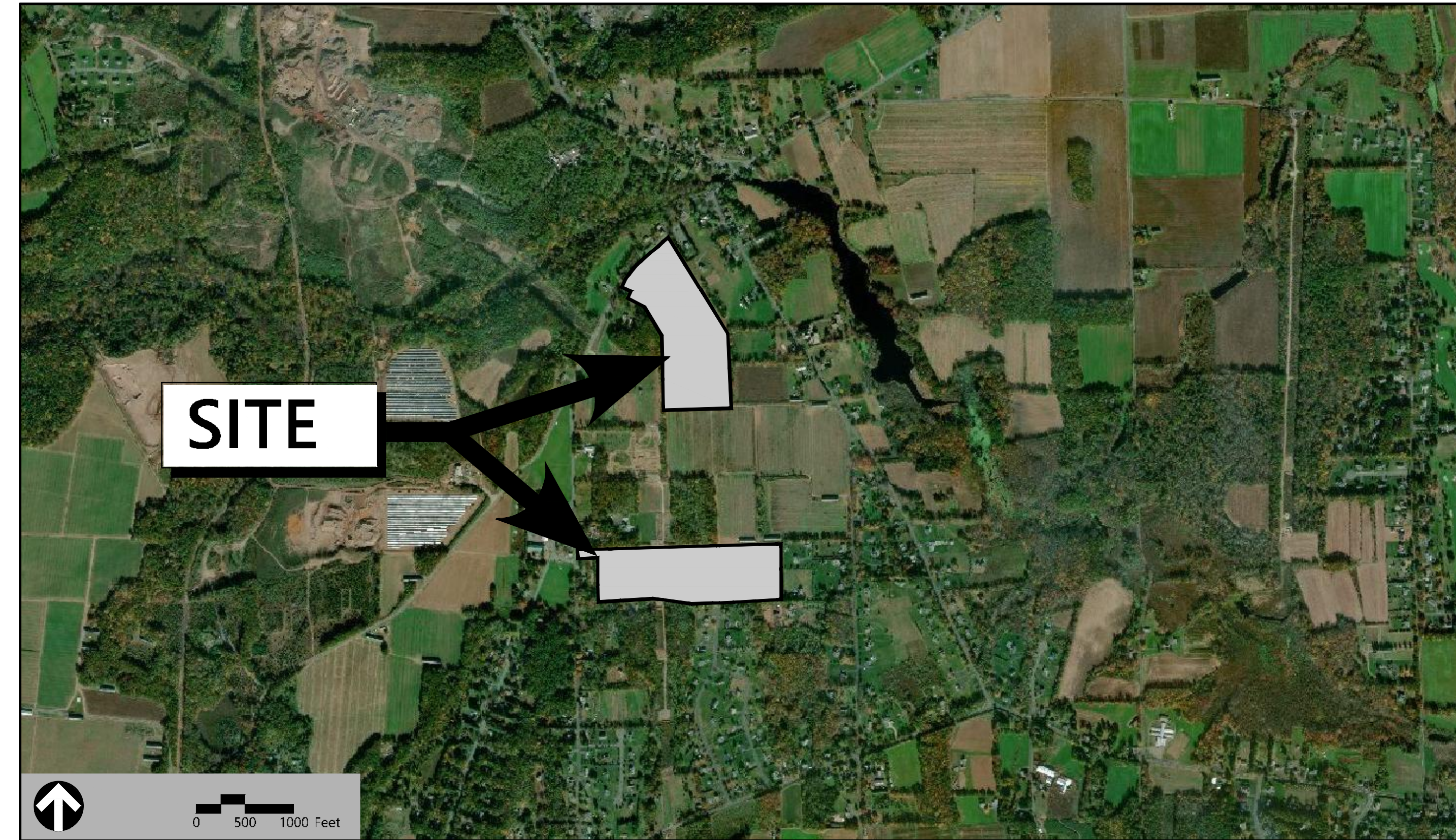


Site Plans

Issued for	Application
Date Issued	July 23, 2021
Latest Issue	November 4, 2021

Photovoltaic Installation

Mulnite Farms
East Windsor, Connecticut



100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300

Licensed Land Surveyor
Northeast Survey Consultants
116 Pleasant St. Suite 302
P.O. Box 109
Easthampton, MA 01027
413-203-5144

Applicant

Greenskies Clean Energy, LLC
127 Washington Ave
West Building, Garden Level
North Haven, CT 06473

Map / Block / Lot:

038 / 68 / 030
028 / 68 / 023

Owner

Mulnite Farms, Inc.
28 Miller Road
Broad Brook, CT 06016

Leonard A. Mulnite Revocable Trust Agreement
& Donna L. Mulnite Revocable Trust Agreement
28 Miller Road
Broad Brook, CT 06016

Sheet Index

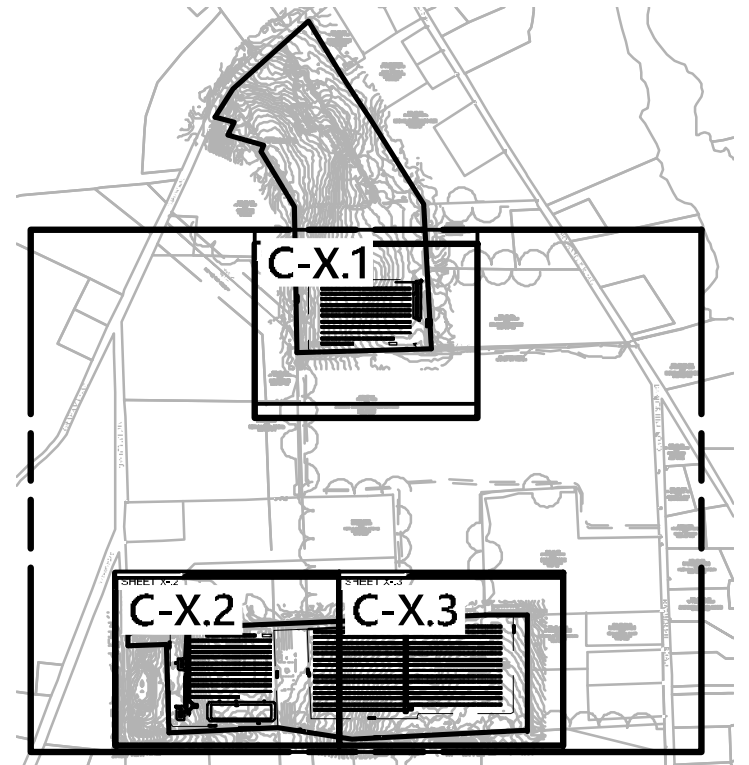
No.	Drawing Title	Latest Issue
C-1.0	Legend and General Notes	November 4, 2021
C-2.0	Key Plan	November 4, 2021
C-3.0	Layout and Materials Plan - Overall	November 4, 2021
C-3.1-3.3	Layout and Materials Plan 1 through 3	November 4, 2021
C-4.0	Grading and Drainage Plan - Overall	November 4, 2021
C-4.1-4.3	Grading and Drainage Plan 1 through 3	November 4, 2021
C-5.0	Erosion and Sediment Control Plan - Overall	November 4, 2021
C-5.1-5.3	Erosion and Sediment Control Plan 1 through 3	November 4, 2021
C-6.1-6.2	Site Details	November 4, 2021

Reference Drawings

No.	Drawing Title	Latest Issue
19-119	Plan of Land in East Windsor, CT	March 15, 2021
20-265	Plan of Land in East Windsor, CT	March 12, 2021
20-266	Plan of Land in East Windsor, CT	March 15, 2021



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Key
Not To Scale



0 60 120 240 Feet

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Mulnite Farms
East Windsor, Connecticut

No.	Revision	Date	App'd
1	CSC Comments	11/4/2021	SJK

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Checked by: SJK
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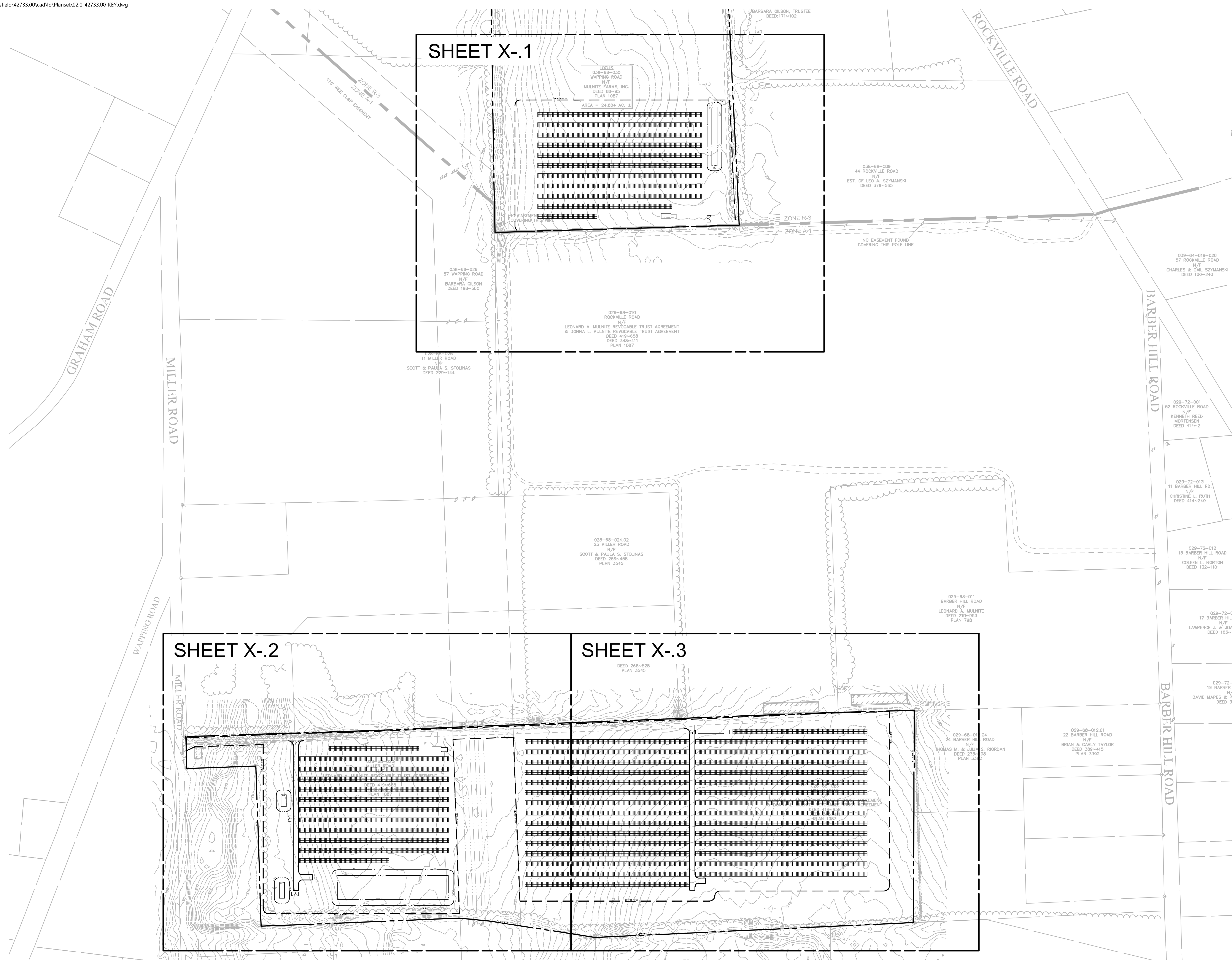
Key Plan

Drawing Number

C-2.0

Sheet of
2 of 16

Project Number
42733.00



SHEET X-1

SHEET X-2

SHEET X-3

PROJECT INFORMATION

PARCEL SIZE: ±51 ACRES TOTAL
(24.8 ACRES WAPPING ROAD PARCEL; 26.2 ACRES MILLER ROAD PARCEL)

ZONE DESIGNATION: A-1 Agricultural/Residential & R-3 RESIDENTIAL

LIMITS OF WORK: ±25 ACRES TOTAL
(±5 ACRES WAPPING ROAD PARCEL; ±20 ACRES MILLER ROAD PARCEL)

AREA OF PROPOSED TREE CLEARING: 0 ACRES

PROPOSED NUMBER OF PANELS: ±13,416 TOTAL
(±2,688 PANELS WAPPING ROAD PARCEL; ±10,728 PANELS MILLER ROAD PARCEL)

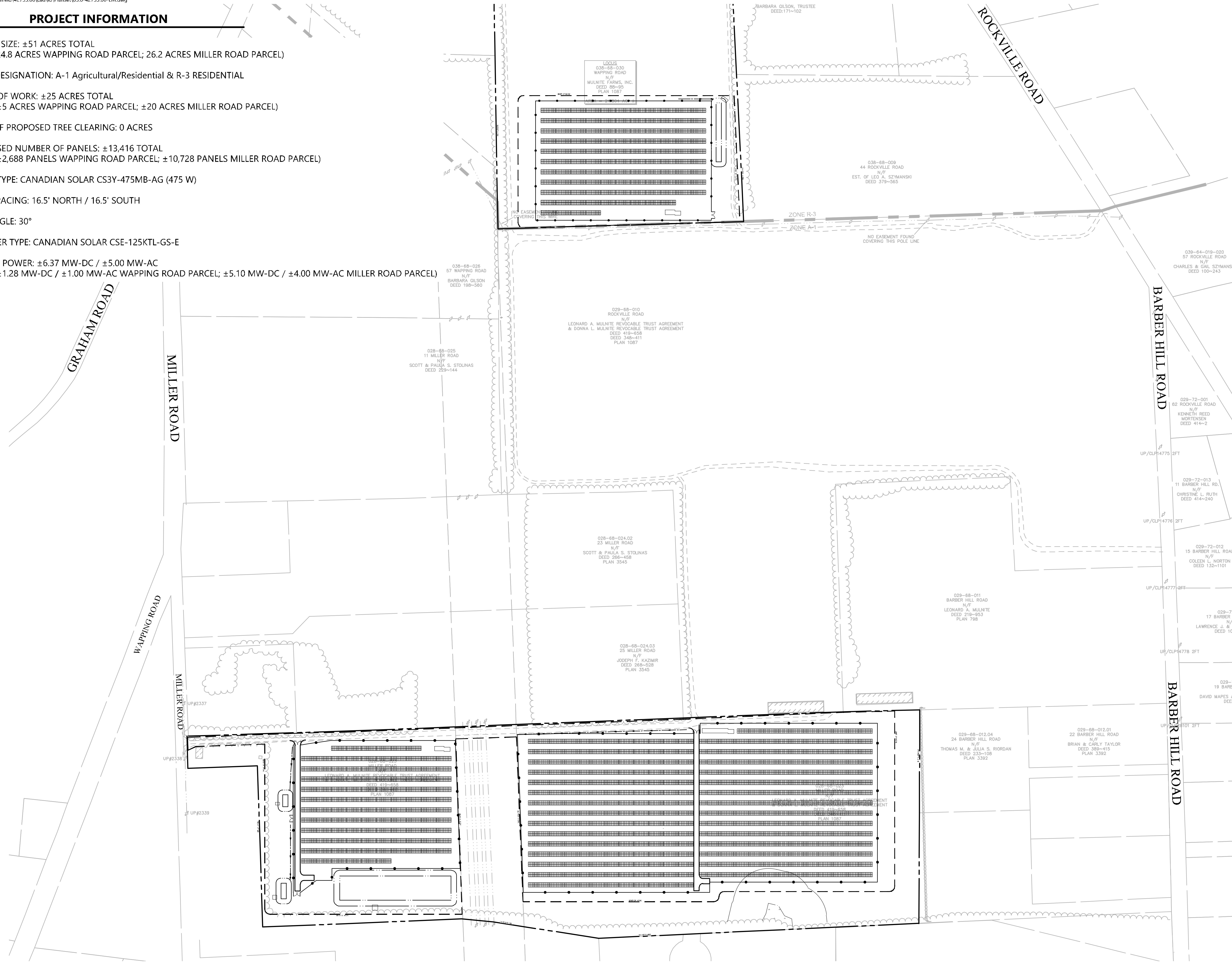
PANEL TYPE: CANADIAN SOLAR CS3Y-475MB-AG (475 W)

