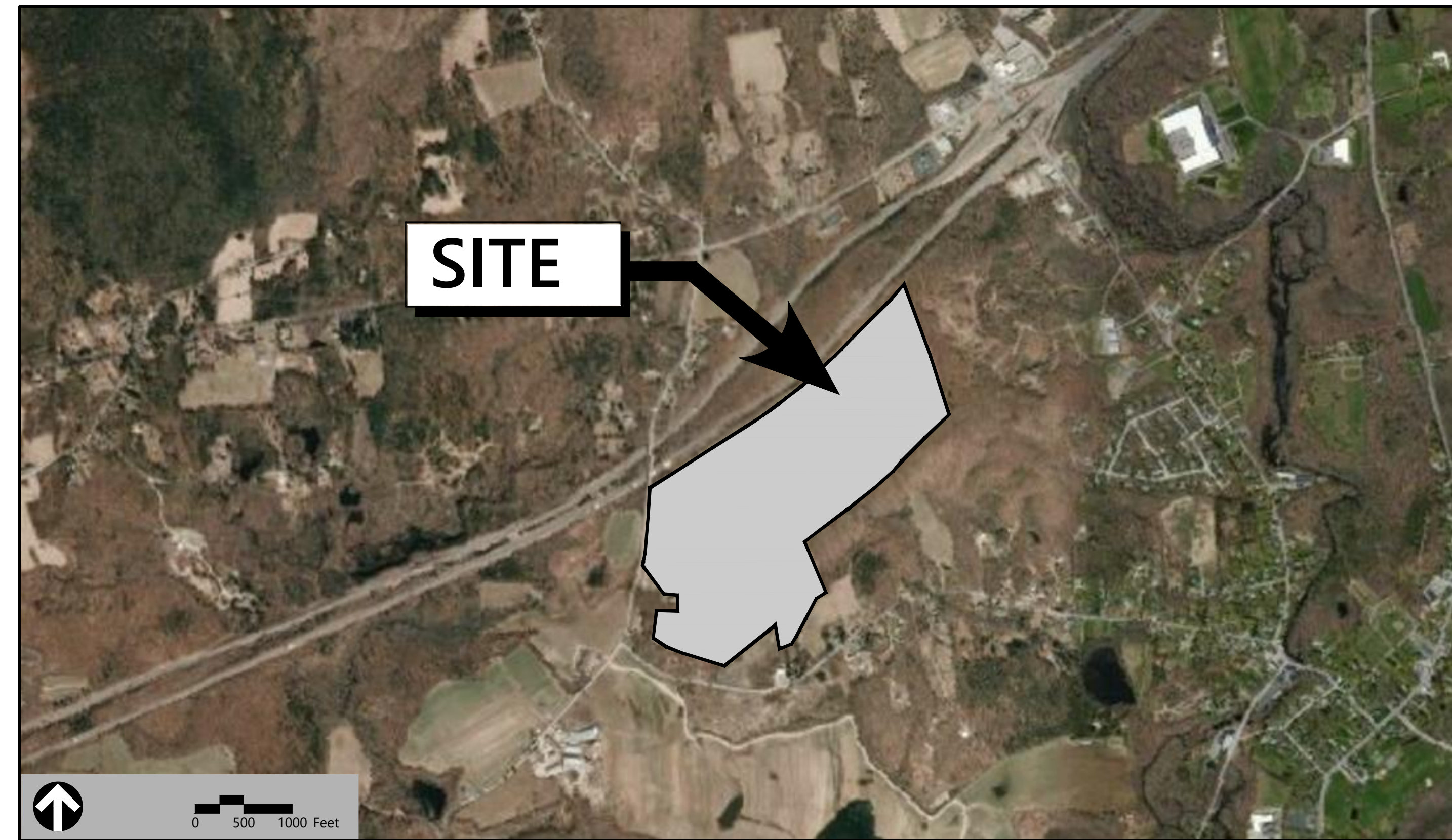


Site Plans

Issued for	Application
Date Issued	May 29, 2020
Latest Issue	August 17, 2020

Photovoltaic Installation

227 Boombridge Road
North Stonington, Connecticut



Applicant

Greenskies Clean Energy, LLC
180 Johnson Street
Middletown, CT 06457

Map / Lot:

119-0928

Owner

Lewis Brothers Partnership
273 Boombridge Road
North Stonington, CT 06359

Map / Lot:

119-6313

Owner

Lewis David Babcock LLC
273 Boombridge Road
North Stonington, CT 06359

Map / Lot:

119-7862

Owner

Lewis Ledyard
233 Boombridge Road
North Stonington, CT 06359

Sheet Index

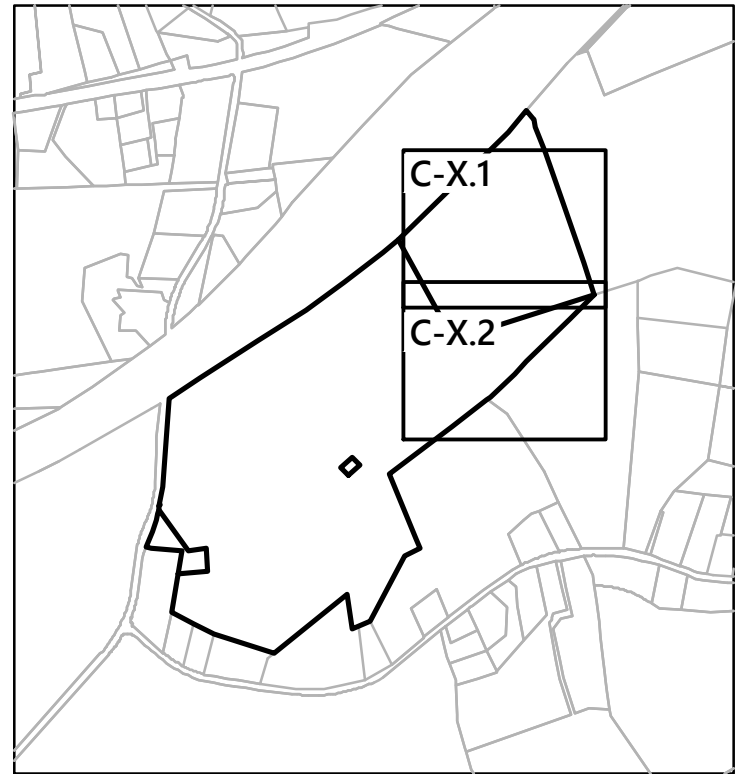
No.	Drawing Title	Latest Issue
C-1	Legend and General Notes	August 17, 2020
C-2	Key Plan	August 17, 2020
C-3.0	Layout and Materials Plan - Overall	August 17, 2020
C-3.1-3.2	Layout and Materials Plan 1 thru 2	August 17, 2020
C-4.0	Grading and Drainage Plan - Overall	August 17, 2020
C-4.1-4.2	Grading and Drainage Plan 1 thru 2	August 17, 2020
C-5.0	Erosion and Sediment Control Plan - Overall	August 17, 2020
C-5.1-5.2	Erosion and Sediment Control Plan 1 thru 2	August 17, 2020
C-6.1-6.2	Site Details	August 17, 2020

Reference Drawings

No.	Drawing Title	Latest Issue
Sheets 1 & 2	Property Survey	December 10, 2019



100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300



Key
Not To Scale

MATCHLINES

SHEET C-X.1

INTERSTATE 95
A 1966 STATE HIGHWAY LAYOUT

CBF
LIMIT OF WORK

DHF

ZONE:HC
ZONE:R-60

SHEET C-X.2

LIMIT OF WORK

DHF

DHF

DHF

EXISTING GRAVEL ROAD



0 50 100 200 Feet

Photovoltaic Installation
227 Boombridge Road
North Stonington, Connecticut

No.	Revision	Date	App'd.
1	CSC Comments	8/17/2020	SJK

Designed by	Checked by
KJT	SJK
Issued for	Date
Application	May 29, 2020

Not Approved for Construction

Key Plan

Drawing Number

C-2

Sheet 2 of 13

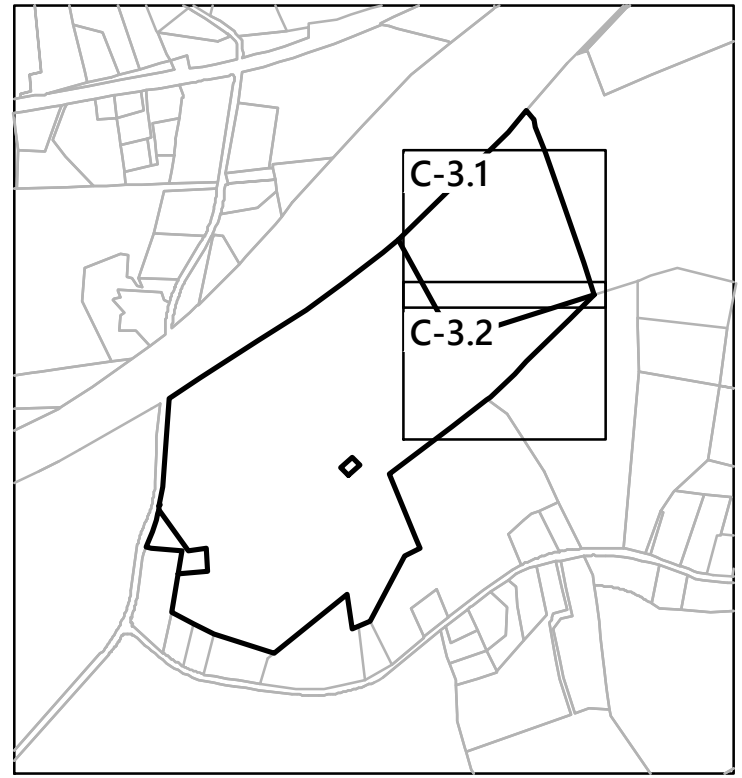
Project Number
42517.01

PROJECT INFORMATION

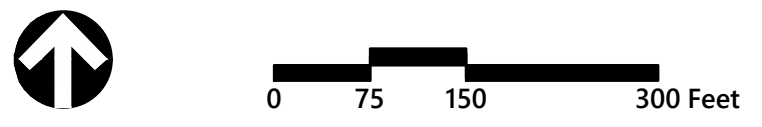
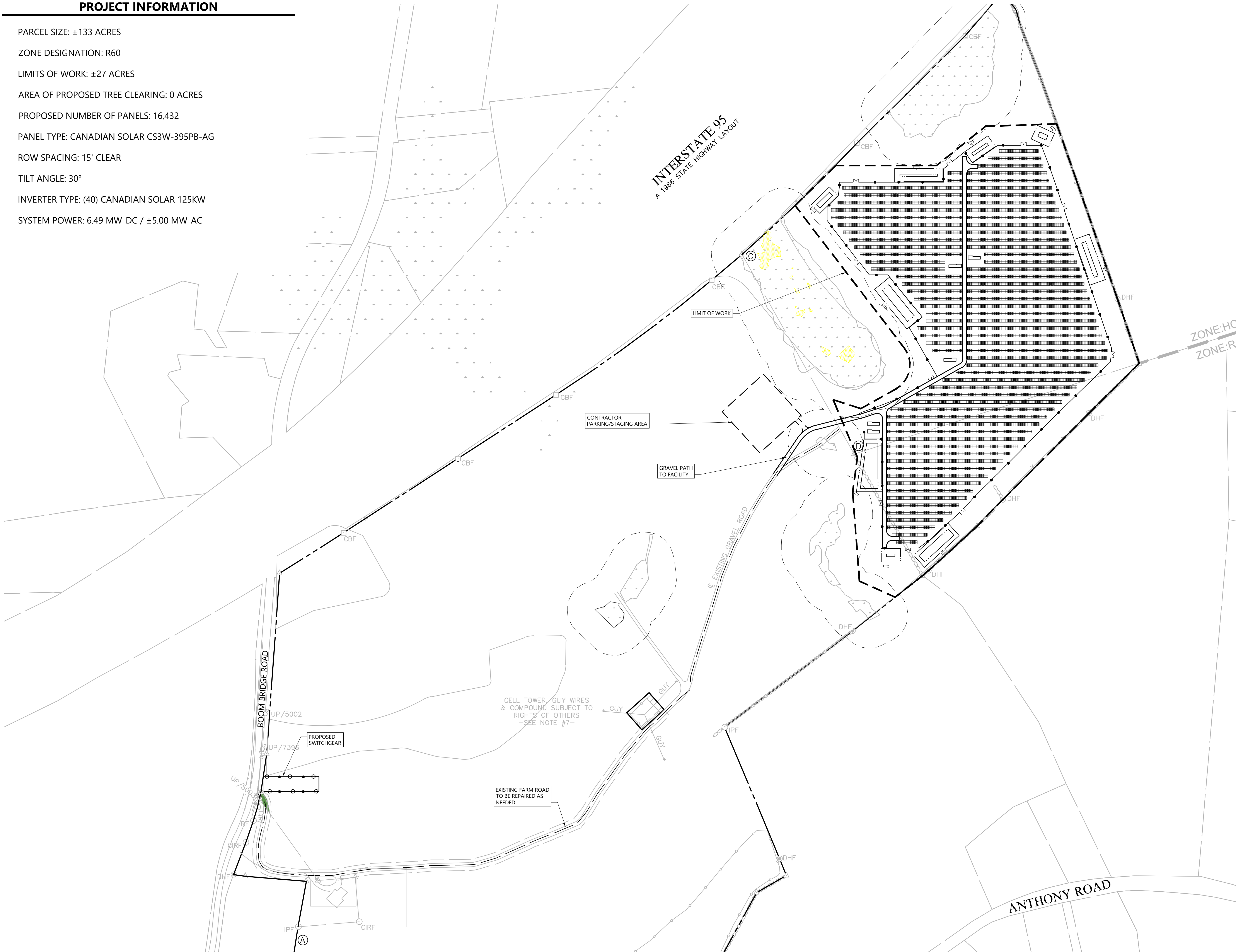
PARCEL SIZE: ±133 ACRES
 ZONE DESIGNATION: R60
 LIMITS OF WORK: ±27 ACRES
 AREA OF PROPOSED TREE CLEARING: 0 ACRES
 PROPOSED NUMBER OF PANELS: 16,432
 PANEL TYPE: CANADIAN SOLAR CS3W-395PB-AG
 ROW SPACING: 15' CLEAR
 TILT ANGLE: 30°
 INVERTER TYPE: (40) CANADIAN SOLAR 125KW
 SYSTEM POWER: 6.49 MW-DC / ±5.00 MW-AC



