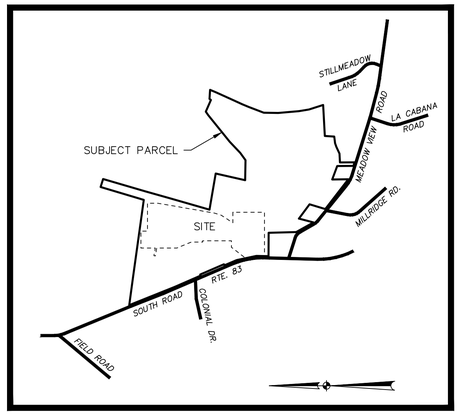
Somers Solar

159 South Road
Somers, Connecticut



KEY PLAN MAP
1"=1000'

Applicant

Santa Fuel, Inc.
154 Admiral Street
Bridgeport, CT 06605

Owner

Nancy B. Edgar Revocable Trust
& Dianne Bordeaux Lenti
11 Mountain View Road
Somers, CT 06071

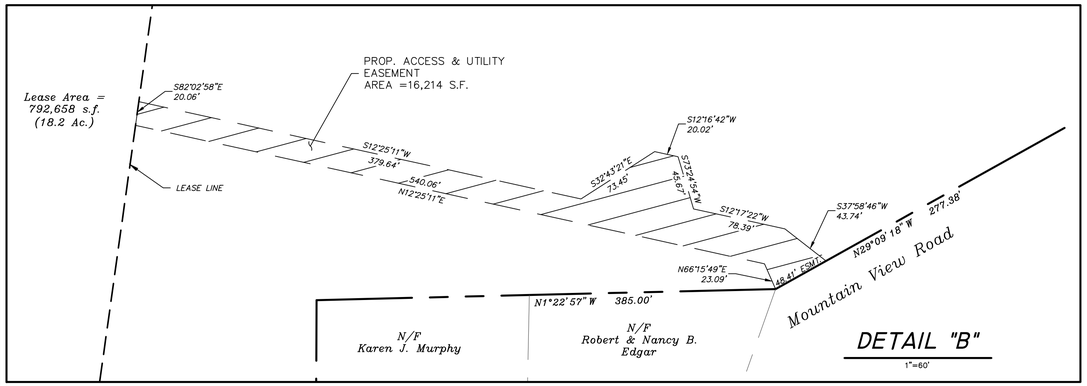
Prepared By

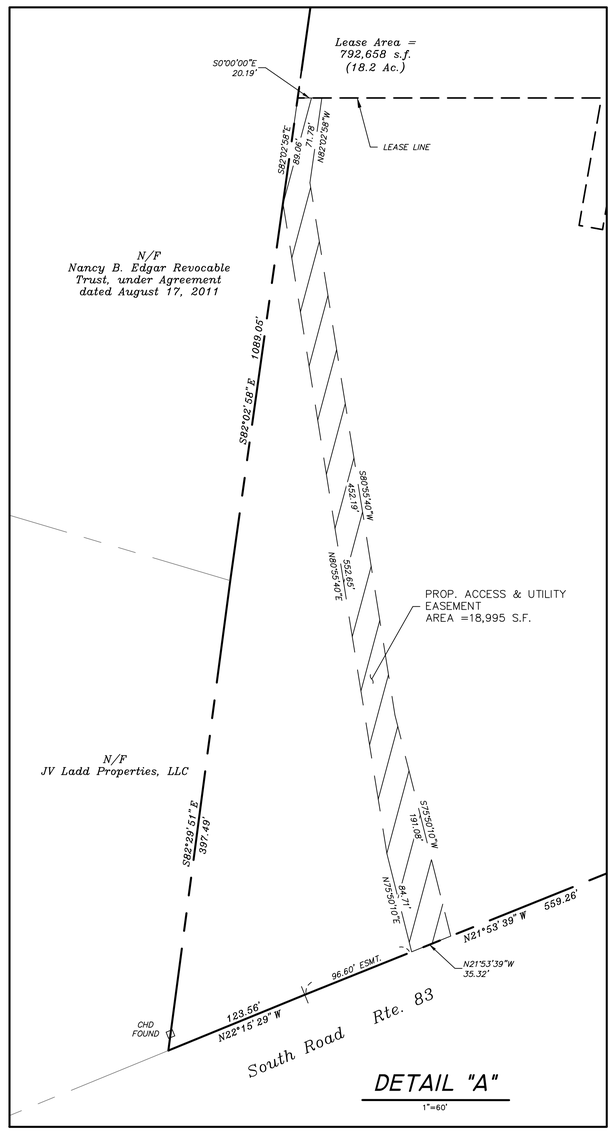
RUSSO
SURVEYORS · ENGINEERS
SERVING CT & MA

