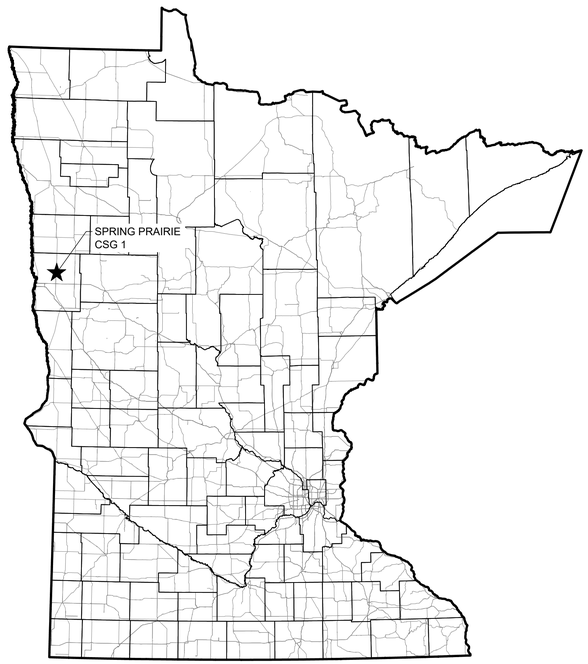
# ISSUED FOR PERMIT CIVIL PLAN SET

# SPRING PRAIRIE CSG 1 LLC

## CLAY COUNTY, MINNESOTA

OCTOBER, 2026
REVISION 0




N
**STATE MAP**
SCALE: 1" = 250,000'




N
**LOCAL MAP**
SCALE: 1" = 2,500'

| BASIS OF DESIGN | |
|---|---|
| **GENERAL** | |
| SITE ADDRESS | 14547 90TH AVENUE N, GLYNDON, MN 56547 |
| AHJ | CLAY COUNTY |
| INTERCONNECTION UTILITY | XCEL ENERGY |
| PROJECT DESIGN LIFESPAN | 35 YEARS |
| NEC VERSION | 2023 |
| IBC VERSION | 2021 |
| | |
| **PROPERTY** | |
| PARCEL OWNER | BEKKERUS, MARK & LINDA |
| PARCEL ID | 27.004.3000 |
| PROJECT LEASE AREA | 9.32 ACRES |
| PROJECT FENCED AREA | 6.34 ACRES |
| PRIMARY SITE ACCESS | 90TH AVENUE N |
| LAT/LONG @ ENTRANCE | 46.9773°, -96.4949° |
| | |
| **ZONING/SETBACKS** | |
| ZONING CLASSIFICATION | AGRICULTURAL GENERAL |
| FRONT YARD SETBACK | 100' |
| SIDE YARD SETBACK | 100' |
| REAR YARD SETBACK | 100' |
| | |
| **SYSTEM PARAMETERS** | |
| DC SYSTEM SIZE (Wdc @ STC) | 1,522,730 |
| AC SYSTEM SIZE (Wac) | 985,000 |
| DC/AC SYSTEM RATIO | 1.5459 |
| DC SYSTEM VOLTAGE | 1500 |
| AC SYSTEM VOLTAGE | 600 |
| | |
| **MODULES** | |
| SOLAR MODULE MAKE/MODEL | HANWHA Q.TRON XL-G2-635 |
| Wdc @ STC | 635 |
| MODULE QUANTITY | 2,398 |
| SOURCE CIRCUIT STRING LENGTH | 22 |
| | |
| **EQUIPMENT** | |
| INVERTER MAKE/MODEL | KACO BLUEPLANET 125 TL3-US & 110 TL3-US |
| INVERTER POWER | 125kWac & 110kWac |
| INVERTER QUANTITY | 7 @ 125kW & 1 @ 110kW |
| | |
| **RACKING** | |
| RACKING TYPE | SINGLE AXIS TRACKER |
| RACKING MAKE/MODEL | ARRAY TECHNOLOGIES V3 |
| TABLE QUANTITY | (26) 88-MOD, (1) 66-MOD & (1) 44-MOD ROWS |
| GROUND COVER RATIO | 33.0% |
| RANGE OF MOTION | 52° |

| DATA SOURCE SUMMARY | |
|---|---|
| ALTA SURVEY | WESTWOOD PROFESSIONAL SERVICES, INC.<br>2026-07-02 SPRING PRAIRIE SOLAR SURVEY CAD BASEFILE.DWG<br>07/02/2026 |
| WETLANDS | AREA M CONSULTING LLC<br>SPRING PRAIRIE CSG 1 LLC_L2 WETLAND DELINEATION REPORT.PDF<br>SEPTEMBER 2025 |
| GEOTECH REPORT | ANS<br>SPRING PRAIRIE CSG 1 - GEOTECH REPORT REV1.PDF<br>06/16/2026 |
| ARRAY LAYOUT | SUNVEST<br>SPRING PRAIRIE CSG 1-ELE.30-REV0-AW-05.06.26.PDF<br>05/06/2026 |

| PROJECT CONTACTS | |
|---|---|
| OWNER | SUNVEST SOLAR LLC<br>N27 W24025 PAUL CT STE 100, PEWAUKEE, WI 53072<br>AVA YOUNG, EIT<br>AYOUNG@SUNVEST.COM |
| CONTRACTOR | RETHINK ELECTRIC<br>850 N. CENTRAL AVE, WOOD DALE, IL 60191<br>DAVE MASON<br>630-999-3499<br>DMASON@RETHINKELECTRIC.COM |
| CIVIL ENGINEER | MERIDIEM ENGINEERING LLC<br>6248 EAST WINCHCOMB DR, SCOTTSDALE, AZ 85254<br>SARAH SMEDLEY, PE<br>602-799-4826<br>SARAH.SMEDLEY@MERIDIEM-ENG.COM |
| ELECTRICAL ENGINEER | MERIDIEM ENGINEERING LLC<br>6248 EAST WINCHCOMB DR, SCOTTSDALE, AZ 85254<br>TOM FIRSTBROOK, PE<br>301-875-5025<br>TOM.FIRSTBROOK@MERIDIEM-ENG.COM |
| STRUCTURAL ENGINEER | AMPACITY RENEWABLES<br>305 DELA FINA AVENUE, MONTEREY, CA 93940<br>MARIO COLECCHIA, PE<br>480-274-7740<br>MCOLECCHIA@AMPACITY.COM |
| ENVIRONMENTAL CONSULTANT | AREA M CONSULTING, LLC<br>2023 ALAMEDA STREET ROSEVILLE, MN 55113<br>JONATHAN R. KNUDSEN<br>208-241-5280<br>JKNUDSEN@AREAMCONSULTING.COM |
| GEOTECHNICAL ENGINEER | ANS<br>4405 SOUTH CLINTON AVE, SOUTH PLAINFIELD, NJ 07080<br>VATSAL A. SHAH, PE, PHD<br>908-754-8800<br>VATSAL.SHAH@ANSGEO.COM |
| LAND SURVEYOR | WESTWOOD PROFESSIONAL SERVICES, INC.<br>12701 WHITEWATER DR, STE 300, MINNETONKA, MN 55343<br>JACOB FABIAN, LS<br>JACOB.FABIAN@WESTWOODPS.COM |

| SHEET INDEX | |
|---|---|
| C000 | COVER SHEET |
| C001 | LEGAL DESCRIPTION, GENERAL NOTES, & LEGEND |
| C002 | EROSION & SEDIMENT CONTROL NOTES & SEED MIX & NOTES |
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**OWNER:**

**CONTRACTOR:**

**ENGINEER:**

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SARAH SMEDLEY, MINNESOTA LICENSE NO. 52904
DATE OF SIGNATURE: OCTOBER 23, 2026

Plotted: 10/23/2026 1:33 PM By: Tom Reece

## LEASE BOUNDARY LEGAL DESCRIPTION

THAT PART OF THE NORTHWEST QUARTER OF SECTION 4, TOWNSHIP 140 NORTH, RANGE 46 WEST OF THE 5TH PRINCIPAL MERIDIAN, CLAY COUNTY, MINNESOTA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF SAID NORTHWEST QUARTER;
THENCE SOUTH 01 DEGREE 37 MINUTES 52 SECONDS WEST ALONG THE EAST LINE OF SAID NORTHWEST QUARTER, A DISTANCE OF 543.54 FEET;
THENCE NORTH 90 DEGREES 00 MINUTES 00 SECONDS WEST, A DISTANCE OF 823.22 FEET;
THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST, A DISTANCE OF 494.79 FEET TO THE SOUTH RIGHT OF WAY LINE OF C.S.A.H. 26 PER S.A.P. 14-626-20;
THENCE SOUTH 88 DEGREES 49 MINUTES 54 SECONDS EAST ALONG SAID SOUTH RIGHT OF WAY LINE, A DISTANCE OF 796.99 FEET TO A LINE 40 FOOT WEST OF AND PARALLEL WITH SAID EAST LINE;
THENCE NORTH 01 DEGREE 37 MINUTES 52 SECONDS EAST ALONG SAID LINE 40 FEET WEST OF AND PARALLEL WITH SAID EAST LINE, A DISTANCE OF 65.62 FEET TO THE NORTH LINE OF SAID NORTHWEST QUARTER;
THENCE SOUTH 88 DEGREES 49 MINUTES 54 SECONDS EAST ALONG SAID NORTH LINE, A DISTANCE OF 40.00 FEET TO THE POINT OF BEGINNING.

CONTAINING 406,287 SQUARE FEET, OR 9.327 ACRES, MORE OR LESS

## PROPOSED POI EASEMENT

THAT PART OF THE NORTHWEST QUARTER OF SECTION 4, TOWNSHIP 140 NORTH, RANGE 46 WEST OF THE 5TH PRINCIPAL MERIDIAN, CLAY COUNTY, MINNESOTA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF SAID NORTHWEST QUARTER;
THENCE SOUTH 01 DEGREE 37 MINUTES 52 SECONDS WEST ALONG THE EAST LINE OF SAID NORTHWEST QUARTER, A DISTANCE OF 176.29 FEET;
THENCE NORTH 88 DEGREES 49 MINUTES 54 SECONDS WEST ALONG A LINE PARALLEL WITH THE NORTH LINE OF SAID NORTHWEST QUARTER, A DISTANCE OF 143.11 FEET;
THENCE NORTH 01 DEGREE 37 MINUTES 52 SECONDS EAST ALONG A LINE PARALLEL WITH THE EAST LINE OF SAID NORTHWEST QUARTER, A DISTANCE OF 66.67 FEET;
THENCE SOUTH 88 DEGREES 49 MINUTES 54 SECONDS EAST ALONG A LINE PARALLEL WITH SAID NORTH LINE, A DISTANCE OF 103.11 FEET TO A LINE 40 FEET WEST OF AND PARALLEL WITH SAID EAST LINE;
THENCE NORTH 01 DEGREE 37 MINUTES 52 SECONDS EAST ALONG SAID LINE 40 FEET WEST OF AND PARALLEL WITH SAID EAST LINE, A DISTANCE 109.62 FEET TO SAID NORTH LINE;
THENCE SOUTH 88 DEGREES 49 MINUTES 54 SECONDS EAST ALONG SAID NORTH LINE, A DISTANCE OF 40 FEET TO THE POINT OF BEGINNING.

CONTAINING 13,926 SQUARE FEET, OR 0.320 ACRES, MORE OR LESS.

## BASIS OF BEARINGS

ALL BEARINGS, DISTANCES AND AREAS SHOWN ARE BASED ON THE MINNESOTA STATE PLAN COORDINATE SYSTEM, CENTRAL ZONE, US SURVEY FOOT.

## GENERAL CIVIL NOTES

1. ALL STATE AND LOCAL STANDARD SPECIFICATIONS SHALL APPLY UNLESS OTHERWISE STATED.
2. ALL WORK DETAILED WITHIN THIS PLAN SET AND PERFORMED UNDER THIS CONTRACT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT.
3. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
4. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
5. INSTALLATION SHALL BE COMPLETED IN A NEAT AND WORKMANLIKE MANNER.
6. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AGAINST THE PROVIDED SURVEY INCLUDING THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS, SUCH AS UNDERGROUND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMAL DELAY AND COST IMPACTS.
7. THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICES FOR THE LOCATION OF EXISTING UTILITIES TWO (2) DAYS PRIOR TO ANY EXCAVATION.
8. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS.
9. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE PROJECT AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REPLACED.
10. CONSTRUCTION SHALL NOT OCCUR IN THE PUBLIC RIGHT OF WAY, PUBLIC OR PRIVATE EASEMENTS, BEYOND THE LIMITS OF DISTURBANCE OR OUTSIDE THE PROPERTY LINES WITHOUT PROPER PERMITS.
11. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIALS WITHIN THE PUBLIC RIGHT OF WAY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT ON PRIVATE PROPERTY IS THE RESPONSIBILITY OF THE CONTRACTOR.
12. ALL PROPERTY MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT THEIR EXPENSE. ALL DISTURBED PROPERTY MARKERS SHALL BE RESET BY A REGISTERED LAND SURVEYOR.
13. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS CONTROLLING POLLUTION OF THE ENVIRONMENT PRIOR TO START OF PROJECT CONSTRUCTION. THE CONTRACTOR SHALL CONTACT THE AGENCIES RESPONSIBLE FOR AIR, NOISE, AND WATER QUALITY CONTROL REGULATIONS TO DETERMINE THE STANDARDS WHICH SHALL ADHERE DURING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL OBTAIN, PREPARE, SUBMIT ALL FORMS, APPLICATIONS AND/OR PLANS REQUIRED TO COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS CONTROLLING POLLUTION TO THE ENVIRONMENT. THE CONTRACTOR SHALL ALSO MODIFY ALL PLANS, PERMITS, FORMS, APPLICATIONS AS REQUIRED, AS SITE CONDITIONS CHANGE TO STAY IN COMPLIANCE WITH THESE LAWS AND REGULATIONS. THE CONTRACTOR SHALL PROVIDE THE OWNER ONE ADDITIONAL COPY OF EACH REQUIRED PLAN, SUBMITTED FORM OR APPLICATION. THE CONTRACTOR SHALL ALSO MODIFY THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), IF REQUIRED PER PROJECT. PERFORMANCE OF THESE RESPONSIBILITIES ARE INCIDENTAL TO CONSTRUCTION OF THE PROJECT.
14. BEFORE COMMENCING CONSTRUCTION, CONTRACTOR SHALL LOCATE, POTHOLE AND MEASURE DEPTH TO TOP OF ALL EXISTING UTILITIES, UNDERGROUND WET AND DRY UTILITIES AT PROPOSED CROSSING LOCATIONS, ACCORDING TO THE CONTRACT DOCUMENTS OR AS SPECIFIED BY THE UTILITY OWNER. CONTRACTOR SHALL PROVIDE ENGINEER AND OWNER WITH AN AS-BUILT PLAN OF ALL INFORMATION AND RECEIVE FORMAL APPROVAL BEFORE STARTING WORK.
15. CONTRACTOR TO ENSURE ALL WORK PERFORMED IS IN ACCORDANCE WITH EXISTING PROJECT PERMITS, STUDIES AND REPORTS PROVIDED IN CONTRACT DOCUMENTS.
16. CONTRACTOR SHALL DETERMINE THE SOURCE OF AND SECURE APPROVAL OF CONSTRUCTION WATER AS NECESSARY TO COMPLETE THE PROJECT.