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 860.807.4300



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 227 Boombridge Road
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Designed by	Checked by
KJT	SJK
Issued for	Date
Application	May 29, 2020

Not Approved for Construction

Layout and Materials Plan - Overall

Drawing Number

C-3.0

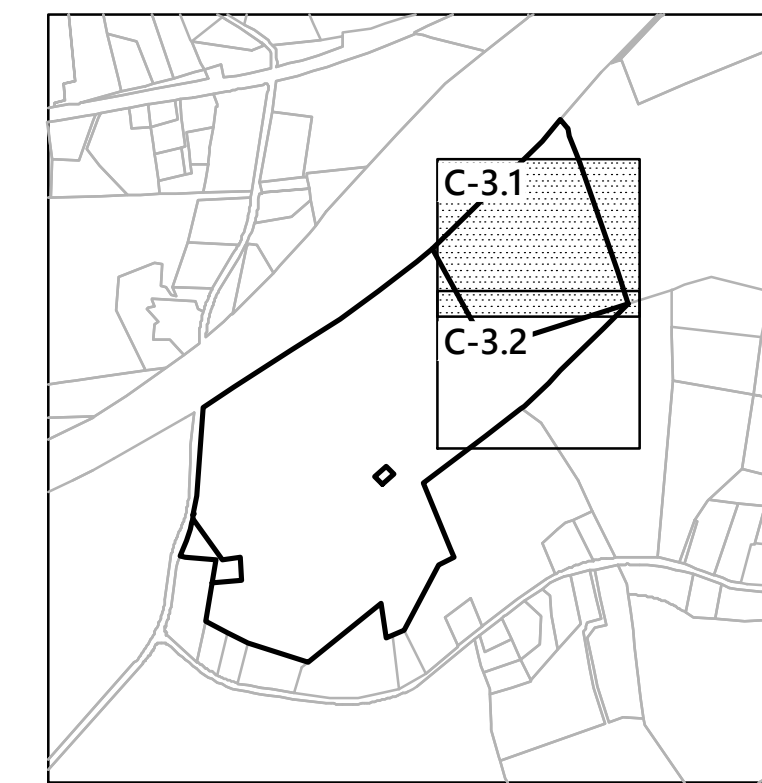
Sheet 3 of 13

Project Number
 42517.01

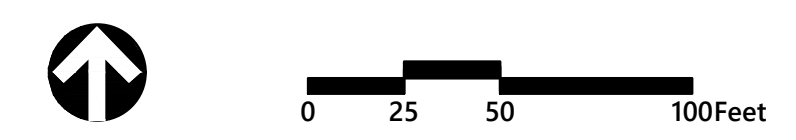
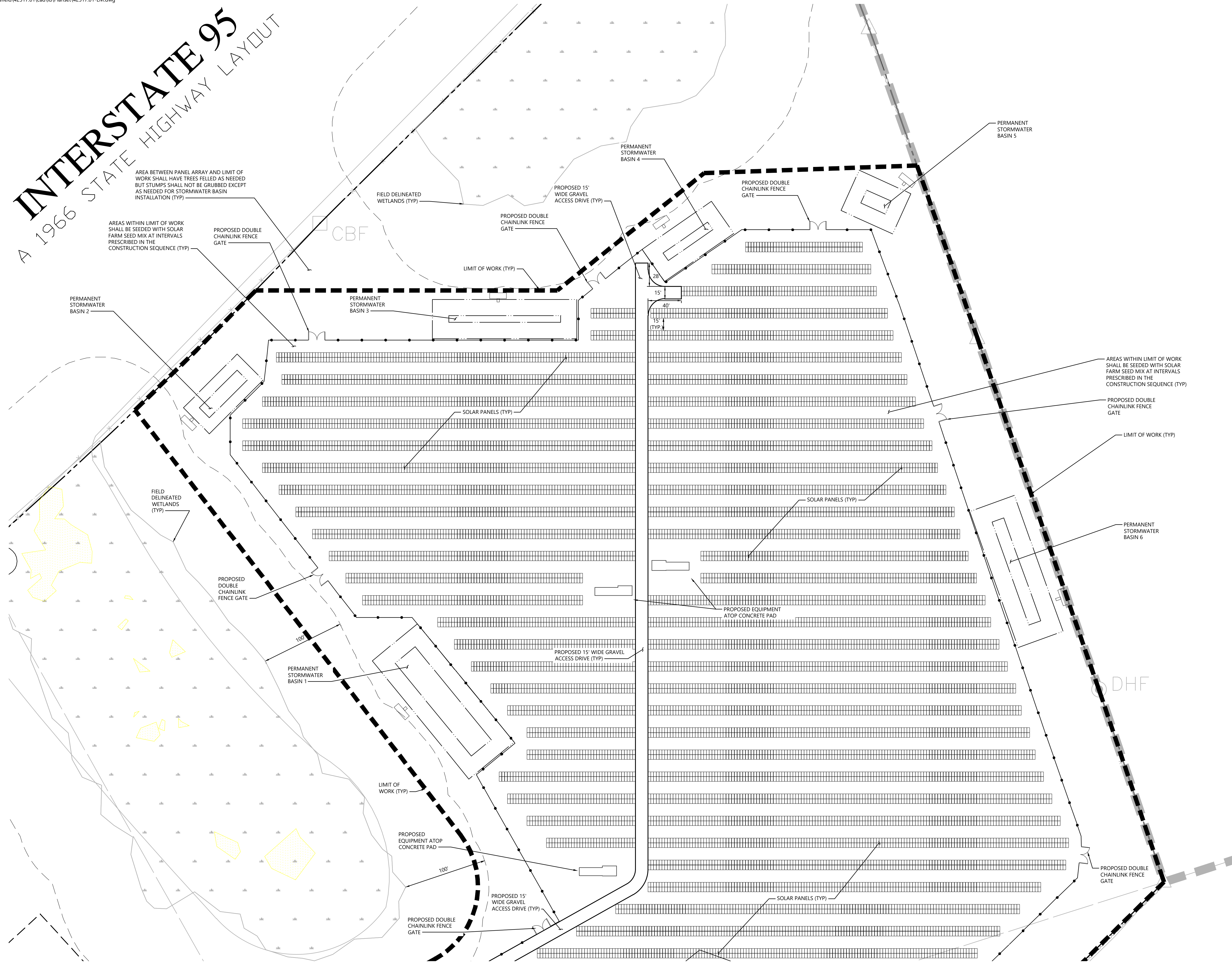
INTERSTATE 95 A 1966 STATE HIGHWAY LAYOUT



100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300



Key
Not To Scale

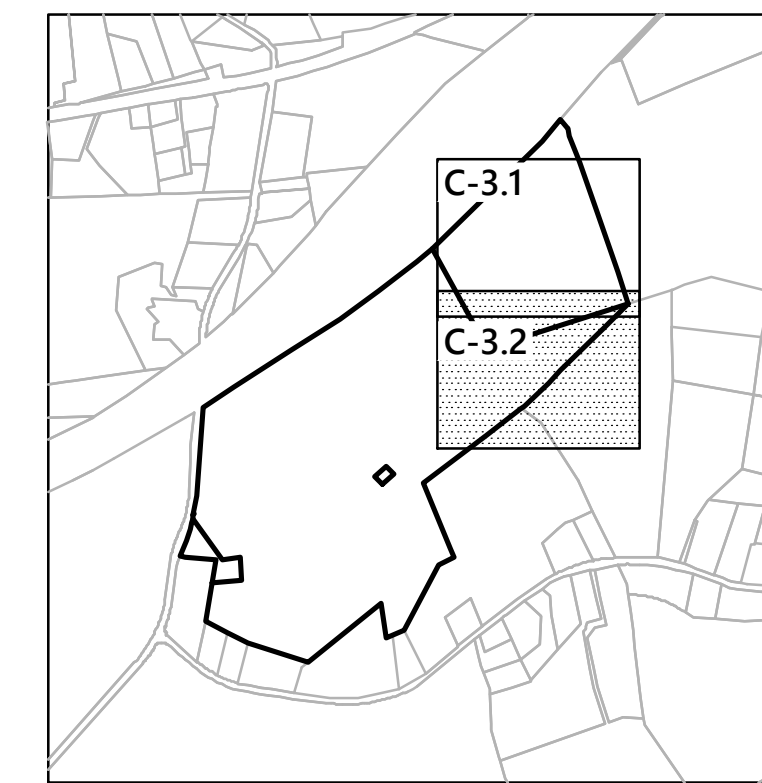


Photovoltaic Installation 227 Boombridge Road North Stonington, Connecticut

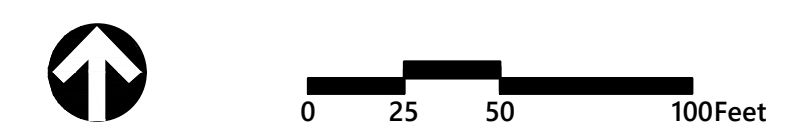
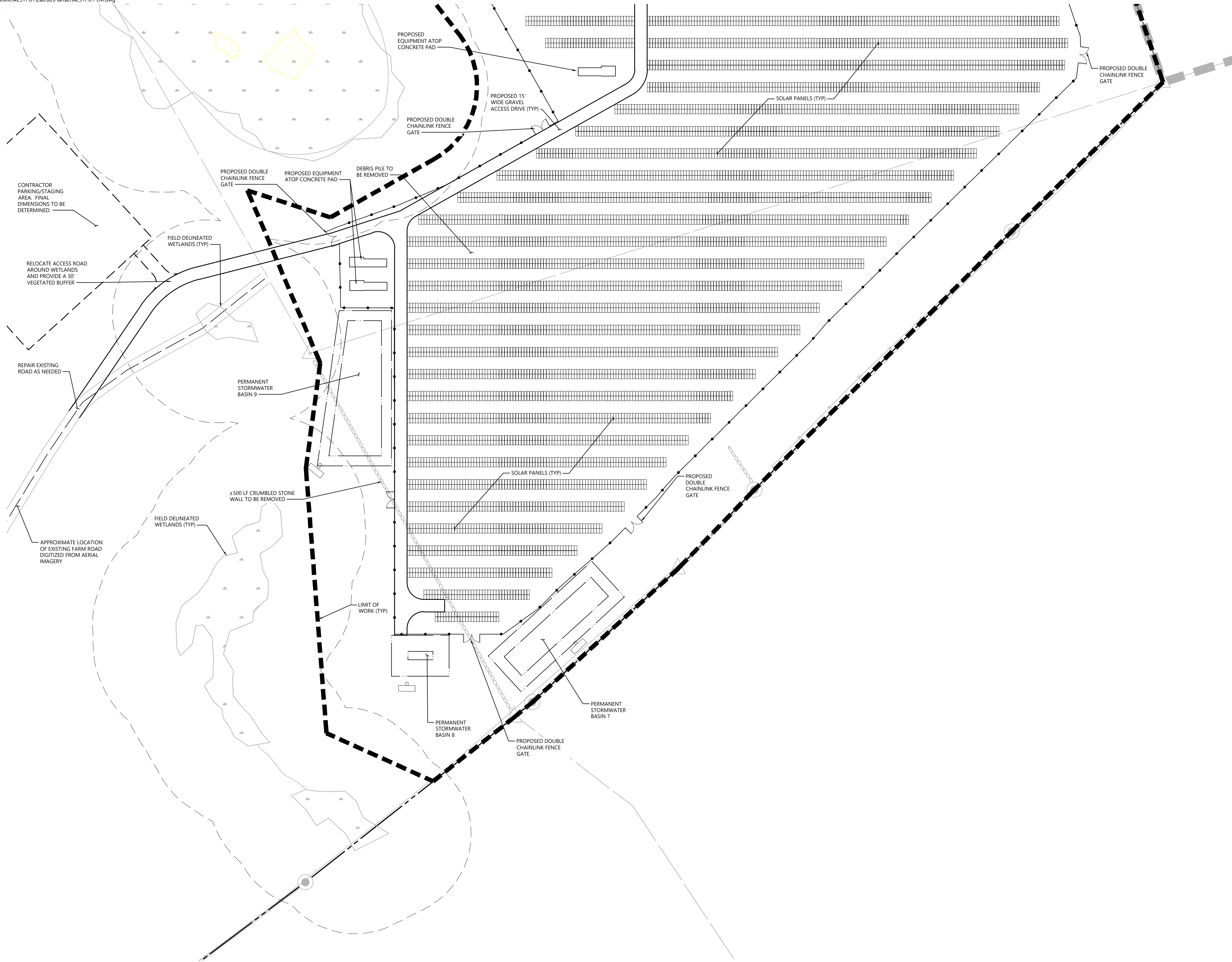
No.	Revision	Date	Appvd.
1	CSC Comments	8/17/2020	SJK

Designed by: KJT
Checked by: SJK
Issued for: Application
Date: May 29, 2020

Not Approved for Construction
Drawing Title: **Layout and Materials Plan**
Drawing Number: C-3.1



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227 Boombridge Road
North Stonington, Connecticut