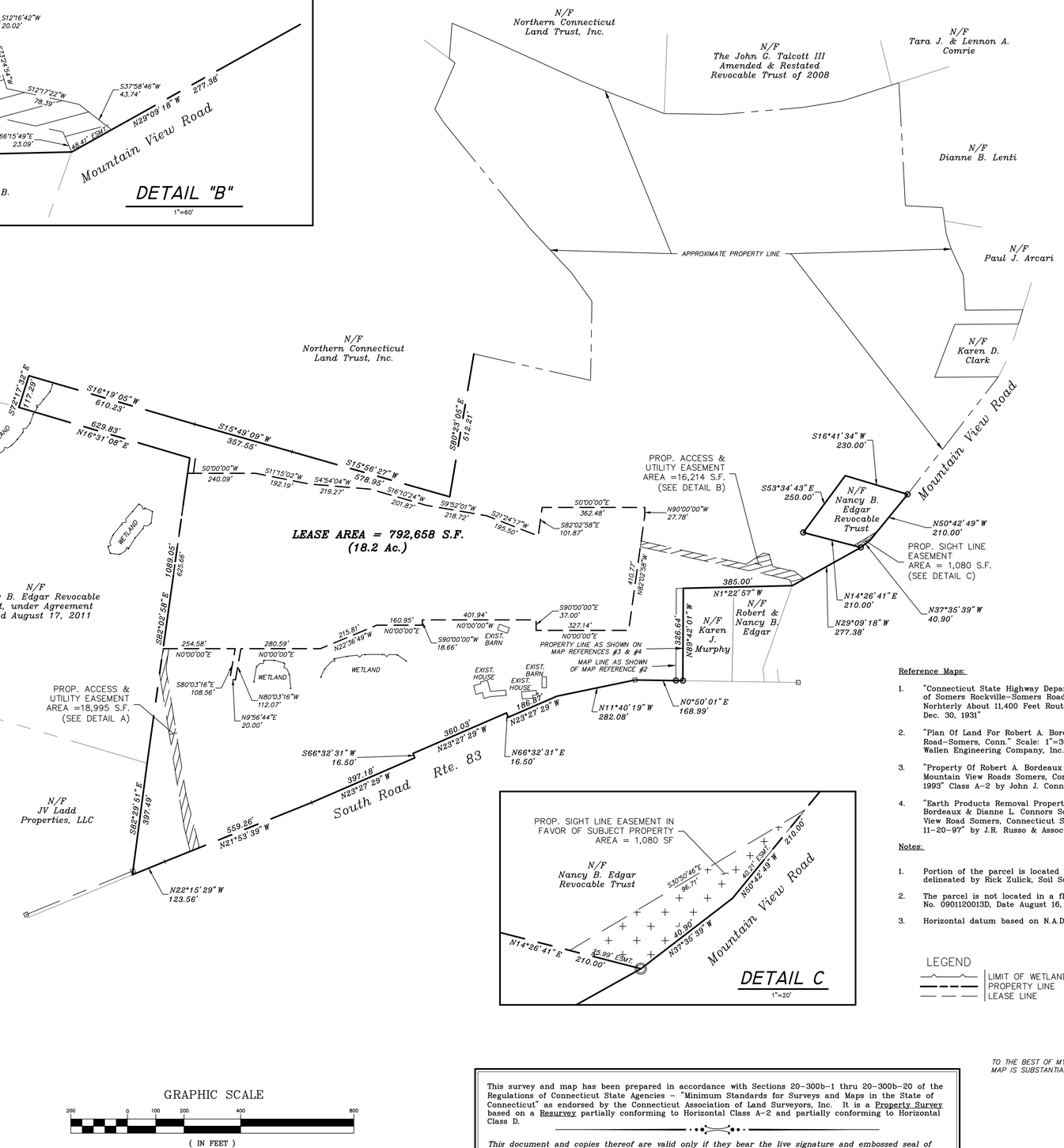
J.R. Russo & Associates, LLC
P.O. Box 938, 1 Shoham Rd East Windsor, CT 06088
www.jrrusso.com · CT 860.623.0569 · MA 413.785.1158

DRAWING INDEX

S:\Acad\2023 Civil 3D\2023-001 Louth Callan Renewables\Russo Drawings\2023-001.dwg







GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)

1 inch = 200 ft.

Reference Maps:

1. "Connecticut State Highway Department Right of Way Map Town of Somers Rockville–Somers Road From The Ellington Town Line Norhterly About 11,400 Feet Route No. 108 Scale 1"=40' Date: Dec. 30, 1931"
2. "Plan Of Land For Robert A. Bordeaux Mountain View Road–Somers, Conn." Scale: 1"=30'–0" June 23, 1966 Smith & Wallen Engineering Company, Inc.
3. "Property Of Robert A. Bordeaux & Dianne L. Connors South & Mountain View Roads Somers, Conn. Scale: 1"=100' September, 1993" Class A–2 by John J. Connolly, Jr., L.S.
4. "Earth Products Removal Property Of Robert A. & Maire D. Bordeaux & Dianne L. Connors South Road Rte. 83 & Mountain View Road Somers, Connecticut Scale: 1"=100' Date: 3–6–96 Rev. 11–20–97" by J.R. Russo & Associates

Notes:

1. Portion of the parcel is located in inland wetlands as delineated by Rick Zulick, Soil Scientist.
2. The parcel is not located in a flood hazard zone, Firm Panel No. 0901120013D, Date August 16, 2006.
3. Horizontal datum based on N.A.D. 1983.