ROW SPACING: 16.5' NORTH / 16.5' SOUTH

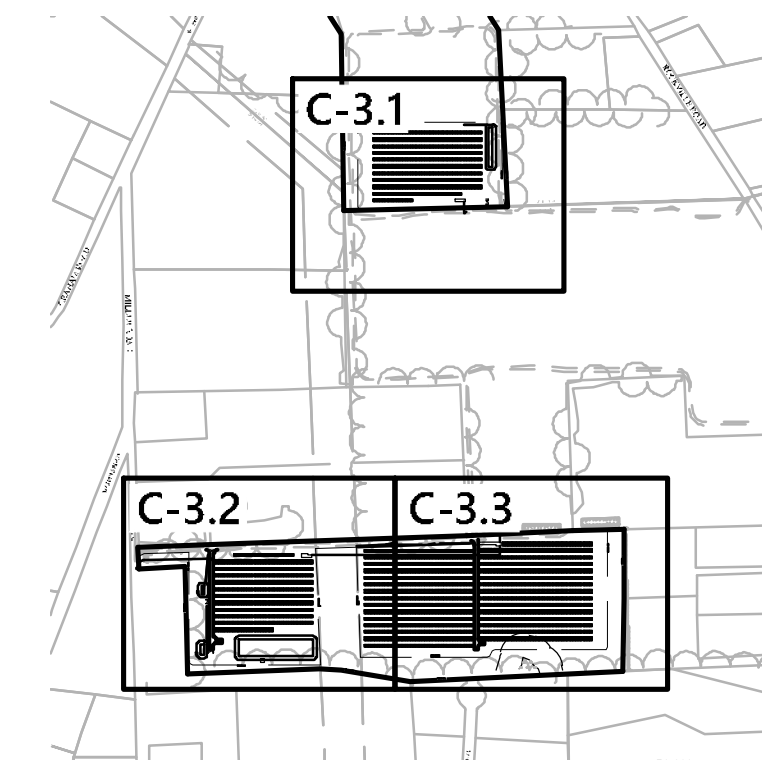
TILT ANGLE: 30°

INVERTER TYPE: CANADIAN SOLAR CSE-125KTL-GS-E

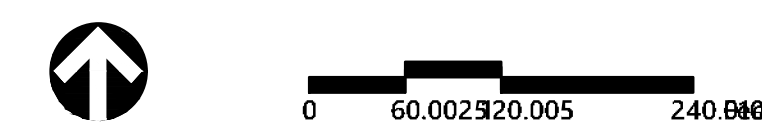
SYSTEM POWER: ±6.37 MW-DC / ±5.00 MW-AC
(±1.28 MW-DC / ±1.00 MW-AC WAPPING ROAD PARCEL; ±5.10 MW-DC / ±4.00 MW-AC MILLER ROAD PARCEL)



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Layout and Materials Plan - Overall

Drawing Number

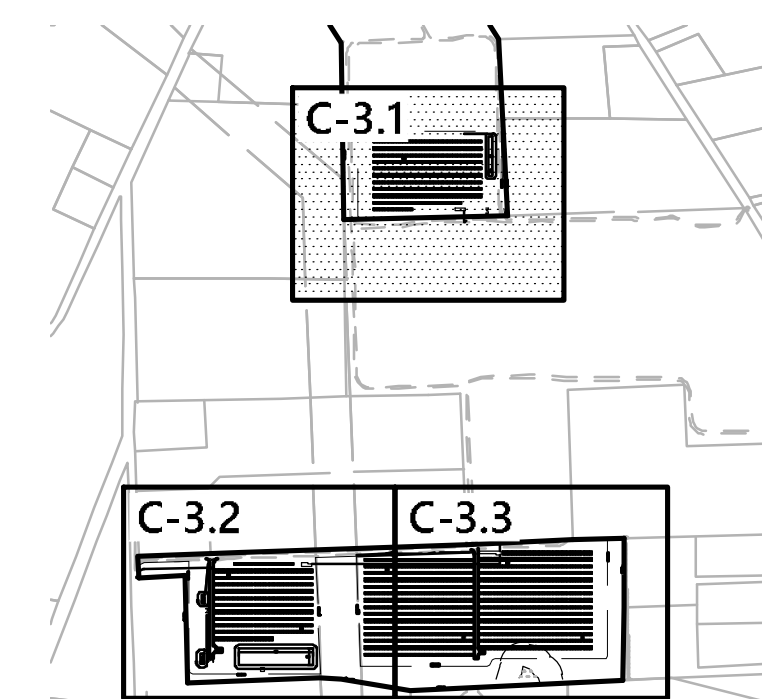
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Sheet 3 of 16

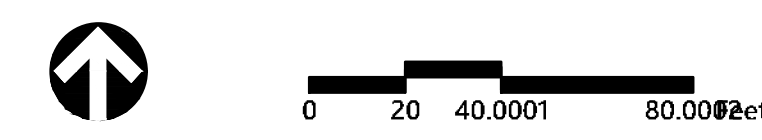
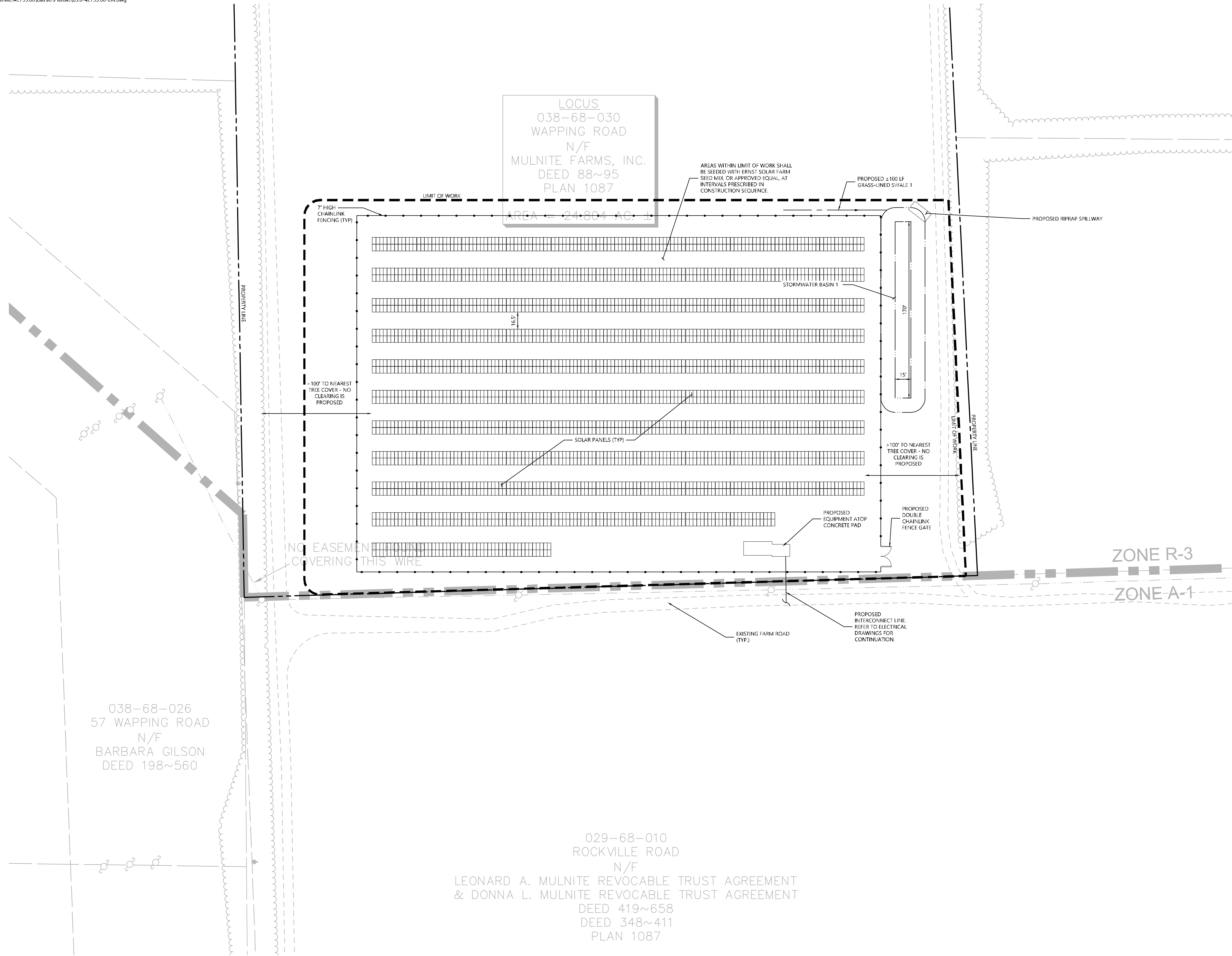
Project Number
42733.00



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Layout and Materials Plan 1

Drawing Number

C-3.1

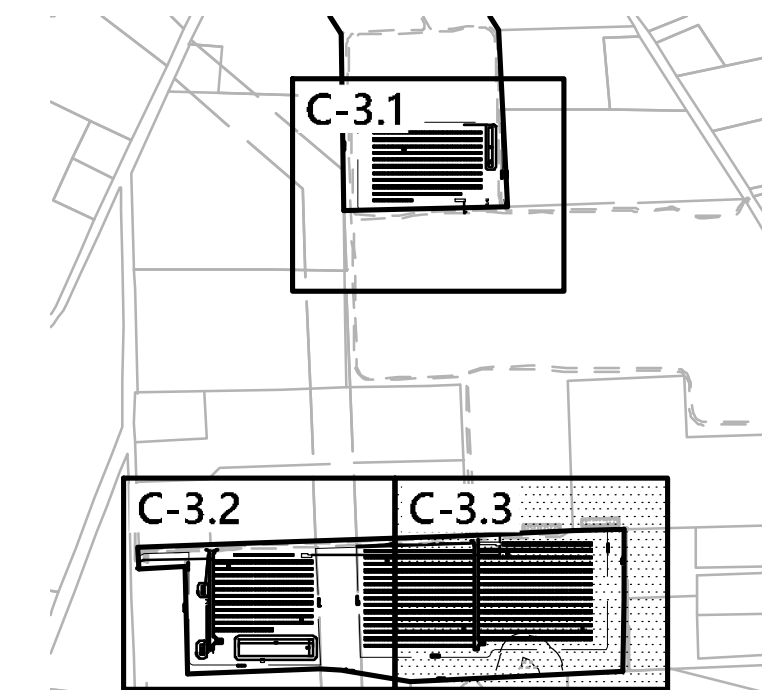
Sheet of
4 16

Project Number
42733.00

028-68-024.03
25 MILLER ROAD
N/F
JOSEPH F. KAZIMIR
DEED 268~528
PLAN 3545

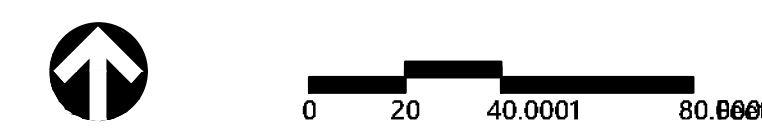
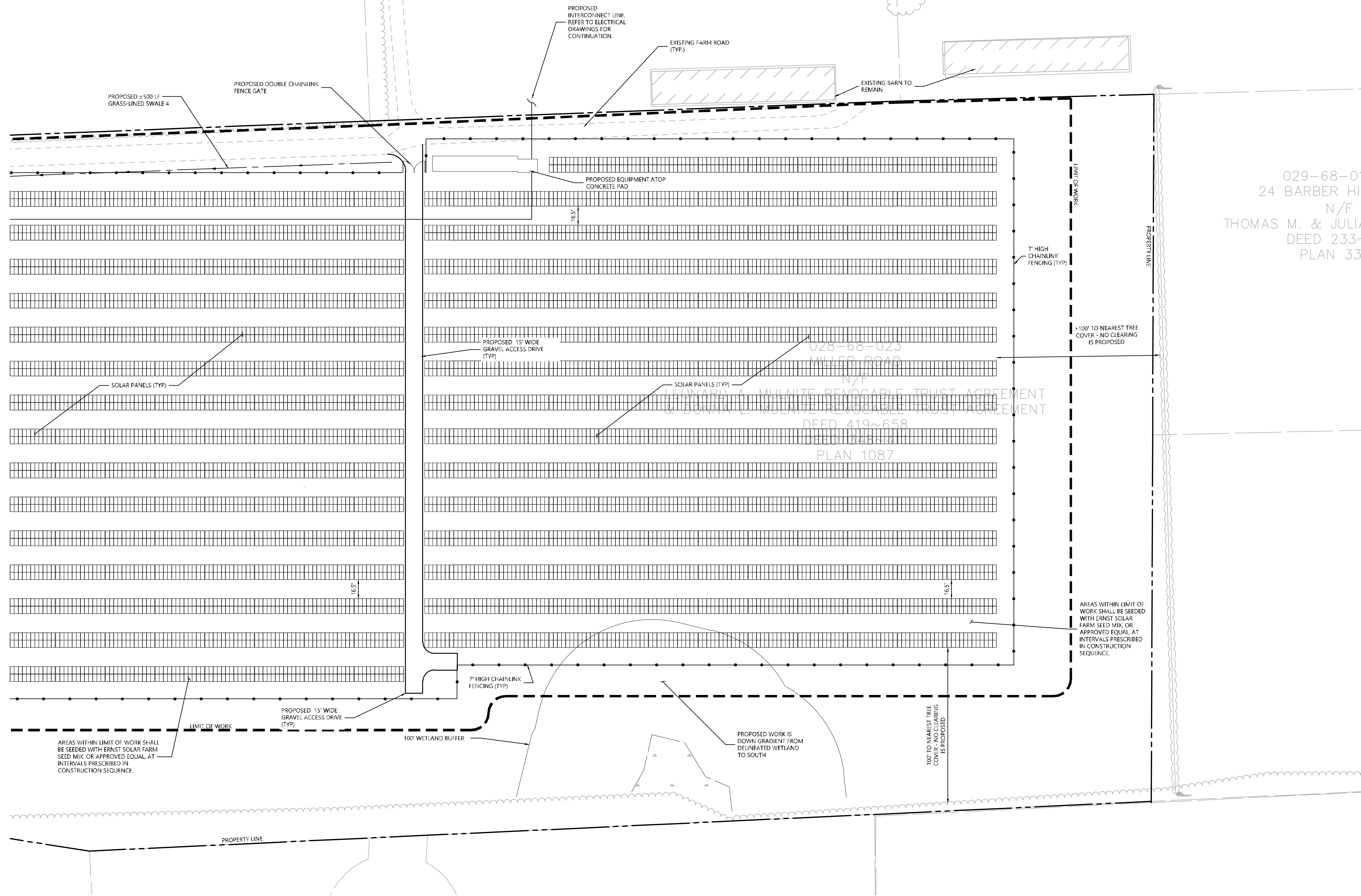


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860.807.4300



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029-68-012
24 BARBER HIL
N/F
THOMAS M. & JULIA
DEED 233~
PLAN 339



Photovoltaic Installation

Mulnite Farms
East Windsor, Connecticut

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Designed by: JDW Checked by: SJK
Issued for: Date:

Application July 23, 2021

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Layout and Materials Plan 3

Drawing Number

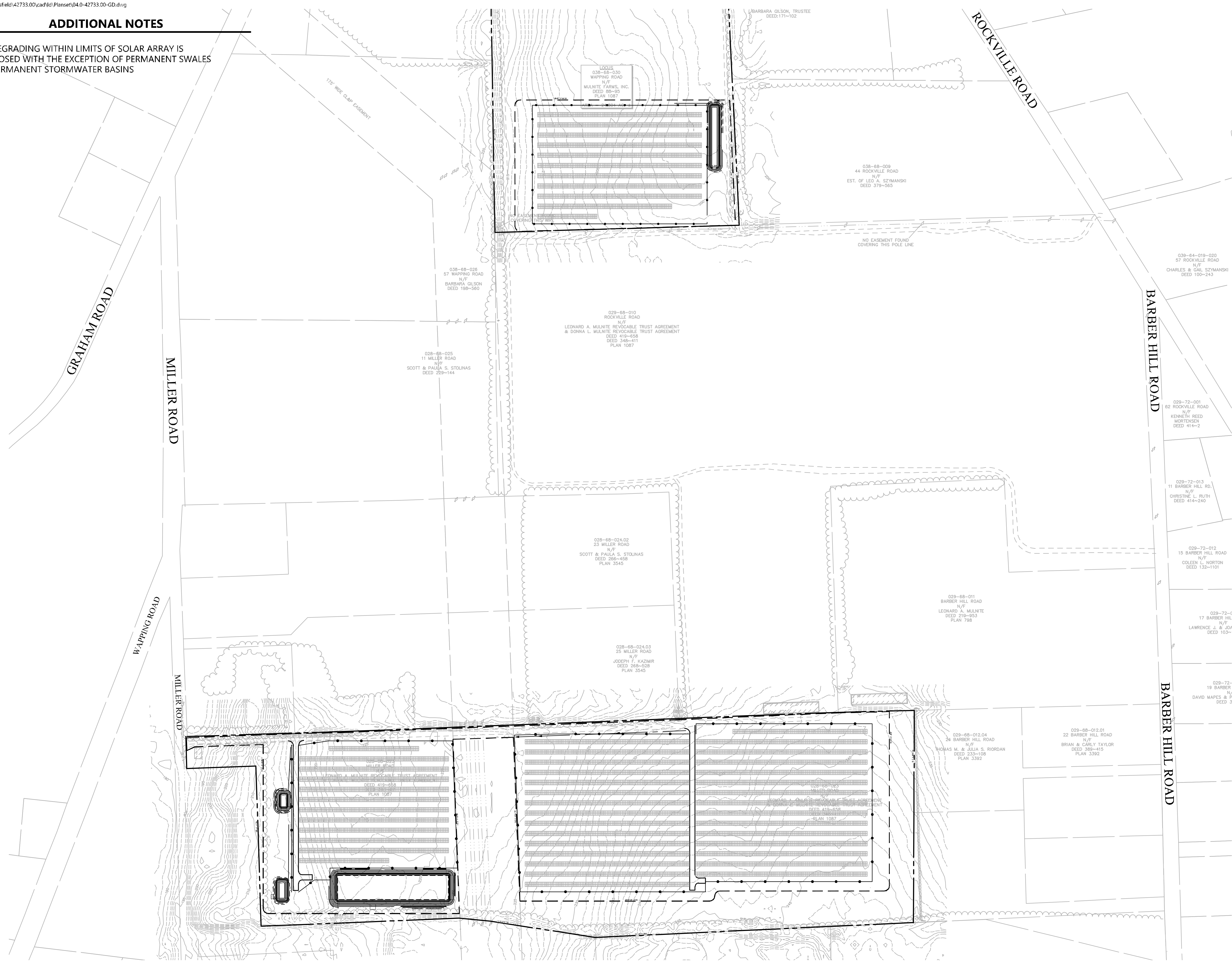
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Sheet 6 of 16