No.	Revision	Date	Appvd.
1	CSC Comments	8/17/2020	SJK

Designed by	KJT	Checked by	SJK
Issued for		Date	May 29, 2020

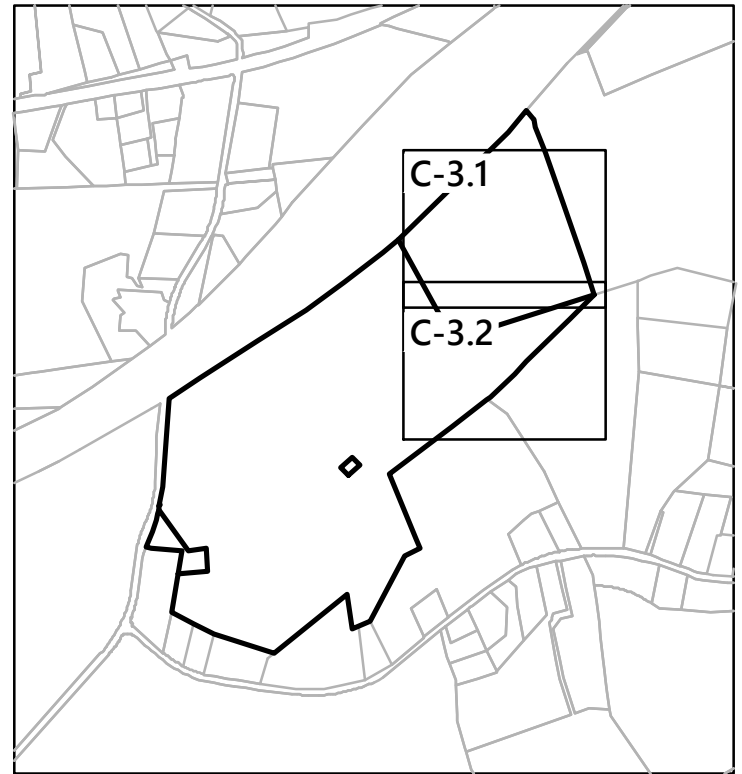
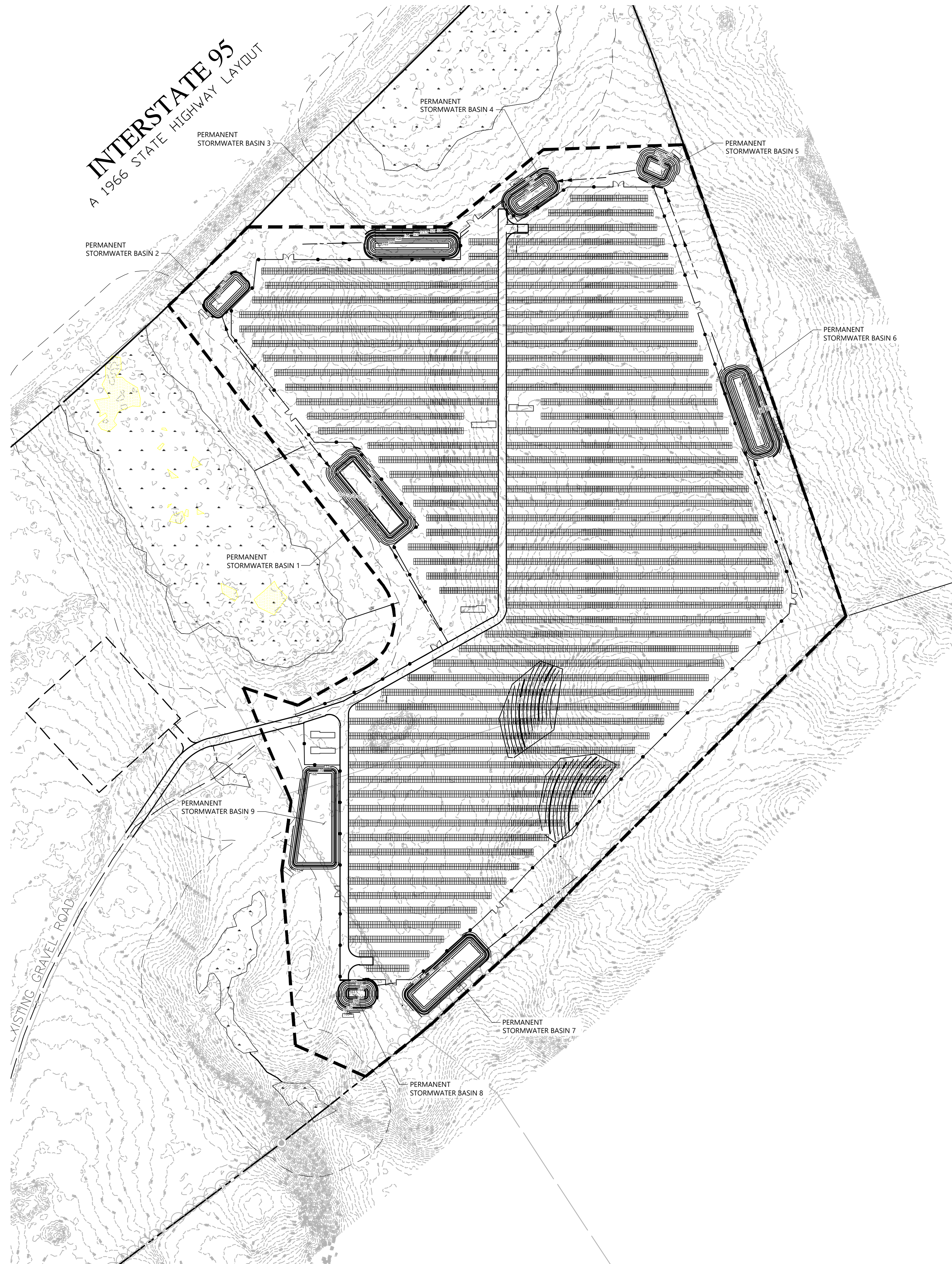
Application

Not Approved for Construction
Layout and Materials Plan

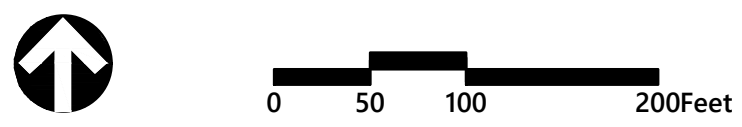
C-3.2

Sheet 5 of 13

Project Number
42517.01



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Photovoltaic Installation
227 Boombridge Road
North Stonington, Connecticut

No.	Revision	Date	Appr'd.
1	CSC Comments	8/17/2020	SJK

Designed by: KJT
Checked by: SJK
Issued for: Application
Date: May 29, 2020

Not Approved for Construction
Drawing Title: **Grading and Drainage Plan - Overall**

Drawing Number: **C-4.0**

Sheet 6 of 13

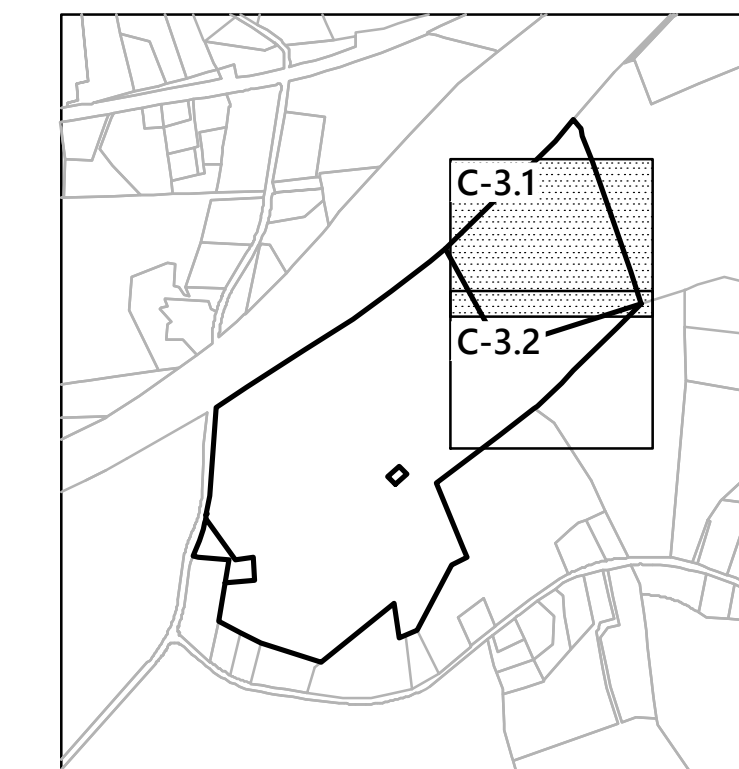
Project Number: 42517.01

INTERSTATE 95

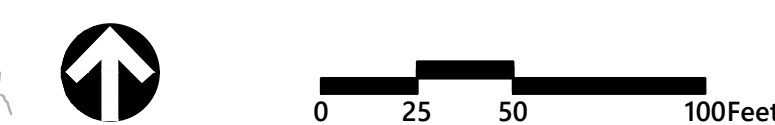
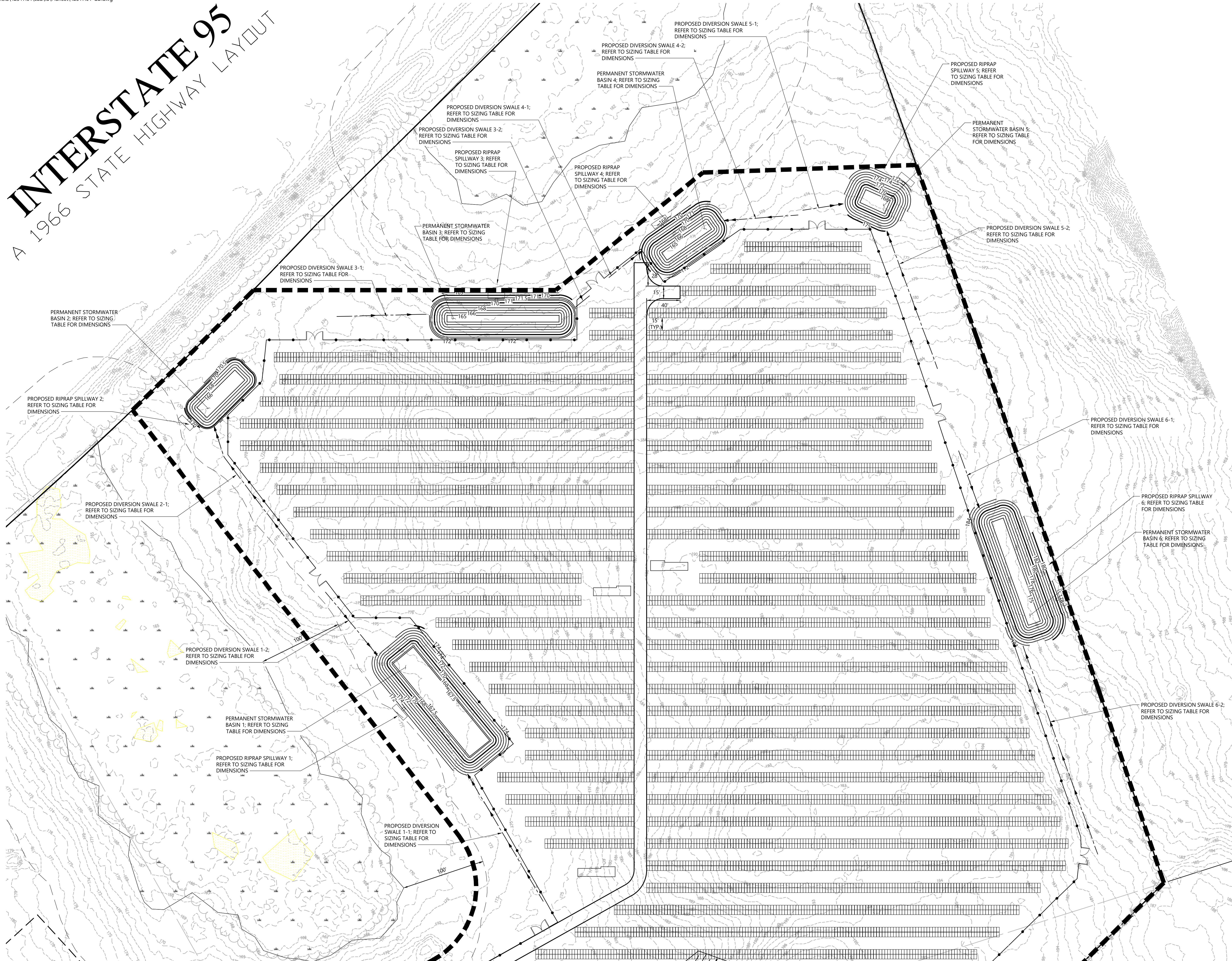
A 1966 STATE HIGHWAY LAYOUT



100 Great Meadow Road
Suite 200
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Photovoltaic Installation

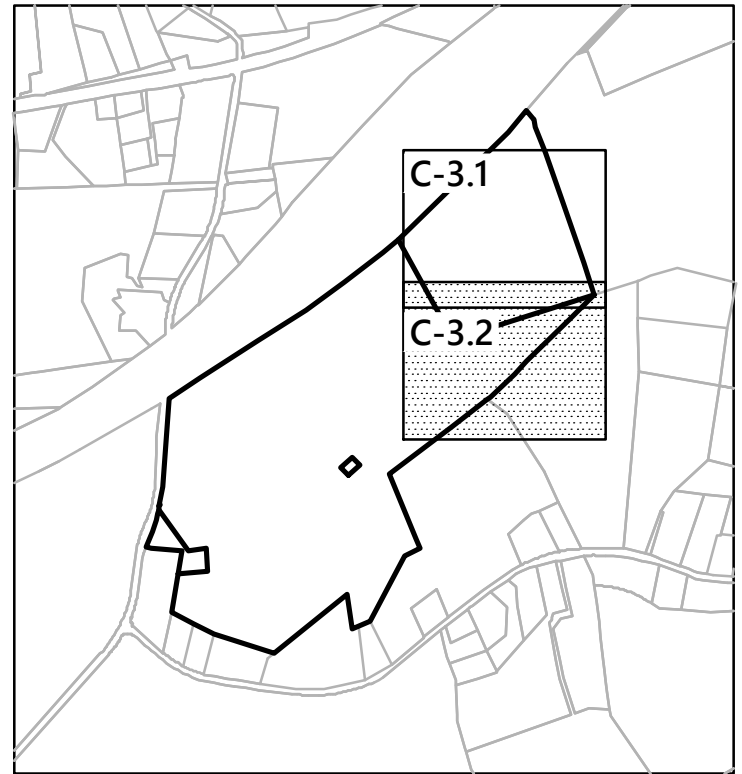
227 Boombridge Road
North Stonington, Connecticut