## SITE PREPARATION AND GRADING NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO CLEAR AND GRUB AREAS DESIGNATED ON THE PLANS. REMOVE ALL TREES, STUMPS, BRUSH AND DEBRIS WITHIN PROJECT AREAS INCLUDING THE ARRAYS, TRAILER/PARKING AREA, EQUIPMENT/SUBSTATION AREA, LAYDOWN AREA AND ROADWAY AREAS. ALL EXCAVATION DUE TO CLEARING AND GRUBBING ACTIVITIES SHOULD BE BACKFILLED WITH COMPACTED ENGINEERED FILL.
2. THE CONTRACTOR SHALL PRESERVE OTHER EXISTING VEGETATION TO BE SAVED TO THE MAXIMUM EXTENT PRACTICABLE. ANY VEGETATION THAT IS REMOVED SHALL ONLY BE ALLOWED WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS TO REMOVE ONLY THAT VEGETATION WHICH IS DESIGNATED BY THE PLANS OR AS DIRECTED BY THE OWNER FOR REMOVAL, AND SHALL EXERCISE CARE AROUND EXISTING VEGETATION TO BE SAVED. CONSTRUCTION FENCING MAY BE INSTALLED TO PROTECT AREAS THAT ARE NOT TO BE DISTURBED.
3. STRIP AND REMOVE EXISTING VEGETATION AND OTHER DELETERIOUS MATERIALS FROM ALL ROADWAY, AREAS OF FILL, PARKING, LAYDOWN AND TRAILER AREAS THROUGH THE ROOT ZONE. TOPSOIL SHALL NOT BE STRIPPED OUTSIDE OF DESIGNATED CLEARING AND GRUBBING AREAS. STRIPPING MATERIALS CONSISTING OF VEGETATION AND ORGANIC MATERIALS SHOULD BE WASTED FROM THE SITE OR USED TO REVEGETATE LANDSCAPED AREAS OR EXPOSED SLOPES AFTER COMPLETION OF GRADING OPERATIONS. IF IT IS NECESSARY TO DISPOSE OF ORGANIC MATERIALS ON-SITE THEY SHOULD BE PLACED IN NON-STRUCTURAL AREAS.
4. EMBANKMENT CONSTRUCTION SHALL CONSIST OF THE PLACING OF ENGINEERED FILL MATERIAL, AFTER TOPSOIL STRIPPING, ABOVE THE EXISTING GRADE. GENERALLY, EMBANKMENTS SHALL HAVE COMPACTED SUPPORT SLOPES OF FOUR FEET HORIZONTAL TO ONE FOOT VERTICAL (4:1) OR AS IDENTIFIED ON THE GRADING PLANS. THE MATERIAL FOR EMBANKMENT CONSTRUCTION SHALL BE OBTAINED BY THE CONTRACTOR AND APPROVED BY THE GEOTECHNICAL ENGINEER. THIS MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12".
5. ALL SLOPES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GRADING SHOWN ON THE PLANS.
6. EXPOSED SURFACES SHOULD BE FREE OF MOUNDS AND DEPRESSIONS WHICH COULD PREVENT UNIFORM COMPACTION.
7. NO BURNING OF DEBRIS IS ALLOWED WITHOUT THE NECESSARY PERMITS FROM AUTHORITIES HAVING JURISDICTION (AHJ) AND APPROVAL OF THE OWNER.
8. EXPOSED AREAS WHICH WILL RECEIVE STRUCTURAL FILL, ONCE PROPERLY CLEARED, SHOULD BE INSPECTED BY GEOTECHNICAL ENGINEER OR AUTHORIZED REPRESENTATIVE TO ENSURE THE NATIVE SOIL IS FREE OF GROUNDWATER, ORGANICS, SOFT/LOOSE SOIL, DEBRIS (FILL), LOOSE ROCK OR SOIL CLODS GREATER THAN 3 INCHES IN MAXIMUM DIMENSION, AND OTHER DELETERIOUS MATERIALS.
9. PRIOR TO PLACING FILL, SURFACE COMPACT SUBGRADE USING A VIBRATORY SMOOTH-DRUM ROLLER OR WALK-BEHIND PLATE COMPACTOR. SUBGRADE SHALL BE MOISTURE CONDITIONED AS NEEDED AND COMPACTED TO 90% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY TO A DEPTH OF 1 FOOT.
10. WITHIN PV ARRAY FILL AREAS, UNSUITABLE SUBGRADE MUST BE OVER-EXCAVATED AND REPLACED WITH SUITABLE ENGINEERED FILL OR NATIVE GRANULAR SOIL.
11. MINIMUM DEPTH OF OVER-EXCAVATION SHOULD EXTEND TO THE DEPTH OF THE UNSUITABLE SUBGRADE MATERIAL ENCOUNTERED.
12. THE OVER-EXCAVATION SHOULD BE BACKFILLED UP TO THE REQUIRED ELEVATION PER GRADING PLANS WITH SUITABLE ENGINEERED FILL OR NATIVE GRANULAR SOIL, PLACED IN 12 INCH LOOSE LIFTS. BACKFILL SHALL BE COMPACTED TO 90% OF MAXIMUM DRY DENSITY AND BETWEEN -3% AND +3% OF OPTIMUM MOISTURE CONTENT, AS DETERMINED BY THE STANDARD PROCTOR MAXIMUM DRY DENSITY TEST.
13. THE MOISTURE CONTENT AND COMPACTION OF THE SUBGRADE SOILS SHOULD BE MAINTAINED UNTIL FILL PLACEMENT.
14. ONSITE SOILS OR APPROVED IMPORT MATERIAL MAY BE USED AS SUBGRAGE MATERIAL FOR SITE GRADING, AS SPECIFIED IN THE SITE GEOTECHNICAL REPORT.
15. ENGINEERED FILL SHALL CONSIST OF GRANULAR SOIL WITH LESS THAN 10% PASSING THE NO. 200 SIEVE. CLAYEY SAND, LEAN CLAY OR FAT CLAY SHOULD NOT BE USED FOR ENGINEERED FILL DUE TO MOISTURE SENSITIVITY. ONSITE SOIL MEETING THIS CRITERIA MAY BE USED AS ENGINEERED FILL PROVIDED THE MATERIAL IS FREE OF ORGANICS AND PARTICLES LARGER THAN 3 INCHES. SELECT IMPORT GRANULAR FILL MAY BE USED AS ENGINEERED FILL PROVIDED THAT IT IS WELL GRADED AND CONTAINS NO CLAY BALLS, ROOTS, ORGANIC MATERIALS, AND MEETS THE AFOREMENTIONED SPECIFICATIONS.
16. ENGINEERED FILL SHOULD BE PLACED AND COMPACTED IN HORIZONTAL LIFTS, USING EQUIPMENT AND PROCEDURES THAT WILL PRODUCE RECOMMENDED MOISTURE CONTENTS AND DENSITIES THROUGHOUT THE LIFT. FILL LIFTS SHOULD NOT EXCEED12 INCHES LOOSE THICKNESS. ENGINEERED FILL SHALL BE COMPACTED TO 90% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY WITH MOISTURE CONDITIONING RANGE OF -3% TO +3%.
17. TESTING AND INSPECTION REPORTS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW.

## LEGEND

- PROJECT BOUNDARY
- PARCEL LINE
- EASEMENT
- EXISTING EDGE OF GRAVEL ROAD
- X — EXISTING FENCE
- OHP — EXISTING OVERHEAD POWER
- UGT — EXISTING UNDERGROUND TELEPHONE
- 50 — EXISTING INDEX CONTOUR
- 49 — EXISTING INTERMEDIATE CONTOUR
- WTL — EXISTING WETLANDS
- EXISTING CULVERT
- EXISTING UTILITY POLE
- EXISTING TELEPHONE PEDESTAL
- EXISTING CONCRETE
- EXISTING CONTROL POINT
- PROPOSED ROAD
- PROPOSED FENCE
- OHP — PROPOSED OVERHEAD
- MV — PROPOSED UNDERGROUND
- 50 — PROPOSED INDEX CONTOUR
- 49 — PROPOSED INTERMEDIATE CONTOUR
- PROPOSED GATE
- PROPOSED EQUIPMENT RACK
- PROPOSED EQUIPMENT PAD
- PROPOSED OVERHEAD POLE
- PROPOSED ARRAYS

## QUANTITIES

AREA OF DISTURBANCE = 0.24 AC
AGGREGATE (PADS & ROAD) = 201 CY
SITE FENCE = 2,232 LF
GATE = 1 EA
STABILIZED CONSTRUCTION ENTRANCE = 800 SF
SEDIMENT LOG = 1,334 LF

## EARTHWORK

CUT = 203 CY
FILL = 26 CY
NET = 177 CY (CUT)

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SARAH SMEDLEY, MINNESOTA LICENSE NO. 52904
DATE OF SIGNATURE: OCTOBER 23, 2026

ENGINEER
MERIDIEM ENGINEERING

CONTRACTOR
RETHINK

OWNER/DEVELOPER
SUNVEST SOLAR LLC

**REVISIONS**

| NO. | DATE | DESCRIPTION |
|---|---|---|
| 0 | 10/23/2026 | ISSUED FOR PERMIT SUBMITTAL |

PROJECT

**SPRING PRAIRIE CSG 1, LLC**
14547 90TH AVE N
GLYNDON, MN 56547

SHEET NAME
**LEGAL DESCRIPTION, GENERAL NOTES & LEGEND**

SHEET NUMBER
**C001**

SHEET SIZE
22"x34"

REVISION
**0**

C:\Users\TomReece\DC\ACCDocs\Meridiem Engineering LLC\2601-04 Spring Prairie\CAD\Sheets\C000.SPRING PRAIRIE GENERAL.dwg

Plotted: 10/23/2026 1:33 PM By: Tom Reece

# EROSION AND SEDIMENT CONTROL NOTES

## EROSION PREVENTION

1. BEFORE WORK BEGINS, PERMITTEES MUST DELINEATE THE LOCATION OF AREAS NOT TO BE DISTURBED.
2. PERMITTEES MUST MINIMIZE THE NEED FOR DISTURBANCE OF PORTIONS OF THE PROJECT WITH STEEP SLOPES. WHEN STEEP SLOPES MUST BE DISTURBED, PERMITTEES MUST USE TECHNIQUES SUCH AS PHASING AND STABILIZATION PRACTICES DESIGNED FOR STEEP SLOPES (E.G. SLOPE DRAINING, EROSION CONTROL BLANKET AND SEEDING).
3. PERMITTEES MUST STABILIZE ALL EXPOSED SOIL AREAS, INCLUDING STOCKPILES, STABILIZATION MUST BE INITIATED IMMEDIATELY TO LIMIT SOIL EROSION WHEN CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. STABILIZATION MUST BE COMPLETED NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY HAS CEASED. STABILIZATION IS NOT REQUIRED ON CONSTRUCTION BASE COMPONENTS OR ROADS, PARKING LOTS AND SIMILAR SURFACES. STABILIZATION IS NOT REQUIRED ON TEMPORARY STOCKPILES WITHOUT SIGNIFICANT SILT, CLAY OR ORGANIC COMPONENTS (E.G. CLEAN AGGREGATE STOCKPILES, DEMOLITION CONCRETE STOCKPILES, SAND STOCKPILES) BUT MUST PROVIDE SEDIMENT CONTROLS SUCH AS SILT FENCE AT THE BASE OF THE STOCKPILE.
4. FOR PUBLIC WATERS DURING SPECIFIED FISH SPAWNING TIME FRAMES, PERMITTEES MUST COMPLETE STABILIZATION OF ALL EXPOSED SOIL AREAS WITHIN 200 FEET OF THE WATER'S EDGE, AND THAT DRAIN TO THESE WATERS, WITHIN 24 HOURS DURING THE RESTRICTION PERIOD.
5. PERMITTEES MUST STABILIZE THE NORMAL WETTED PERIMETER OF THE LAST 200 LINEAR FEET OF TEMPORARY OR PERMANENT DRAINAGE DITCHES OR SWALES THAT DRAIN WATER FROM THE SITE WITHIN 24 HOURS AFTER CONNECTION TO A SURFACE WATER OR PROPERTY EDGE. PERMITTEES MUST COMPLETE STABILIZATION OF REMAINING PORTIONS OF TEMPORARY OR PERMENANT DITCHES OR SWALES WITHIN 14 CALENDAR DAYS AFTER CONNECTING TO A SURFACE WATER OR PROPERTY EDGE AND CONSTRUCTION IN THAT PORTION OF THE DITCH TEMPORARILY OR PERMANENTLY CEASES.
6. TEMPORARY OR PERMANENT DITCHES OR SWALES BEING USED AS A SEDIMENT CONTAINMENT SYSTEM DURING CONSTRUCTION (WITH PROPERLY DESIGNED ROCK-DITCH CHECKS, BIO ROLLS, SILT DIKES, ETC.) DO NOT NEED TO BE STABILIZED. PERMITTEES MUST STABILIZE THESE AREAS WITHIN 24 HOURS AFTER THEIR USE AS A SEDIMENT CONTAINMENT SYSTEM CEASES.
7. PERMITTEES MUST NOT USE MULCH, HYDROMULCH, TACKIFIER, POLYACRYLAMIDE OR SIMILAR EROSION PREVENTION PRACTICES WITHIN ANY PORTION OF THE NORMAL WETTED PERIMETER OF A TEMPORARY OR PERMANENT DRAINAGE DITCH OR SWALE SECTION WITH A CONTINUOUS SLOPE OF GREATER THAN 2 PERCENT.
8. PERMITTEES MUST PROVIDE TEMPORARY OR PERMANENT ENERGY DISSIPATION AT ALL PIPE OUTLETS WITHIN 24 HOURS AFTER CONNECTION TO A SURFACE WATER OR PERMANENT STORM WATER TREATMENT SYSTEM.
9. PERMITTEES MUST NOT DISTURB MORE LAND (I.E. PHASING) THAN CAN BE EFFECTIVELY INSPECTED AND MAINTAINED.