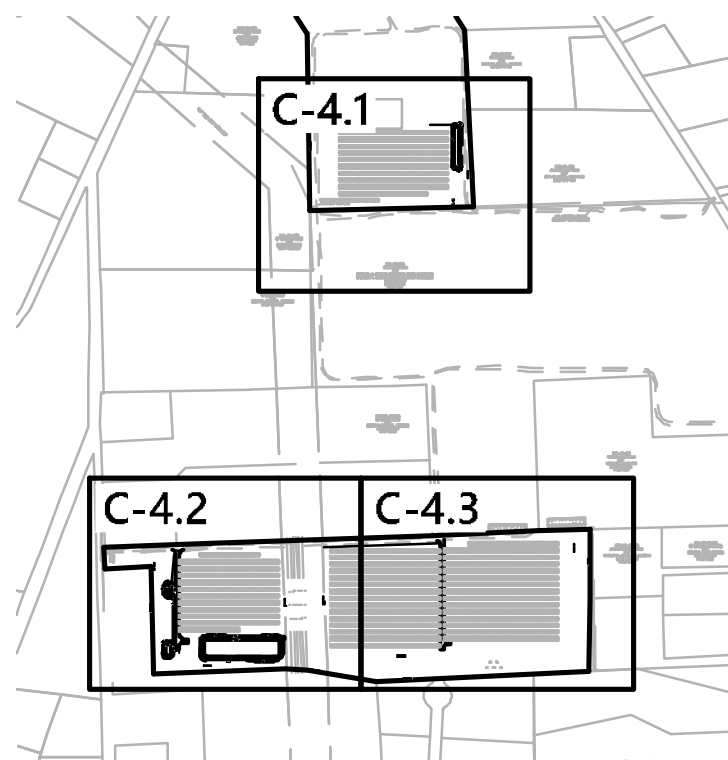
Project Number
42733.00

ADDITIONAL NOTES

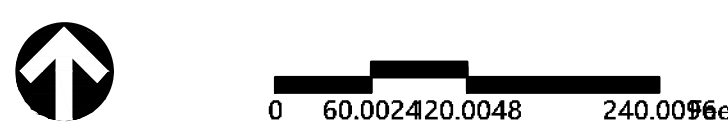
NO REGRADING WITHIN LIMITS OF SOLAR ARRAY IS PROPOSED WITH THE EXCEPTION OF PERMANENT SWALES OR PERMANENT STORMWATER BASINS



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860.807.4300



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**Grading and
Drainage Plan - Overall**

Drawing Number

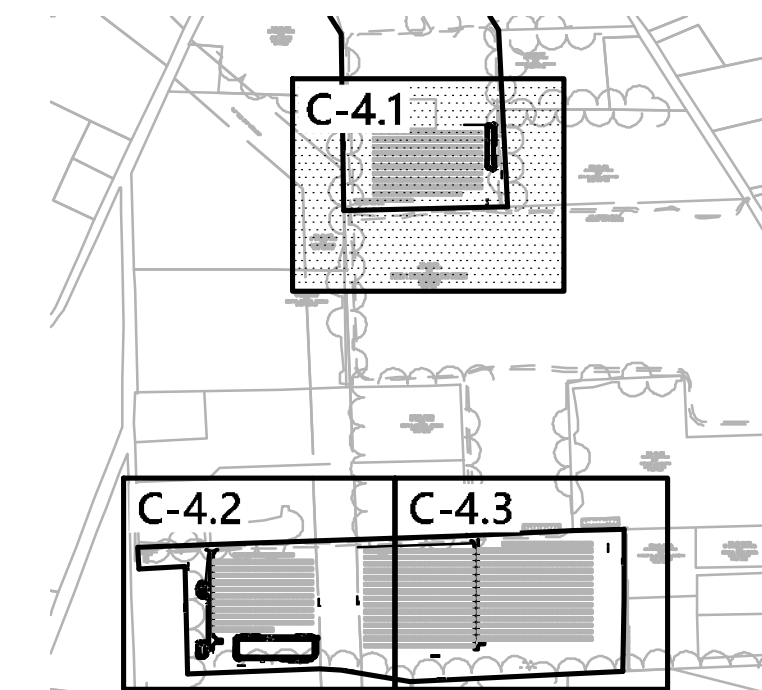
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Sheet 7 of 16

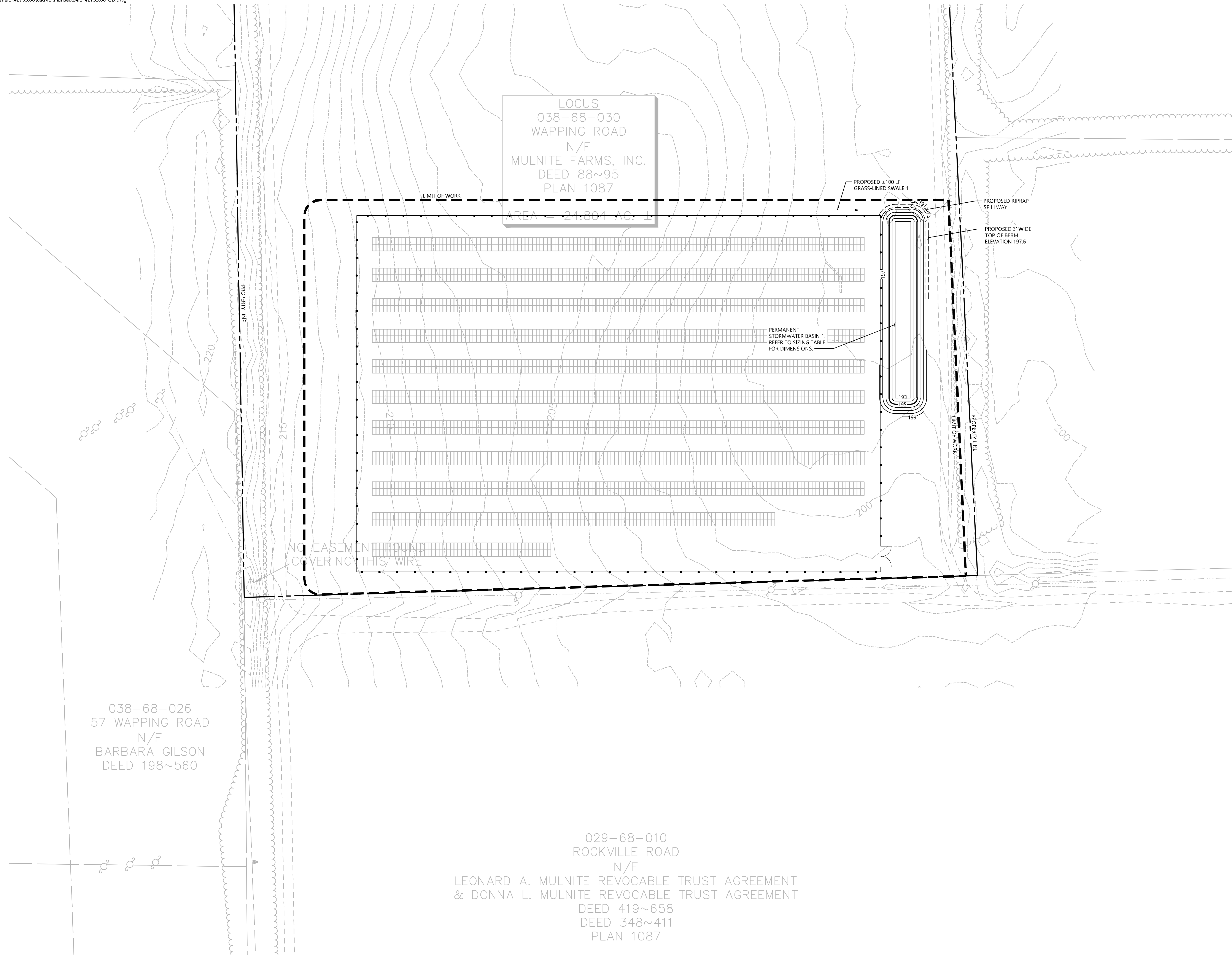
Project Number
42733.00



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Key
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LOCUS
038-68-030
WAPPING ROAD
N/F
MULNITE FARMS, INC.
DEED 88~95
PLAN 1087

AREA = 24.804 AC ±

PERMANENT
STORMWATER BASIN 1.
REFER TO SIZING TABLE
FOR DIMENSIONS.

PROPOSED ±100 LF
GRASS-LINED SWALE 1

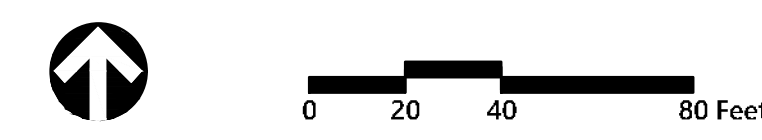
PROPOSED RIPRAP
SPILLWAY

PROPOSED 3' WIDE
TOP OF BERM
ELEVATION 197.6

NO EASEMENT FOUND
COVERING THIS WIRE

038-68-026
57 WAPPING ROAD
N/F
BARBARA GILSON
DEED 198~560

029-68-010
ROCKVILLE ROAD
N/F
LEONARD A. MULNITE REVOCABLE TRUST AGREEMENT
& DONNA L. MULNITE REVOCABLE TRUST AGREEMENT
DEED 419~658
DEED 348~411
PLAN 1087



Photovoltaic Installation
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East Windsor, Connecticut

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**Grading and
Drainage Plan 1**

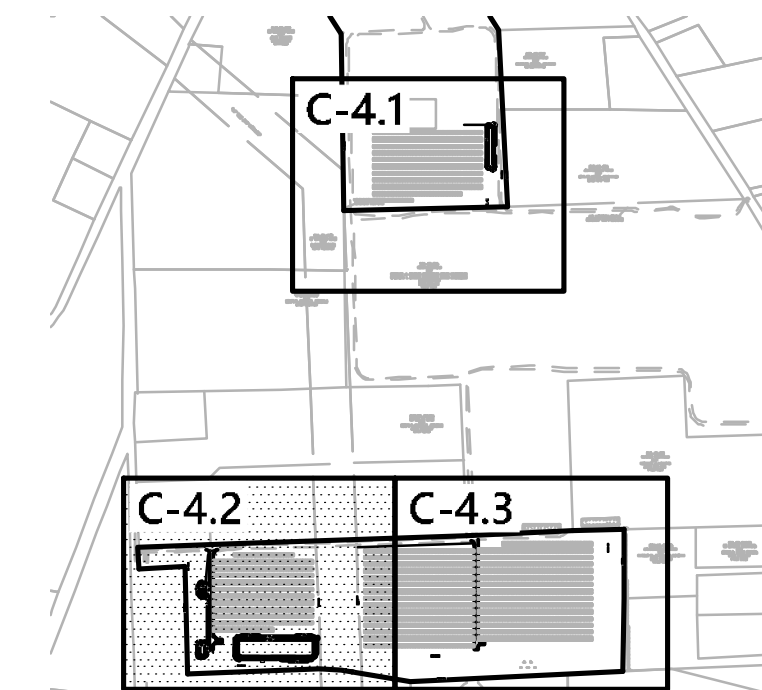
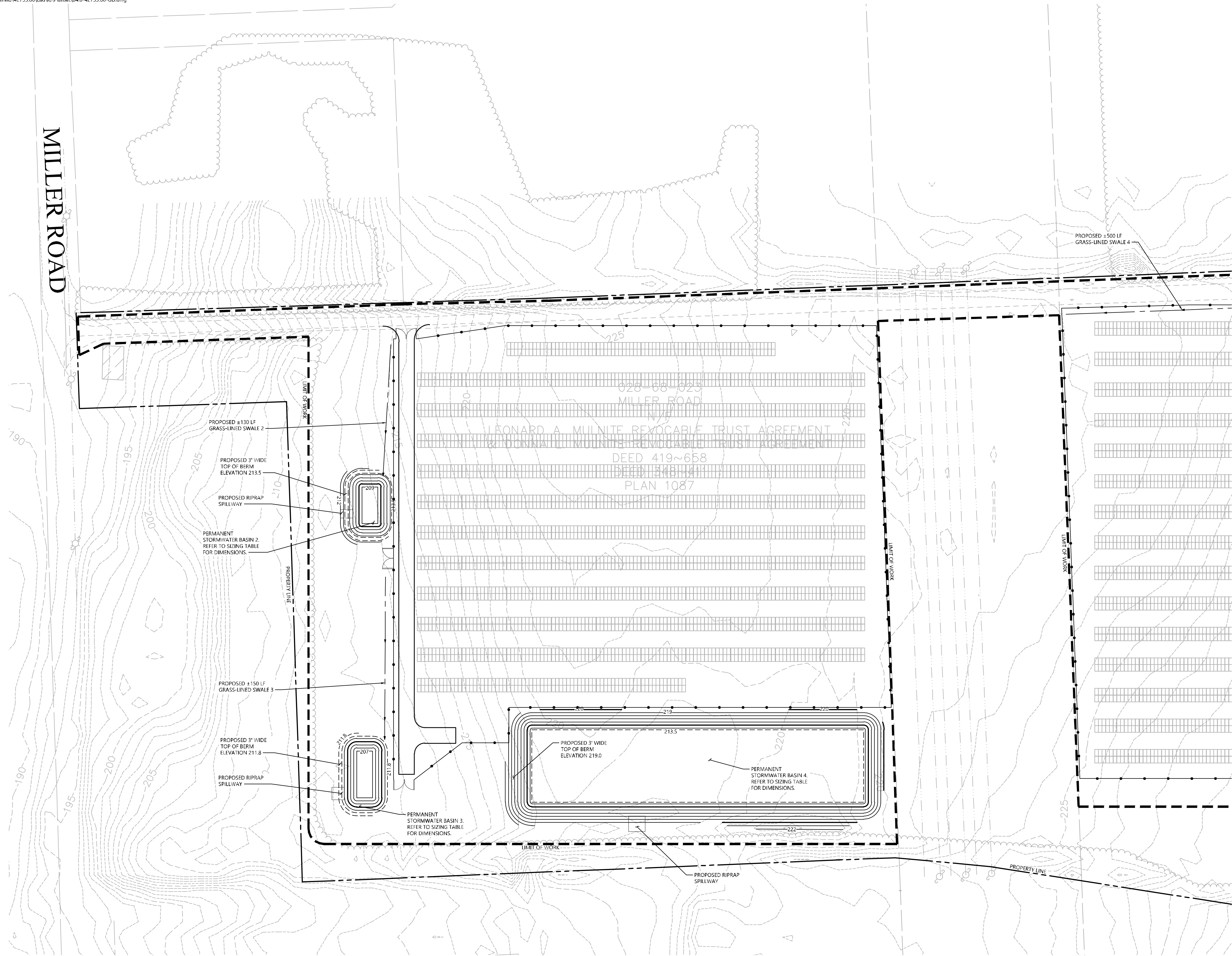
Drawing Number

C-4.1

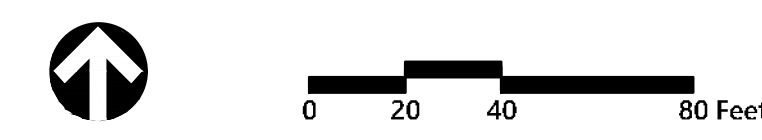
Sheet 8 of 16

Project Number
42733.00

MILLER ROAD



Key
Not To Scale



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Mulnite Farms
East Windsor, Connecticut

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Designed by JDW Checked by SJK