No.	Revision	Date	Appr.
1	CSC Comments	8/17/2020	SJK

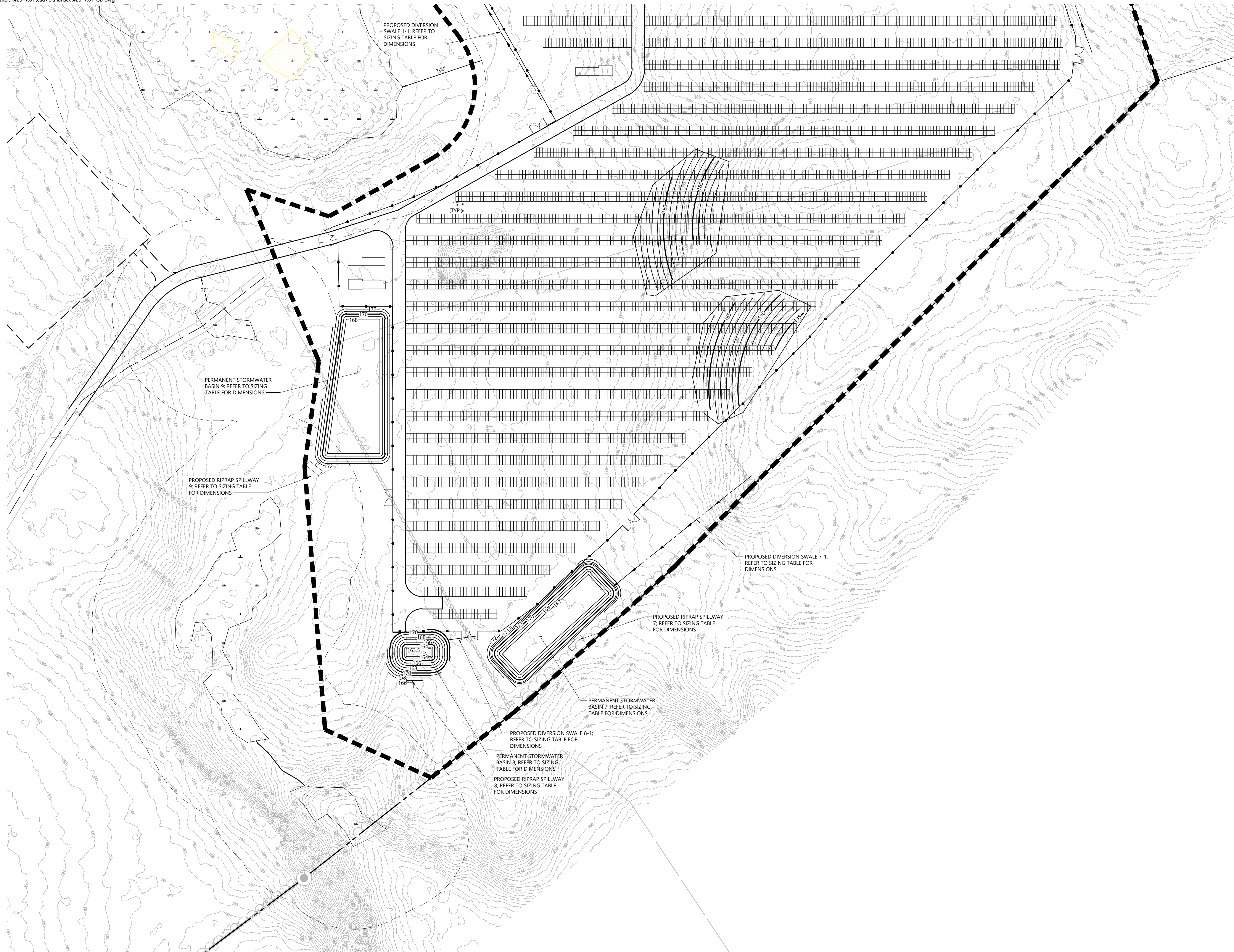
Designed by: KJT
Checked by: SJK
Issued for: Application
Date: May 29, 2020

Not Approved for Construction
Drawing Title: **Grading and Drainage Plan**

Sheet **C-4.1** of 13
Project Number: 42517.01



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Photovoltaic Installation
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Designed by	Checked by
KJT	SJK

Issued for: Application Date: May 29, 2020

Not Approved for Construction
Drawing Title: **Grading and Drainage Plan**

Drawing Number

C-4.2

Sheet 8 of 13

Project Number: 42517.01

CONSTRUCTION SEQUENCING

ALL CONSTRUCTION ACTIVITIES ARE EXPECTED TO BEGIN IN THE SPRING/SUMMER OF 2021 AND COMPLETED BY THE END OF 2021. THE GENERAL CONSTRUCTION NOTES ARE AS FOLLOWS:

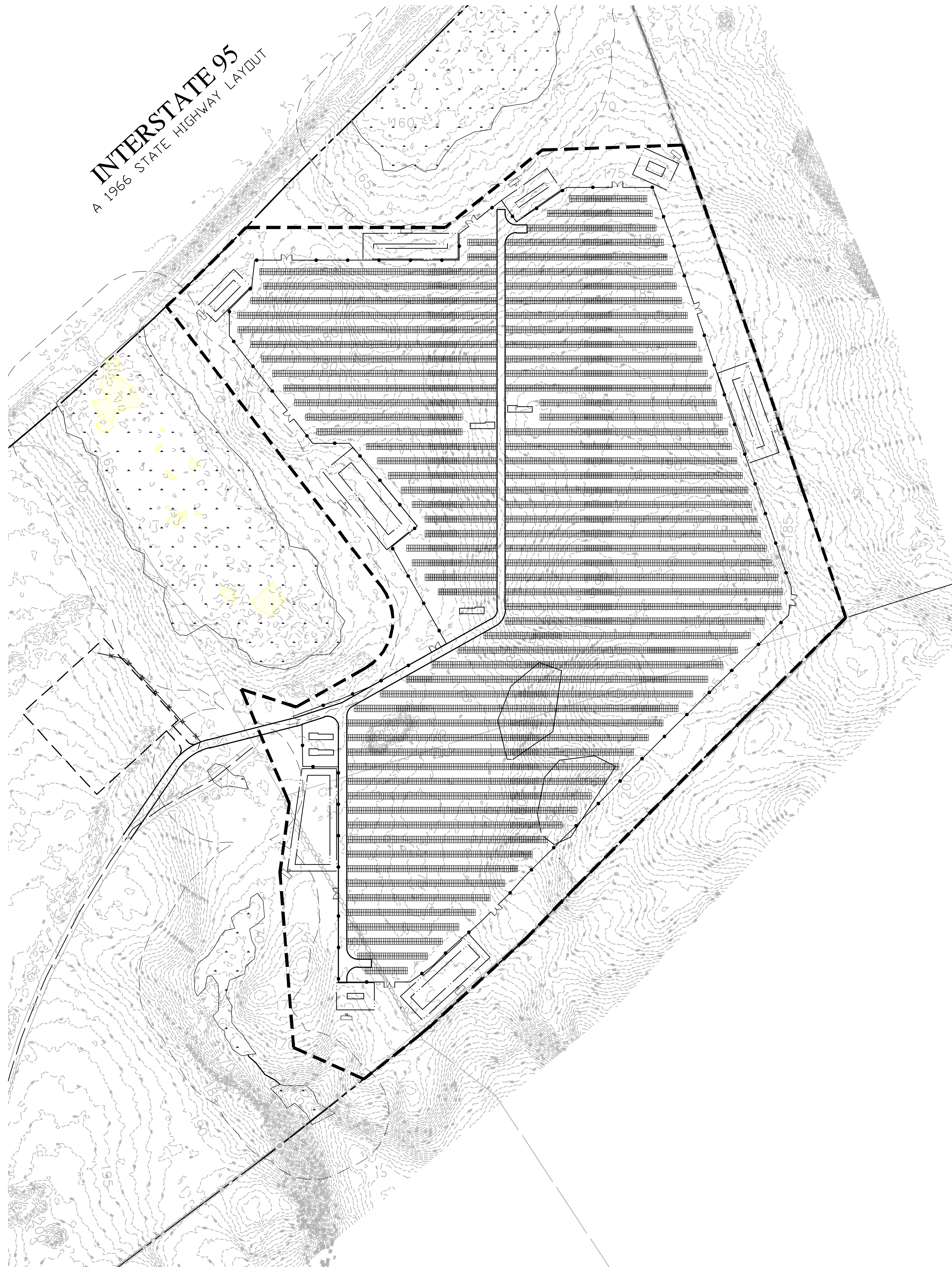
1. THE SITE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT ROADS/HIGHWAYS AND THEIR DRAINAGE SYSTEM, NEIGHBORING PROPERTIES, WETLANDS AND REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT. DESIGNATED ACCESS DRIVES MUST BE USED TO THE MAXIMUM EXTENTS POSSIBLE.
2. A 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. IT IS ALSO ANTICIPATED THAT REPRESENTATIVES FROM CTDEEP AND/OR THE STATE CONSERVATION DISTRICT WILL PERFORM PERIODIC INSPECTIONS.
3. ENGINEER OF RECORD SHALL PERFORM THREE (3) MONTHLY PLAN IMPLEMENTATION INSPECTIONS WITHIN THE FIRST 90 DAYS OF CONSTRUCTION ACTIVITY, AS REQUIRED BY CONNECTICUT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION.
4. 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.
5. PRIOR TO CONSTRUCTION, THE APPLICANT SHALL PROVIDE THE TOWN OF NORTH STONINGTON WITH THE NAME OF CONTACT AND 24-HOUR CONTACT INFORMATION.
6. CONTRACTOR SHALL ADHERE TO 2002 CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL, AS AMENDED.
7. THE CONTRACTOR SHALL FLAG THE LIMITS OF CLEARING NECESSARY TO FACILITATE THE PRE-CONSTRUCTION MEETING.
8. THE CONTRACTOR SHALL HOLD PRE-CONSTRUCTION MEETING(S). ATTENDEES SHALL INCLUDE, BUT NOT BE LIMITED TO, REPRESENTATIVES OF THE GENERAL CONTRACTOR, SITE CONTRACTOR, CTDEEP, TOWN OF NORTH STONINGTON, ENGINEER OF RECORD, AND QUALIFIED SWPPP INSPECTOR.
9. THE CONTRACTOR SHALL CONTACT CALL-BEFORE-YOU-DIG (1-800-922-4455) PRIOR TO ENGAGING IN ANY EXCAVATION ACTIVITIES AT THE SITE.
10. THE CONTRACTOR SHALL NOTIFY THE TOWN OF NORTH STONINGTON AGENT, ZONING ENFORCEMENT OFFICER, AND ENGINEERING DEPARTMENT, 48 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.
11. NO CONSTRUCTION OF SITE IMPROVEMENTS MAY BEGIN UNTIL THE PROPER EROSION CONTROL MEASURES SERVING THE AREA TO BE DISTURBED ARE IN PLACE.
12. ANTICIPATED WORK HOURS WILL BE BETWEEN 6:30 AM AND 5:00 PM.
13. NO CLEARING OF THE EXISTING SCRUB SHRUB SHALL BE ALLOWED BETWEEN MAY 1 AND JULY 31 TO PROTECT FOR THE POSSIBLE PRESENCE OF PRAIRIE WARBLER BREEDING.

PRE-CONSTRUCTION SITE PROTECTION SEQUENCE

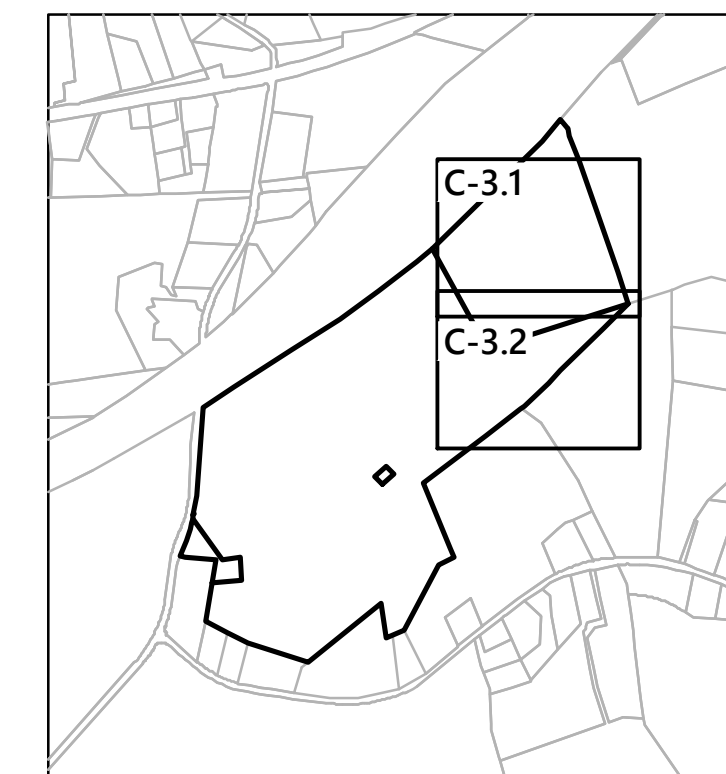
1. ACCESS ROADS SHALL BE DESIGNATED AS EARLY AS FEASIBLE AND USED PRIMARILY FOR CONSTRUCTION TRAFFIC.
2. INSTALL ENTRENCHED SILT FENCE FOLLOWING STANDARDS OF THE 2002 CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL. PERIMETER SILT FENCE SHALL BE MAINTAINED IN PERPETUITY UNTIL COMPLETION OF CONSTRUCTION. NO WORK SHALL BE ALLOWED OUTSIDE OF THESE LIMITS.
3. CONCURRENT WITH ITEMS 2 THROUGH 9 ABOVE, 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 MONOFILAMENT MESH IS AN ACCEPTABLE ALTERNATIVE FOR HYDROSEED AND BFM.
4. INSTALL TEMPORARY SEDIMENT TRAPS IN ACCORDANCE WITH THE APPROVED SITE-SPECIFIC SWPCP 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.
5. SEED AND PROTECT DISTURBED SOILS AROUND SEDIMENT TRAPS AND BASINS WITHIN 10 DAYS OF COMPLETION. SECURE SEED WITH A THERMALLY-TREATED 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.
6. INSTALL OTHER 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.
7. ESTABLISH DESIGNATED VEHICULAR TRAFFIC ACCESS ROADS (GRAVEL, OR COMPACTED NATIVE SOIL, PER PLANS) THAT SHALL BE USED AS PRIMARY ACCESSES. EFFORTS MUST BE MADE TO MINIMIZE VEHICULAR TRAFFICKING ACROSS NON-DESIGNATED AREAS TO THE EXTENTS POSSIBLE.