## SEDIMENT CONTROL

1. PERMITTEES MUST ESTABLISH SEDIMENT CONTROL BMPS ON ALL DOWNGRADIENT PERIMETERS OF THE SITE AND DOWNGRADIENT AREAS OF THE SITE THAT DRAIN TO ANY SURFACE WATER, INCLUDING CURB AND GUTTER SYSTEMS. PERMITTEES MUST LOCATE SEDIMENT CONTROL PRACTICES UPGRADIENT OF ANY BUFFER ZONES. PERMITTEES MUST INSTALL SEDIMENT CONTROL PACTICES BEFORE ANY UPGRADIENT LAND DISTURBING ACTIVITIES BEGIN AND MUST KEEP THE SEDIMENT CONTROL PRACTICES IN PLACE UNTIL THEY ESTABLISH PERMANENT COVER.
2. IF DOWNGRADIENT SEDIMENT CONTROLS ARE OVERLOADED, BASED ON FREQUENT FAILURE OR EXCESSIVE MAINTENANCE REQUIREMENTS, PERMITTEES MUST INSTALL ADDITIONAL UPGRADIENT SEDIMENT CONTROL PRACTICES OR REDUNDANT BMPS TO ELIMINATE THE OVERLOADING AND AMEND THE SWPPP TO IDENTIFY THESE ADDITIONAL PRACTICES.
3. TEMPORARY OR PERMANENT DRAINAGE DITCHES AND SEDIMENT BASINS DESIGNED AS PART OF A SEDIMENT CONTAINMENT SYSTEM (E.G. DITCHES WITH ROCK CHECK DAMS) REQUIRE SEDIMENT CONTROL PRACTICES ONLY AS APPROPRIATE FOR SITE CONDITIONS.
4. A FLOATING SILT CURTAIN PLACED IN THE WATER IS NOT A SEDIMENT CONTROL BMP EXCEPT WHEN WORKING ON A SHORELINE OR BELOW THE WATERLINE. IMMEDIATELY AFTER THE SHORT-TERM CONSTRUCTION ACTIVITIY (E.G. INSTALLATION OF RIPRAP ALONG THE SHORELINE) IN THAT AREA IS COMPLETE, PERMITTEES MUST INSTALL AN UPLAND PERIMTER CONTROL PRACTICE IF EXPOSED SOILS STILL DRAIN TO A SURFACE WATER.
5. PERMITTEES MUST RE-INSTALL ALL SEDIMENT CONTROL PRACTICES ADJUSTED OR REMOVED TO ACCOMMODATE SHORT-TERM ACTIVITIES SUCH AS CLEARING OR GRUBBING, OR PASSAGE OF VEHICLES, IMMEDIATELY AFTER THE SHORT-TERM ACTIVITY IS COMPLETED. PERMITTEES MUST RE-INSTALL SEDIMENT CONTROL PRACTICES BEFORE THE NEXT PRECIPITATION EVENT EVEN IF THE SHORT-TERM ACTIVITY IS NOT COMPLETE.
6. PERMITTEES MUST PROTECT ALL STORM DRAIN INLETS USING APPROPRIATE BMPS DURING CONSTRUCTION UNTIL THEY ESTABLISH PERMANENT COVER ON ALL AREAS WITH POTENTIAL FOR DISCHARGING TO THE INLET.
7. PERMITTEES MAY REMOVE INLET PROTECTION FOR A PARTICULAR INLET IF A SPECIFIED SAFETY CONCERN (E.G. STREET FLOODING/FREEZING) IS IDENTIFIED BY THE PERMITTEES.
8. PERMITTEES MUST LOCATE STOCKPILES OUTSIDE OF NATURAL BUFFERS OR SURFACE WATER, INCLUDING STORMWATER CONVEYANCES SUCH AS CURB AND GUTTER SYSTEMS UNLESS THERE IS A BYPASS IN PLACE FOR THE STORMWATER.
9. PERMITTEES MUST INSTALL A VEHICLE TRACKING BMP TO MINIMIZE THE TRACK OUT OF SEDIMENT FROM THE CONSTRUCTION SITE OR ONTO PAVED ROADS WITHIN THE SITE.
10. PERMITTEES MUST USE STREET SWEEPING IF VEHICLE TRACKING BMPS ARE NOT ADEQUATE TO PREVENT SEDIMENT TRACKING ONTO THE STREET.
11. IN ANY AREAS OF THE SITE WHERE FINAL VEGETATIVE STABILIZATION WILL OCCUR, PERMITTEES MUST RESTRICT VEHICLE AND EQUIPMENT USE TO MINIMIZE SOIL COMPACTION.
12. PERMITTEES MUST PRESERVE TOPSOIL ON THE SITE, UNLESS INFEASIBLE.
13. PERMITTEES MUST DIRECT DISCHARGES FROM BMPS TO VEGETATED AREAS UNLESS INFEASIBLE.
14. PERMITTEES MUST PRESERVE A 50 FOOT NATURAL BUFFER OR, IF A BUFFER IS INFEASIBLE ON THE SITE, PROVIDE REDUNDANT (DOUBLE) PERIMETER SEDIMENT CONTROLS WHEN A SURFACE WATER IS LOCATED WITHIN 50 FEET OF THE PROJECT'S EARTH DISTURBANCES AND STORMWATER FLOWS TO THE SURFACE WATER. PERMITTEES MUST INSTALL PERIMETER SEDIMENT CONTROLS AT LEAST 5 FEET APART UNLESS LIMITED BY LACK OF AVAILABLE SPACE. NATURAL BUFFERS ARE NOT REQUIRED ADJACENT TO ROAD DITCHES, JUDICIAL DITCHES, COUNTY DITCHES, STORMWATER CONVEYANCE CHANNELS, STORM DRAIN INLETS AND SEDIMENT BASINS. IF PRESERVING THE BUFFER IS INFEASIBLE, PERMITTEES MUST DOCUMENT THE REASONS IN THE SWPPP. SHEET PILING IS A REDUNDANT PERIMETER CONTROL IF INSTALLED IN A MANNER THAT RETAINS ALL STORMWATER.
15. PERMITTEES MUST USE POLYMERS, FLOCCULANTS OR OTHER SEDIMENT TREATMENT CHEMICALS IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES, DOSING SPECIFICATIONS AND SEDIMENT REMOVAL DESIGN SPECIFICATIONS PROVIDED BY THE MANUFACTURER OR SUPPLIER. THE PERMITTEES MUST USE CONVENTIONAL EROSION AND SEDIMENT CONTROLS PRIOR TO CHEMICAL ADDITION AND MUST DIRECT TREATED STORMWATER TO A SEDIMENT CONTROL SYSTEM FOR FILTRATION OR SETTLEMENT OF THE FLOC PRIOR TO DISCHARGE.

## INSPECTIONS AND MAINTENANCE

1. PERMITTEES MUST ENSURE A TRAINED PERSON WILL INSPECT THE ENTIRE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN ½ INCH IN 24 HOURS.
2. PERMITTEES MUST INSPECT AND MAINTAIN ALL TEMPORARY AND PERMANENT STORMWATER TREATMENT BMPS.
3. PERMITTEES MUST INSPECT ALL EROSION PREVENTION AND SEDIMENT CONTROL BMPS AND POLLUTION PREVENTION MANAGEMENT MEASURES TO ENSURE INTEGRITY AND EFFECTIVENESS. PERMITTEES MUST REPAIR, REPLACE OR SUPPLEMENT ALL NONFUNCTIONAL BMPS WITH FUNCTIONAL BMPS BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY UNLESS ANOTHER TIME FRAME IS SPECIFIED. PERMITTEES MAY TAKE ADDITIONAL TIME IF FIELD CONDITIONS PREVENT ACCESS TO THE AREA.
4. DURING EACH INSPECTION, PERMITTEES MUST INSPECT SURFACE WATERS, INCLUDING DRAINAGE DITCHES AND CONVEYANCE SYSTEMS BUT NOT CURB AND GUTTER SYSTEMS, FOR EVIDENCE OF EROSION AND SEDIMENT DEPOSITION. PERMITTEES MUST REMOVE ALL DELTAS AND SEDIMENT DEPOSITED IN SURFACE WATERS, INCLUDING DRAINAGE WAYS, CATCH BASINS, AND OTHER DRAINAGE SYSTEMS AND RESTABILIZE THE AREAS WHERE SEDIMENT REMOVAL RESULTS IN EXPOSED SOIL. PERMITTEES MUST COMPLETE REMOVAL AND STABILIZATION WITHIN SEVEN (7) CALENDAR DAYS OF DISCOVERY UNLESS PRECLUDED BY LEGAL, REGULATORY OR PHYSICAL ACCESS CONSTRAINTS. PERMITTEES MUST USE ALL REASONABLE EFFORTS TO OBTAIN ACCESS. IF PRECLUDED, REMOVAL AND STABILIZATION MUST TAKE PLACE WITHIN SEVEN (7) DAYS OF OBTAINING ACCESS. PERMITTEES ARE RESPONSIBLE FOR CONTACTING LOCAL, REGIONAL, STATE AND FEDERAL AUTHORITIES AND RECEIVING ANY APPLICABLE PERMITS, PRIOR TO CONDUCTING ANY WORK IN SURFACE WATERS.
5. PERMITTEES MUST INSPECT CONSTRUCTION SITE VEHICLE EXIT LOCATIONS, STREETS AND CURB AND GUTTER SYSTEMS WITHIN AND ADJACENT TO THE PROJECT FOR SEDIMENTATION FROM EROSION OR TRACKED SEDIMENT FROM VEHICLES. PERMITTEES MUST REMOVE SEDIMENT FROM ALL PAVED SURFACES WITHIN ONE (1) CALENDAR DAY OF DISCOVERY OR, IF APPLICABLE, WITHIN A SHORTER TIME TO AVOID A SAFETY HAZARD TO USERS OF PUBLIC STREETS.
6. PERMITTEES MUST REPAIR, REPLACE OR SUPPLEMENT ALL PERIMETER CONTROL DEVICES WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES ½ OF THE HEIGHT OF THE DEVICE.
7. PERMITTEES MUST DRAIN TEMPORARY AND PERMANENT SEDIMENTATION BASINS AND REMOVE THE SEDIMENT WHEN THE DEPTH OF SEDIMENT COLLECTED IN THE BASIN REACHES ½ THE STORAGE VOLUME.
8. PERMITTEES MUST ENSURE THAT AT LEAST ONE INDIVIDUAL PRESENT ON THE SITE (OR AVAILABLE TO THE PROJECT SITE IN THREE (3) CALENDAR DAYS) IS TRAINED IN THE JOB DUTIES DESCRIBED HEREIN. PERMITTEES MAY ADJUST THE INSPECTION SCHEDULE AS FOLLOWS:
   A. INSPECTIONS OF AREAS WITH PERMANENT COVER CAN BE REDUCED TO ONCE PER MONTH, EVEN IF CONSTRUCTION ACTIVITY CONTINUES ON OTHER PORTIONS OF THE SITE; OR
   B. WHERE SITES HAVE PERMANENT COVER ON ALL EXPOSED SOIL AND NO CONSTRUCTION ACTIVITY IS OCCURRING ANYWHERE ON THE SITE, INSPECTIONS CAN BE REDUCED TO ONCE PER MONTH AND, AFTER 12 MONTHS, MAY BE SUSPENDED COMPLETELY UNTIL CONSTRUCTION ACTIVITY RESUMES; OR
   C. WHERE CONSTRUCTION ACTIVITY HAS BEEN SUSPENDED DUE TO FROZEN GROUND CONDITIONS, INPECTIONS MAY BE SUSPENDED. INSPECTIONS MUST RESUME WITHIN 24 HOURS OF RUNOFF OCCURRING, OR UPON RESUMING CONSTRUCTION, WHICHEVER COMES FIRST.
9. PERMITTEES MUST RECORD ALL INSPECTIONS AND MAINTENANCE ACTIVITIES WITHIN 24 HOURS OF BEING CONDUCTED AND THESE RECORDS MUST BE RETAINED WITH THE SWPPP. THESE RECORDS MUST INCLUDE:
   A. DATE AND TIME OF INSPECTION
   B. NAME OF PERSONS CONDUCTING INSPECTIONS
   C. ACCURATE FINDINGS OF INSPECTIONS, INCLUDING THE SPECIFIC LOCATION WHERE CORRECTIVE ACTIONS ARE NEEDED
   D. CORRECTIVE ACTIONS TAKEN (INCLUDING DATES, TIMES AND PARTY COMPLETING MAINTENANCE ACTIVITIES)
   E. DATE OF ALL RAINFALL EVENTS GREATER THAN ½ INCHES IN 24 HOURS, AND THE AMOUNT OF RAINFALL FOR EACH EVENT. PERMITTEES MUST OBTAIN RAINFALL AMOUNTS BY EITHER A PROPERLY MAINTAINED RAIN GAUGE INSTALLED ONSITE, A WEATHER STATION THAT IS WITHIN ONE (1) MILE OF YOUR LOCATION, OR A WEATHER REPORTING SYSTEM THAT PROVIDED SITE SPECIFIC RAINFALL DATA FROM RADAR SUMMARIES
   F. IF PERMITTEES OBSERVE A DISCHARGE DURING THE INSPECTION, THEY MUST RECORD AND SHOULD PHOTOGRAPH AND DESCRIBE THE LOCATION OF THE DISCHARGE (I.E. COLOR, ODOR, SETTLED OR SUSPENDED SOLIDS, OIL SHEEN AND OTHER OBVIOUS INDICATORS OF POLLUTANTS)
   G. ANY AMENDMENTS TO THE SWPPP PROPOSED AS A RESULT OF THE INSPECTION MUST BE DOCUMENTED WITH SEVEN (7) CALENDAR DAYS.

## POLLUTION PREVENTION MANAGEMENT

1. PERMITTEES MUST PLACE BUILDING PRODUCTS AND LANDSCAPE MATERIALS UNDER COVER (E.G. PLASTIC SHEETING OR TEMPORARY ROOFS) OR PROTECT THEM BY SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE CONTACT WITH STORMWATER. PERMITTEES ARE NOT REQUIRED TO COVER OR PROTECT PRODUCTS WHICH ARE EITHER NOT A SOURCE OF CONTAMINATION TO STORMWATER OR ARE DESIGNED TO BE EXPOSED TO STORMWATER.
2. PERMITTEES MUST PLACE PESTICIDES, FERTILIZERS AND TREATMENT CHEMICALS UNDER COVER (E.G. PLASTIC SHEETING OR TEMPORARY ROOFS) OR PROTECT THEM BY SIMILAR MEANS DESIGNED TO MINIMIZE CONTACT WITH STORMWATER.
3. PERMITTEES MUST STORE HAZARDOUS MATERIALS AND TOXIC WASTE (INCLUDING OIL, DIESEL FUEL, GASOLINE, HYDRAULIC FLUIDS, PAINT SOLVENTS, PETROLEUM-BASED PRODUCTS, WOOD PRESERVATIVES, ADDITIVES, CURING COMPOUNDS AND ACIDS) IN SEALED CONTAINERS TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGE. STORAGE INCLUDES SECONDARY CONTAINMENT AS APPLICABLE.
4. PERMITTEES MUST PROPERLY STORE, COLLECT AND DISPOSE SOLID WASTE.
5. PERMITTEES MUST TAKE REASONABLE STEPS TO PREVENT THE DISCHARGE OF SPILLED OR LEAKED CHEMICALS, INCLUDING FUEL, FROM ANY AREA WHERE CHEMICALS OR FUEL WILL BE LOADED OR UNLOADED INCLUDING THE USE OF DRIP PANS OR ABSORBENTS UNLESS INFEASIBLE. PERMITTEES MUST ENSURE ADEQUATE SUPPLIES ARE AVAILABLE AT ALL TIMES TO CLEAN UP DISCHARGED MATERIALS AND THAT AN APPROPRIATE DISPOSAL METHOD IS AVAILABLE FOR RECOVERED SPILLED MATERIALS. PERMITTEES MUST REPORT AND CLEAN UP SPILLS IMMEDIATELY USING DRY CLEAN UP MEASURES WHERE POSSIBLE.
6. PERMITTEES MUST LIMIT VEHICLE EXTERIOR WASHING AND EQUIPMENT TO A DEFINED AREA OF THE SITE. PERMITTEES MUST CONTAIN RUNOFF FROM THE WASHING AREA IN A SEDIMENT BASIN OR OTHER SIMILARLY EFFECTIVE CONTROLS AND MUST DISPOSE WASTE FROM THE WASHING ACTIVITY PROPERLY. PERMITTEES MUST PROPERLY USE AND STORE SOAPS, DETERGENTS OR SOLVENTS.
7. PERMITTEES MUST PROVIDE EFFECTIVE CONTAINMENT FOR ALL LIQUID AND SOLID WASTE GENERATED BY WASHOUT OPERATIONS (E.G. CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS) RELATED TO THE CONSTRUCTION ACTIVITIES. PERMITTEES MUST PREVENT LIQUID AND SOLID WASHOUT WASTES FROM CONTACTING THE GROUND AND MUST DESIGN THE CONTAINMENT SO IT DOES NOT RESULT IN RUNOFF FROM THE WASHOUT OPERATIONS OR AREAS. PERMITTEES MUST PROPERLY DISPOSE LIQUID AND SOLID WASTES IN COMPLIANCE WITH LOCAL REGULATIONS. PERMITTEES MUST INSTALL A SIGN INDICATING THE LOCATION OF THE WASHOUT FACILITY.
8. PORTABLE CONSTRUCTION TOILETS SHALL BE SECURED TO PREVENT TIPPING OR SPILLAGE. SANITARY WASTE MUST BE PROPERLY DISPOSED OF.