LEGEND

LIMIT OF WETLANDS
PROPERTY LINE
LEASE LINE

This survey and map has been prepared in accordance with Sections 20–300b–1 thru 20–300b–20 of the Regulations of Connecticut State Agencies – "Minimum Standards for Surveys and Maps in the State of Connecticut" as endorsed by the Connecticut Association of Land Surveyors, Inc. It is a Property Survey based on a Resurvey partially conforming to Horizontal Class A–2 and partially conforming to Horizontal Class D.

This document and copies thereof are valid only if they bear the live signature and embossed seal of the designated professional. Unauthorized alterations render any declaration hereon null and void.

TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

RUSSO
SURVEYORS · ENGINEERS
SERVING CT & MA
J.R. Russo & Associates, LLC
PO Box 938, 1 Shoham Rd East Windsor, CT 06088
www.jrrusso.com - CT 860.623.0569 - MA 413.785.1158

Applicant
Santa Fuel, Inc.
154 Admiral Street
Bridgeport, CT 06605

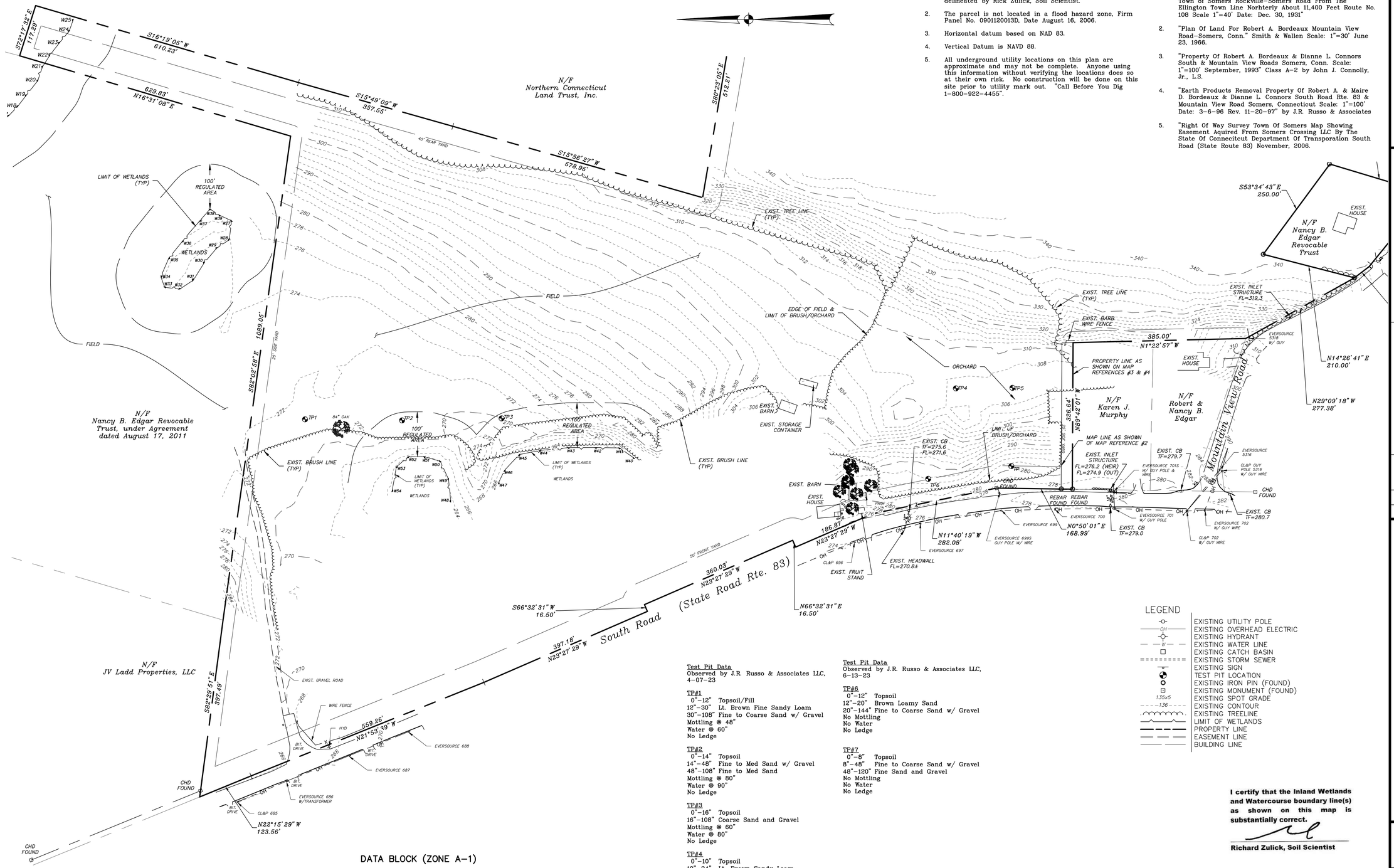
REVISIONS	
BY: LF/TAC	CHK: JEU
9–12–24	ADDRESS SITING COUNCIL COMMENTS
10–11–23	LEASE AREA