CONSTRUCTION SEQUENCE

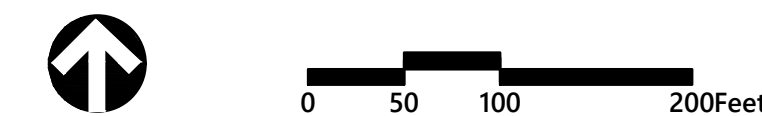
1. PERFORM MASS EARTHWORK.
2. TOPSOIL SHALL BE REPLACED TO 3" MINIMUM DEPTH OVER REGRADED AREAS UPON COMPLETION OF MASS EARTHWORK ACTIVITIES AND AREAS WHICH WERE DISTURBED BY MASS EARTHWORK OPERATIONS SHALL BE RESEED WITHIN 10 DAYS OF COMPLETION.
3. DRIVE PILES FOR SOLAR PANEL RACKING.
4. THE INSTALLATION OF RACKING SHALL FOLLOW THE PILE DRIVING BY ROUGHLY ONE WEEK STARTING FROM THE SAME POINT.
5. 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.
6. 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.
7. UPON COMPLETION OF CONSTRUCTION, RE-SEED ALL DISTURBED AREAS WITHIN 10 DAYS AND PREVENT VEHICULAR TRAFFICKING OVER THESE AREAS. INSTALL FINAL LANDSCAPING.
8. 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.



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860.807.4300



Key
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Photovoltaic Installation
227 Boombridge Road
North Stonington, Connecticut

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1	CSC Comments	8/17/2020	SJK

Designed by: KJT
Checked by: SJK
Issued for: Application
Date: May 29, 2020

Not Approved for Construction
Erosion and Sediment
Control Plan - Overall

Drawing Number

C-5.0

Sheet 9 of 13

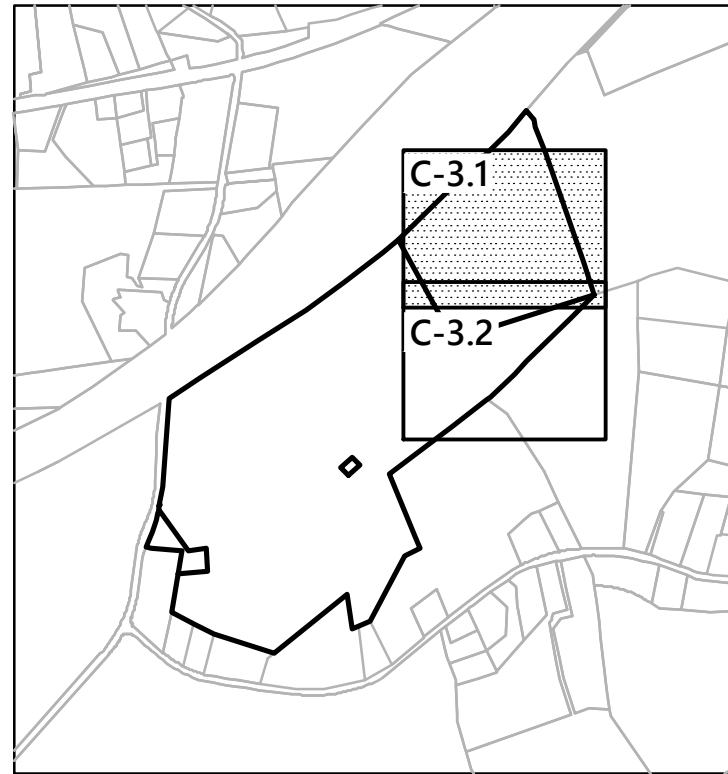
Project Number
42517.01

INTERSTATE 95

A 1966 STATE HIGHWAY LAYOUT



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Photovoltaic Installation

227 Boombridge Road
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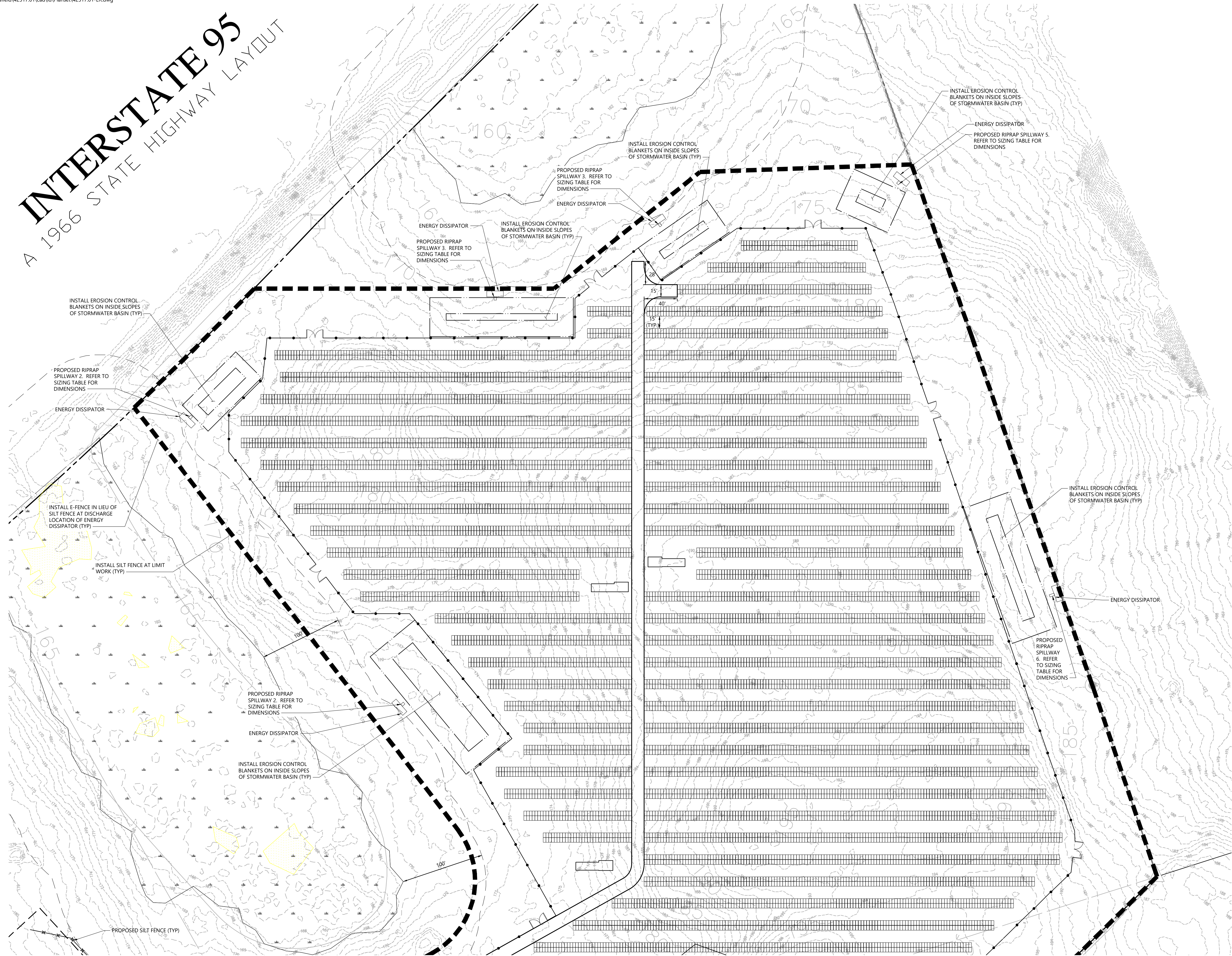
Application

Not Approved for Construction
Erosion and Sediment
Control Plan

C-5.1

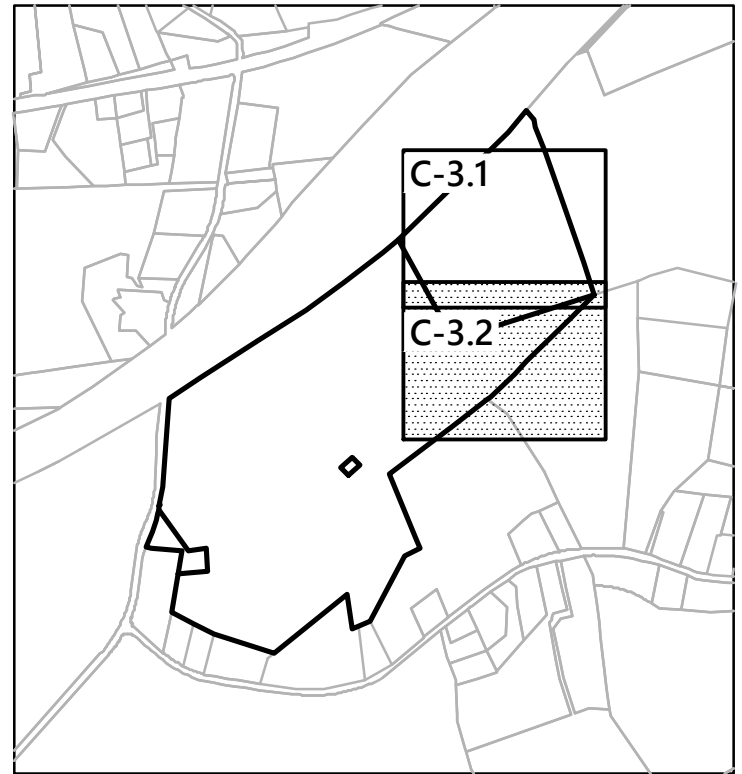
Sheet of
10 13

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227 Boombridge Road
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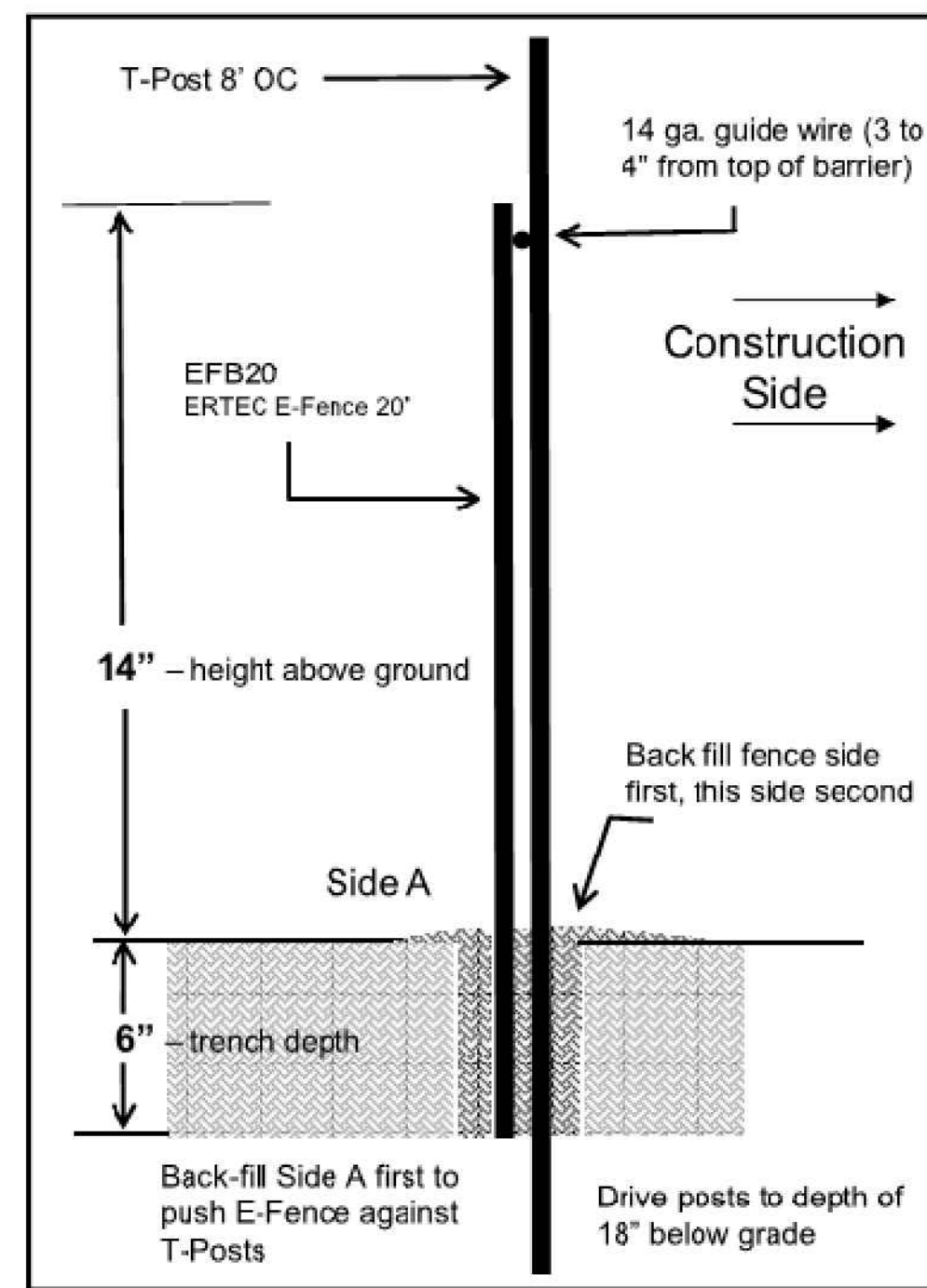
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C-5.2