## PERMIT TERMINATION CONDITIONS

1. PERMITTEES MUST COMPLETE ALL CONSTRUCTION ACTIVITY AND MUST INSTALL PERMANENT COVER OVER ALL AREAS PRIOR TO SUBMITTING THE NOT. VEGETATIVE COVER MUST CONSIST OF A UNIFORM PERENNIAL VEGETATION WITH A DENSITY OF 70 PERCENT OF ITS EXPECTED FINAL GROWTH. VEGETATION IS NOT REQUIRED WHERE THE FUNCTION OF A SPECIFIC AREA DICTATES NO VEGETATION, SUCH AS IMPERVIOUS SURFACES OR THE BASE OF A SAND FILTER.
2. PERMITTEES MUST CLEAN THE PERMANENT STORMWATER TREATMENT SYSTEM OF ANY ACCUMULATED SEDIMENT AND MUST ENSURE THE SYSTEM MEETS ALL APPLICABLE REQUIREMENTS AND IS OPERATING AS DESIGNED.
3. PERMITTEE MUST REMOVE ALL SEDIMENT FROM CONVEYANCE SYSTEMS PRIOR TO SUBMITTING THE NOT.
4. PERMITTEES MUST REMOVE ANY SYNTHETIC EROSION PREVENTION AND SEDIMENT CONTROL BMPS PRIOR TO SUBMITTING THE NOT. PERMITTEES MAY LEAVE BMPS DESIGNED TO DECOMPOSE ONSITE IN PLACE.
5. FOR CONSTRUCTION PROJECTS ON AGRICULTURAL LAND (E.G. PIPELINES ACROSS CROPLAND), PERMITTEES MUST RETURN DISTURBED LAND TO ITS PRE-CONSTRUCTION AGRICULTURAL USE PRIOR TO SUBMITTING THE NOT.

## RECORD KEEPING

1. PERMITTEES MUST KEEP THE SWPPP, INCLUDING ALL CHANGES TO IT, AND INSPECTIONS AND MAINTENANCE RECORDS AT THE SITE DURING NORMAL WORKING HOURS BY PERMITTEES WHO HAVE OPERATIONAL CONTROL OF THAT PORTION OF THE SITE.

## NATIVE POLLINATOR MIX - 6.19 AC

Natural Resource Services

**Spring Prairie CSG Native Pollinator Mix**

Seeding Rate - 9lb/acre - 70.8 seeds/ft²

| Common Name | Scientific Name | Bloom Month | % of Mix by Weight | Lbs/Acre | Seeds/ft² | % of Mix by Seeds/ft² |
|---|---|---|---|---|---|---|
| Sideoats Grama | Bouteloua curtipendula | | 41.80% | 3.76 | 8.29 | 11.72% |
| Blue Grama | Bouteloua gracilis | | 5.00% | 0.45 | 6.61 | 9.34% |
| Plains Oval Sedge | Carex brevior | | 5.50% | 0.49 | 5.27 | 7.45% |
| Wood Gray Sedge | Carex grisea | | 2.20% | 0.20 | 0.65 | 0.92% |
| Slender Wheatgrass | Elymus trachycaulus | | 15.90% | 1.43 | 3.63 | 5.13% |
| Path Rush | Juncus tenuis | | 0.20% | 0.02 | 6.61 | 9.34% |
| June Grass | Koeleria macrantha | | 1.10% | 0.10 | 7.27 | 10.28% |
| Fowl Bluegrass | Poa palustris | | 2.20% | 0.20 | 9.45 | 13.36% |
| Prairie Dropseed | Sporobolus heterolepis | | 3.30% | 0.30 | 1.75 | 2.47% |
| **Graminoid Total** | | | **77.19%** | **6.95** | **49.54** | **70.01%** |
| Common Yarrow | Achillea millefolium | Jun-Aug | 0.55% | 0.05 | 3.24 | 4.58% |
| Butterfly Milkweed | Asclepias tuberosa | Jun-Aug | 1.00% | 0.09 | 0.14 | 0.20% |
| Partridge Pea | Chamaecrista fasciculata | Jul-Sep | 7.40% | 0.67 | 0.66 | 0.93% |
| White Prairie Clover | Dalea candida | Jun-Sep | 4.95% | 0.45 | 3.11 | 4.39% |
| Purple Prairie Clover | Dalea purpurea | Jul-Sep | 5.50% | 0.49 | 3.27 | 4.62% |
| Monkey Flower | Mimulus ringens | Jun-Sep | 0.11% | 0.01 | 8.36 | 11.82% |
| Hoary Vervain | Verbena stricta | Jun-Sep | 2.20% | 0.20 | 2.04 | 2.88% |
| Golden Alexanders | Zizia aurea | Apr-Jun | 1.10% | 0.10 | 0.40 | 0.57% |
| **Forb Total** | | | **22.81%** | **2.05** | **21.22** | **29.99%** |
| **Mix Total** | | | **100.00%** | **9.00** | **70.76** | **100.00%** |

## NATIVE BASIN MIX - 0.07 AC

Natural Resource Services

**Spring Prairie CSG Native Basin Mix**

Seeding Rate - 6 lb/acre - 138.3 seeds/ft²

| Common Name | Scientific Name | Bloom Month | % of Mix by Weight | Lbs/Acre | Seeds/ft² | % of Mix by Seeds/ft² |
|---|---|---|---|---|---|---|
| Bottlebrush Sedge | Carex comosa | | 6.00% | 0.36 | 3.97 | 2.87% |
| Fringed Sedge | Carex crinita | | 6.00% | 0.36 | 3.04 | 2.20% |
| Pointed-broom Sedge | Carex scoparia | | 3.00% | 0.18 | 5.55 | 4.02% |
| Common Fox Sedge | Carex stipata | | 3.00% | 0.18 | 2.25 | 1.63% |
| Brown Fox Sedge | Carex vulpinoidea | | 3.00% | 0.18 | 6.61 | 4.78% |
| Fowl Manna Grass | Glyceria striata | | 0.30% | 0.02 | 1.06 | 0.77% |
| Fowl Bluegrass | Poa palustris | | 11.70% | 0.70 | 33.52 | 24.25% |
| Little Bluestem | Schizachyrium scoparium | | 36.00% | 2.16 | 11.90 | 8.61% |
| Prairie Dropseed | Sporobolus heterolepis | | 6.00% | 0.36 | 2.12 | 1.53% |
| **Graminoid Total** | | | **75.00%** | **4.50** | **70.02** | **50.64%** |
| Canada Anemone | Anemone canadensis | May-Jun | 1.51% | 0.09 | 0.27 | 0.19% |
| Canada Milkvetch | Astragalus canadensis | Jun-Aug | 3.09% | 0.19 | 1.16 | 0.84% |
| Nodding Bur Marigold | Bidens cernua | Jun-Sep | 0.75% | 0.05 | 0.35 | 0.25% |
| Southern Blue Flag Iris | Iris virginica shrevei | May-Jul | 1.51% | 0.09 | 0.03 | 0.02% |
| Great Blue Lobelia | Lobelia siphilitica | Jul-Oct | 1.20% | 0.07 | 13.22 | 9.56% |
| Monkey Flower | Mimulus ringens | Jun-Sep | 0.60% | 0.04 | 30.41 | 22.00% |
| Virginia Mountain Mint | Pycnanthemum virginianum | Jun-Sep | 1.51% | 0.09 | 7.32 | 5.30% |
| Black-eyed Susan | Rudbeckia hirta | Jun-Oct | 4.14% | 0.25 | 8.39 | 6.07% |
| Calico Aster | Symphyotrichum lateriflorum | Aug-Oct | 0.90% | 0.05 | 4.96 | 3.59% |
| Ohio Spiderwort | Tradescantia ohiensis | May-Jul | 3.77% | 0.23 | 0.66 | 0.48% |
| Golden Alexanders | Zizia aurea | Apr-Jun | 6.02% | 0.36 | 1.46 | 1.06% |
| **Forb Total** | | | **25.00%** | **1.50** | **68.24** | **49.36%** |
| **Mix Total** | | | **100.00%** | **6.00** | **138.26** | **100.00%** |

## SEED NOTES

1. CONSULT WITH LOCAL NURSERY ON THE AVAILABILITY OF THE SUGGESTED SEED MIX.
2. REPLACEMENT SEEDS SHALL BE NATIVE
3. CONTRACTOR SHALL PROVIDE UNIFORMLY BLENDED SEED MIXES AS REQUIRED BY THE CONTRACT.
4. CONTRACTOR TO PROVIDE SEED MEETING THE MINIMUM PURITY AND GERMINATION REQUIREMENTS.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SARAH SMEDLEY, MINNESOTA LICENSE NO. 52904
DATE OF SIGNATURE: OCTOBER 23, 2026

ENGINEER
MERIDIEM ENGINEERING

CONTRACTOR
RE:THINK

OWNER/DEVELOPER
SUNVEST SOLAR LLC

**REVISIONS**

| NO. | DATE | DESCRIPTION |
|---|---|---|
| 0 | 10/23/2026 | ISSUED FOR PERMIT SUBMITTAL |

PROJECT

**SPRING PRAIRIE CSG 1, LLC**
14547 90TH AVE N
GLYNDON, MN 56547

SHEET NAME
**EROSION & SEDIMENT CONTROL NOTES, SEED MIX & NOTES**

SHEET NUMBER
**C002**

SHEET SIZE
22"x34"

REVISION
**0**

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Plotted: 10/23/2026 1:33 PM By: Tom Reece




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N

0 40 80 160

SCALE: 1" = 80

ENGINEER
MERIDIEM ENGINEERING

CONTRACTOR
RE.THINK

OWNER/DEVELOPER
SUNVEST SOLAR LLC

**REVISIONS**

| NO. | DATE | DESCRIPTION |
|---|---|---|
| 0 | 10/23/2026 | ISSUED FOR PERMIT SUBMITTAL |

PROJECT

**SPRING PRAIRIE CSG 1, LLC**
14547 90TH AVE N
GLYNDON, MN 56547

SHEET NAME
**EXISTING CONDITIONS**

SHEET NUMBER
**C101**

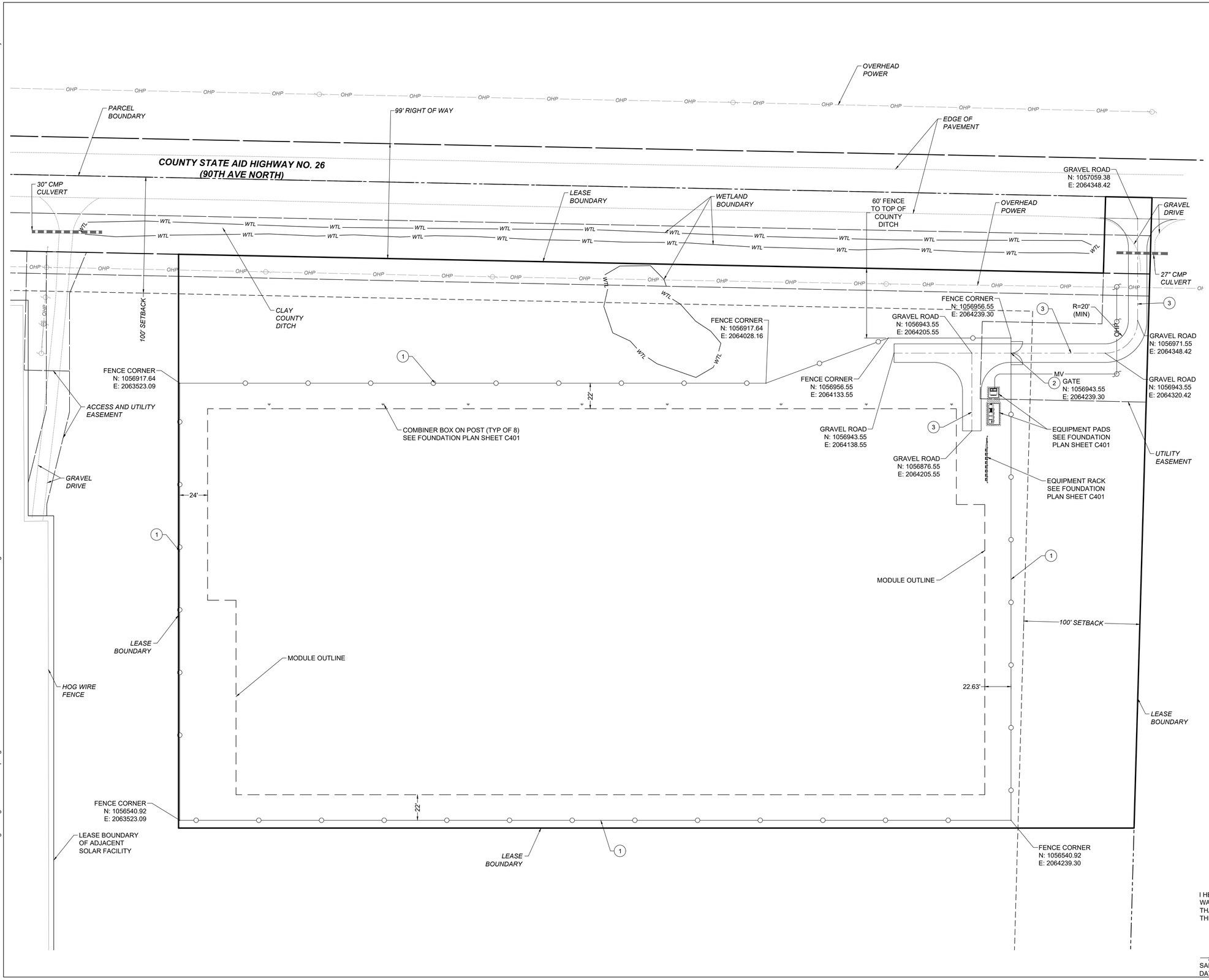
SHEET SIZE
22"x34"