Somers Solar
159 South Road
Somers, Connecticut
Map 05 Lot 73 Zone: A–1

Boundary Survey

DATE	9–14–23
SCALE	1"=200'
JOB NUMBER	2023–001
SHEET	2 of 8

S:\Acad\2023 Civil 3D\2023-001 Louth Callan Renewables\Russo Drawings\2023-001.dwg



Notes:

1. Portion of the parcel is located in inland wetlands as delineated by Rick Zulick, Soil Scientist.
2. The parcel is not located in a flood hazard zone, Firm Panel No. 0901120013D, Date August 16, 2006.
3. Horizontal datum based on NAD 83.
4. Vertical Datum is NAVD 88.
5. All underground utility locations on this plan are approximate and may not be complete. Anyone using this information without verifying the locations does so at their own risk. No construction will be done on this site prior to utility mark out. "Call Before You Dig 1-800-922-4455".

Reference Maps:

1. "Connecticut State Highway Department Right of Way Map Town of Somers Rockville-Somers Road From The Ellington Town Line Norhterly About 11,400 Feet Route No. 108 Scale 1"=40' Date: Dec. 30, 1931"
2. "Plan Of Land For Robert A. Bordeaux Mountain View Road-Somers, Conn." Smith & Wallen Scale: 1"=30' June 23, 1966.
3. "Property Of Robert A. Bordeaux & Dianne L. Connors South & Mountain View Roads Somers, Conn. Scale: 1"=100' September, 1993" Class A-2 by John J. Connolly, Jr., L.S.
4. "Earth Products Removal Property Of Robert A. & Maire D. Bordeaux & Dianne L. Connors South Road Rte. 83 & Mountain View Road Somers, Connecticut Scale: 1"=100' Date: 3-6-96 Rev. 11-20-97" by J.R. Russo & Associates
5. "Right Of Way Survey Town Of Somers Map Showing Easement Aquired From Somers Crossing LLC By The State Of Connecitcut Department Of Transporation South Road (State Route 83) November, 2006.

Test Pit Data
Observed by J.R. Russo & Associates LLC, 4-07-23

TP#1
0"-12" Topsoil/Fill
12"-30" Lt. Brown Fine Sandy Loam
30"-108" Fine to Coarse Sand w/ Gravel
Mottling @ 48"
Water @ 60"
No Ledge

TP#2
0"-14" Topsoil
14"-48" Fine to Med Sand w/ Gravel
48"-106" Fine to Med Sand
Mottling @ 80"
Water @ 90"
No Ledge

TP#3
0"-16" Topsoil
16"-108" Coarse Sand and Gravel
Mottling @ 60"
Water @ 80"
No Ledge

TP#4
0"-10" Topsoil
10"-24" Lt. Brown Sandy Loam
24"-108" Coarse Sand and Gravel
No Mottling
No Water
No Ledge

TP#5
0"-11" Topsoil
11"-24" Lt. Brown Sandy Loam
24"-66" Coarse Sand and Gravel
No Mottling
No Water
Refusal @ 66"

Test Pit Data
Observed by J.R. Russo & Associates LLC, 6-13-23

TP#6
0"-12" Topsoil
12"-20" Brown Loamy Sand
20"-144" Fine to Coarse Sand w/ Gravel
No Mottling
No Water
No Ledge

TP#7
0"-8" Topsoil
8"-48" Fine to Coarse Sand w/ Gravel
48"-120" Fine Sand and Gravel
No Mottling
No Water
No Ledge

DATA BLOCK (ZONE A-1)

	REQUIREMENT
MIN. FRONTAGE:	175'
MIN. AREA:	40,000 S.F.
FRONT YARD:	50'
SIDE YARD:	25'
REAR YARD:	40'
MAX. LOT COVERAGE:	25%

GRAPHIC SCALE
100 0 50 100 200 400
(IN FEET)
1 inch = 100 ft.

LEGEND

- EXISTING UTILITY POLE
- EXISTING OVERHEAD ELECTRIC
- EXISTING HYDRANT
- EXISTING WATER LINE
- EXISTING CATCH BASIN
- EXISTING STORM SEWER
- EXISTING SIGN
- TEST PIT LOCATION
- EXISTING IRON PIN (FOUND)
- EXISTING MONUMENT (FOUND)
- EXISTING SPOT GRADE
- EXISTING CONTOUR
- EXISTING TREELINE
- LIMIT OF WETLANDS
- PROPERTY LINE
- EASEMENT LINE
- BUILDING LINE

I certify that the Inland Wetlands and Watercourse boundary line(s) as shown on this map is substantially correct.

Richard Zulick, Soil Scientist

TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

This survey and map has been prepared in accordance with Sections 20-300b-1 thru 20-300b-20 of the Regulations of Connecticut State Agencies – "Minimum Standards for Surveys and Maps in the State of Connecticut" as endorsed by the Connecticut Association of Land Surveyors, Inc. It is a Property Survey based on a Resurvey partially conforming to Horizontal Class A-2 and partially to Horizontal Class D & a Topographic Survey conforming to Class T-2.