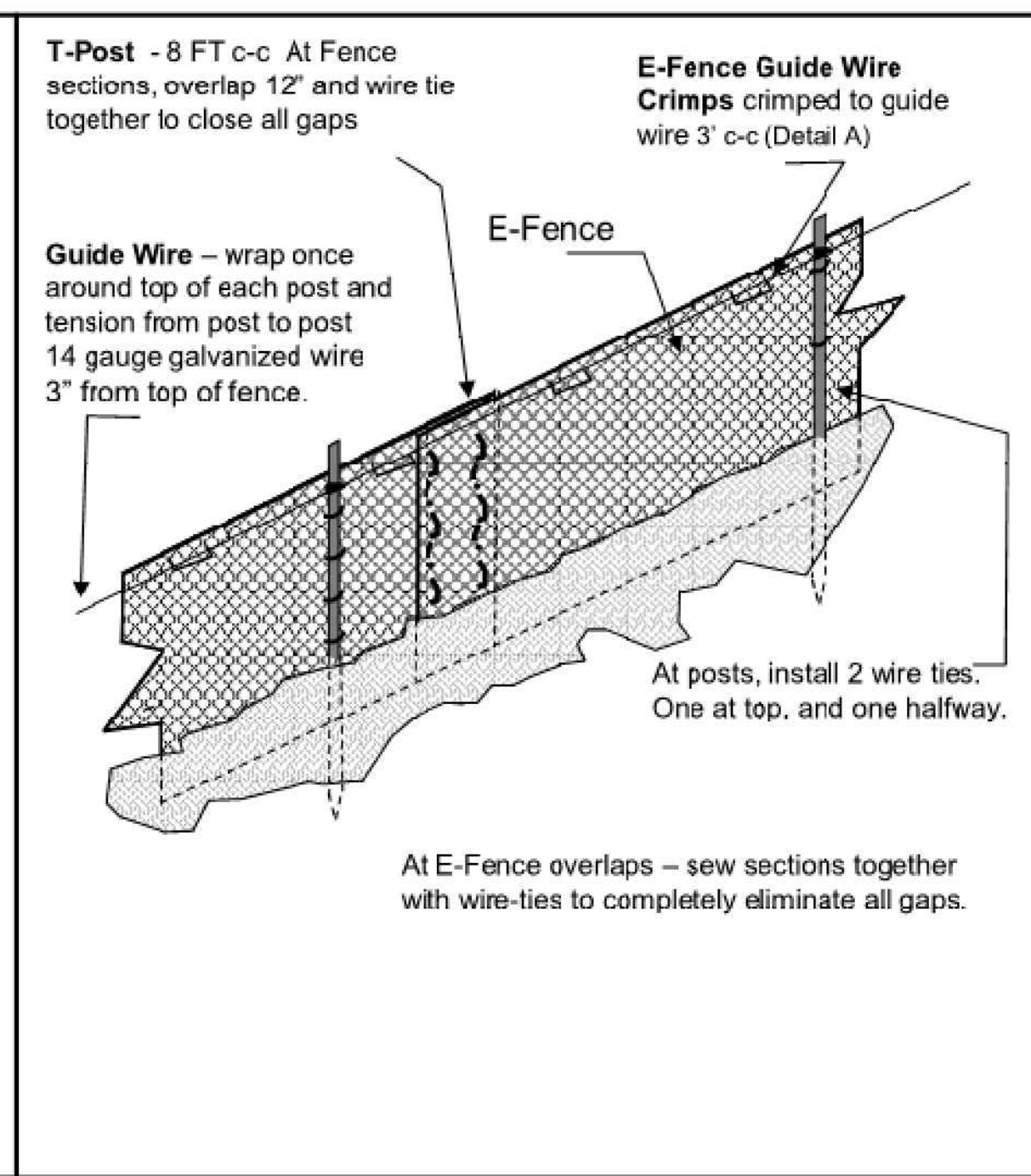
Sheet 11 of 13

Project Number
42517.01

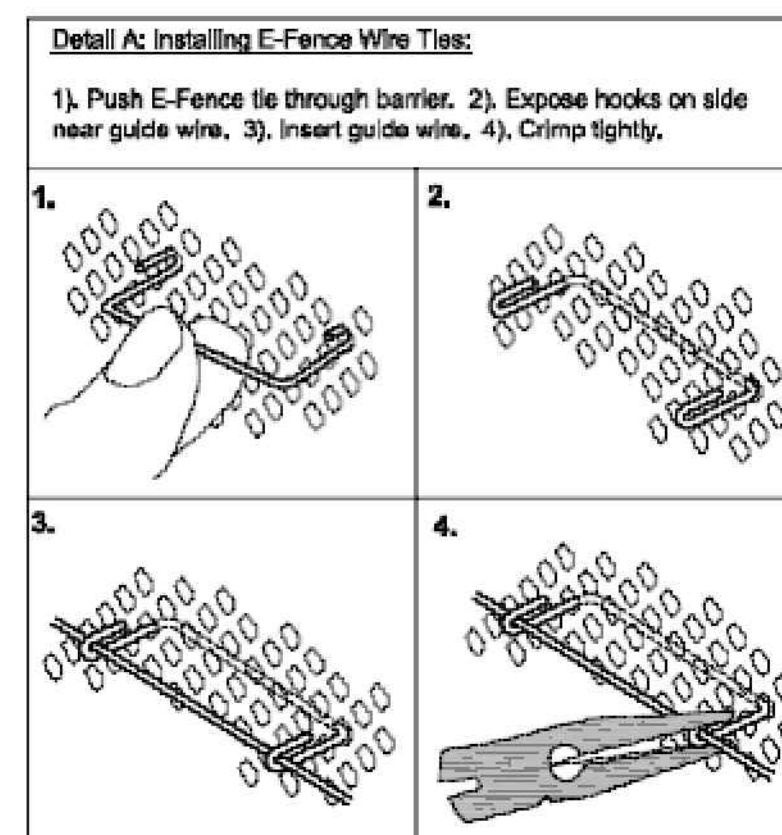
E-Fence DETAILS – Wildlife Exclusion - WPT



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

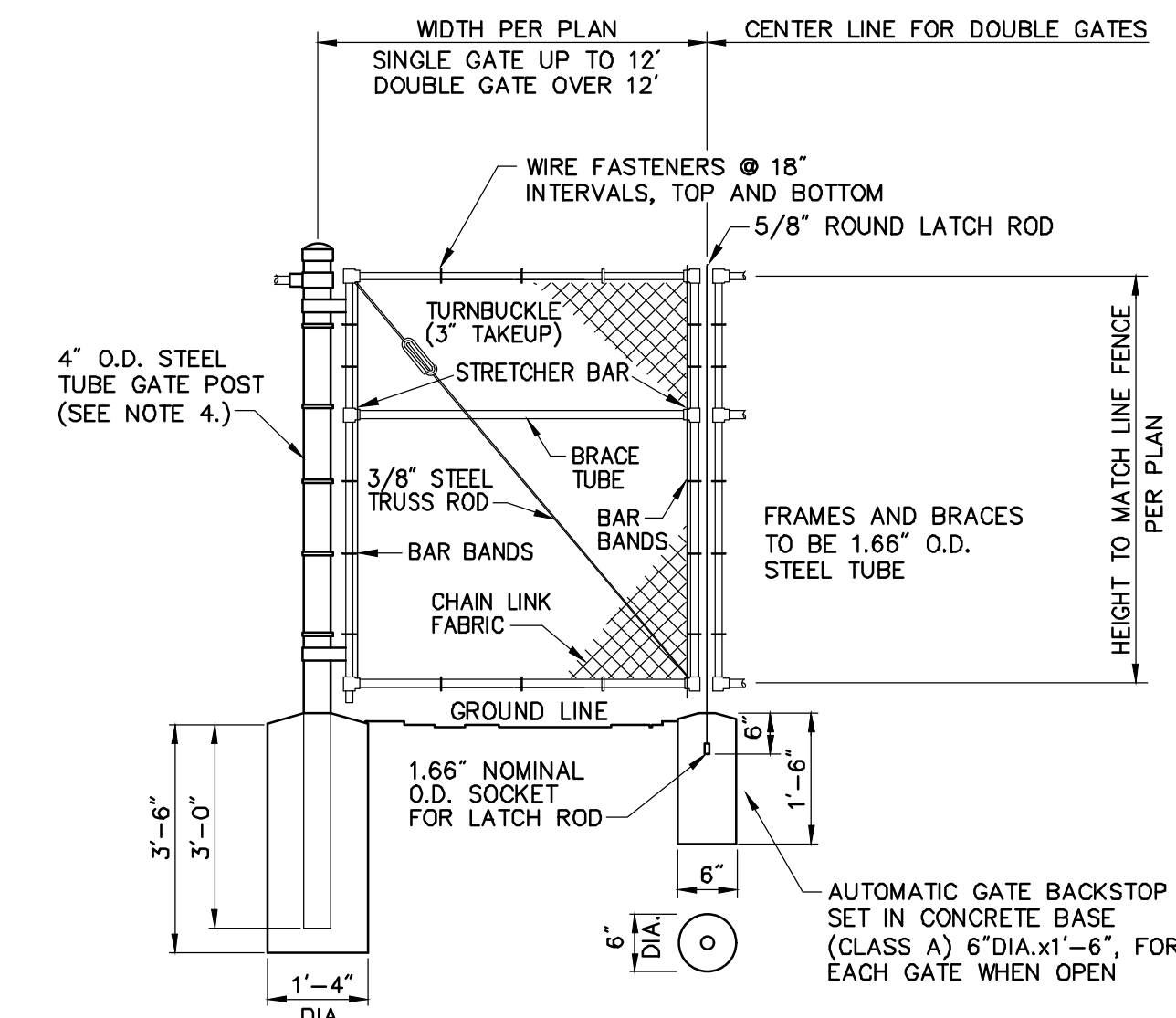


E-Fence DETAILS – Guidewire Crimp



E-Fence™ DETAILS – Wildlife Exclusion

- Installation Notes:**
1. Excavate a trench a minimum of 4" wide and a minimum of 5" deep.
 2. 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
 3. Insert barrier material into trench and attach to post in two places: 1) at 3" below top of fence and at 2) mid-height
 4. 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.
 5. 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.
 6. 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.
 7. 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:

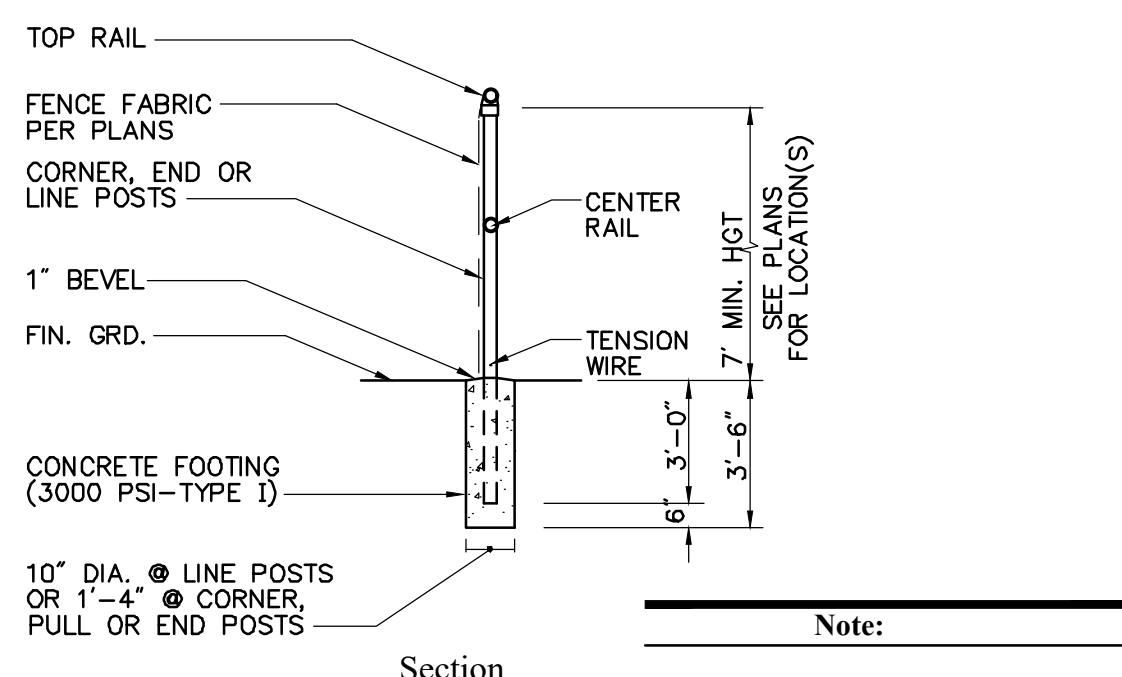
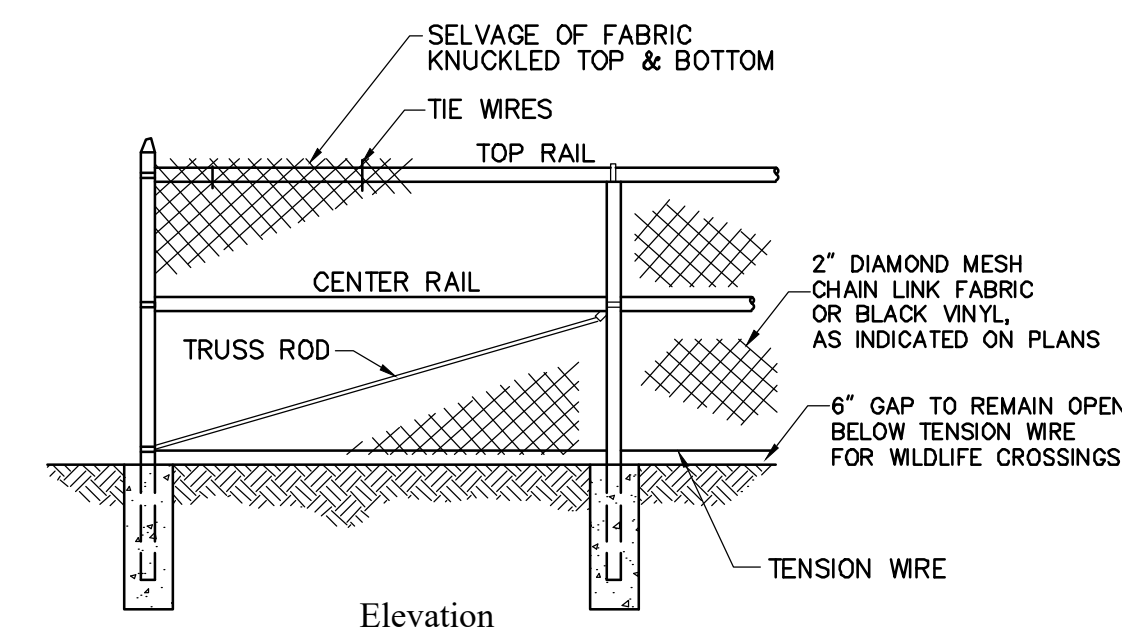
1. CHAIN LINK FABRIC FOR GATES TO BE THE SAME AS REQUIRED FOR FENCE.
2. GATE POST BASE—PORTLAND CEMENT CONCRETE (3000 PSI).
3. FENCE FABRIC, POSTS, FRAMEWORKS, AND HARDWARE SHALL BE GALVANIZED STEEL OR BLACK VINYL (AS INDICATED ON PLANS) PER SPECIFICATIONS.
4. GATE POSTS TO BE USED ON EACH SIDE OF SINGLE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