REVISION
0

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SARAH SMEDLEY, MINNESOTA LICENSE NO. 52904
DATE OF SIGNATURE: OCTOBER 23, 2026

Plotted: 10/23/2026 1:33 PM By: Tom Reece




## CONSTRUCTION NOTES

1. CONSTRUCT 7' TALL GAME FENCE PER DETAIL 1 & 2 ON SHEET C501
2. CONSTRUCT 20' WIDE DRIVE GATE PER DETAIL 3 ON SHEET C501
3. CONSTRUCT 16' WIDE GRAVEL ACCESS DRIVE PER DETAIL 4 ON SHEET C501

ENGINEER
MERIDIEM ENGINEERING

CONTRACTOR
RE THINK ENERGY

OWNER/DEVELOPER
SUNVEST SOLAR LLC

**REVISIONS**

| NO. | DATE | DESCRIPTION |
|---|---|---|
| 0 | 10/23/2026 | ISSUED FOR PERMIT SUBMITTAL |

PROJECT

**SPRING PRAIRIE CSG 1, LLC**
14547 90TH AVE N
GLYNDON, MN 56547

SHEET NAME
**ROAD & FENCE PLAN**

SHEET NUMBER
**C201**

SHEET SIZE
22"x34"

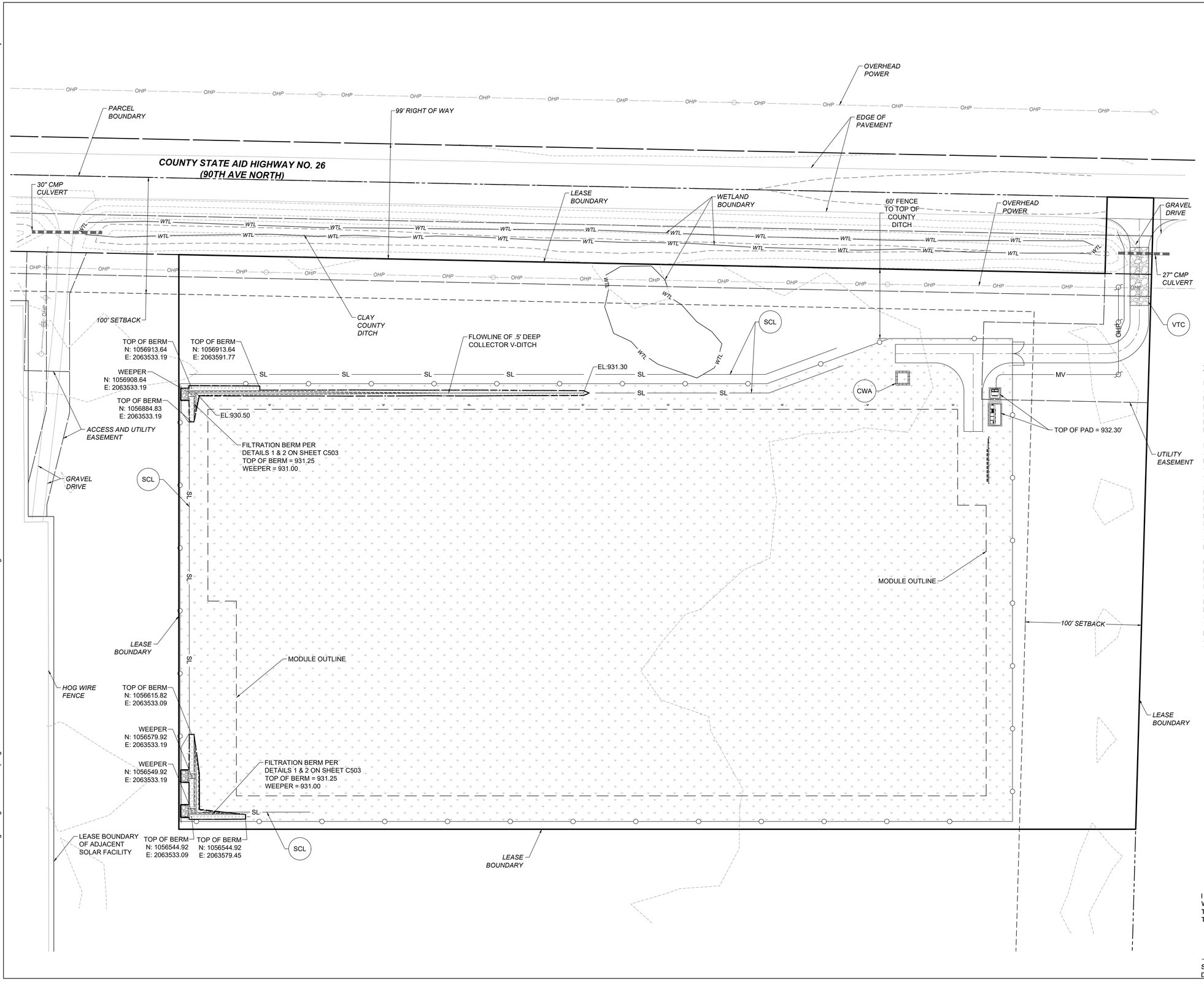
REVISION
0

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SARAH SMEDLEY, MINNESOTA LICENSE NO. 52904
DATE OF SIGNATURE: OCTOBER 23, 2026

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N

0 20 40 80

SCALE: 1" = 40

## BMP LEGEND

- SCL — INSTALL SEDIMENT CONTROL LOGS PER DETAIL 1 OR SILT FENCE PER DETAIL 2 ON SHEET C502
- VTC — INSTALL VEHICLE TRACKOUT CONTROL PER DETAIL 3 ON SHEET C502
- CWA — CONCRETE WASTE AREA PER DETAIL 4 ON SHEET C502
- POLLINATOR SEED MIX. FOR SEED MIX AND NOTES SEE SHEET C002
- BASIN SEED MIX. FOR SEED MIX AND NOTES SEE SHEET C002

## IMPERVIOUS

PRE-DEVELOPED = 0.00 AC
POST-DEVELOPED = 0.17 AC

## SWPPP NARRATIVE

THIS PLAN IS TO SUPPLEMENT THE CONSTRUCTION OF SPRING PRAIRIE SOLAR, A 0.985 MW SINGLE AXIS TRACKER SOLAR SITE IN GLYNDON, MN. THE CONSTRUCTION PROCESS WILL INCLUDE INSTALLATION OF A GRAVEL ROAD, PERIMETER FENCE, ARRAY RACKING AND MODULES MOUNTED TO DRIVEN PILES, INSTALLATION OF EQUIPMENT RACKS AND CONCRETE EQUIPMENT PADS, ELECTRICAL TRENCHING AND INSTALLATION, AND FILTRATION BERMS.

PRIOR TO ANY SITE DISTURBANCE, SILT FENCE AND/OR SEDIMENT LOGS AND VEHICLE TRACKOUT CONTROL WILL BE INSTALLED AS SHOWN ON THE PLANS. THESE TEMPORARY CONTROLS WILL BE INSTALLED PRIOR TO CONSTRUCTION IN ORDER TO MITIGATE SEDIMENT FROM LEAVING THE SITE AND AS NEEDED TO PREVENT CONSTRUCTION TRAFFIC FROM ENTERING THE SITE WITH FOREIGN SOILS. THE AREA OF THE PROPOSED ARRAY WILL BE MOWED AND THE CUTTINGS WILL BE SPREAD EVENLY AS A MULCH COVER AND THEN LIGHTLY ROLLED TO PROVIDE AN EVEN SURFACE. SITE GRADING NECESSARY FOR THE INSTALLATION OF THE SOLAR ARRAYS WILL BE COMPLETED. PRIOR TO ANY CONCRETE WORK OR CONCRETE DELIVERIES, A CONCRETE WASH AREA WILL BE INSTALLED AND PROPERLY MARKED.

UPON COMPLETION OF THE MECHANICAL AND ELECTRICAL INSTALLATION, THE APPROVED SEED MIX WILL BE APPLIED AS DIRECTED. IF NECESSARY, EROSION CONTROL BLANKETS CAN BE INSTALLED ON THE NEWLY GRADED/EXPOSED AREAS WITH STEEP SLOPES TO IMPEDE SOIL LOSS FROM WIND AND RAIN EROSION AS WELL AS TO HELP PERMANENT SEEDING TO TAKE HOLD. INSTALLATION OF THE FILTRATION BERMS WILL COMMENCE. TEMPORARY BMPS WILL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS UNTIL THE SITE REACHES FINAL STABILIZATION. ONCE STABILIZATION HAS OCCURRED ON THE SITE AND THE FILTRATION BERMS, THE TEMPORARY BMPS WILL BE REMOVED.

## SWPPP NOTES

1. DISCHARGE FROM BMPS SHALL BE ROUTED TO VEGETATED AREAS UNLESS UNFEASIBLE
2. SWPPP AND EROSION PLAN SHALL BE KEPT ON SITE DURING CONSTRUCTION ALONG WITH ANY MODIFICATION MADE TO SWPPP
3. INSPECTIONS MUST BE MADE AT THE END OF EACH WORK DAY AND WHEN SEVERE WEATHER IS IMMINENT
4. THE SITE IS COMPRISED OF SOIL GROUP D. CALCULATIONS WERE COMPLETED WITH SOIL GROUP D - SILTY CLAY (CL-ML).

## SWPPP INSTALLATION & MAINTENANCE

RETHINK ELECTRIC IS CERTIFIED FOR CONSTRUCTION INSTALLATION THROUGH THE EROSION AND STORMWATER MANAGEMENT CERTIFICATION PROGRAM AND WILL BE SUPERVISING THE INSTALLATION AND MAINTENANCE OF THE SITE BMPS. INSPECTION WILL BE COMPLETED BY RETHINK ELECTRICAL. PERSONNEL CHANGES WILL BE IDENTIFIED AND ADDED TO THE ONSITE EROSION CONTROL PLANS. SUNVEST SOLAR WILL BE RESPONSIBLE FOR THE LONG TERM MAINTENANCE OF THE PERMANENT BMPS.

## SWPPP DESIGNER

TOM REECE - MERIDIEM ENGINEERING LLC
DESIGN OF CONSTRUCTION SWPPP (EXP MAY 31, 2027)

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SARAH SMEDLEY, MINNESOTA LICENSE NO. 52904
DATE OF SIGNATURE: OCTOBER 23, 2026

ENGINEER: MERIDIEM ENGINEERING
CONTRACTOR: RETHINK
OWNER/DEVELOPER: SUNVEST SOLAR LLC

| REVISIONS | | |
|---|---|---|
| NO. | DATE | DESCRIPTION |
| 0 | 10/23/2026 | ISSUED FOR PERMIT SUBMITTAL |

PROJECT

**SPRING PRAIRIE CSG 1, LLC**
14547 90TH AVE N
GLYNDON, MN 56547

SHEET NAME: **GRADING & EROSION CONTROL PLAN**

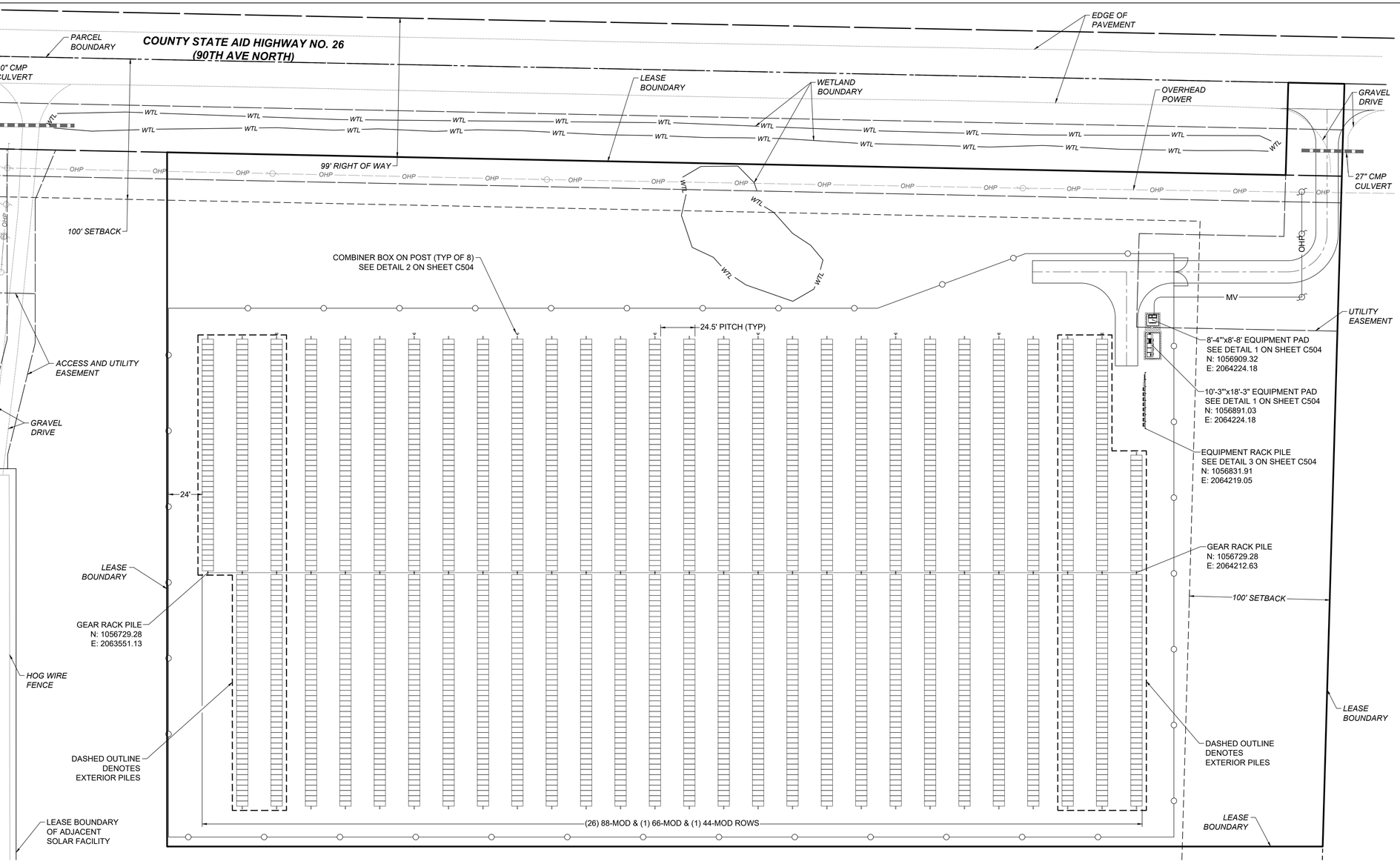
SHEET NUMBER: **C301**

SHEET SIZE: 22"x34"