This document and copies thereof are valid only if they bear the live signature and embossed seal of the designated professional. Unauthorized alterations render any declaration hereon null and void.

RUSSO
SURVEYORS-ENGINEERS
SERVING CT & NM
J.R. Russo & Associates, LLC
PO Box 938, 1 Shoham Rd East Windsor, CT 06088
www.jrrusso.com - CT 860.623.0569 - NM 413.785.1158

Applicant
Santa Fuel, Inc.
154 Admiral Street
Bridgeport, CT 06605

REVISIONS		
9-12-24	ADDRESS, SITING COUNCIL COMMENTS	
BY: LF/JU	CHK: JEU	

Somers Solar
159 South Road
Somers, Connecticut
Map 05 Lot 73 Zone: A-1

Existing Conditions Plan

DATE
9-14-23
SCALE
1"=100'
JOB NUMBER
2023-001
SHEET
3 of 8

S:\Acad\2023 Civil 3D\2023-001 Louth Callan Renewables\Russo Drawings\2023-001.dwg

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

S:\Acad\2023 Civil 3D\2023-001 Louth Callan Renewables\Russo Drawings\2023-001.dwg

RUSSO
SURVEYORS-ENGINEERS
SERVING CT & MA

J.R. Russo & Associates, LLC
PO Box 938, 1 Shoham Rd East Windsor, CT 06088
www.jrrusso.com - CT 860.623.0569 - MA 413.785.1158

Applicant
Santa Fuel, Inc.
154 Admiral Street
Bridgeport, CT 06605

REVISIONS	
BY: LF/TAC	CHK: JEU
9-12-24	ADDRESS SITING COUNCIL COMMENTS

Somers Solar
159 South Road
Somers, Connecticut
Map 05 Lot 73 Zone: A-1

Overall Aerial Site Plan

DATE	9-14-23
SCALE	1"=200'
JOB NUMBER	2023-001
SHEET	4 of 8

EROSION & SEDIMENT CONTROL PLAN KEY

PS	PERMANENT SEEDING
TS	TEMPORARY SEEDING
SB	SEDIMENT BARRIER
OP	OUTLET PROTECTION
RR	RIPRAP

DATA BLOCK (ZONE A–1)

	REQUIREMENT
MIN. FRONTAGE:	175'
MIN. AREA:	40,000 S.F.
FRONT YARD:	50'
SIDE YARD:	25'
REAR YARD:	40'
MAX. LOT COVERAGE:	25%

LEGEND

- EXISTING UTILITY POLE
- PROPOSED UTILITY POLE
- EXISTING OVERHEAD ELECTRIC
- PROPOSED OVERHEARD ELECTRIC
- PROPOSED UNDERGROUND ELECTRIC
- EXISTING HYDRANT
- EXISTING WATER LINE
- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN
- PROPOSED YARD DRAIN
- PROPOSED DRAINAGE MANHOLE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING SIGN
- TEST PIT LOCATION
- EXISTING IRON PIN (FOUND)
- PROPOSED IRON PIN (TO BE SET)
- PROPOSED MONUMENT (TO BE SET)
- EXISTING MONUMENT (FOUND)
- EXISTING SPOT GRADE
- PROPOSED SPOT GRADE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING TREELINE
- PROPOSED TREELINE
- LIMIT OF WETLANDS
- PROPERTY LINE
- EASEMENT LINE
- BUILDING LINE
- STAKED HAYBALES OR SILT FENCE
- WOODY DEBRIS BERM

PHOTOVOLTAIC MODULES W/ GROUND MOUNT TRACKER SYSTEM, TYP.

24LF OF 9' HIGH ABBC–EXT–R SOUND CURTAIN FROM ACOUSTICAL SOLUTIONS OR EQUIVALENT MOUNTED ON CHAIN LINK FENCE SET 6' FROM INVERTERS

INVERTER BANK 2 (SEE ELECTRICAL DRAWINGS)

EQUIPMENT PAD 2 (SEE ELECTRICAL DRAWINGS)

N/F Northern Connecticut Land Trust, Inc.

MAINTAIN EXISTING GRADES & VEGETATION, TYP.

PERIMETER CHAIN LINK FENCE (4,395 LF)

PROP. TREELINE

EXIST. TREE LINE (TYP)

15' WIDE GRAVEL ACCESS ROAD

127'

137'

125'

26' TYP.

40' REAR YARD

25' SIDE YARD

LIMIT OF WETLANDS (TYP)

100' WETLANDS REGULATED AREA

WETLANDS

11.23'ROW SPACING = 11.23'

PANEL HORIZONTAL PROJECTION = 7.40'

PROP. ARRAY
3.575 MW AC
8,268 MODULES
FENCED AREA = 732,443 SF
(16.81± AC)

MATCHLINE

SB

TEMPORARY TOPSOIL STOCKPILE

TS

300' STONE TRENCH IN BASIN BOTTOM

STORMWATER MANAGEMENT BASIN #1 BOTTOM ELEV.=268.0

SEED STORMWATER MANAGEMENT BASIN & DISTURBED AREAS W/ NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DRY SITES BY NEW ENGLAND WETLAND PLANTS, INC. OR APPROVED EQUAL WITHIN 72 HOURS OF FINAL GRADING

PROTECT TREE

2' WIDE x 2' DEEP VEGETATED SWALE

N/F Nancy B. Edgar Revocable Trust, under Agreement dated August 17, 2011

20' WIDE EARTHEN SPILLWAY TOP ELEV.=271.0

PS

TP1

TP2

TP3

RR

SB

PROP. CLEARING LIMITS, TYP.