Issued for Application Date July 23, 2021

Not Approved for Construction

Grading and
Drainage Plan 2

Drawing Number

C-4.2

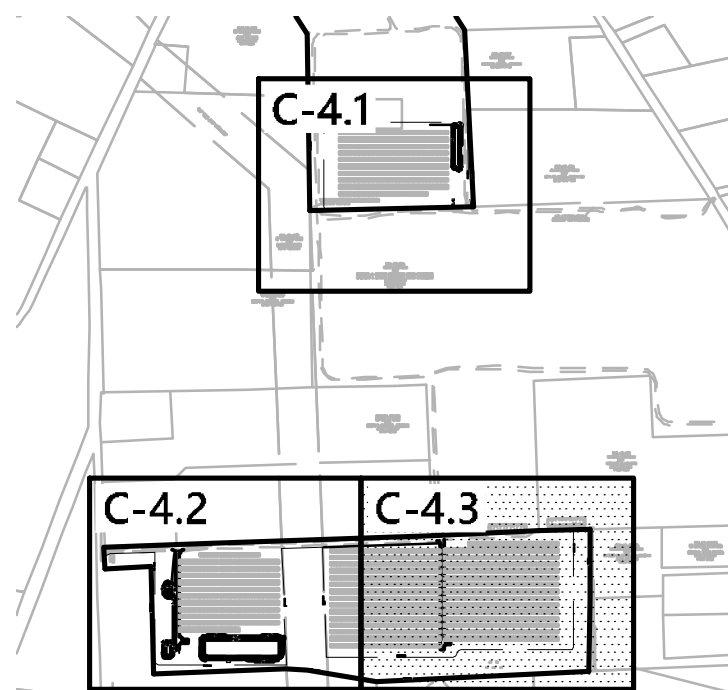
Sheet 9 of 16

Project Number
42733.00

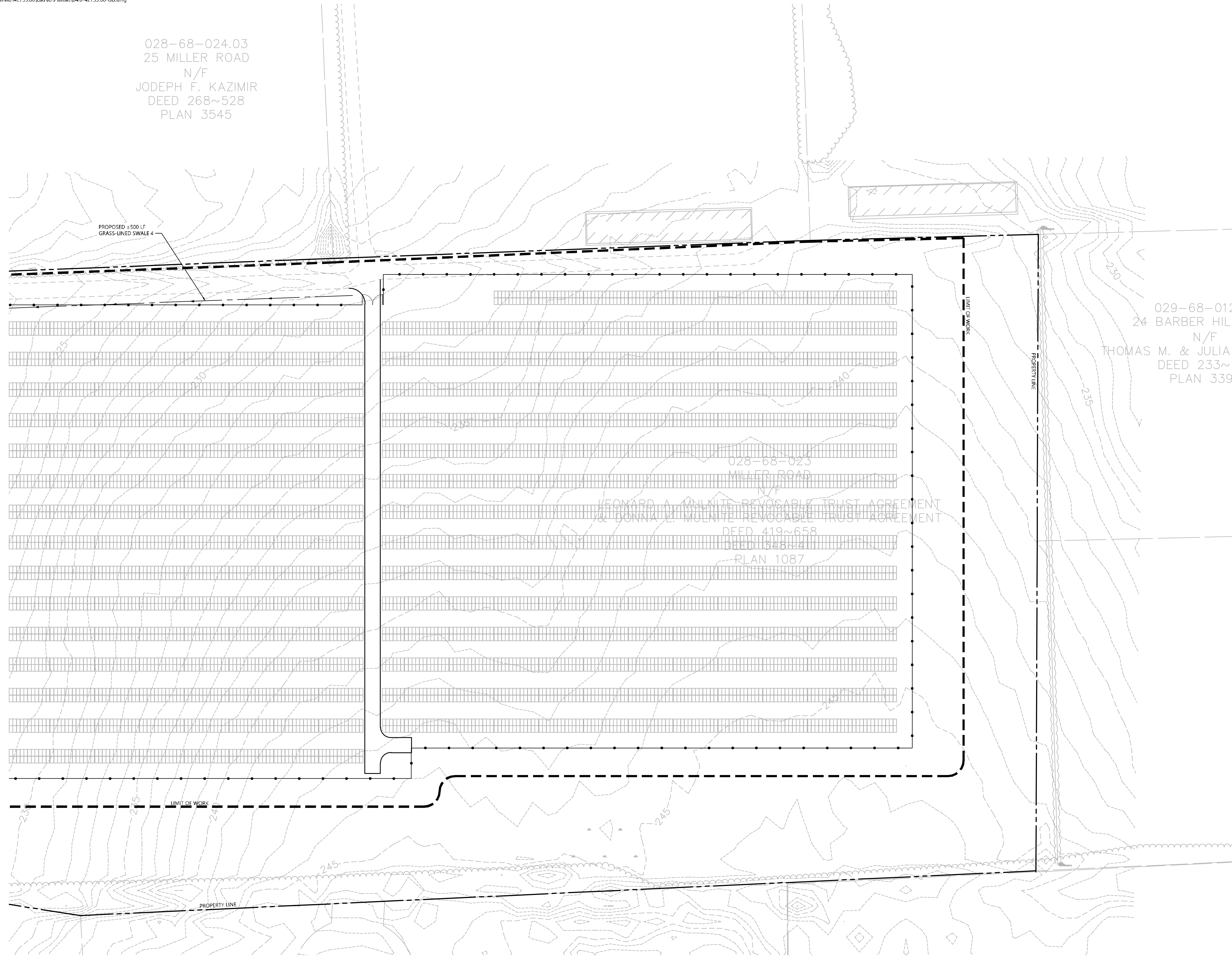
028-68-024.03
25 MILLER ROAD
N/F
JOSEPH F. KAZIMIR
DEED 268~528
PLAN 3545



100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300

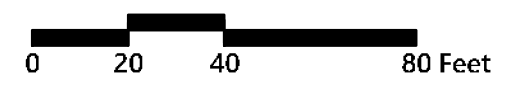
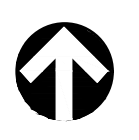


Key
Not To Scale



029-68-012
24 BARBER HIL
N/F
THOMAS M. & JULIA
DEED 233~
PLAN 339

028-68-023
MILLER ROAD
N/F
LEONARD A. MULNITE REVOCABLE TRUST AGREEMENT
& BONNA L. MULNITE REVOCABLE TRUST AGREEMENT
DEED 419~658
DEED 1348~4
PLAN 1087



Photovoltaic Installation

Mulnite Farms
East Windsor, Connecticut

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**Grading and
Drainage Plan 3**

Drawing Number

C-4.3

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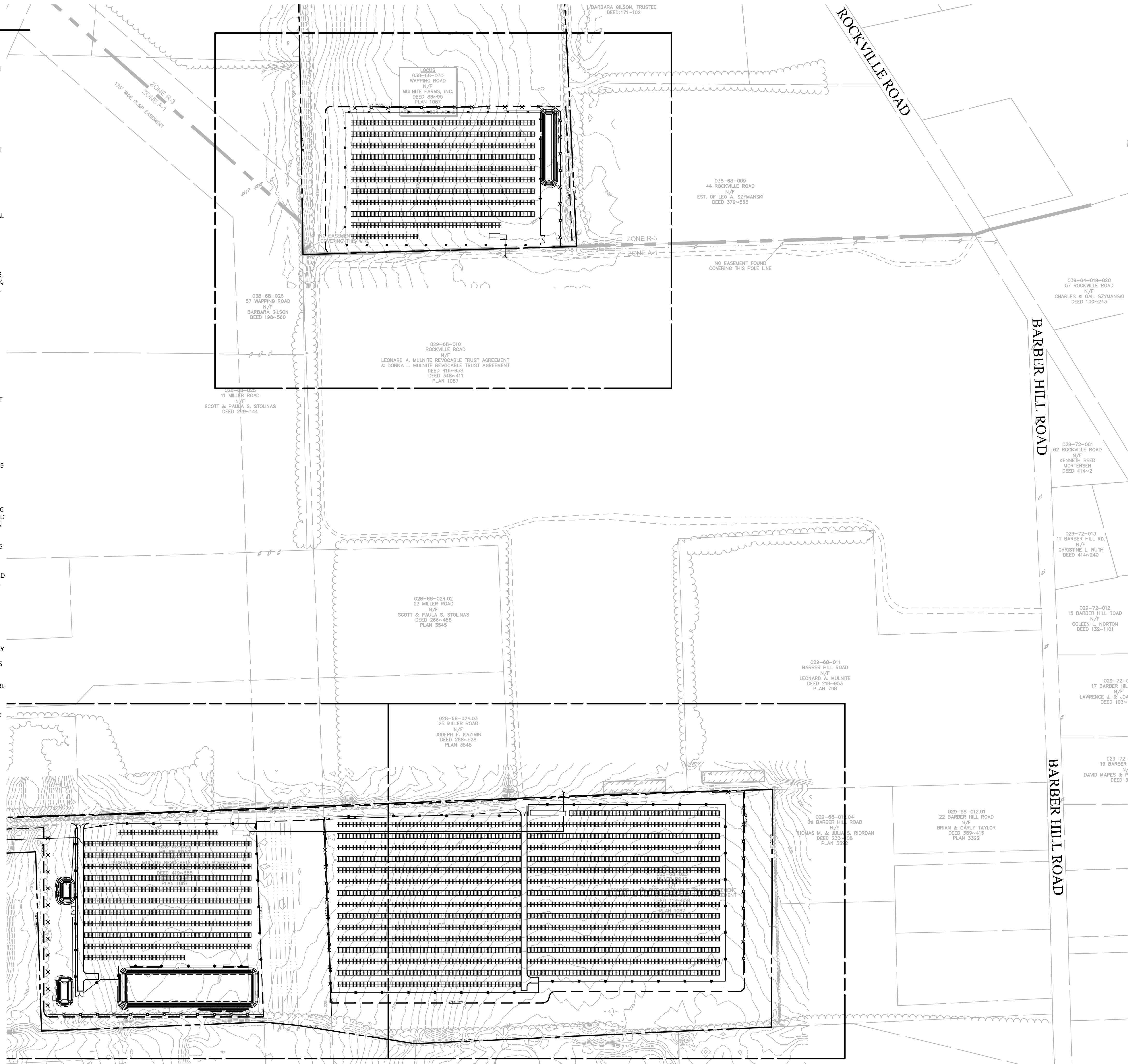
Project Number
42733.00

CONSTRUCTION SEQUENCING

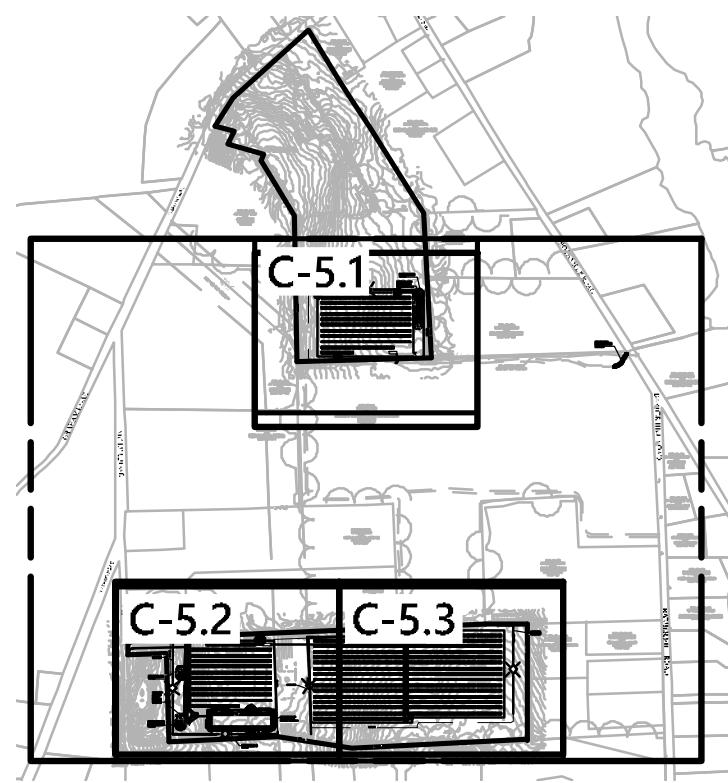
- ALL CONSTRUCTION ACTIVITIES ARE EXPECTED TO BEGIN IN THE SPRING OF 2022 AND BE COMPLETED BY THE END OF 2022. THE GENERAL CONSTRUCTION NOTES ARE AS FOLLOWS:
- THE SITE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT ROADS/HIGHWAYS AND THEIR DRAINAGE SYSTEM, NEIGHBORING PROPERTIES, WETLANDS AND REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT. DESIGNATED ACCESS DRIVES MUST BE USED TO THE MAXIMUM EXTENT POSSIBLE. IT IS REQUIRED THAT THE SITE CONTRACTOR PERFORM A DAILY INSPECTION OF ALL EROSION AND SEDIMENT CONTROL MEASURES EMPLOYED AT THE SITE.
 - A CT DEEP-APPROVED QUALIFIED INSPECTOR SHALL BE ASSIGNED TO BE RESPONSIBLE FOR PERFORMING INSPECTIONS AND PREPARING REPORTS IN ACCORDANCE WITH SECTION 5(B)(4)(B) OF THE CONSTRUCTION GENERAL PERMIT. THESE INSPECTIONS SHALL TAKE PLACE WEEKLY, AT A MINIMUM, AND SHALL BE REQUIRED WITHIN 24 HOURS OF A RAINFALL EVENT EXCEEDING 0.5 INCHES. THE ENGINEER OF RECORD SHALL BE REQUIRED TO REVIEW AND COUNTER-SIGN THE PREPARED WEEKLY REPORTS. IT IS ALSO ANTICIPATED THAT REPRESENTATIVES FROM CTDEEP AND/OR THE STATE CONSERVATION DISTRICT WILL PERFORM PERIODIC INSPECTIONS.
 - ENGINEER OF RECORD WILL PERFORM MONTHLY PLAN IMPLEMENTATION INSPECTIONS AND PREPARE REPORTS OF THE FINDINGS. THESE INSPECTIONS SHALL LAST A MINIMUM OF THREE (3) MONTHS OR UNTIL THE COMPLETION AND STABILIZATION OF ALL EROSION CONTROL MEASURES AT THE SITE.
 - THROUGHOUT THE COURSE OF THE CONSTRUCTION PROJECT, ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE WARRANTED AT THE DISCRETION OF THE QUALIFIED INSPECTOR AND/OR DESIGN ENGINEER. THESE IMPROVEMENTS MUST BE IMPLEMENTED IN A TIMELY FASHION IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONSTRUCTION GENERAL PERMIT. ADDITIONALLY, AREAS OF PROPOSED COMPACTED NATIVE SOIL ROADS SHALL BE CONVERTED TO STABLE GRAVEL ROADS IF/AS DETERMINED BY THE QUALIFIED INSPECTOR OR ENGINEER OF RECORD.
 - PRIOR TO CONSTRUCTION, THE APPLICANT SHALL PROVIDE THE TOWN OF EAST WINDSOR WITH THE NAME OF CONTACT AND 24-HOUR CONTACT INFORMATION.
 - CONTRACTOR SHALL ADHERE TO 2002 CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL, AS AMENDED.
 - THE CONTRACTOR SHALL HOLD PRE-CONSTRUCTION MEETINGS(S). ATTENDEES SHALL INCLUDE, BUT NOT BE LIMITED TO, REPRESENTATIVES OF THE GENERAL CONTRACTOR, SITE CONTRACTOR, CTDEEP, TOWN OF EAST WINDSOR, ENGINEER OF RECORD, AND QUALIFIED SWPPP INSPECTOR.
 - THE CONTRACTOR SHALL CONTACT CALL-BEFORE-YOU-DIG (1-800-922-4455) PRIOR TO ENGAGING IN ANY EXCAVATION ACTIVITIES AT THE SITE.
 - THE CONTRACTOR SHALL NOTIFY THE TOWN OF EAST WINDSOR AGENT, ZONING ENFORCEMENT OFFICER, AND ENGINEERING DEPARTMENT, 48 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.
 - NO CONSTRUCTION OF SITE IMPROVEMENTS MAY BEGIN UNTIL THE PROPER EROSION CONTROL MEASURES SERVING THE AREA TO BE DISTURBED ARE IN PLACE.
 - ANTICIPATED WORK HOURS WILL BE BETWEEN 6:30 AM AND 5:00 PM.

- PRE-CONSTRUCTION SITE PROTECTION SEQUENCE (SPRING/SUMMER 2022)**
- ACCESS ROADS SHALL BE DESIGNATED AS EARLY AS FEASIBLE AND USED PRIMARILY FOR CONSTRUCTION TRAFFIC.
 - INSTALL EROSION AND SEDIMENT CONTROLS FOLLOWING THE CT GUIDELINES AND MANUFACTURER'S DIRECTIONS. DURING CONSTRUCTION, THE CONTRACTOR SHALL INSTALL MEASURES AS REQUIRED BY THE ENGINEER OF RECORD OR QUALIFIED INSPECTOR, TO PREVENT SEDIMENT-LADEN RUNOFF FROM REACHING WETLANDS OR DISCHARGING OFFSITE.
 - INSTALL STORMWATER BASINS AND SEDIMENT TRAPS IN ACCORDANCE WITH THE APPROVED SITE-SPECIFIC SWPP AND CT GUIDELINES. THE ENGINEER OF RECORD SHALL INSPECT FEATURES TO CONFIRM REQUIRED STORAGE CAPACITIES ARE PROVIDED AND THAT OUTLETS AND/OR SPILLWAYS ARE CONSTRUCTED CORRECTLY. DISCHARGE AREAS BELOW OUTFALLS MUST BE INSPECTED TO CONFIRM FLOW WILL BE OVER STABLE GROUND AND SHEET FLOW IS ENCOURAGED. IF DISTURBED SOILS ARE PRESENT, THE ENGINEER OF RECORD TO PROVIDE CORRECT MEASURES TO ADDRESS CONDITION.
 - SEED AND PROTECT DISTURBED SOILS AROUND SEDIMENT TRAPS AND BASINS WITHIN 14 DAYS OF COMPLETION. SECURE SEED WITH A THERMALLY-TREATED BONDED FIBER MATRIX (BFM) APPLIED FOLLOWING MANUFACTURER'S SPECIFICATIONS FOR USE AT SPECIFIED APPLICATION RATES. AN ANIONIC POLYACRYLAMIDE PRODUCT MAY BE INCLUDED WITH THE TACKIFIER TO PROMOTE SOIL STABILITY. ALL OTHER AMENDMENTS SHOULD BE PRESCRIBED BASED ON THE RESULT OF SOIL TESTS.
 - PERFORM MASS EARTHWORK ON THE SITE. MASS EARTHWORK SHALL ONLY MEAN REGRADING TO MEET THE PROPOSED GRADING DEPICTED ON THE PLANS. TOPSOIL SHALL BE STRIPPED AND STOCKPILED FROM AREAS PROPOSED FOR REGRADING. EXCESS SOIL WHICH IS NOT REUSED IN PROPOSED SITE GRADING AS DEPICTED ON PLANS SHALL BE HANDLED PER THE OWNER.
 - TOPSOIL SHALL BE REPLACED TO 3" MINIMUM DEPTH OVER REGRADED AREAS UPON COMPLETION OF MASS EARTHWORK ACTIVITIES AND AREAS WHICH WERE DISTURBED BY MASS EARTHWORK OPERATIONS SHALL BE RESEED WITHIN 14 DAYS OF COMPLETION.
 - THROUGHOUT CONSTRUCTION, THE CONTRACTOR SHALL ADDRESS ONGOING EROSION PROBLEMS USING TEMPORARY DIVERSIONS AND FILLING AND GRADING GULLIES. TRACK GULLIES UP AND DOWN SLOPE AND HYDROSEED WITH A THERMALLY-TREATED WOOD BONDED FIBER MATRIX (BFM) MULCH WITH TACKIFIER. A STAPLED BIODEGRADABLE EROSION CONTROL BLANKET WITHOUT MONOFLAMENT MESH IS AN ACCEPTABLE ALTERNATIVE FOR HYDROSEED AND BFM.
 - UPON COMPLETION OF THIS CONSTRUCTION PHASE, ALL DISTURBED AREAS SHALL BE SEEDED WITH TACKIFIER AND CONSTRUCTION SEQUENCE MAY ONLY BEGIN IN AREAS DISPLAYING ADEQUATE VEGETATION WITHIN PROPOSED ARRAY AREA.

