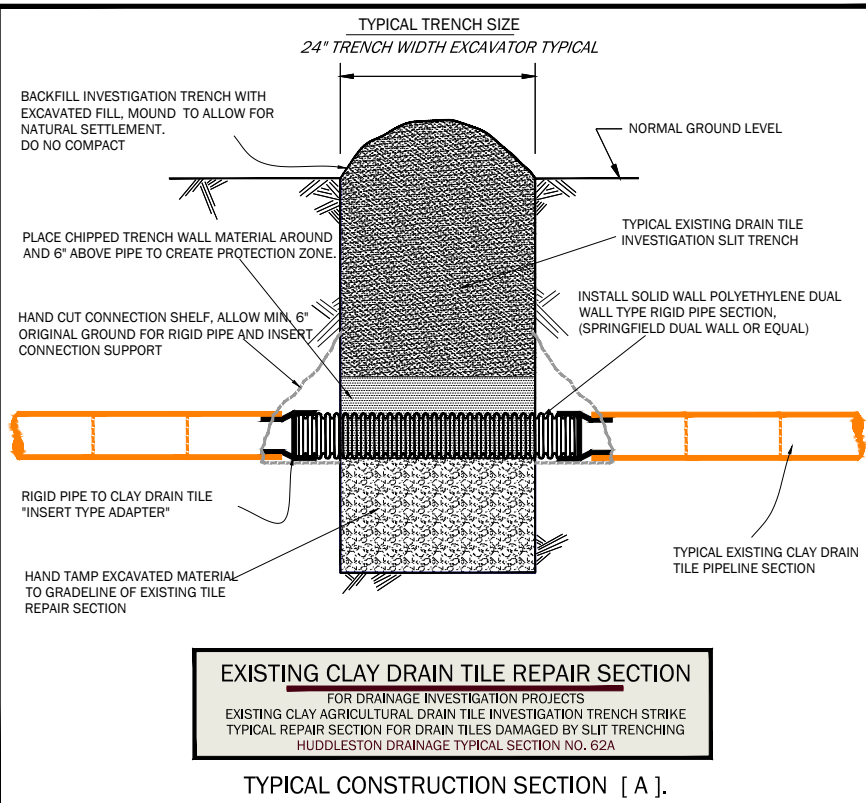
REPORT LEGEND:

- ID NO. POINT OF EXCAVATION FOR SPECIFIC DRAIN TILE INVESTIGATION.
- SZ. (SIZE) DRAIN TILE INTERNAL DIAMETER IN INCHES.
- MATERIAL / QUALITY TYPE OF TILE MATERIALS, PIPE QUALITY - GOOD, FAIR & POOR.
- FLOW % PERCENTAGE OF TILE DIAMETER OCCUPIED BY ACTIVE FLOW.
- SILT % RESTRICTED OR BACKED UP FLOW, SURCHARGED CONDITION
- PERCENTAGE OF TILE DIAMETER OCCUPIED BY RESTRICTIVE SILT.
- ABANDONED, FILLED WITH SILT BLOCKAGE, NO FLOW POTENTIAL
- MEASUREMENT FROM EXISTING GROUND LEVEL TO PIPE INVERT.

- (GENERAL NOTES)
- MAINLINE TILE TRUNK LINE OR MUTUAL DRAIN, COLLECTOR OF SUB-SYSTEMS.
- SUB-MAIN TILE SECONDARY TRUNK LINE OR RANDOM SYSTEM COLLECTOR.
- LATERAL TILE FEEDER LINE, SERVICE TILE OR SYSTEM SPUR.
- "BLOWOUT" EXISTING SYSTEM PIPE FAILURE OR RESTRICTION.
- DRAIN TILE ENDS MAINLINE, SUB-MAIN OR LATERAL PLANNED TERMINATION.
- SLIT TRENCH INVESTIGATION TRENCH, TYPICAL 2'-0" WIDE x 6'-0" DEPTH.

SPECIAL NOTES:

- All existing agricultural drain tiles located during this investigation survey have been identified on this plan and field staked at 50' intervals. In some occasions certain existing local drain tile sections may be speculated and considered as an assumed route which shall be delineated on this plan.
- Any existing drain tile not encountered during slit trenching or probe transect procedures will remain unknown.
- All existing drain tiles damaged during the investigation process shall be repaired to their original state in accordance with Natural Resource Conservation Service standards for drain tile installation and repair. All existing drain tile not encountered during slit trenching procedure will remain unknown.
- (Huddleston McBride (B30) typical standard "A")
- All existing drain tile location dimensions have been mapped in state plane coordinates by gas survey systems and include sub meter accuracy, all locations pertinent to final design shall be verified by the project surveyor.
- This drain tile investigation report is intended to identify existing drain tile mainline systems only with additional priority on drain lines which may service the upland property of others or with mutual drainage status.
- This drain tile investigation report shall be filed with Huddleston McBride Drainage Co., and will be reproduced and distributed only by permission of the contract principals.
- Solar Field Development: It is our recommendation that all existing drain tile systems within the proposed solar field development should be replaced by "like kind" construction which will assure the location and replacement of unknown drain tile systems that were not located by this Existing Drain Tile Investigation.



PROJECT CLIENT:

Sunvest Solar LLC

Bill French, Project Manager
330 W. State St., Suite 1, Geneva, IL 60134



APPROVED BY AND DATE:
RUDY P. DIXON, P.E. 4/23/26
ACKNOWLEDGMENTS:
HUDDLESTON MCBRIDE DRAINAGE CO.
MAPPING AND ARCHIVE SYSTEMS
DRAWN BY AND DATE:
TOM HUDDLESTON 4/23/26

PROJECT DATE:
4/23/26
FIELD FILE NO.:
18-14-15
DRAWING NO.:
18-14-15_X1

REVISIONS
DATE: BY: DESCRIPTION:
WEATHER CONDITIONS:
SUNNY / COOL - 60°

DRAWING SCALE:
1" TO 150'
SHEET NO.:
ONE OF ONE



SV CSG Welter Road Solar LLC

HUDDLESTON MCBRIDE
PROFESSIONAL LAND DRAINAGE SERVICES
9504 FOWLER RD., ROCHELLE, ILLINOIS PHONE 815-562-6007



COORDINATE SYSTEM: ILLINOIS STATE PLANE EAST NAD 83