FLARED END FL=268.00

156'–30" HDPE S=0.64%

50' MIN.

EXIST. BRUSH LINE (TYP)

FLARED END W/ TYPE 1 PREFORMED SCOUR HOLE FL=267.00

OP

RIPRAP SLOPE PROTECTION AT SPILLWAY OUTLET

RIPRAP CHANNEL INTO BASIN BOTTOM

4' WIDE EARTHEN BERM TOP ELEV.=272.1

PERIMETER SEDIMENT BARRIER, TYP.

ALL DISTURBED AREAS TO BE RESTORED W/ MIN. 6" TOPSOIL, SEED MIX, & STRAW MULCH AS SOON AS PRACTICABLE

EXIST. DRIVE TO BE USED AS CONSTRUCTION ENTRANCE

FIELD

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

Reference Maps:

1. "Connecticut State Highway Department Right of Way Map Town of Somers Rockville–Somers Road From The Ellington Town Line Northerly About 11,400 Feet Route No. 108 Scale 1"=40' Date: Dec. 30, 1931"
2. "Property Of Robert A. Bordeaux & Dianne L. Connors South & Mountain View Roads Somers, Conn. Scale: 1"=100' September, 1993" Class A–2 by John J. Connolly, Jr., L.S.
3. "Earth Products Removal Property Of Robert A. & Maire D. Bordeaux & Dianne L. Connors South Road Rte. 83 & Mountain View Road Somers, Connecticut Scale: 1"=100' Date: 3–6–96 Rev. 11–20–97" by J.R. Russo & Associates

Notes:

1. Portion of the parcel is located in inland wetlands as delineated by Rick Zulick, Soil Scientist.
2. The parcel is not located in a flood hazard zone, Firm Panel No. 0901120013D, Date August 16, 2006.
3. Horizontal datum based on N.A.D. 1983. Elevations based on N.A.V.D. 1988 Datum.
4. All underground utility locations on this plan are approximate and may not be complete. Anyone using this information without verifying the locations does so at their own risk. No construction will be done on this site prior to utility mark out. "Call Before You Dig 1–800–922–4455".

I certify that the Inland Wetlands and Watercourse boundary line(s) as shown on this map is substantially correct.

Richard Zulick, Soil Scientist

TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

This survey and map has been prepared in accordance with Sections 20–300b–1 thru 20–300b–20 of the Regulations of Connecticut State Agencies – "Minimum Standards for Surveys and Maps in the State of Connecticut" as endorsed by the Connecticut Association of Land Surveyors, Inc. It is a Property Survey based on a Resurvey partially conforming to Horizontal Class A–2 and partially to Horizontal Class D & a Topographic Survey conforming to Class T–2.

This document and copies thereof are valid only if they bear the live signature and embossed seal of the designated professional. Unauthorized alterations render any declaration hereon null and void.

RUSSO
SURVEYORS–ENGINEERS
SERVING CT & MA
J.R. Russo & Associates, LLC
PO Box 938, 1 Shoham Rd East Windsor, CT 06088
www.jrrusso.com - CT 860.623.0569 - MA 413.785.1158

Applicant
Santa Fuel, Inc.
154 Admiral Street
Bridgeport, CT 06605

REVISIONS	
BY: LF/TAC	CHK: JEU
9–12–24	ADDRESS: SITING COUNCIL COMMENTS

Somers Solar
159 South Road
Somers, Connecticut
Map 05 Lot 73 Zone: A–1

Site Plan

DATE 9–14–23
SCALE 1"=50'
JOB NUMBER 2023–001
SHEET 5 of 8

S:\Acad\2023 Civil 3D\2023-001 Louth Callan Renewables\Russo Drawings\2023-001.dwg

EROSION & SEDIMENT CONTROL PLAN KEY

PS	PERMANENT SEEDING
TS	TEMPORARY SEEDING
SB	SEDIMENT BARRIER
OP	OUTLET PROTECTION
RR	RIPRAP

LEGEND

- EXISTING UTILITY POLE
- PROPOSED UTILITY POLE
- EXISTING OVERHEAD ELECTRIC
- PROPOSED OVERHEARD ELECTRIC
- PROPOSED UNDERGROUND ELECTRIC
- EXISTING HYDRANT
- EXISTING WATER LINE
- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN
- PROPOSED YARD DRAIN
- PROPOSED DRAINAGE MANHOLE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING SIGN
- TEST PIT LOCATION
- EXISTING IRON PIN (FOUND)
- PROPOSED IRON PIN (TO BE SET)
- PROPOSED MONUMENT (TO BE SET)
- EXISTING MONUMENT (FOUND)
- EXISTING SPOT GRADE
- PROPOSED SPOT GRADE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING TREELINE
- PROPOSED TREELINE
- LIMIT OF WETLANDS
- PROPERTY LINE
- EASEMENT LINE
- BUILDING LINE
- STAKED HAYBALES OR SILT FENCE
- WOODY DEBRIS BERM