- CONSTRUCTION SEQUENCE**
- INSTALL PILES AND/OR GROUND SCREWS FOR SOLAR PANEL RACKING.
 - THE INSTALLATION OF RACKING SHALL FOLLOW THE FOUNDATION INSTALLATION BY ROUGHLY ONE WEEK STARTING FROM THE SAME POINT.
 - RESEED AND REGRADE ALL AREAS DISTURBED BY CONSTRUCTION TRAFFIC WITHIN THE ARRAYS WHERE RACKS ARE INSTALLED AS EARLY AS POSSIBLE. RUTS AND RILLS SHALL BE SMOOTHED AND GRADED AS DISCOVERED.
 - INSTALL SOLAR PANEL MODULES IN THE RACKING. MUCH OF THIS WORK IS ANTICIPATED TO BE PERFORMED BY HAND AND LIGHT CONSTRUCTION EQUIPMENT WHICH WILL CAUSE MINIMAL DISTURBANCE COMPARED TO THE USE OF HEAVY EQUIPMENT. DESIGNATED ACCESS ROADS SHALL STILL BE USED TO THE MAXIMUM EXTENTS POSSIBLE.
 - UPON COMPLETION OF CONSTRUCTION, RE-SEED ALL DISTURBED AREAS WITHIN 14 DAYS AND PREVENT VEHICULAR TRAFFICKING OVER THESE AREAS. INSTALL FINAL LANDSCAPING.
 - AFTER SITE IS STABILIZED, AND AFTER INSPECTION BY DESIGN ENGINEER, OR OTHER OWNER'S REPRESENTATIVE, REMOVE TEMPORARY EROSION AND SEDIMENT CONTROLS. ENTIRE SITE SHALL BE CHECKED FOR AND CLEANED OF SEDIMENT AS NEEDED.



vhb
 100 Great Meadow Road
 Suite 200
 Wethersfield, CT 06109
 860.807.4300
 vhb.com



Key
 Not To Scale

0 60 120 240 Feet

Photovoltaic Installation

Mulnite Farms
 East Windsor, Connecticut

No.	Revision	Date	App'd
1	CSC Comments	11/4/2021	SJK

Designed by: **JDW** Checked by: **SJK**

Issued for: **Application** Date: **July 23, 2021**

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Erosion and Sediment Control Plan - Overall

Drawing Number

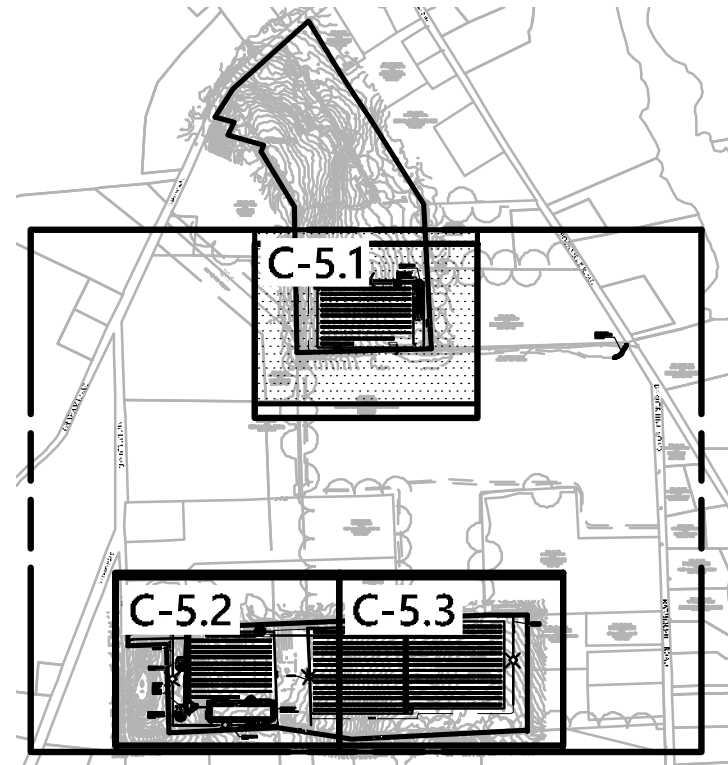
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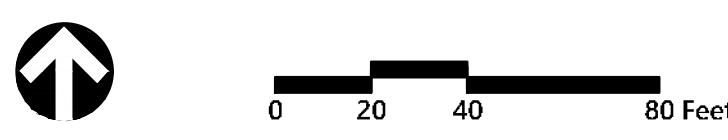
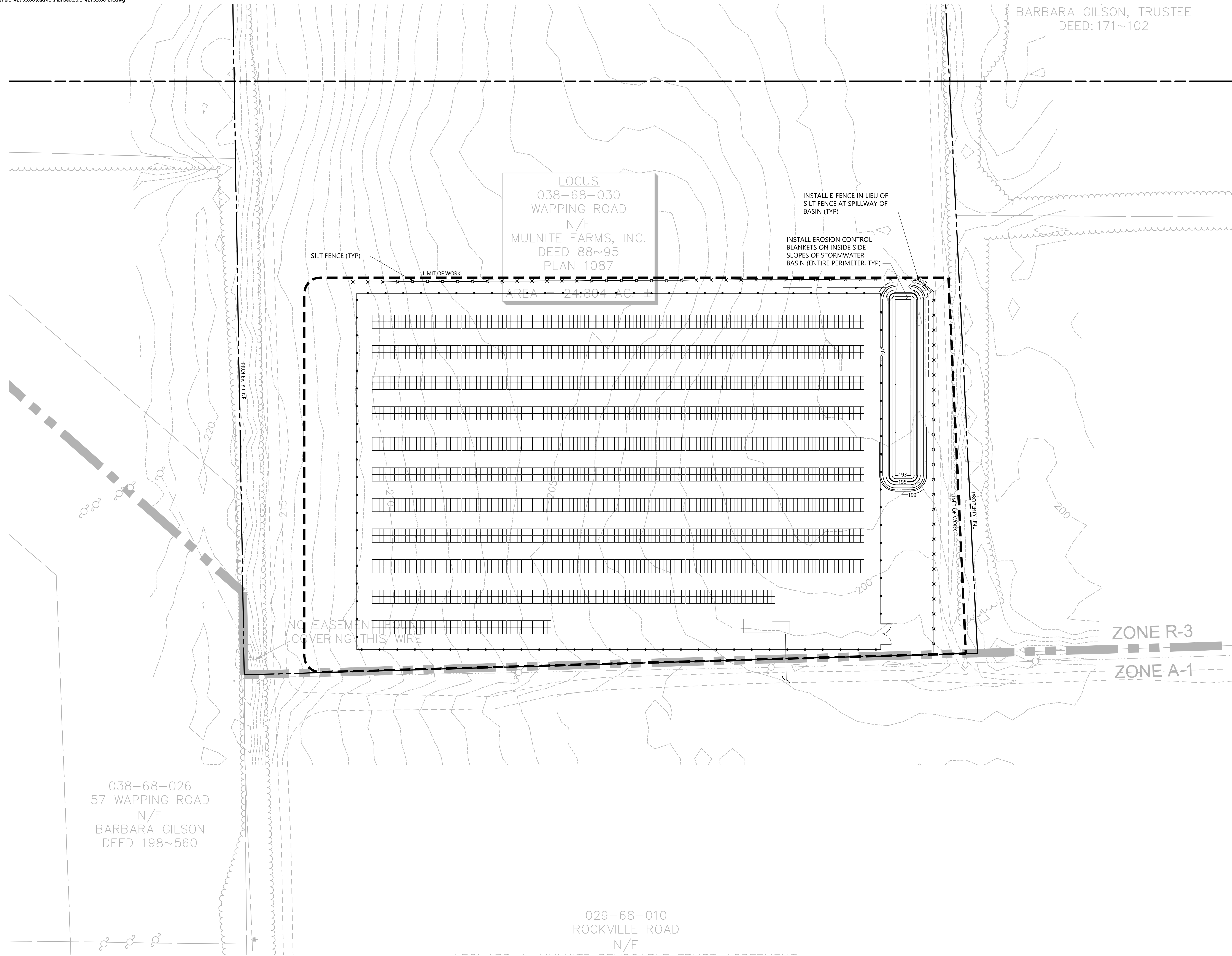
Project Number
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860.807.4300



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Photovoltaic Installation
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Designed by: JDW Checked by: SJK

Issued for: Application Date: July 23, 2021

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**Erosion and Sediment
Control Plan 1**

Drawing Number

C-5.1

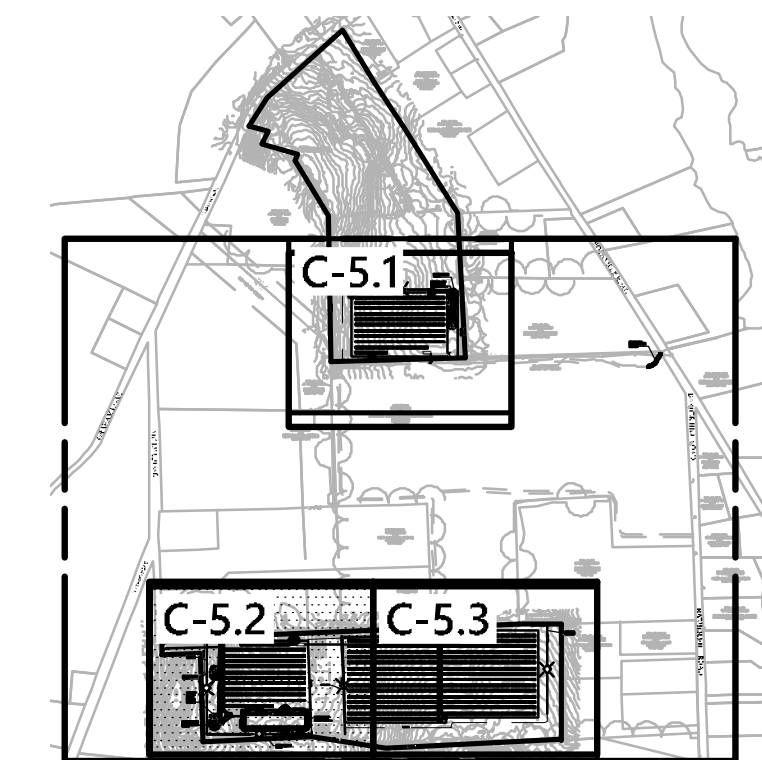
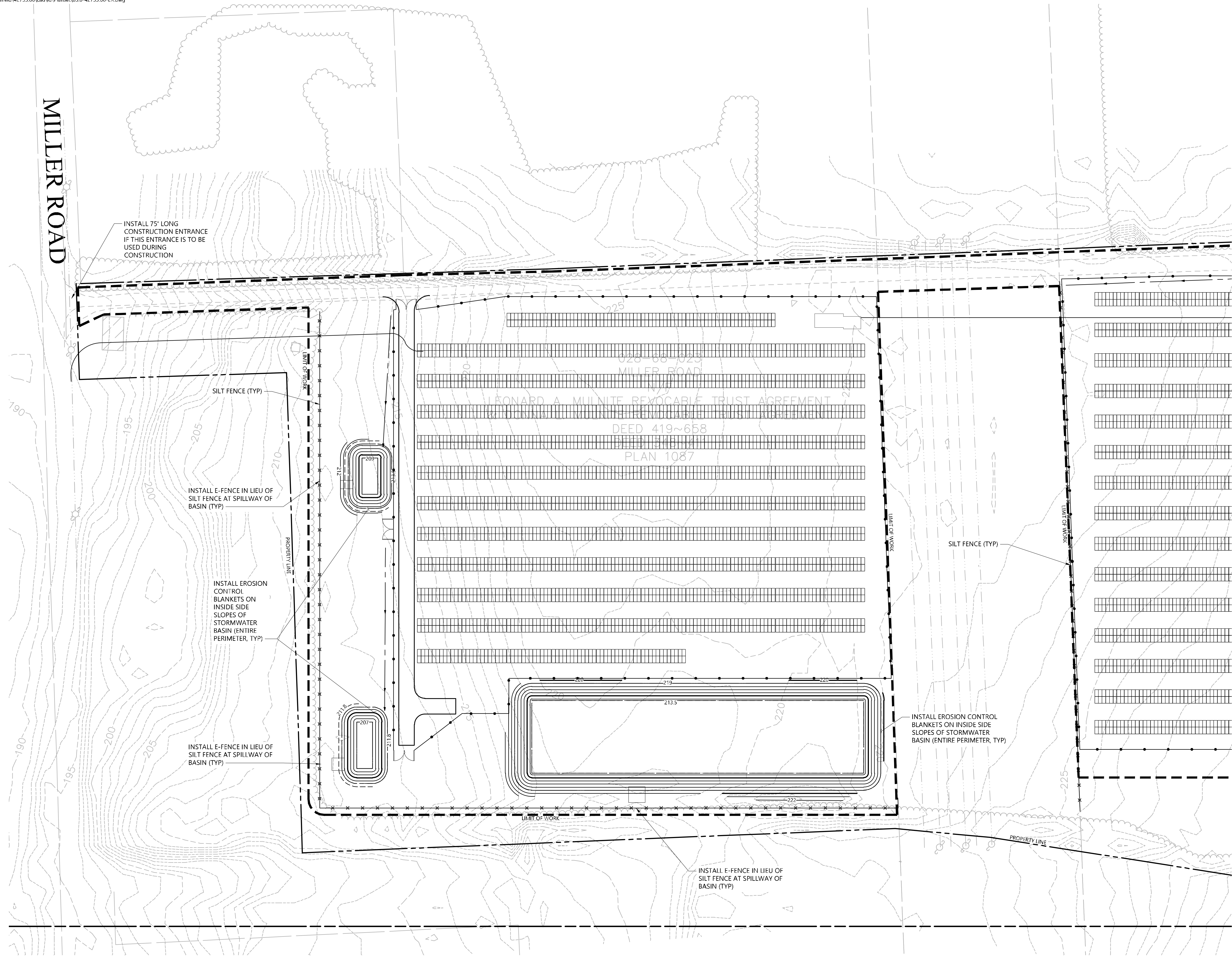
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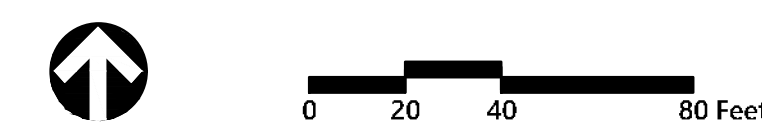
038-68-026
57 WAPPING ROAD
N/F
BARBARA GILSON
DEED 198~560