Chain Link Fence Gate

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

E-Fence Installation Details

N.T.S. Source: Ertec Environmental Systems



1. 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



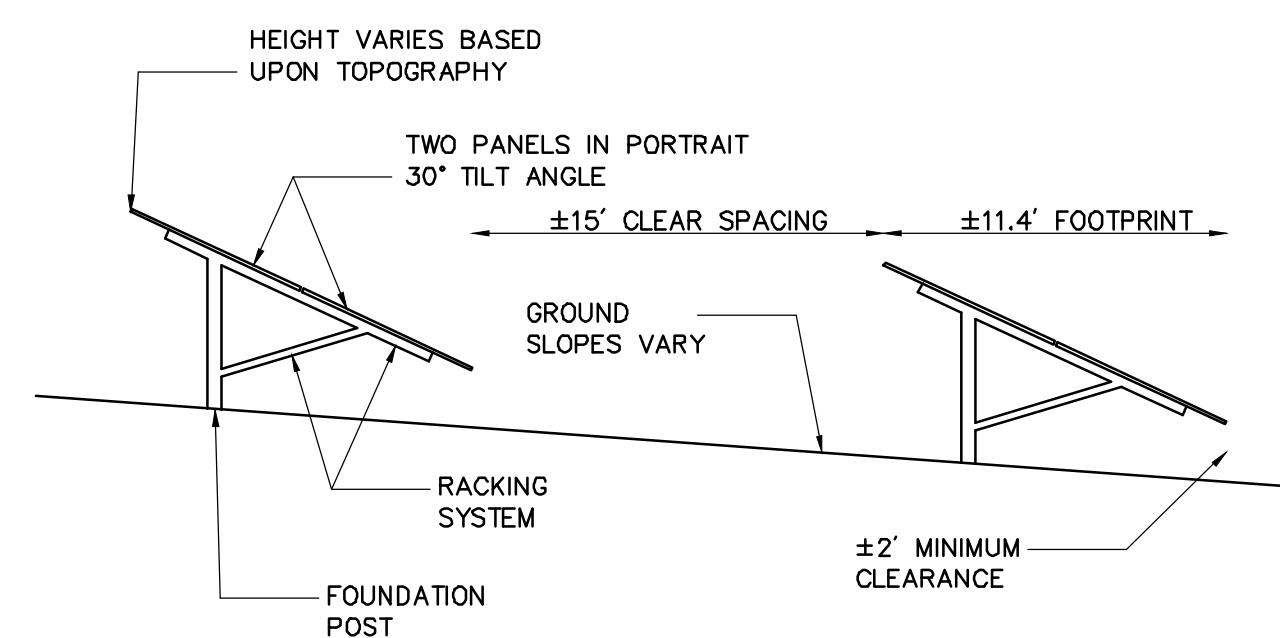
PHOTOVOLTAIC INSTALLATION
Site Location: 227 Boombridge Road, North Stonington, CT 06359
Owner: Greenskies Clean Energy, LLC
Attn: Christopher Ross
180 Johnson Street
Middletown, CT 06457
IN CASE OF EMERGENCY CALL 911
NORTH STONINGTON POLICE DEPARTMENT - (860)535-1451

Notes:

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

Danger and Site Facility Signs

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



Notes:

1. 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 Panel Array

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

Photovoltaic Installation

227 Boombridge Road
North Stonington, Connecticut

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Application Date: May 29, 2020

Not Approved for Construction

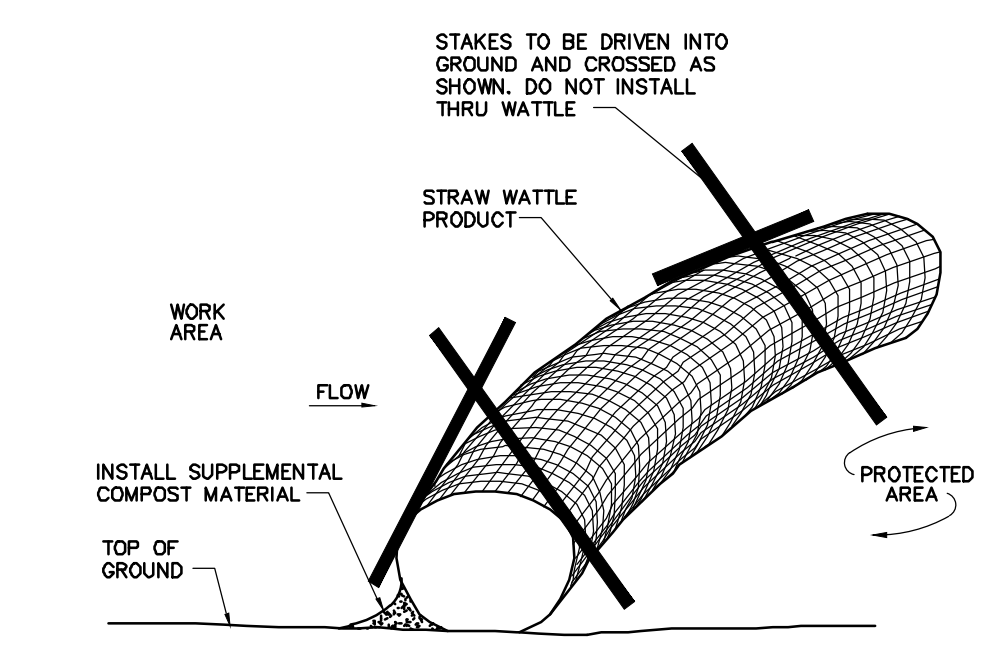
Site Details

Drawing Number

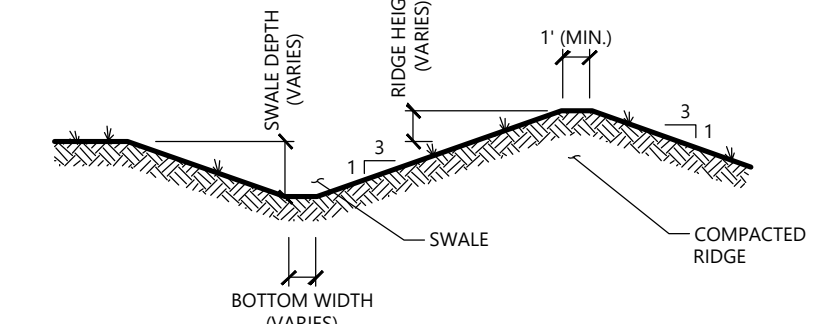
C-6.1

Sheet 12 of 13

Project Number: 42517.01

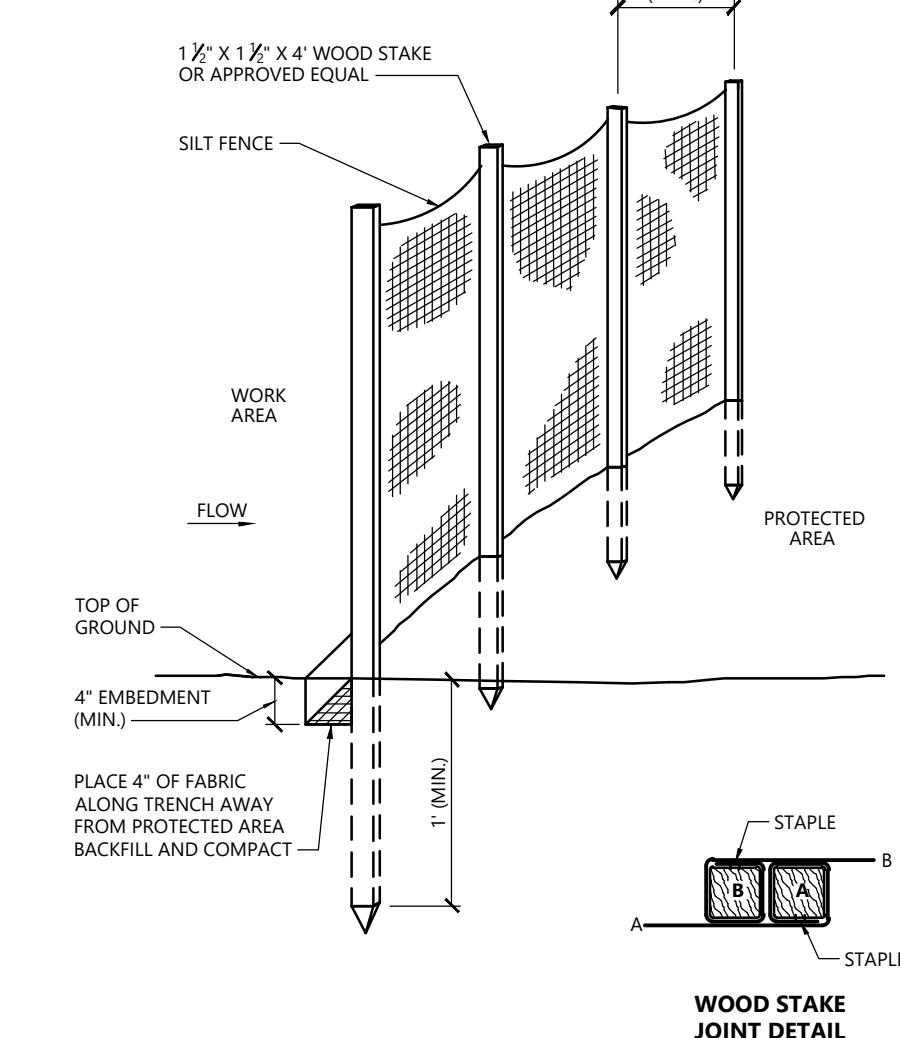


Straw Wattle Installation 6/12
N.T.S. Source: VHB LD..658

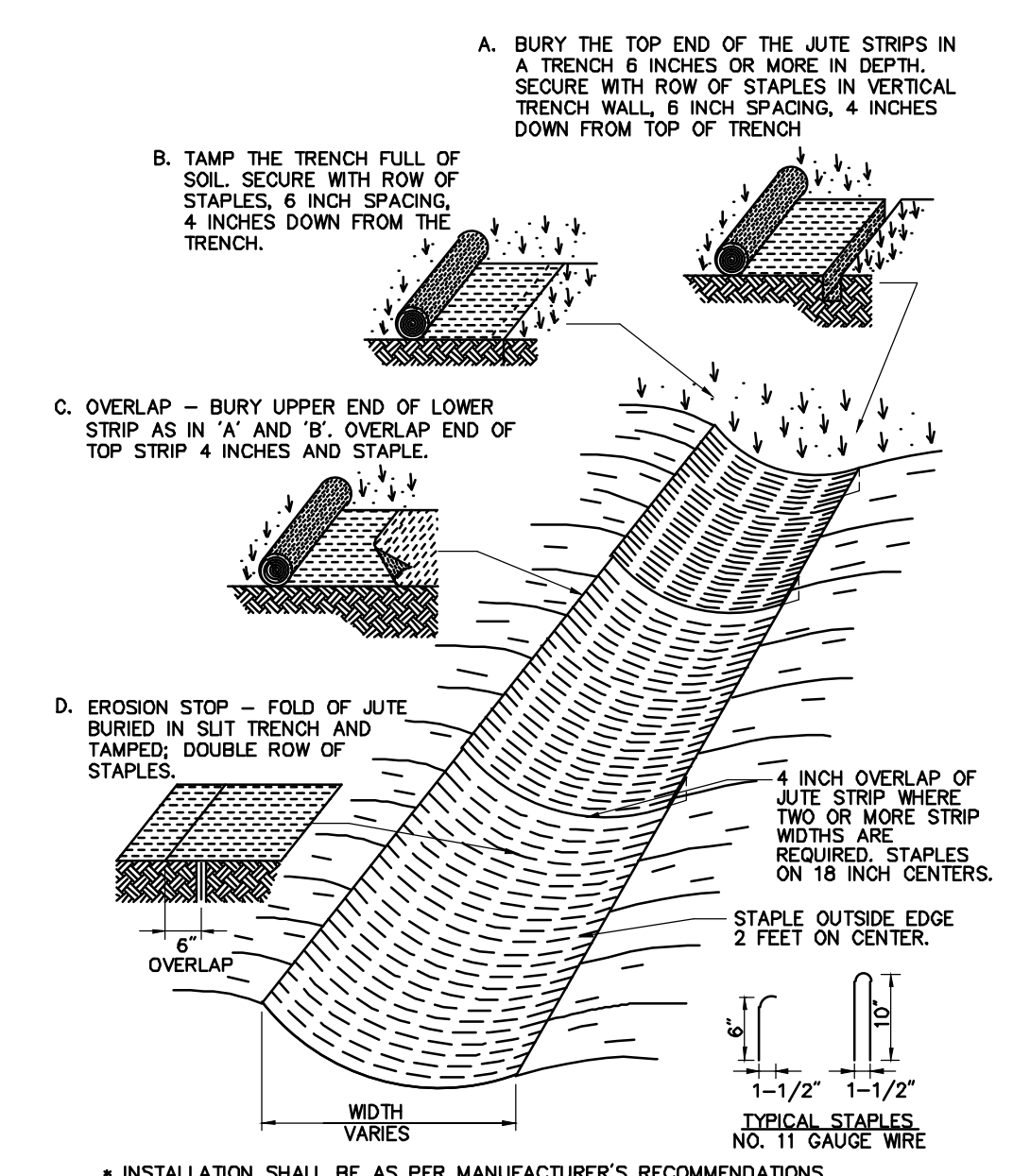


NOTE:
1. ALL SIDE SLOPES SHALL NOT EXCEED 3:1
2. REFER TO "DIVERSION SWALE SIZING" TABLE FOR SELECTION OF LINING MATERIAL TO BE INSTALLED OVER ENTIRE SWALE AREA.
3. REFER TO "DIVERSION SWALE SIZING" TABLE FOR VARIABLE SIZING.
4. THE INTENT IS TO USE THE MATERIAL EXCAVATED FROM THE SWALE TO CONSTRUCT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