Reference Maps:

1. "Connecticut State Highway Department Right of Way Map Town of Somers Rockville–Somers Road From The Ellington Town Line Northerly About 11,400 Feet Route No. 108 Scale 1"=40' Date: Dec. 30, 1931"
2. "Property Of Robert A. Bordeaux & Dianne L. Connors South & Mountain View Roads Somers, Conn. Scale: 1"=100' September, 1993" Class A–2 by John J. Connolly, Jr., L.S.
3. "Earth Products Removal Property Of Robert A. & Maire D. Bordeaux & Dianne L. Connors South Road Rte. 83 & Mountain View Road Somers, Connecticut Scale: 1"=100' Date: 3–6–96 Rev. 11–20–97" by J.R. Russo & Associates

Notes:

1. Portion of the parcel is located in inland wetlands as delineated by Rick Zulick, Soil Scientist.
2. The parcel is not located in a flood hazard zone, Firm Panel No. 0901120013D, Date August 16, 2006.
3. Horizontal datum based on N.A.D. 1983. Elevations based on N.A.V.D. 1988 Datum.
4. All underground utility locations on this plan are approximate and may not be complete. Anyone using this information without verifying the locations does so at their own risk. No construction will be done on this site prior to utility mark out. "Call Before You Dig 1–800–922–4455".

MATCHLINE

EQUIPMENT PAD 1 (SEE ELECTRICAL DRAWINGS)
INVERTER BANK 1 (SEE ELECTRICAL DRAWINGS)
22.5LF OF 8' HIGH ABBC–EXT–R SOUND CURTAIN FROM ACOUSTICAL SOLUTIONS OR EQUIVALENT MOUNTED ON CHAIN LINK FENCE SET 6' FROM INVERTERS
PERIMETER CHAIN LINK FENCE (4,395 LF)
WOODY DEBRIS BERMS SHALL BE REGULARLY MAINTAINED TO AVOID FLATTENING BY EQUIPMENT, TYP.
PROP. BRUSHLINE, TYP.
CLEAR TREES, STUMPS OUTSIDE FENCE TO REMAIN UNLESS IN AREAS TO BE REGRADED
6'–8' WIDE ROW OF 4"–6" THICK COARSE WOODY DEBRIS SPREAD ALONG CONTOUR, TYP.
CLEAR & GRUB TREES INSIDE FENCE & WHERE GRADING IS REQUIRED OUTSIDE FENCE, TYP.
REGRADE TO ACHIEVE 15% SLOPE
VEHICLE TURNAROUND
PHOTOVOLTAIC MODULES W/ GROUND MOUNT TRACKER SYSTEM, TYP.
MAINTAIN EXISTING GRADES & VEGETATION, TYP.
PROP. ARRAY
3.575 MW AC
8,268 MODULES
FENCED AREA = 732,433 SF
(16.81± AC)
ROW SPACING = 11.23'
PANEL HORIZONTAL PROJECTION = 7.40'
2' WIDE x 2' DEEP VEGETATED SWALE
TEMPORARY TOPSOIL STOCKPILE
EDGE OF FIELD & LIMIT OF BRUSH/ORCHARD
ORCHARD
2' HIGH BERM
172'±
ALL DISTURBED AREAS TO BE RESTORED W/ MIN. 6" TOPSOIL, SEED MIX, & STRAW MULCH AS SOON AS PRACTICABLE
PROPERTY LINE AS SHOWN ON MAP REFERENCES #3 & #4
SEDIMENT BARRIER, TYP.
FLARED END FL=303.00
STORAGE CONTAINER TO BE RELOCATED
EXIST. STORAGE CONTAINER
STORMWATER MANAGEMENT BASIN #2 BOTTOM ELEV.=303.0
8' WIDE EARTHEN BERM TOP ELEV.=307.0
180' STONE TRENCH IN BASIN BOTTOM
SEED STORMWATER MANAGEMENT BASIN & DISTURBED OR BARE AREAS OUTSIDE FENCE W/ NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DRY SITES BY NEW ENGLAND WETLAND PLANTS, INC. OR APPROVED EQUAL WITHIN 72 HOURS OF FINAL GRADING
10' WIDE EARTHEN SPILLWAY TOP ELEV.=306.0
58'–12" HDPE S=17.24%
WHITE SPRUCE (PICEA GLAUCA) 4'–5' B&B, 15' O.C., TYP. OF 46
MAP LINE AS SHOWN OF MAP REFERENCE #3
EXIST. INLET STRUCTURE #2 FL=276.2 (WEIR) FL=274.9 (OUT)
CHD FOUND
REBAR FOUND
LIMIT OF BRUSH/ORCHARD
FLARED END W/ TYPE A RIP RAP APOTN FL=278.00
EXIST. BARN
EXIST. HOUSE
EXIST. FRUIT STAND
EXIST. HEADWALL FL=270.8±
EXIST. CB TF=275.6 FL=271.6
EXIST. CB TF=279.0
EXIST. CB TF=279.7
EXIST. CB TF=280.7
EXIST. BARB WIRE FENCE
EXIST. TREE LINE (TYP)
WHITE SPRUCE (PICEA GLAUCA) 4'–5' B&B, 15' O.C., TYP. OF 47
UTILITY OWNED RECLOSER POLE
UTILITY OWNED PRIMARY METER POLE
CUSTOMER DISCONNECT SWITCH POLE
CUSTOMER RECLOSER POLE
CUSTOMER RISER/METERING POLE
PROP. TREELINE, TYP.
PROP. SIGHT LINE EASEMENT IN FAVOR OF SUBJECT PROPERTY AREA = 871 SF
15' WIDE SITE ACCESS DRIVE
PROP. 3:1 SLOPE, TYP.
SILT FENCE CHECK DAM AT INLET
EXIST. INLET STRUCTURE FL=319.3
EXIST. INLET STRUCTURE FL=340.1
SEDIMENT BARRIER, TYP.
GATE
UTILITY OWNED DISCONNECT SWITCH POLE
UTILITY OWNED POINT OF INTERCONNECTION (POI) POLE
N/F Robert & Nancy B. Edgar
N/F Karen J. Murphy
Mountain View Road
EVERSOURCE 5316 CLAMP GUY POLE 5316 W/ GUY WIRE
EVERSOURCE 5318 W/ GUY
EVERSOURCE 699S GUY POLE W/ WIRE
EVERSOURCE 697S GUY POLE W/ WIRE
EVERSOURCE 7015 W/ GUY POLE & WIRE
EVERSOURCE 699
EVERSOURCE 700
EVERSOURCE 701 W/ GUY POLE
EVERSOURCE 702 W/ GUY WIRE
EVERSOURCE 697
CLAMP 696
CLAMP 702 W/ GUY WIRE
PROPANE TANK
BIT. DRIVE
50' FRONT YARD
25' SIDE YARD