029-68-010
ROCKVILLE ROAD
N/F

MILLER ROAD



Key
Not To Scale



Photovoltaic Installation
Mulnite Farms
East Windsor, Connecticut

No.	Revision	Date	App'd.
1	CSC Comments	11/4/2021	SJK

Designed by: JDW
Checked by: SJK
Issued for: Application
Date: July 23, 2021

Not Approved for Construction

Erosion and Sediment Control Plan 2

Drawing Number

C-5.2

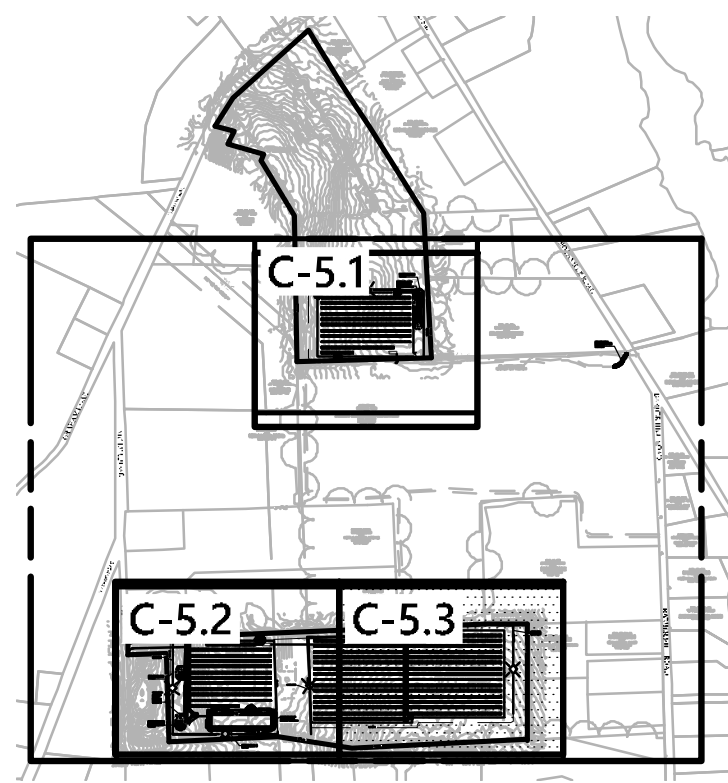
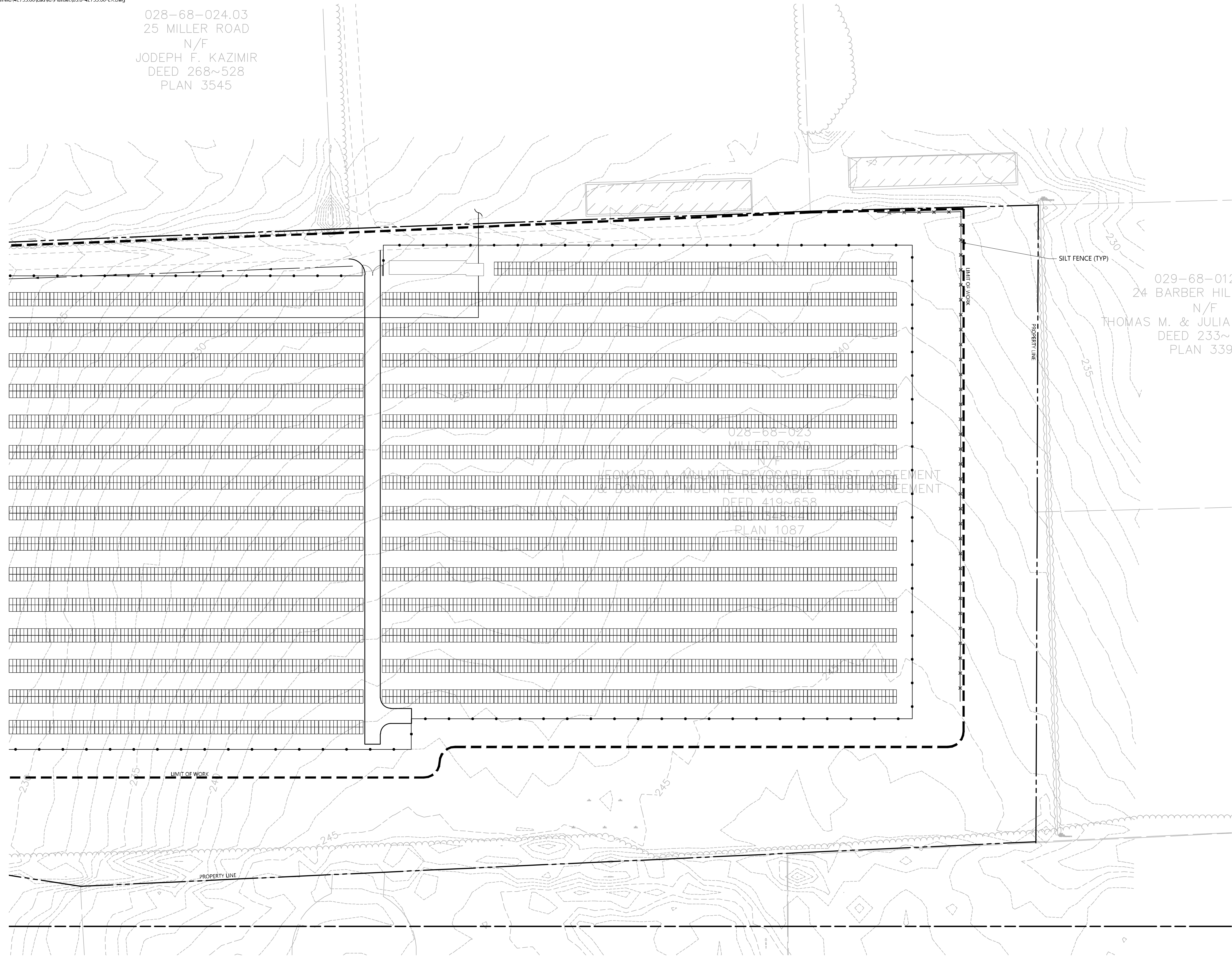
Sheet 13 of 16

Project Number
42733.00

028-68-024.03
25 MILLER ROAD
N/F
JOSEPH F. KAZIMIR
DEED 268~528
PLAN 3545

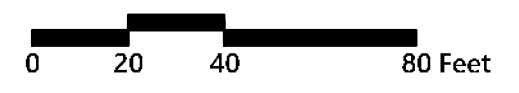
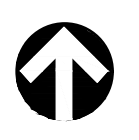


100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300



Key
Not To Scale

029-68-012
24 BARBER HIL
N/F
THOMAS M. & JULIA
DEED 233~
PLAN 339



Photovoltaic Installation

Mulnite Farms
East Windsor, Connecticut

No.	Revision	Date	App'd.
1	CSC Comments	11/4/2021	SJK

Designed by: JDW
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Erosion and Sediment Control Plan 3

Drawing Number

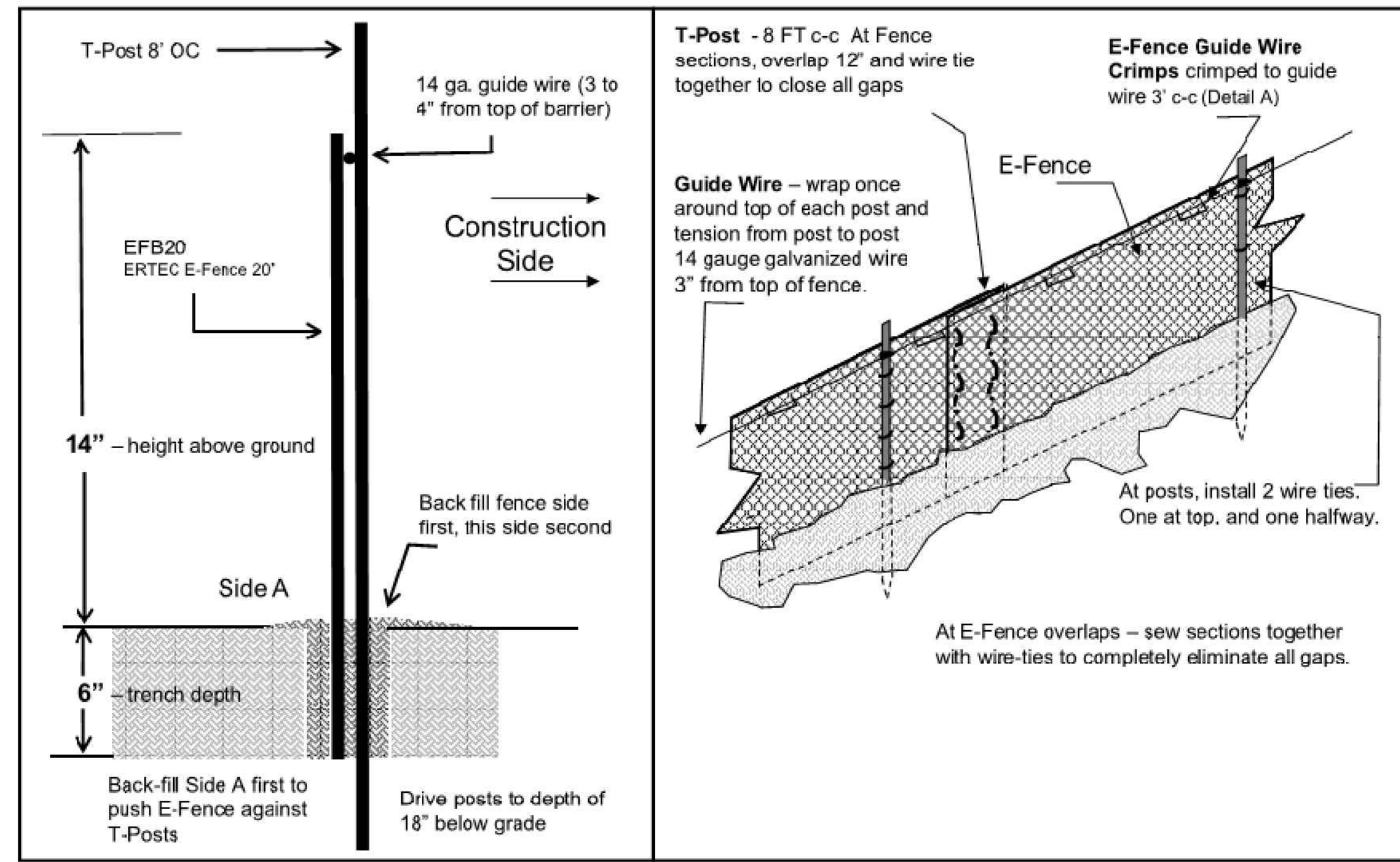
C-5.3

Sheet of
14 of 16

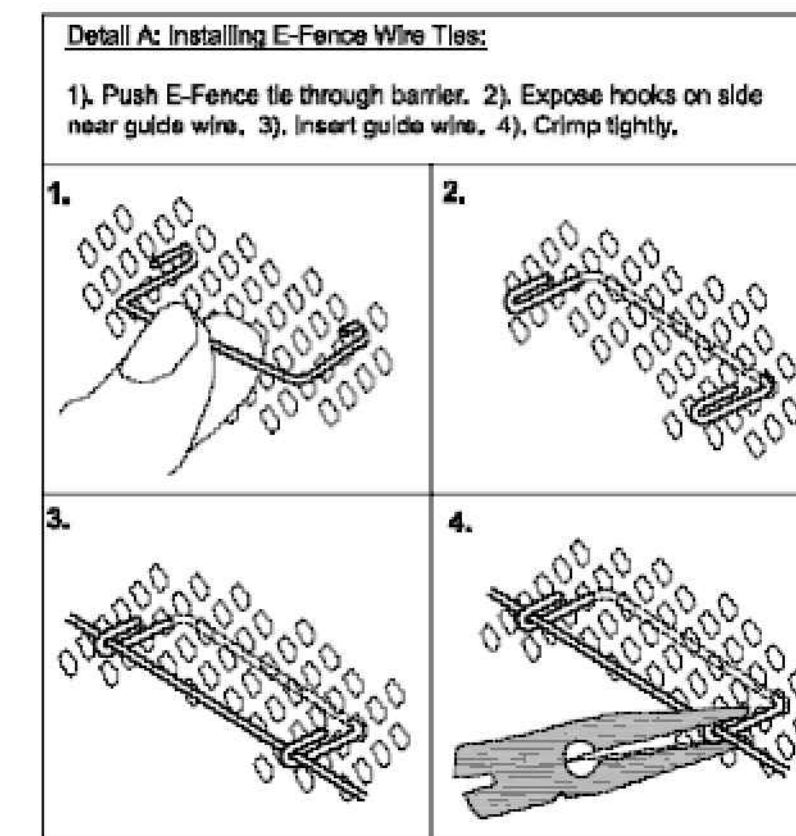
Project Number
42733.00

E-Fence DETAILS – Wildlife Exclusion - WPT

E-Fence™ (Patent #US8402630, other patents pending)

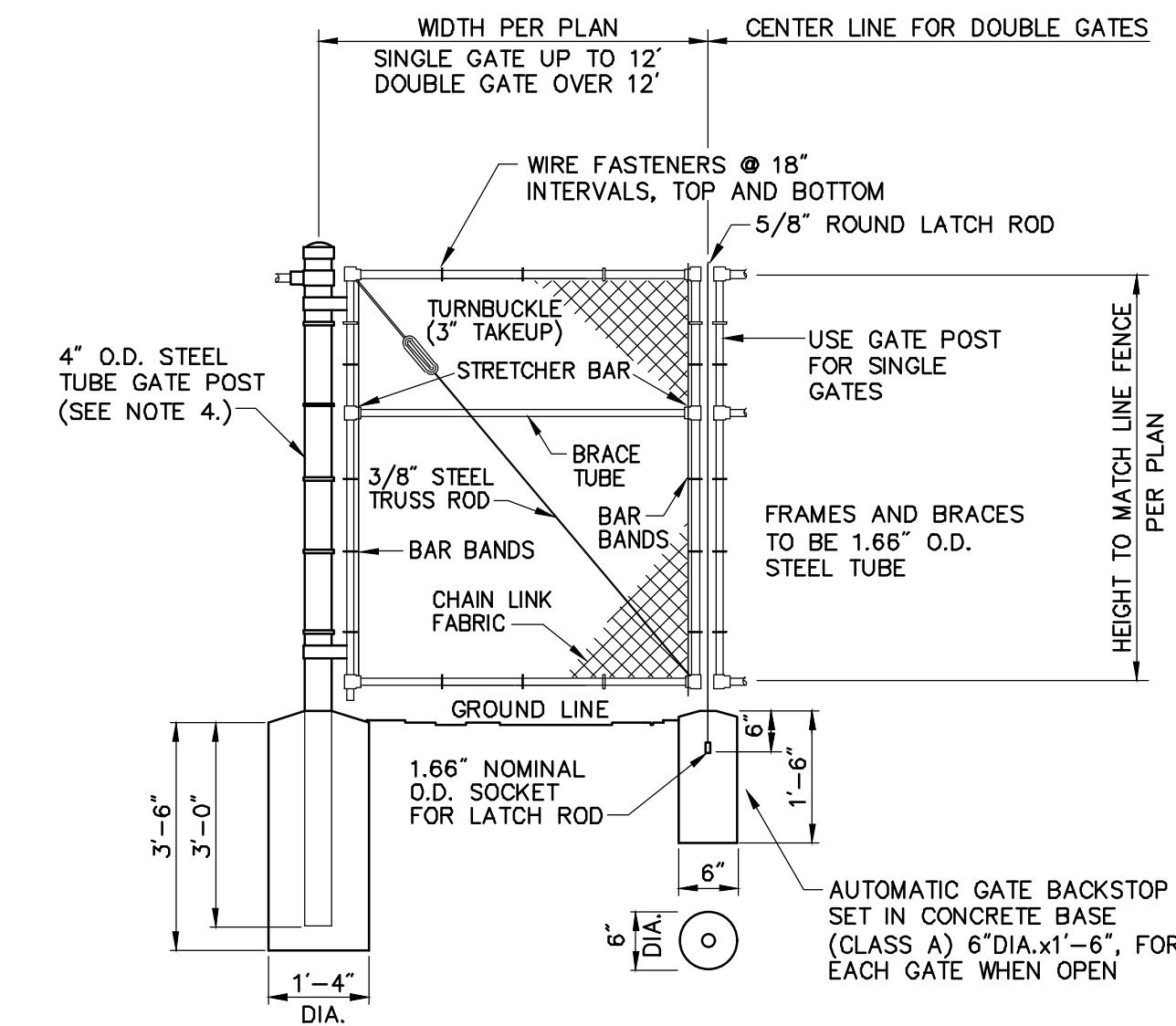


E-Fence DETAILS – Guidewire Crimp



E-Fence™ DETAILS – Wildlife Exclusion

- Installation Notes:**
- Excavate a trench a minimum of 4" wide and a minimum of 5" deep.
 - T-posts shall be a minimum of 0.95 lbs/ft. T-posts shall be driven a minimum 18" deep into the ground 8" centers
 - Insert barrier material into trench and attach to post in two places: 1) at 3" below top of fence and at 2) mid-height
 - At 3 Inches from top of fence (above wire tie), wrap 14 gauge galvanized wire once around each T-post and pull the guide wire from post to post, wrap, secure and pull wire tight between each post.
 - At segment overlaps (roll length 100 or 150 LF), overlap segments a minimum of 12". Eliminate all gaps by tying sections together with tie wire in two vertical rows, as shown.
 - Push E-Fence Guide Wire Crimps through the E-Fence and crimp the ties to the guide wire on the other side of the fence (two crimps per tie) at 3' intervals, as illustrated in Detail A of the installation guidelines. Crimp to the guide-wire securely.
 - E-Fence must be installed in continuous lengths (100 or 150 feet rolls). Do not cut segments into shorter lengths unless necessary due to sudden changes in elevation.
 - Backfill trench with trench spoils. Backfill from E-Fence side of posts first so that E-Fence is pushed up against T-posts. Back fill other side to complete backfill.