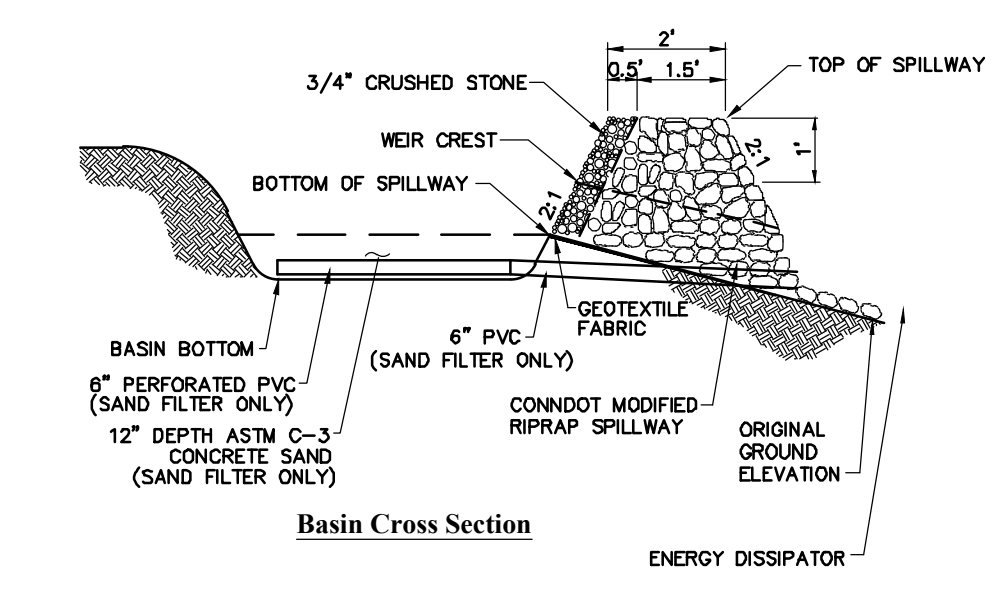
Diversion Swale
N.T.S. Source: VHB



Silt Fence Barrier 1/16
N.T.S. Source: VHB LD..650

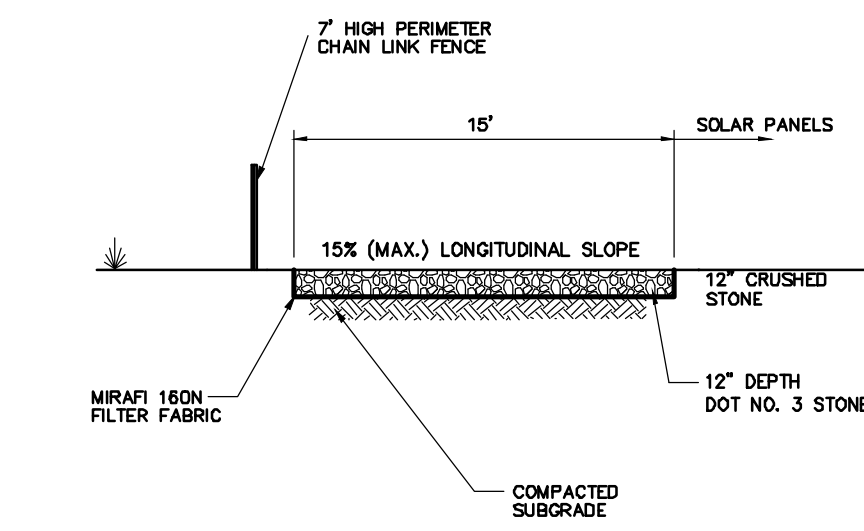


Erosion Control Blanket Swale Installation 6/08
N.T.S. Source: VHB LD..681



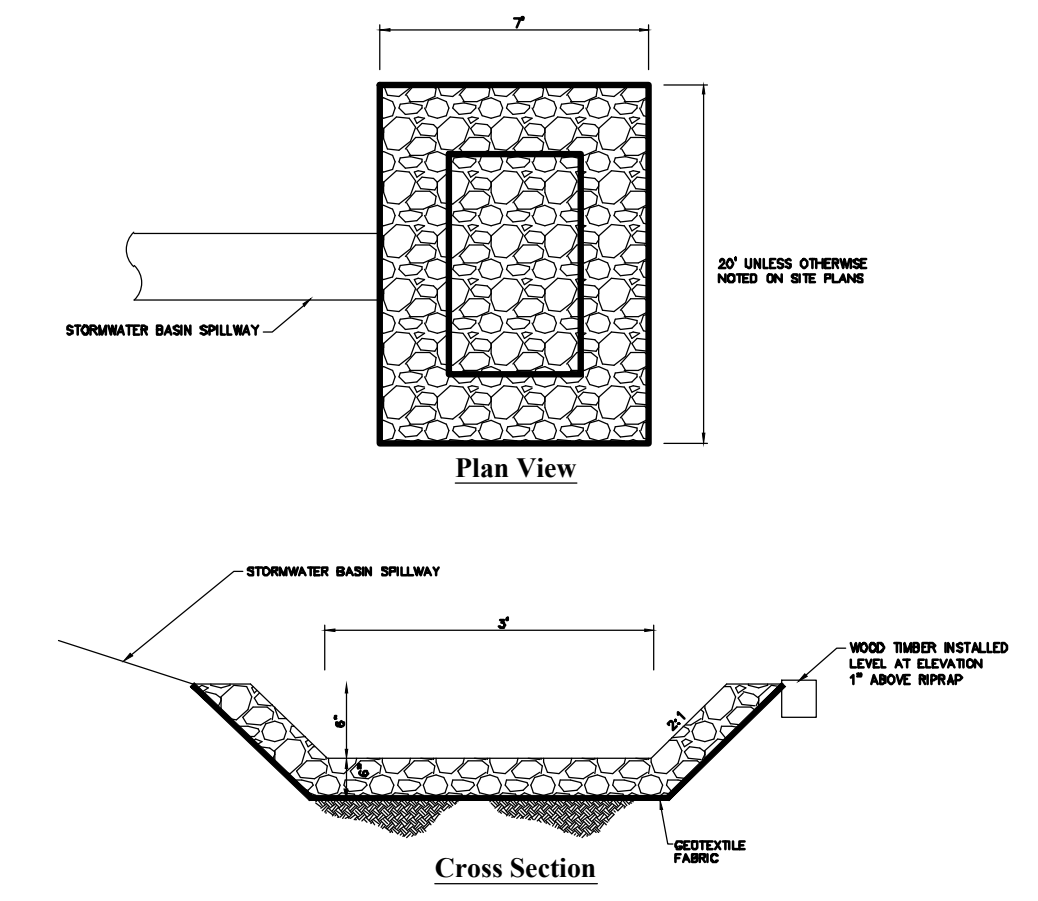
NOTE:
1. ALL SIDE SLOPES SHALL NOT EXCEED 3:1
2. TOP OF EMBANKMENT SHALL BE 2\"/>

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



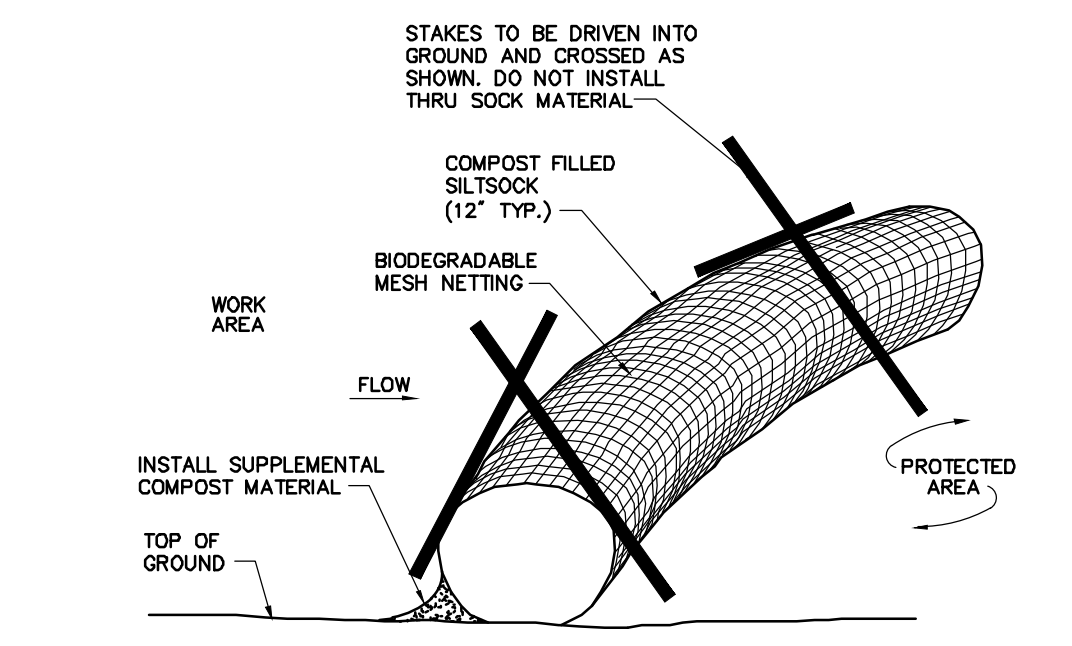
NOTE:
1. CRUSHED STONE SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE CONNECTICUT DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION.
2. ON-SITE ROCK MATERIAL SHALL BE CRUSHED AND USED IN THE CONSTRUCTION OF ACCESS ROAD TO THE MAXIMUM EXTENTS FEASIBLE.

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



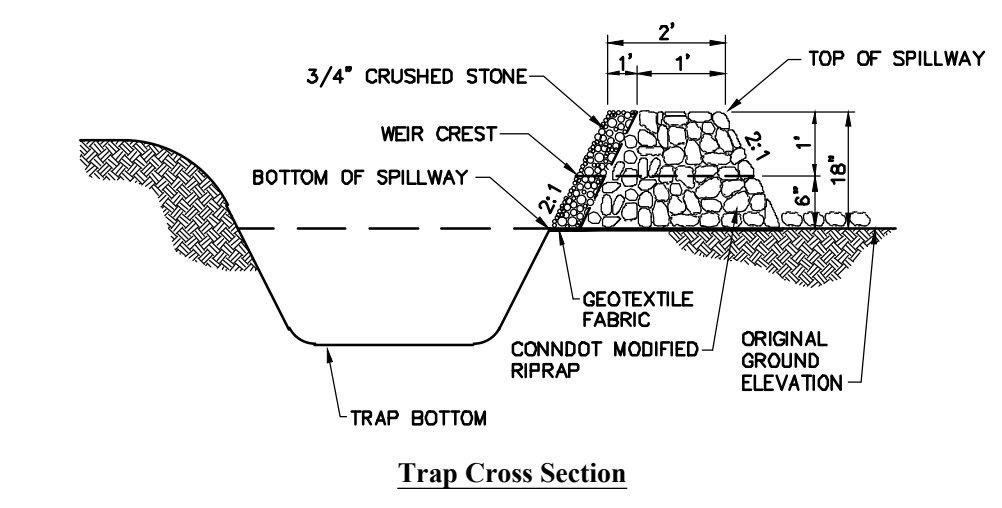
NOTE:
1. SHALL BE INSTALLED AT THE OUTLET FROM EACH STORMWATER BASIN SPILLWAY.

Energy Dissipator
N.T.S. Source: VHB



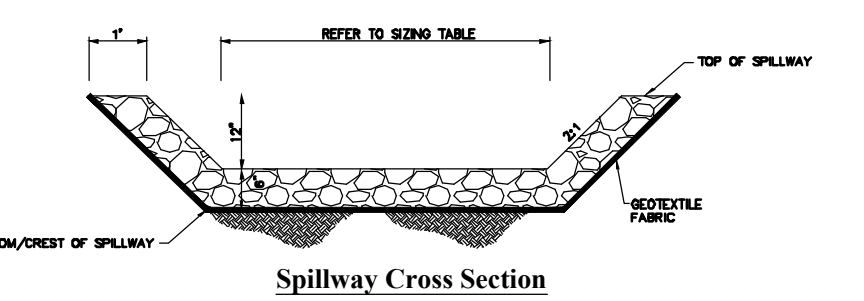
Notes:
1. SILT SOCK SHALL BE 12\"/>

Compost Filter Sock (CFS) 8/12
N.T.S. Source: VHB LD..658



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\"/>

Temporary 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\"/>

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

PERMANENT STORMWATER BASIN SIZING							
NUMBER	LENGTH AT BASIN BOTTOM (TDE OF SLOPE), FT	WIDTH AT BASIN BOTTOM (TDE 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	44	31	3:1	167.5	172.3	4	173.5
2	64	17	3:1	166.0	169.5	4	172.5
3	134	8	3:1	165.0	170.5	4	171.5
4	65	11	3:1	165.0	170.0	4	171.0
5	32	17	3:1	168.0	173.0	4	174.0
6	131	15	3:1	175.0	180.5	6	182.0
7	143	31	3:1	167.0	170.8	4	171.5
8	30	10	3:1	163.5	168.5	4	170.0
9	168	40	3:1	168.0	171.5	7	172.0

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

DIVERSION SWALE SIZING						
NAME	APPROXIMATE TRIBUTARY AREA, AC	APPROXIMATE LENGTH, FT	BOTTOM WIDTH, FT	SIDE SLOPES	SWALE DEPTH, FT	LINING MATERIAL
1-1	2.2	175	1	3:1	1.5	ECB
1-1	0.2	100	1	3:1	1	ECB
2-1	0.2	175	1	3:1	1	ECB
3-1	0.2	100	1	3:1	1	ECB
3-2	0.5	25	1	3:1	1	ECB
4-1	0.6	50	1	3:1	1	ECB
4-2	0.3	90	1	3:1	1	ECB
5-1	0.2	50	1	3:1	1	ECB
5-2	0.3	175	1	3:1	1	ECB
6-1	0.2	70	1	3:1	1	ECB
6-2	0.7	250	1	3:1	1	ECB
7-1	0.4	210	1	3:1	1	ECB
8-1	0.2	40	1	3:1	1	ECB

Photovoltaic Installation
227 Boombridge Road
North Stonington, Connecticut

No.	Revision	Date	Appr.
1	CSC Comments	8/17/2020	SJK

Designed by: KJT
Checked by: SJK
Application Date: May 29, 2020

Not Approved for Construction

Site Details