REVISION: **0**

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Plotted: 10/23/2026 1:33 PM By: Tom Reece




## NOTES:

1. SEE ATI DRAWINGS FOR RACKING DESIGN AND DETAILS.
2. SEE AMPACITY CALCULATIONS FOR FOUNDATION DESIGN OF THE TRACKERS.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SARAH SMEDLEY, MINNESOTA LICENSE NO. 52904
DATE OF SIGNATURE: OCTOBER 23, 2026

ENGINEER: MERIDIEM ENGINEERING

CONTRACTOR: RETHINK

OWNER/DEVELOPER: SUNVEST SOLAR LLC

**REVISIONS**

| NO. | DATE | DESCRIPTION |
|---|---|---|
| 0 | 10/23/2026 | ISSUED FOR PERMIT SUBMITTAL |

PROJECT

**SPRING PRAIRIE CSG 1, LLC**
14547 90TH AVE N
GLYNDON, MN 56547

SHEET NAME: **FOUNDATION PLAN**

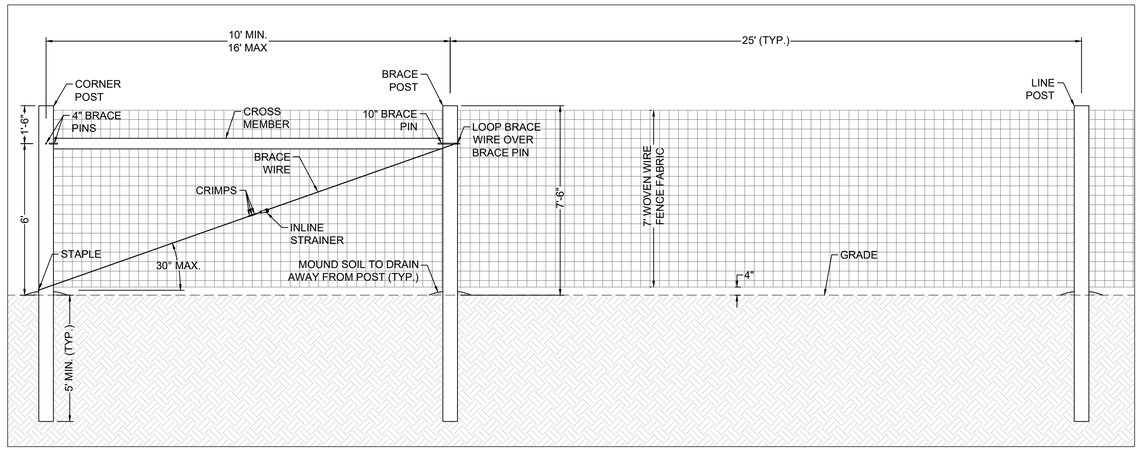
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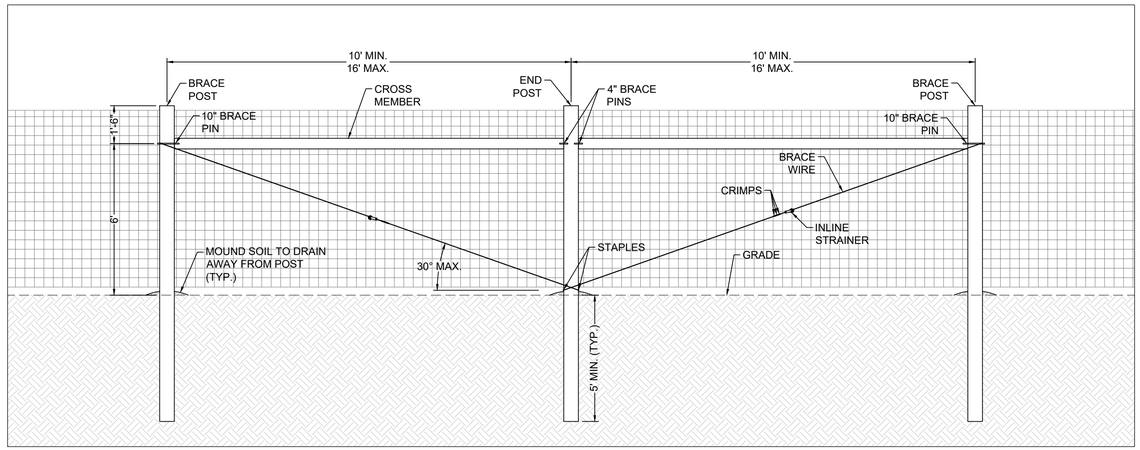
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Plotted: 10/23/2026 1:33 PM By: Tom Reece



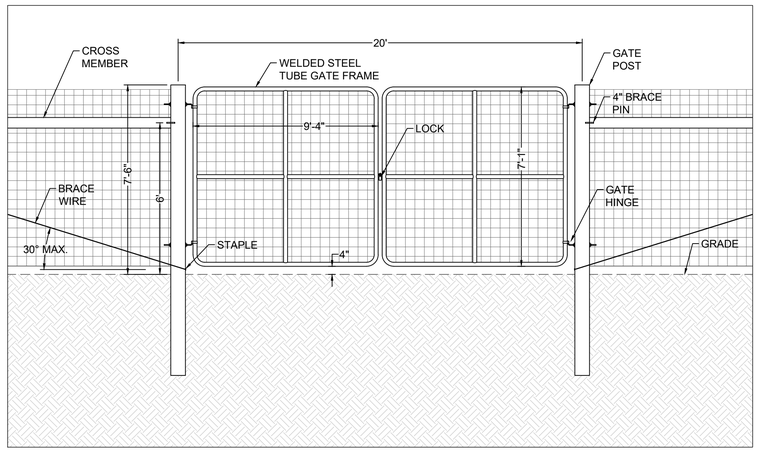

## 1 7' PERIMETER GAME FENCE

SCALE: 1"=3' VIEW: ELEVATION




## 2 GAME FENCE BRACE PANEL

SCALE: 1"=3' VIEW: ELEVATION

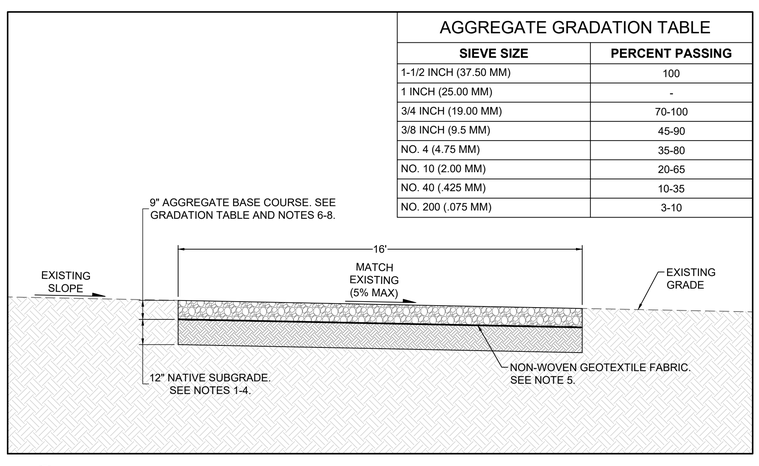



## 3 GAME FENCE DRIVE GATE

SCALE: 1"=3' VIEW: ELEVATION

### AGGREGATE GRADATION TABLE

| SIEVE SIZE | PERCENT PASSING |
|---|---|
| 1-1/2 INCH (37.50 MM) | 100 |
| 1 INCH (25.00 MM) | - |
| 3/4 INCH (19.00 MM) | 70-100 |
| 3/8 INCH (9.5 MM) | 45-90 |
| NO. 4 (4.75 MM) | 35-80 |
| NO. 10 (2.00 MM) | 20-65 |
| NO. 40 (.425 MM) | 10-35 |
| NO. 200 (.075 MM) | 3-10 |




## 4 16' AT-GRADE ACCESS ROAD

SCALE: 1"=3' VIEW: SECTION

### GAME FENCE & GATE NOTES

1. FENCE DESIGN SHALL COMPLY WITH THE SPECIFICATIONS OF SECTION 110.31 "ENCLOSURE FOR ELECTRICAL INSTALLATIONS" FROM THE LATEST VERSION OF THE NATIONAL ELECTRIC CODE.
2. ALL HARDWARE, FENCE FABRIC AND OTHER METAL COMPONENTS SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123.
3. FENCE FABRIC SHALL BE 12-1/2 GAUGE HIGH TENSILE CLASS 3 WOVEN WIRE MESH WITH 4" OPENINGS.
4. SOFTWOOD POSTS SHALL BE PRESSURE TREATED WITH CHROMATE COPPER ARSENATE WITH A MINIMUM LEVEL OF 0.40%. HARDWOOD POSTS DO NOT REQUIRE TREATMENT.
5. VERTICAL POSTS (CORNER, BRACE, LINE, END, AND GATE) SHALL BE 7" DIAMETER HARDWOOD OR TREATED SOFTWOOD.
6. CROSS MEMBERS SHALL BE 5" DIAMETER WOOD POSTS.
7. BRACE PINS SHALL BE 1/2" DIAMETER OR GREATER.
8. BRACE WIRE SHALL BE DOUBLE WRAPPED 12-1/2 GAUGE HI-TENSILE WIRE.
9. STAPLES SHALL BE 1-3/4" DOUBLE BARBED SPACED AT 12" MAX.
10. BRACE SECTIONS SHALL BE USED AT TERMINAL AND ANGLE POINTS AND WHERE THE DISTANCE BETWEEN BRACED SECTIONS EXCEEDS 1320'.
11. GATES ALONG THE PERIMETER SHALL HAVE HEAVY DUTY BOLT-CUTTER RESISTANT PADLOCKS

### ACCESS ROAD NOTES

1. SOIL PREPARATION SHALL INCLUDE THE REMOVAL OF EXISTING VEGETATION, CULTIVATED SOIL, TOPSOIL, AND OTHER SOFT, UNSUITABLE OR DELETERIOUS MATERIAL AND CLODS OR FRAGMENTS LARGER THAN 3" IN ANY DIMENSION.
2. NATIVE MATERIAL SHALL BE SCARIFIED TO THE FULL DEPTH OF THE SUBGRADE AND MIXED TO ACHIEVE UNIFORM MOISTURE CONTENT AT ±3% OF OPTIMUM AND RECOMPACTED TO 95% OF THE MAXIMUM DRY DENSITY USING STANDARD PROCTOR METHOD (ASTM-D698).
3. THE COMPACTED SUBGRADE SHALL BE PROOF ROLLED AND SOFT OR UNYIELDING AREAS OR LOW POINTS WHICH MAY COLLECT WATER SHALL BE REPAIRED IN PLACE BY ADDITIONAL DENSIFICATION/COMPACTION, OR REPLACED WITH ENGINEERED FILL.
4. IF FROZEN SOILS ARE ENCOUNTERED THEY SHALL BE REMOVED AND REPLACED WITH SUITABLE FILL PRIOR TO PLACING SUBGRADE OR SURFACE MATERIAL.
5. PROTRUDING SHARP OBJECTS SHALL BE REMOVED FROM THE FINISHED SUBGRADE PRIOR TO PLACING THE GEOTEXTILE.
6. SURFACE AGGREGATE SHALL CONFORM TO MNDOT STANDARD SPEC 3138.
7. AGGREGATES SHALL BE FREE FROM LARGE QUANTITIES OF DUST, SOFT OR FLAKY PARTICLES, LOAMS, ALKALI, ORGANIC MATTER, PAPER, WOOD, OR OTHER DELETERIOUS MATTER.
8. SURFACE AGGREGATE SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY AT ±3% OF THE OPTIMUM MOISTURE CONTENT USING STANDARD PROCTOR METHOD (ASTM-D698).
9. UPON COMPLETION OF CONSTRUCTION THE ROAD SURFACE SHALL BE INSPECTED FOR RUTTING AND ANY LOW POINTS SHALL BE RESTORED TO FINISHED GRADE AND TEMPORARY ROADS UTILIZED DURING CONSTRUCTION SHALL BE REMOVED AND RESTORED TO PRE-CONSTRUCTION CONDITION.

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SARAH SMEDLEY, MINNESOTA LICENSE NO. 52904
DATE OF SIGNATURE: OCTOBER 23, 2026

ENGINEER: MERIDIEM ENGINEERING
CONTRACTOR: RE:THINK
OWNER/DEVELOPER: SUNVEST SOLAR LLC

**REVISIONS**

| NO. | DATE | DESCRIPTION |
|---|---|---|
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PROJECT

**SPRING PRAIRIE CSG 1, LLC**
14547 90TH AVE N
GLYNDON, MN 56547

SHEET NAME: **ROAD & FENCE DETAILS**

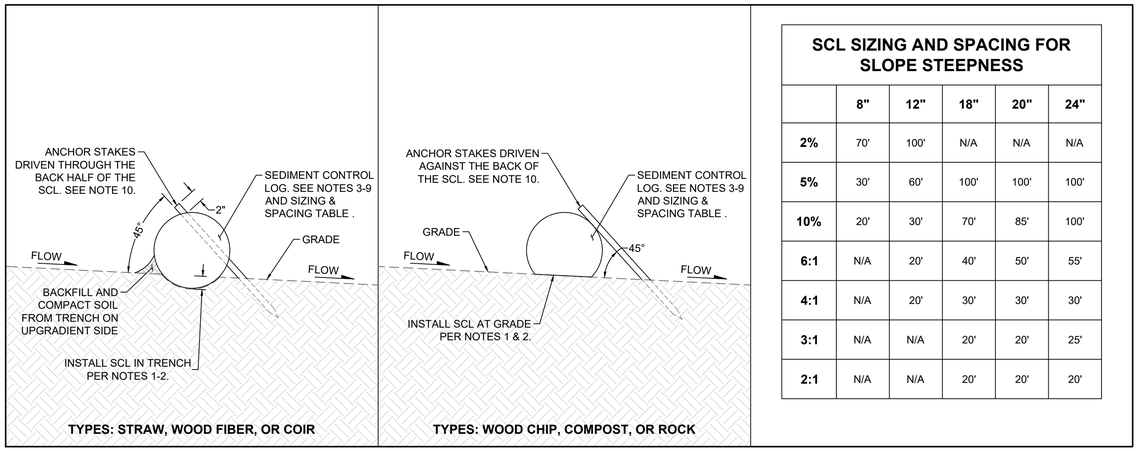
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SHEET SIZE: 22"x34"

REVISION: **0**

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Plotted: 10/23/2026 1:33 PM By: Tom Reece