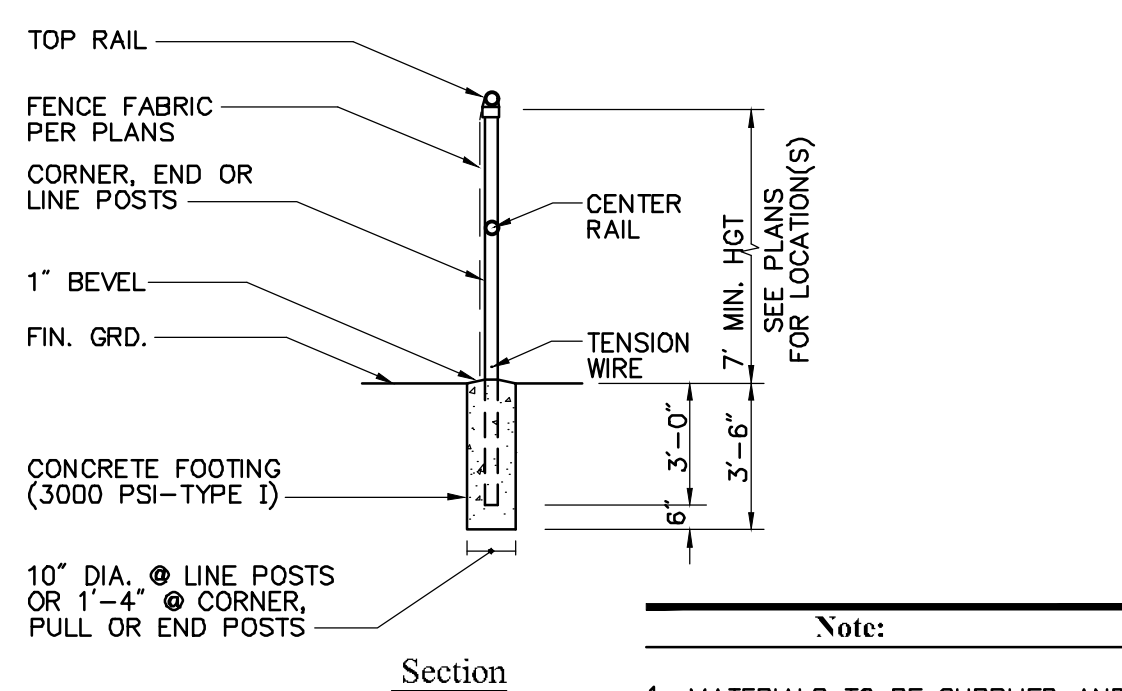
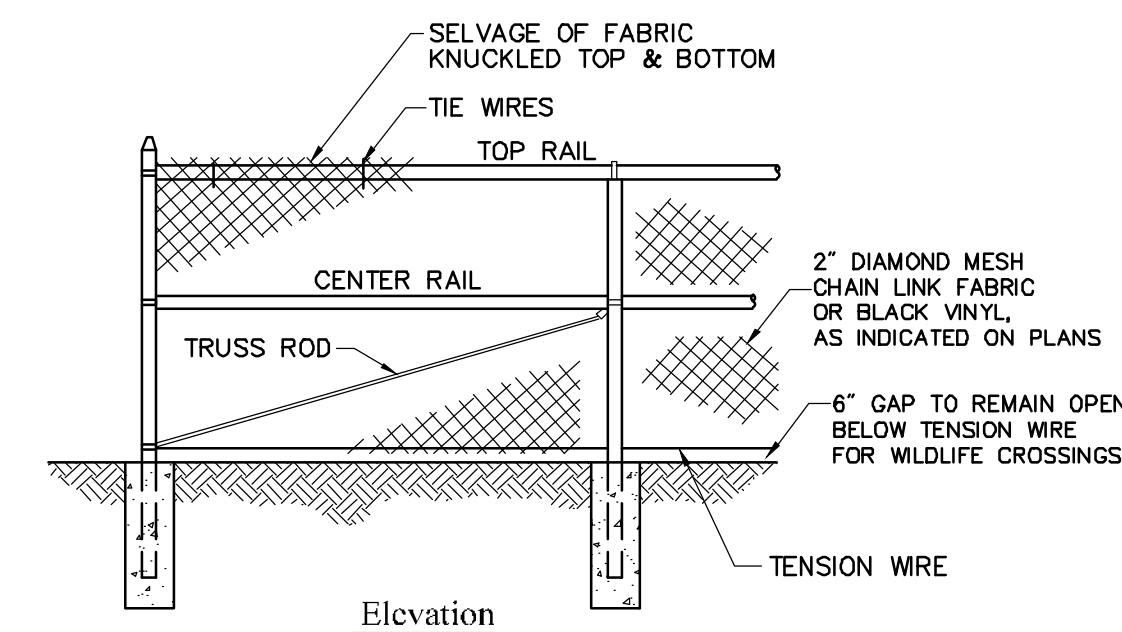
- Notes:**
- CHAIN LINK FABRIC FOR GATES TO BE THE SAME AS REQUIRED FOR FENCE.
 - GATE POST BASE—PORTLAND CEMENT CONCRETE (3000 PSI).
 - FENCE FABRIC, POSTS, FRAMEWORKS, AND HARDWARE SHALL BE GALVANIZED STEEL OR BLACK VINYL (AS INDICATED ON PLANS) PER SPECIFICATIONS.
 - GATE POSTS TO BE USED ON EACH SIDE OF SINGLE AND DOUBLE GATE OPENINGS.

Chain Link Fence Gate

N.T.S. Source: VHB 6/08 LD_482

E-Fence Installation Details

N.T.S. Source: Ertec Environmental Systems



- Note:**
- MATERIALS TO BE SUPPLIED AND INSTALLED IN CONFORMANCE WITH "CHAIN LINK MANUFACTURER'S INSTITUTE" PRODUCT MANUAL.

7' Chain Link Fence

N.T.S. Source: VHB 6/08 LD_480



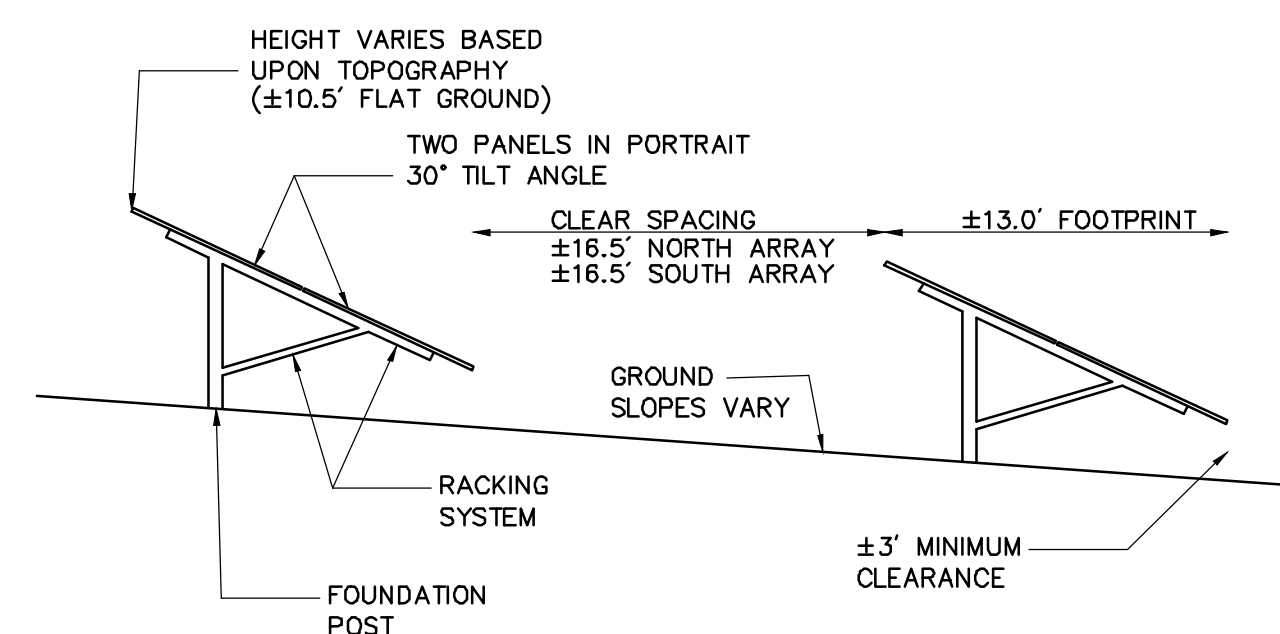
PHOTOVOLTAIC INSTALLATION
 Site Location: Mulnite Farms, East Windsor, CT 06016
 Owner: Greenskies Clean Energy, LLC
 Attn: Jean-Paul LaMarche
 127 Washington Avenue, West Bldg, Lower Level
 North Haven, CT 06473
IN CASE OF EMERGENCY CALL 911
EAST WINDSOR POLICE DEPARTMENT - (860) 292-8240

Notes:

- THE SITE FACILITY SIGN IS A DRAFT SHOWING THE MINIMUM AMOUNT OF INFORMATION THAT WILL BE PROVIDED. SIGN WILL BE 18" X 24".
- ALL SIGNS WILL BE MOUNTED ONTO THE CHAIN LINK FENCE.

Danger and Site Facility Signs

N.T.S. Source: VHB 1/16



Notes:

- FINAL DETERMINATION OF PANEL TYPE, RACKING SYSTEM, AND FOUNDATION POSTS TO BE DETERMINED PENDING BEST AVAILABLE TECHNOLOGY AT TIME OF CONSTRUCTION AND STRUCTURAL GROUND TESTING.

Cross Section of Fixed-Tilt Panel Array

N.T.S. Source: VHB 7/20

Photovoltaic Installation

Mulnite Farms
 East Windsor, Connecticut

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 Issued for _____ Date _____

Application July 23, 2021

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Site Details 1

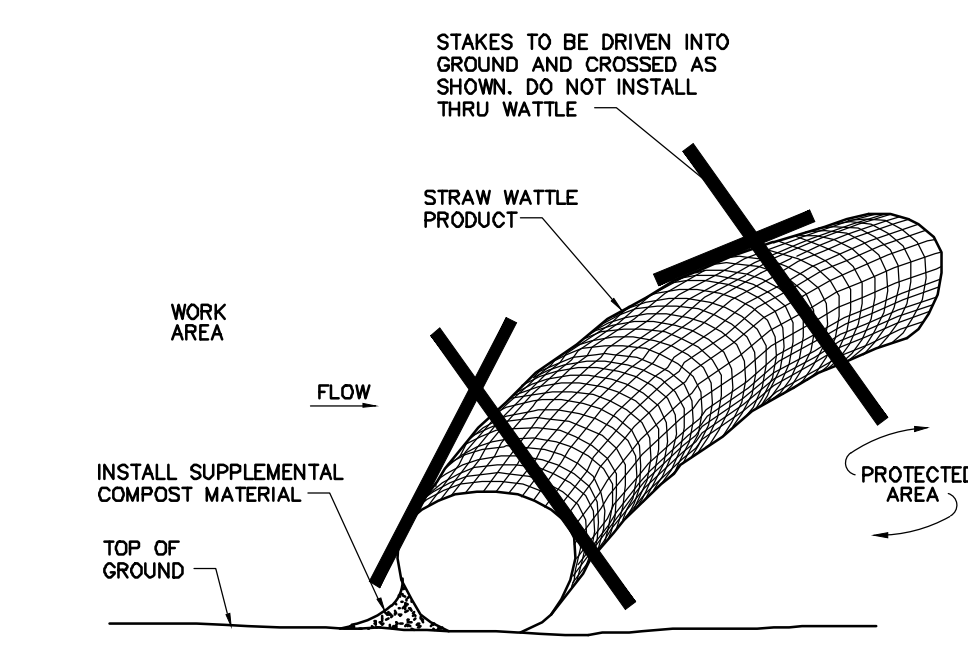
Drawing Number

C-6.1

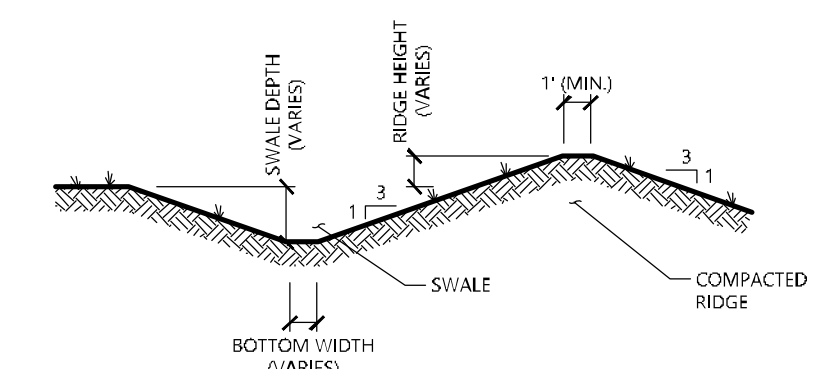
Sheet of 15 16



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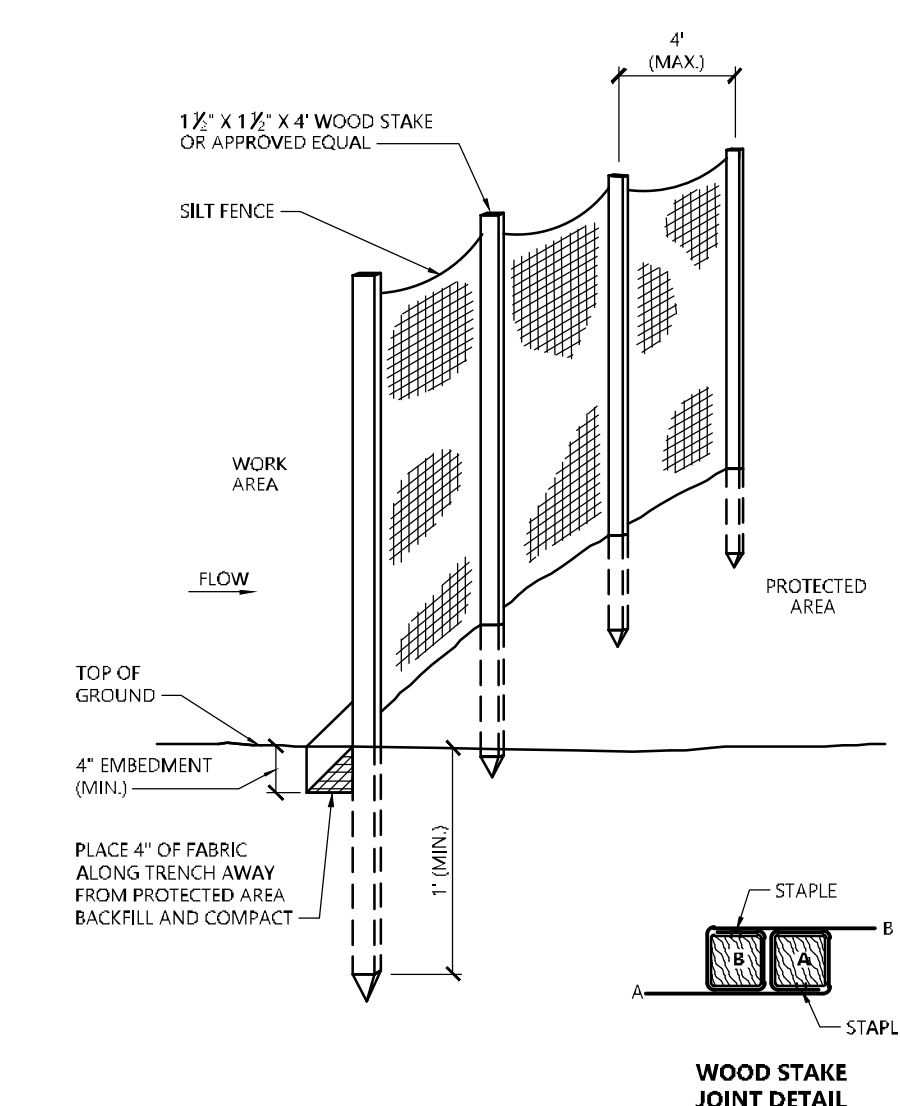


Straw Wattle Installation 8/12
N.T.S. Source: VHB LD_658

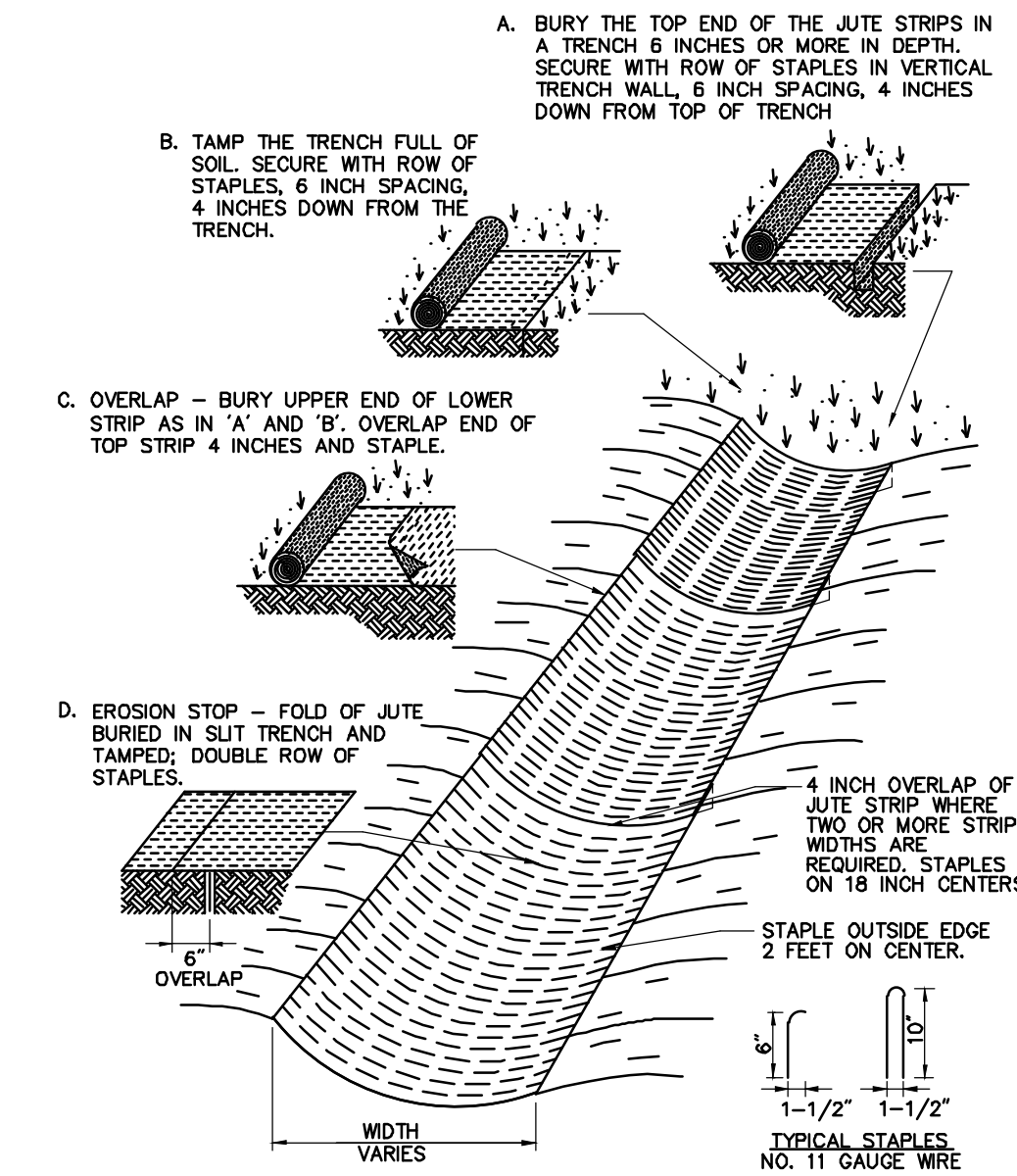


NOTE:
1. ALL SIDE SLOPES SHALL NOT EXCEED 3:1
2. REFER TO "DIVERSION SWALE SIZING" TABLE FOR SELECTION OF LINING MATERIAL TO BE INSTALLED OVER ENTIRE SWALE AREA.
3. REFER TO "DIVERSION SWALE SIZING" TABLE FOR VARIABLE SIZING.
4. THE INTENT IS TO USE THE MATERIAL EXCAVATED FROM THE SWALE TO CONSTRUCT THE RIDGE.

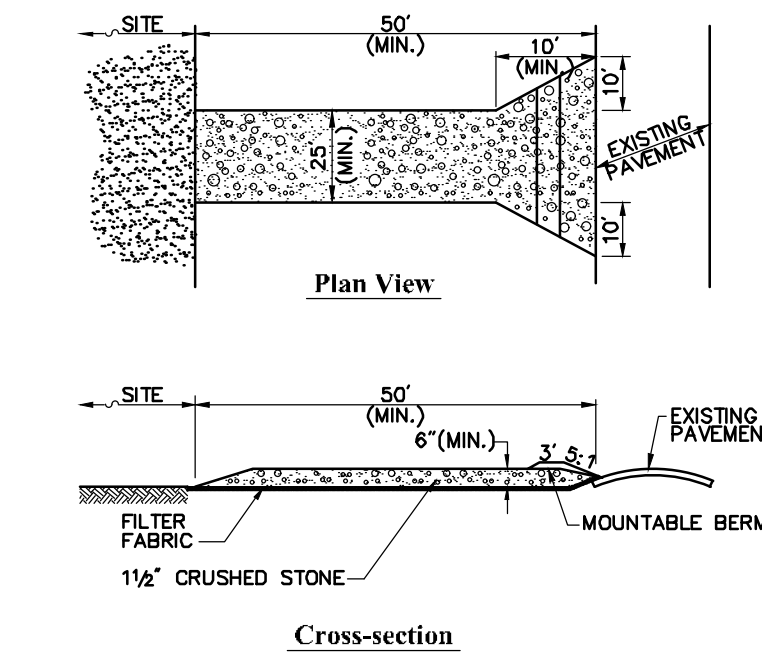
Diversion Swale 8/12
N.T.S. Source: VHB LD_658



Silt Fence Barrier 1/16
N.T.S. Source: VHB LD_650

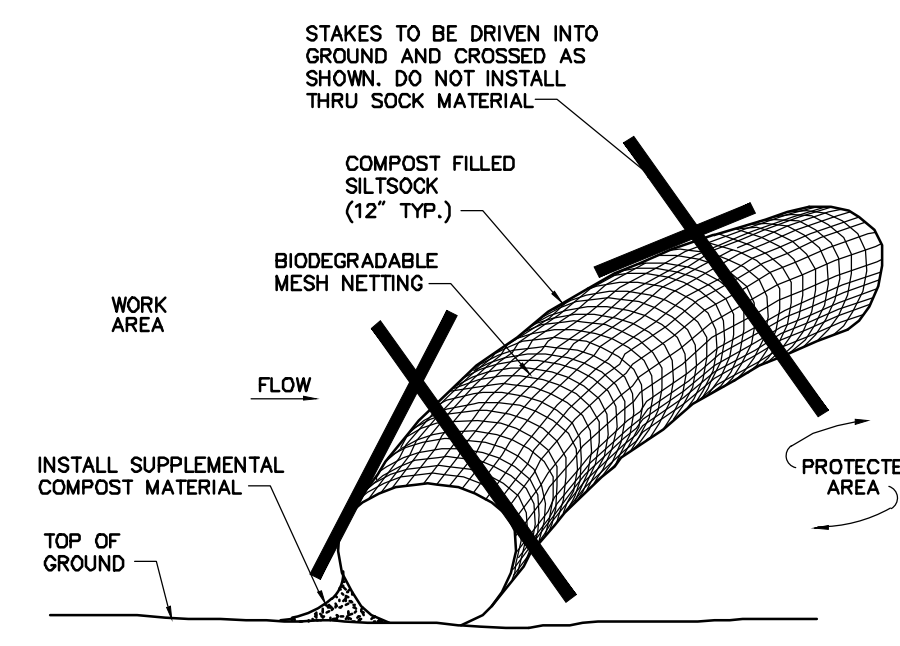


Erosion Control Blanket (ECB) Swale Installation 6/08
N.T.S. Source: VHB LD_681



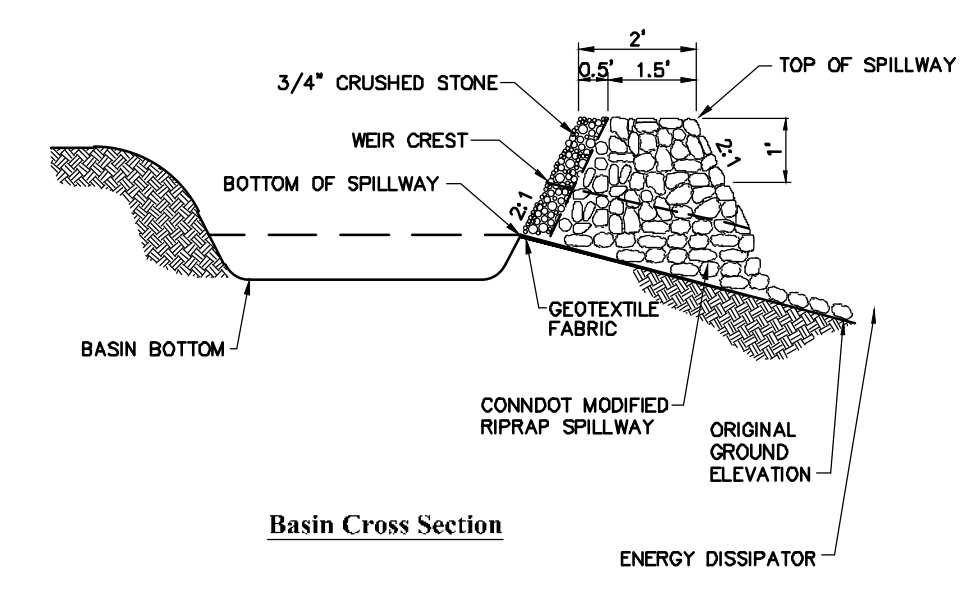
- Notes:
- ENTRANCE WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.
 - STABILIZED CONSTRUCTION EXIT SHALL BE REMOVED PRIOR TO FINAL FINISH MATERIALS BEING INSTALLED.

Stabilized Construction Exit 6/08
N.T.S. Source: VHB LD_682



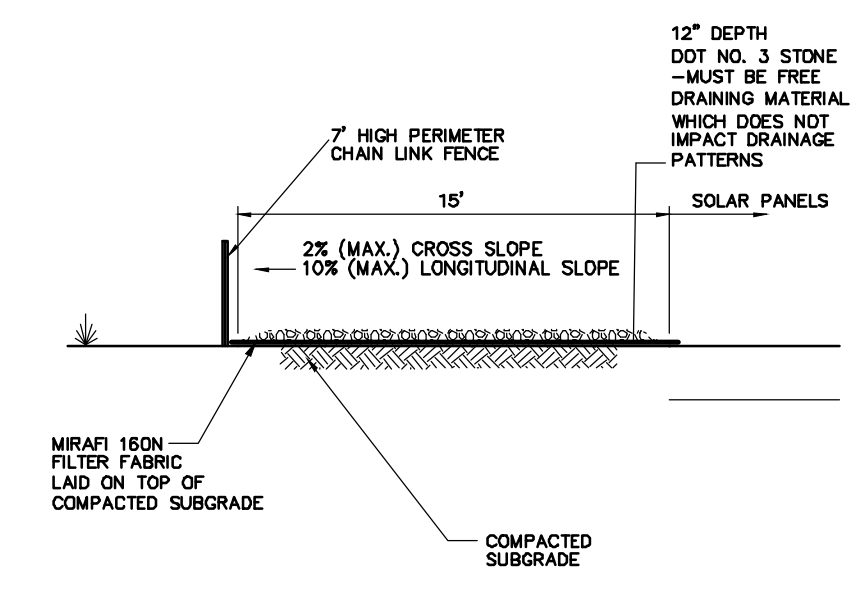
- Notes:
- SILT SOCK SHALL BE 12" DIAMETER FILTREXX SILT SOCK, OR APPROVED EQUAL.
 - SILT SOCKS SHALL OVERLAP A MINIMUM OF 12 INCHES.
 - SILT SOCKS SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
 - COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
 - IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFF-SITE.

Compost Filter Sock (CFS) 8/12
N.T.S. Source: VHB LD_658



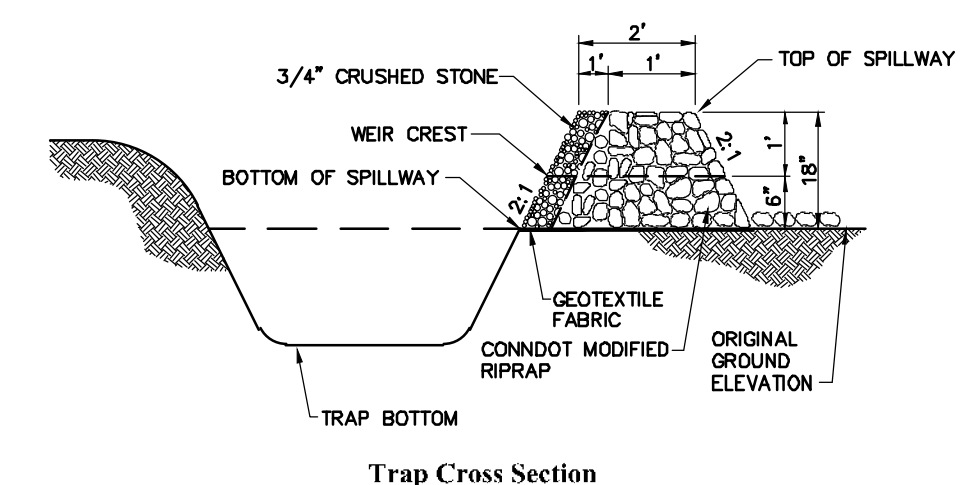
- NOTE:
1. ALL SIDE SLOPES SHALL NOT EXCEED 3:1
2. TOP OF EMBANKMENT SHALL BE 2" (MIN.) WIDTH AND 1" (MIN.) ABOVE TOP OF SPILLWAY.
3. SIDE SLOPES OF EMBANKMENT SHALL BE STABILIZED BY TEMPORARY SEEDING OR EROSION CONTROL BLANKETS AS DIRECTED BY THE ENGINEER.
4. REFER TO "PERMANENT STORMWATER BASIN SIZING" TABLE FOR VARIABLE SIZING.
5. PERIMETER SILT FENCE SHALL BE REMOVED IMMEDIATELY DOWNSTREAM FROM SPILLWAY AND REPLACED WITH E-FENCE.

Permanent Stormwater Basin
N.T.S. Source: VHB



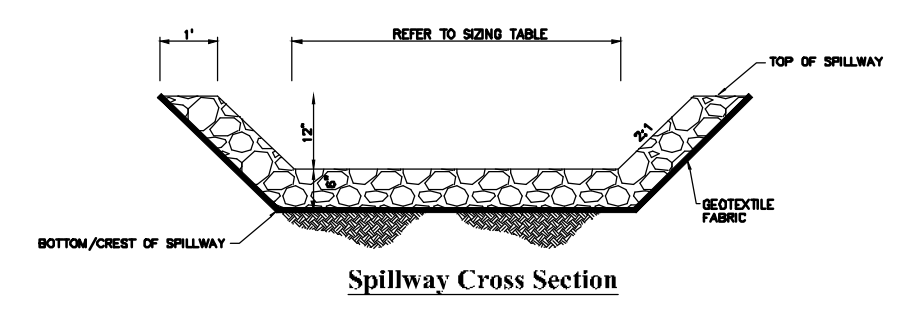
- Notes:
- CRUSHED STONE SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE CONNECTICUT DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION.

Perimeter Access Cross Section
N.T.S. Source: VHB



- NOTE:
1. ALL SIDE SLOPES SHALL NOT EXCEED 3:1
2. SIDE SLOPES OF EMBANKMENT SHALL BE STABILIZED BY TEMPORARY SEEDING OR EROSION CONTROL BLANKETS AS DIRECTED BY THE ENGINEER.
3. TRAP SHALL BE DRAINED AND CLEANED OF SEDIMENT ONCE SEDIMENT IS > 1\"/>

Sediment Trap (TST)
N.T.S. Source: VHB



- NOTE:
1. ALL SIDE SLOPES SHALL NOT EXCEED 2:1
2. TOP OF EMBANKMENT SHALL BE 2" (MIN.) WIDTH AND 1" (MIN.) ABOVE TOP OF SPILLWAY.
3. SIDE SLOPES OF EMBANKMENT SHALL BE STABILIZED BY TEMPORARY SEEDING OR EROSION CONTROL BLANKETS AS DIRECTED BY THE ENGINEER.
4. REFER TO "PERMANENT STORMWATER BASIN SIZING" TABLE FOR VARIABLE SIZING.
5. PERIMETER SILT FENCE SHALL BE REMOVED IMMEDIATELY DOWNSTREAM FROM SPILLWAY.

Stormwater Basin Spillway
N.T.S. Source: VHB

PERMANENT STORMWATER BASIN SIZING								
NUMBER	BASIN TYPE	LENGTH AT BASIN BOTTOM (TBE OF SLOPE), FT	WIDTH AT BASIN BOTTOM (TBE OF SLOPE), FT	SIDE SLOPES	BOTTOM ELEVATION, FT	ELEVATION OF BOTTOM/CREST OF SPILLWAY, FT	SPILLWAY WIDTH AT BASE, FT	MINIMUM TOP OF BERM ELEVATION, FT
1	INFILTRATION	15	170	3:1	193.0	197.0	20	197.5
2	INFILTRATION	15	35	3:1	205.0	212.0	8	213.5
3	INFILTRATION	15	45	3:1	207.0	211.0	12	211.8
4	INFILTRATION	70	320	3:1	213.5	218.0	16	219.0

DIVERSION SWALE SIZING						
NAME	APPROXIMATE TRIBUTARY AREA, AC	APPROXIMATE LENGTH, FT	BOTTOM WIDTH, FT	SIDE SLOPES	SWALE DEPTH, FT	LINING MATERIAL
SWALE 1	0.0	100	1	3:1	1	ECB
SWALE 2	0.5	130	1	3:1	1	ECB
SWALE 3	0.7	150	1	3:1	1	ECB
SWALE 4	8.5	490	3.5	3:1	1.5	ECB

Sizing Tables for Temporary & Permanent Stormwater Features
N.T.S. Source: VHB

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Site Details 2

C-6.2