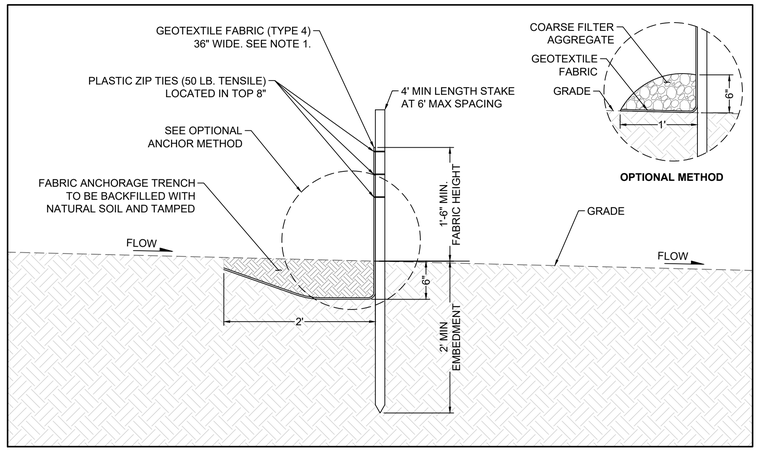



**SCL SIZING AND SPACING FOR SLOPE STEEPNESS**

| | 8" | 12" | 18" | 20" | 24" |
|---|---|---|---|---|---|
| **2%** | 70' | 100' | N/A | N/A | N/A |
| **5%** | 30' | 60' | 100' | 100' | 100' |
| **10%** | 20' | 30' | 70' | 85' | 100' |
| **6:1** | N/A | 20' | 40' | 50' | 55' |
| **4:1** | N/A | 20' | 30' | 30' | 30' |
| **3:1** | N/A | N/A | 20' | 20' | 25' |
| **2:1** | N/A | N/A | 20' | 20' | 20' |

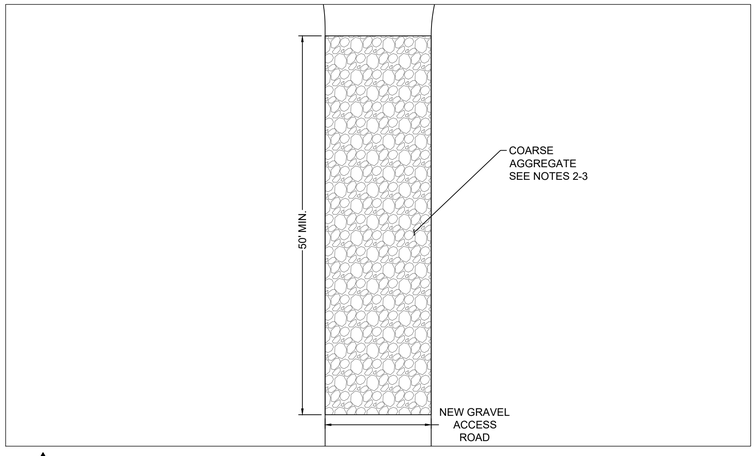
## 1 SEDIMENT CONTROL LOG

SCALE: 1"=1' VIEW: SECTION



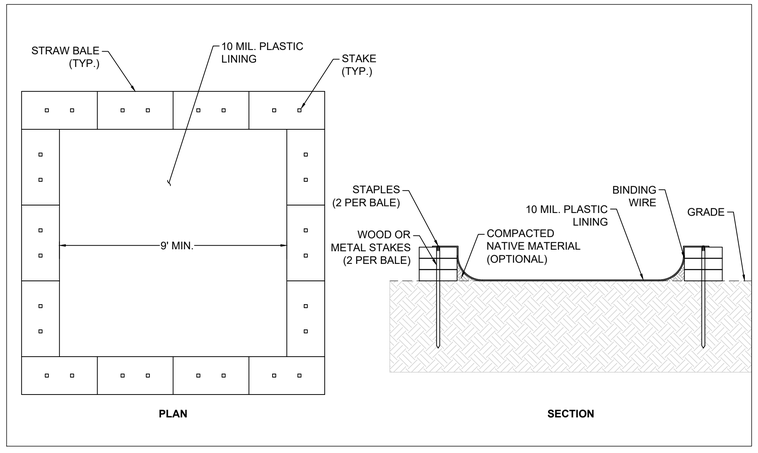

## 2 SILT FENCE

SCALE: 1"=1' VIEW: SECTION




## 3 VEHICLE TRACKOUT CONTROL

SCALE: 1"=10' VIEW: PLAN




## 4 CONCRETE WASTE AREA

SCALE: 1"=3' VIEW: AS SHOWN

## SEDIMENT CONTROL LOG (SCL) NOTES

1. REMOVE ROCKS, CLODS AND OTHER OBSTRUCTIONS FROM THE SURFACE AND SEAT THE SCL IN A 1 TO 2 IN DEEP TRENCH SUCH THAT NO GAPS EXIST BETWEEN THE SOIL AND THE BOTTOM OF THE DEVICE. IF THE FILTER MEDIA IS OF SUFFICIENT WEIGHT (E.G. WOOD CHIP, COMPOST, ROCK) TO PREVENT MOVEMENT AND/OR UNDERCUTTING THAN LOGS MAY BE PLACED AT GRADE.
2. LAP THE ENDS OF ADJACENT SEGMENTS A MINIMUM OF 6 IN.
3. FILTER MEDIA SHALL BE ENCASED IN A PHOTODEGRADABLE SYNTHETIC OR NATURAL NETTING WITH 1/2 IN OPENINGS FOR STRAW AND WOOD FIBER MEDIA, AND 1/8 TO 3/8 IN OPENINGS FOR WOOD CHIP AND COMPOST MEDIA.
4. STRAW MEDIA SHALL BE CLEAN, WEED-FREE AGRICULTURAL GRAIN OR NATIVE GRASS STRAW.
5. WOOD FIBER MEDIA SHALL BE EXCELSIOR WOOD FIBER.
6. COIR LOGS SHALL CONSIST OF COIR FIBERS ENCASED IN COIR NETTING.
7. WOOD CHIP MEDIA SHALL BE RAW HARD OR SOFT TIMBER CHIPS WITH INDIVIDUAL PIECES NO LARGER THAN 2 IN X 12 IN THAT ARE FREE OF MOLD, DIRT, SAWDUST, AND OTHER DELETERIOUS MATERIAL . COMPOST MEDIA SHALL BE A MIX OF 30-40% DECOMPOSED ORGANIC PLANT MATERIALS WITH A MAXIMUM PARTICLE SIZE OF 3/4 IN AND 60-70% WOOD CHIPS (PER NOTE 7).
8. ROCK LOGS SHALL CONSIST OF WASHED 3/4 IN TO 1-1/2 IN COARSE AGGREGATE ENCASED IN A GEOTEXTILE MATERIAL WITH A MINIMUM GRAB TENSILE STRENGTH OF 130 LBF AND A MINIMUM MULLEN BURST STRENGTH OF 175 PSI.
9. ANCHOR STAKES SHALL BE 1 IN X 2 IN WOOD STAKES 12 IN LONGER THAN THE LOG DIAMETER INSTALLED EVERY 4 FT. FOR DITCH CHECKS STAKES SHALL BE INSTALLED EVERY FOOT.
10. THE DEVICE SHALL BE INSPECTED REGULARLY TO ENSURE THAT FLOWS ARE NOT UNDERMINING OR CAUSING MOVEMENT. IF A FAILURE IS OBSERVED INSTALL ADDITIONAL STAKES AND/OR RECONFIGURE LOGS TO RESTORE EFFICACY.
11. REPAIR ALL RILLS, GULLIES, AND UNDERCUTTING AND REMOVE SEDIMENT DEPOSITS WHEN SEDIMENT REACHES 1/3 THE HEIGHT OF THE EXPOSED LOG.
12. PRIOR TO FINAL STABILIZATION, BACKFILL ALL DEPRESSIONS CAUSED BY THE REMOVAL OF DEVICES.

## SILT FENCE NOTES

1. GEOTEXTILE FABRIC SHALL BE A WOVEN OR NONWOVEN SYNTHETIC FIBER FABRIC COMPLYING WITH AASHTO M288.
2. GEOTEXTILE FABRIC SHALL BE SPLICED TOGETHER WITH A SEWN SEAM AT A SUPPORT POST, OR TWO SECTIONS OF FENCE MAY BE OVERLAPPED INSTEAD.
3. THE FENCE SHOULD FOLLOW THE CONTOUR OF THE SLOPE TO THE MAXIMUM AMOUNT PRACTICABLE AND HAVE NO DIPS OR LOW AREAS WHERE WATER WILL ACCUMULATE AND POOL. POOLED WATER IS A MAJOR CAUSE OF FAILURE BECAUSE OF THE HIGH PRESSURE IT PLACES ON THE FENCE.
4. ENDS OF THE FENCE SHOULD ALWAYS BE ANGLED UP SLOPE SO WATER CANNOT FLOW AROUND THEM.
5. THE MAXIMUM UP SLOPE GRADE PERPENDICULAR TO THE FENCE LINE SHOULD NOT EXCEED 1:1.
6. INSPECT BMPS ACCORDING TO NORMAL MAINTENANCE SCHEDULE.
7. INSPECTION SHOULD INCLUDE ENSURING FABRIC IS PROPERLY TRENCHED INTO THE GROUND AND FABRIC IS NOT TORN OR SAGGING.
8. SEDIMENT REMOVAL AND DISPOSAL IS REQUIRED WHEN SEDIMENT COVERS 1/3 OF THE HEIGHT OF THE FENCE.

## STABILIZED CONSTRUCTION EXIT NOTES

1. ALL CONSTRUCTION TRAFFIC IS TO EXIT THE SITE THROUGH THE STABILIZED EXIT.
2. THE ROCK PAD SHALL BE 3" COARSE AGGREGATE SPREAD EVENLY 6" THICK WITH A NONWOVEN GEOTEXTILE FABRIC BENEATH.
3. INSPECT DAILY FOR SEDIMENT ACCUMULATION WHICH MAY AFFECT PERFORMANCE. IF THE EFFECTIVENESS OF SEDIMENT REMOVAL IS REDUCED CLEAN AND REGRADE THE EXISTING ROCK OR ADD ADDITIONAL ROCK TO INCREASE THE PAD THICKNESS AND/OR LENGTH UNTIL EFFECTIVENESS IS RESTORED.
4. ENSURE THAT ANY WASH WATER USED IS DRAINED TO A SEDIMENT TRAP.

## CONCRETE WASTE AREA NOTES

1. PERFORM WASHOUT OF CONCRETE MIXERS, DELIVERY TRUCKS, AND OTHER DELIVERY SYSTEMS IN DESIGNATED AREA ONLY.
2. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE LOCATED A MINIMUM OF 50 FEET FROM STORM DRAIN INLETS, OPEN DRAINAGE FACILITIES, AND WATERBODIES. EACH FACILITY IS TO BE LOCATED AWAY FROM CONSTRUCTION TRAFFIC OR ACCESS AREAS TO PREVENT DISTURBANCE OR TRACKING.
3. TEMPORARY CONCRETE WASHOUT FACILITIES MUST BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS. TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY. A MINIMUM FREEBOARD OF 4 INCHES FOR ABOVE GROUND FACILITIES AND 12 INCHES FOR BELOW GROUND FACILITIES SHALL BE MAINTAINED.
4. WASHOUT MAY BE COLLECTED IN AN IMPERMEABLE BAG OR OTHER IMPERMEABLE CONTAINMENT DEVICE FOR DISPOSAL.
5. ONCE CONCRETE WASTES ARE WASHED INTO THE DESIGNATED AREA AND ALLOWED TO HARDEN, THE CONCRETE MAY BE BROKEN UP, REMOVED AND DISPOSED OF.
6. CONCENTRATED RESIDUE FROM SAW CUTTING, CORING AND GRINDING OPERATIONS WILL BE PICKED UP BY MEANS OF A VACUUM DEVICE. THIS CONCENTRATED RESIDUE IS NOT TO BE ALLOWED TO FLOW ACROSS THE PAVEMENT AND CANNOT BE LEFT ON THE SURFACE OF THE PAVEMENT.
7. THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
8. WHEN THE CWA IS REMOVED, COVER THE DISTURBED AREA WITH TOP SOIL, SEED AND MULCH OR OTHERWISE STABILIZE.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SARAH SMEDLEY, MINNESOTA LICENSE NO. 52904
DATE OF SIGNATURE: OCTOBER 23, 2026

ENGINEER
MERIDIEM ENGINEERING

CONTRACTOR
RETHINK

OWNER/DEVELOPER
SUNVEST SOLAR LLC

**REVISIONS**

| NO. | DATE | DESCRIPTION |
|---|---|---|
| 0 | 10/23/2026 | ISSUED FOR PERMIT SUBMITTAL |

PROJECT

**SPRING PRAIRIE CSG 1, LLC**
14547 90TH AVE N
GLYNDON, MN 56547

SHEET NAME
**EROSION CONTROL DETAILS**

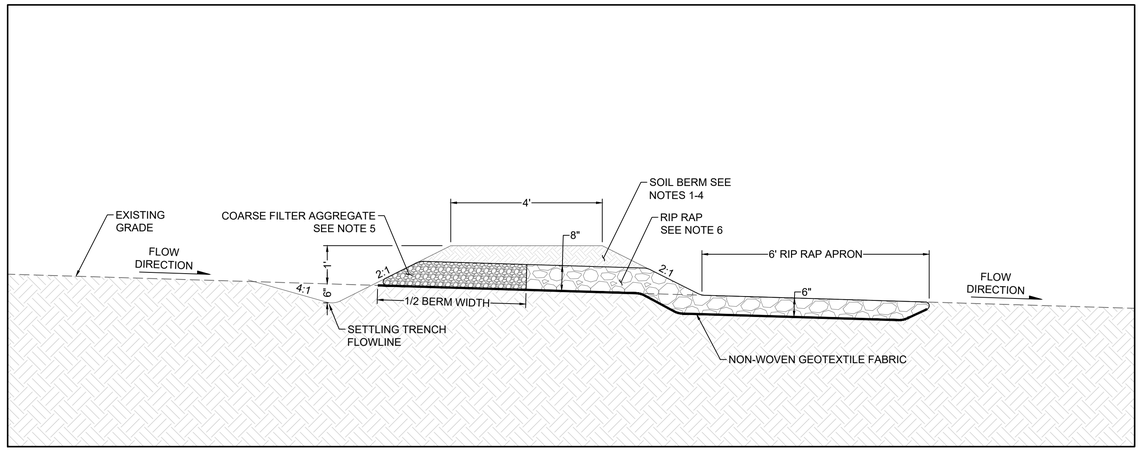
SHEET NUMBER
**C502**

SHEET SIZE
22"x34"

REVISION
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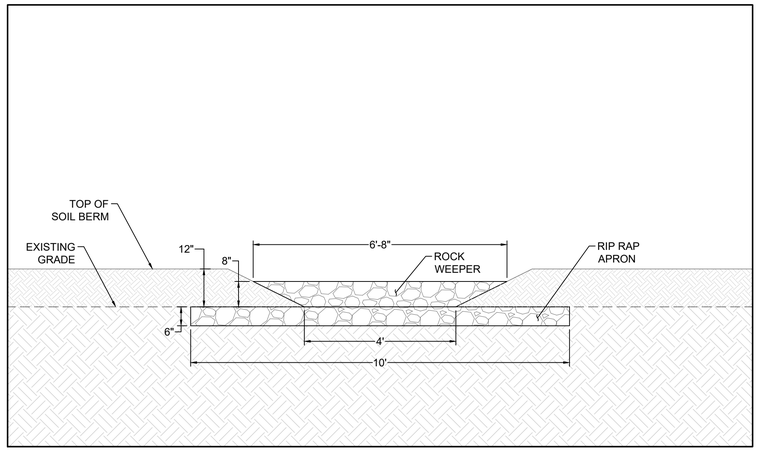
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Plotted: 10/23/2026 1:33 PM By: Tom Reece




## 1 FILTRATION BERM

SCALE: 1"=2' VIEW: SECTION




## 2 ROCK WEEPER

SCALE: 1"=2' VIEW: SECTION

## FILTRATION BERM NOTES

1. SOIL PREPARATION SHALL INCLUDE THE REMOVAL OF EXISTING VEGETATION, CULTIVATED SOIL, TOPSOIL, AND OTHER SOFT, UNSUITABLE OR DELETERIOUS MATERIAL AND CLODS OR FRAGMENTS LARGER THAN 3" IN ANY DIMENSION.
2. SOILS USED TO CONSTRUCT THE BERM SHALL BE FREE OF ROOTS, VEGETATION, ORGANIC MATTER, AND CONTAIN A SAND CONTENT BELOW 70 PERCENT.
3. SOIL SHALL BE MIXED TO ACHIEVE UNIFORM MOISTURE CONTENT AND COMPACTED. THE FINISHED BERM MUST BE STABILIZED IMMEDIATELY WITH PERMANENT VEGETATION OR EROSION CONTROL BLANKETS. IN AREAS WHICH ARE ANTICIPATED TO RECEIVE HIGH FLOW, SEED SHALL BE COVERED WITH EROSION CONTROL BLANKETS UNTIL PERMANENT VEGETATION IS ACHIEVED.
4. BERMS SHALL BE INSTALLED ON THE CONTOUR PERPENDICULAR TO SHEET FLOW AND SHALL HAVE A CONSISTENT SHAPE THROUGHOUT
5. COARSE FILTER AGGREGATE SHALL BE 1" ROCK CONSISTING OF NATURALLY OCCURRING UNIFORMLY BLENDED MINERAL MATERIALS WITH NO MORE THAN 20% PASSING THE NO. 200 SIEVE AND CONTAINING NO TOPSOIL, ORGANICS, OR SEVERELY WEATHERED ROCK.
6. RIP RAP SHALL HAVE A D50 = 6" AND SHALL BE FREE OF SOIL AND OTHER DEBRIS AND CONSIST OF STONES WITH AT LEAST ONE FRACTURED FACE WHOSE WIDTHS ARE NOT LESS THAN 30% OF THE LENGTH OF EACH STONE.
7. INSPECT BERMS WEEKLY AND BEFORE AND AFTER A RAIN EVENT. REPAIR DAMAGED AREAS WITHIN 24 HOURS AND REESTABLISH VEGETATIVE COVER OR TEMPORARY STABILIZATION AS SOON AS POSSIBLE. IF PORTIONS OF THE BERM OUTSIDE OF THE ROCK FILTERS ARE BREACHED THE BERM SHALL BE EXPANDED OR ENLARGED UNTIL BREACHING IS PREVENTED.

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DATE OF SIGNATURE: OCTOBER 23, 2026

ENGINEER
MERIDIEM ENGINEERING

CONTRACTOR
RE THINK

OWNER/DEVELOPER
SUNVEST SOLAR LLC

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| 0 | 10/23/2026 | ISSUED FOR PERMIT SUBMITTAL |

PROJECT

**SPRING PRAIRIE CSG 1, LLC**
14547 90TH AVE N
GLYNDON, MN 56547

SHEET NAME
**EROSION CONTROL DETAILS**

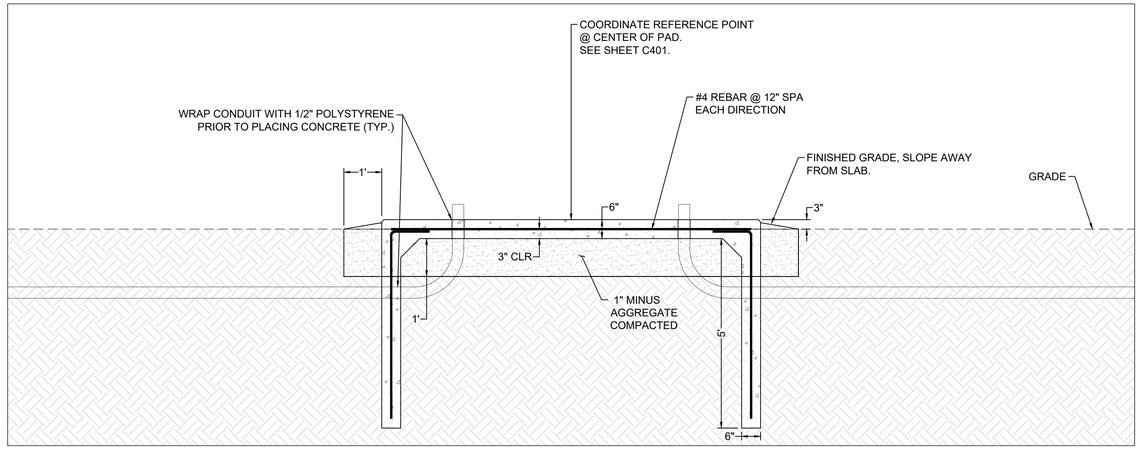
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**C503**

SHEET SIZE
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REVISION
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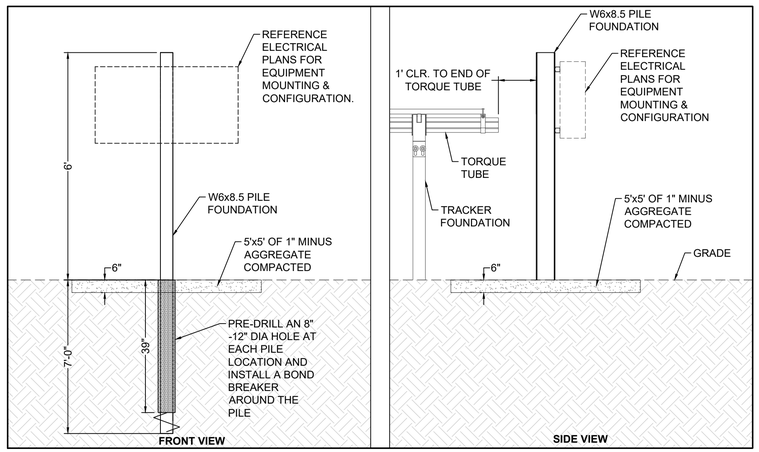
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Plotted: 10/23/2026 1:33 PM By: Tom Reece



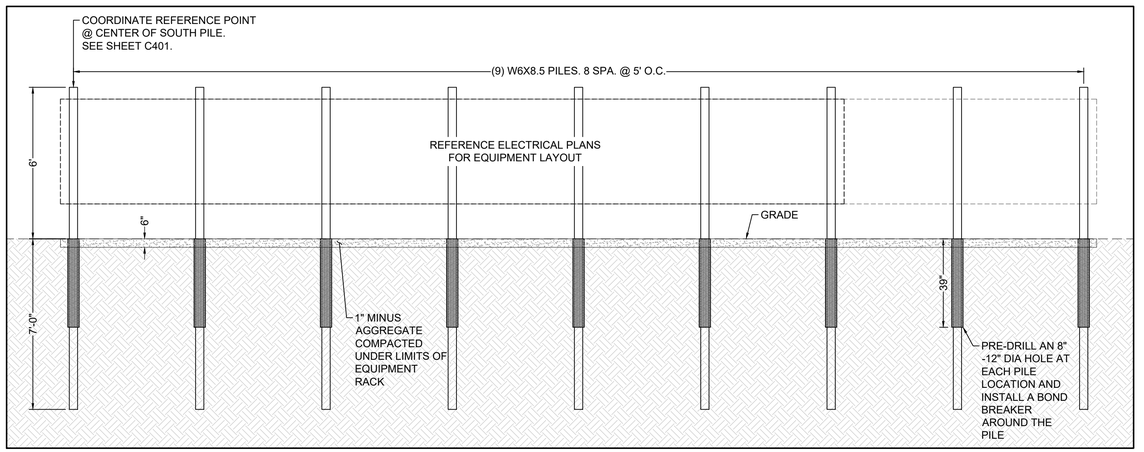

## 1 EQUIPMENT PAD

SCALE: 1"=2' VIEW: SECTION




## 2 COMBINER POSTS

SCALE: 1"=2' VIEW: SECTION




## 3 EQUIPMENT RACK POSTS

SCALE: 1"=3' VIEW: SECTION

## FOUNDATION NOTES:

1. GENERAL
   - 1.1. THESE PLANS INCLUDE THE STRUCTURAL PORTION OF THE FOUNDATIONS ONLY.
   - 1.2. THE CONTRACTOR SHALL VERIFY ALL EXISTING ELEVATIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
   - 1.3. DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL CASES, UNLESS NOTED OTHERWISE.
   - 1.4. FOR FOUNDATION LOCATION AND EQUIPMENT PLACEMENT, SEE CIVIL OR ELECTRICAL PLANS.

2. DESIGN SPECIFICATIONS
   - 2.1. CLAY COUNTY ADOPTED BUILDING CODE
   - 2.2. 2021 INTERNATIONAL BUILDING CODE (IBC)
   - 2.3. AMERICAN CONCRETE INSTITUTE (ACI) 318-11
   - 2.4. AMERICAN INSTITUTE OF STEEL CONSTRUCTION 360-14 (AISC)
   - 2.5. FOR SOIL INFORMATION, SEE GEOTECHNICAL REPORT PREPARED BY ANS DATED JUNE 16, 2026.
   - 2.6. DESIGN LOADS
     - 2.6.1. SNOW LOADS
       - 2.6.1.1. GROUND SNOW LOAD, PG = 24 PSF
     - 2.6.2. WIND LOADS
       - 2.6.2.1. 2.6.2.1 3-SECOND GUST, VULT = 103 MPH
       - 2.6.2.2. RISK CATEGORY I
     - 2.6.3. EXPOSURE CATEGORY C
     - 2.6.4. SEISMIC LOADS
       - 2.6.4.1. RISK CATEGORY I
       - 2.6.4.2. SEISMIC IMPORTANCE FACTOR, IE = 1.00
       - 2.6.4.3. SS = 0.059 G
       - 2.6.4.4. S1 = 0.019 G
       - 2.6.4.5. SITE CLASS E
       - 2.6.4.6. SDS = 0.094 G
       - 2.6.4.7. SD1 = 0.052 G
       - 2.6.4.8. SEISMIC DESIGN CATEGORY A

3. CONSTRUCTION SPECIFICATION
   - 3.1. ALL CONSTRUCTION SHALL CONFORM TO THE 2021 INTERNATIONAL BUILDING CODE.

4. REINFORCED CONCRETE
   - 4.1. CEMENT SHALL BE ASTM C 150 TYPE I OR II, OR EQUIVALENT. THE MAXIMUM WATER CEMENTITIOUS RATIO SHALL BE 0.45. THE CONCRETE SHALL HAVE TOTAL ENTRAINED AIR OF 6%, +/- 1.5%. MINIMUM COMPRESSION STRENGTH SHALL BE 3500 PSI AT 28 DAYS.
   - 4.2. WELDED WIRE REINFORCING SHALL CONFORM TO THE SPECIFICATIONS OF ASTM A1064 GRADE 65.
   - 4.3. DEFORMED REINFORCING BARS SHALL CONFORM TO THE SPECIFICATIONS OF ASTM A615 GRADE 60.
   - 4.4. ALL REINFORCING STEEL SHALL HAVE 2 INCH CLEAR COVER UNLESS NOTED OTHERWISE.
   - 4.5. CHAMFER ALL EXPOSED CORNERS 3/4 INCH UNLESS NOTED OTHERWISE.
   - 4.6. TOP SURFACE TO HAVE FLOAT FINISH OR LIGHT BROOM FINISH.
   - 4.7. SLAB TOLERANCE: MAX 1/8" IN 6' NON-CUMULATIVE.

5. STRUCTURAL STEEL
   - 5.1. WIDE FLANGE ROLLED SECTIONS SHALL CONFORM TO ASTM A992 WITH A MINIMUM YIELD STRESS OF 50 KSI.
   - 5.2. STEEL PIPE SHALL CONFORM TO ASTM A53 GR. B WITH A MINIMUM YIELD STRESS OF 35 KSI.
   - 5.3. STEEL PLATE SHALL CONFORM TO ASTM A36 WITH A MINIMUM YIELD STRESS OF 36 KSI.
   - 5.4. ALL STEEL SHALL BE HOT DIP GALVANIZED PER ASTM A123. MINIMUM THICKNESS SHALL BE 3 MILS.

6. EQUIPMENT ANCHORS
   - 6.1. EQUIPMENT SHALL BE SECURED TO THE CONCRETE PAD BY MEANS OF POST-INSTALLED ANCHORS. EITHER ADHESIVE OR EXPANSION ANCHORS MAY BE USED.
   - 6.2. THE MOUNTING HOLES ON THE EQUIPMENT FRAME SHALL BE USED AS A TEMPLATE TO ACCURATELY LOCATE THE ANCHORS.
   - 6.3. THE ANCHORS SHALL BE 1/2" DIAMETER NOMINAL (MINIMUM) AND SHALL BE EMBEDDED IN THE CONCRETE A MINIMUM OF 4 INCHES. THE ANCHORS SHALL BE ABLE TO DEVELOP A NOMINAL TENSION CAPACITY OF 1000 LBS AND A NOMINAL SHEAR CAPACITY OF 1000 LBS.
   - 6.4. ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. WASHER PLATES SHALL BE PLACED UNDER THE ANCHOR HEAD IN ORDER TO COMPLETELY COVER THE MOUNTING HOLE IN THE EQUIPMENT FRAME IF THE ANCHOR HEAD CANNOT COMPLETELY COVER THE MOUNTING HOLE.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SARAH SMEDLEY, MINNESOTA LICENSE NO. 52904
DATE OF SIGNATURE: OCTOBER 23, 2026

ENGINEER: MERIDIEM ENGINEERING

CONTRACTOR: RE THINK

OWNER/DEVELOPER: SUNVEST SOLAR LLC

**REVISIONS**

| NO. | DATE | DESCRIPTION |
|---|---|---|
| 0 | 10/23/2026 | ISSUED FOR PERMIT SUBMITTAL |

PROJECT

**SPRING PRAIRIE CSG 1, LLC**
14547 90TH AVE N
GLYNDON, MN 56547

SHEET NAME: **EROSION CONTROL DETAILS**

SHEET NUMBER: **C504**

SHEET SIZE: 22"x34"

REVISION: 0

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