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

DATA BLOCK (ZONE A–1)

	REQUIREMENT
MIN. FRONTAGE:	175'
MIN. AREA:	40,000 S.F.
FRONT YARD:	50'
SIDE YARD:	25'
REAR YARD:	40'
MAX. LOT COVERAGE:	25%

I certify that the Inland Wetlands and Watercourse boundary line(s) as shown on this map is substantially correct.

Richard Zulick, Soil Scientist

TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

This survey and map has been prepared in accordance with Sections 20–300b–1 thru 20–300b–20 of the Regulations of Connecticut State Agencies – "Minimum Standards for Surveys and Maps in the State of Connecticut" as endorsed by the Connecticut Association of Land Surveyors, Inc. It is a Property Survey based on a Resurvey partially conforming to Horizontal Class A–2 and partially to Horizontal Class D & a Topographic Survey conforming to Class T–2.

This document and copies thereof are valid only if they bear the live signature and embossed seal of the designated professional. Unauthorized alterations render any declaration hereon null and void.

RUSSO
SURVEYORS–ENGINEERS
SERVING CT & MA
J.R. Russo & Associates, LLC
PO Box 938, 1 Shoham Rd East Windsor, CT 06088
www.jrrusso.com - CT 860.623.0569 - MA 413.785.1158

Applicant
Santa Fuel, Inc.
154 Admiral Street
Bridgeport, CT 06605

REVISIONS	
BY: LF/TAC	CHK: JEU
9–12–24	ADDRESS SITING COUNCIL COMMENTS

Somers Solar
159 South Road
Somers, Connecticut
Map 05 Lot 73 Zone: A–1

Site Plan

DATE 9–14–23
SCALE 1"=50'
JOB NUMBER 2023–001
SHEET 6 of 8

S:\Acad\2023 Civil 3D\2023-001 Louth Callan Renewables\Russo Drawings\2023-001.dwg

PERMANENT SEEDING (PS)

SPECIFICATIONS

Time Of Year

Seeding dates in Connecticut are normally April 1 through June 15 and August 15 through October 1. Spring seedings give the best results and spring seedings of all mixes with legumes is recommended. There are two exceptions to the above dates. The first exception is when seedings will be made in the areas of Connecticut known as the Coastal Slope and the Connecticut River Valley. The Coastal Slope includes the coastal towns of New London, Middlesex, New Haven, and Fairfield counties. In these areas, with the exception of crown vetch (when crown vetch is seeded in late summer, at least 35% of the seed should be hard seed (unscarified), the final fall seeding dates can be extended and additional 15 days. The second exception is frost crack or dormant seeding, the seed is applied during the time of year when no germination can be expected, normally November through February. Germination will take place when weather conditions improve, mulching is extremely important to protect the seed from wind and surface erosion and to provide erosion protection until the seeding becomes established.

Site Preparation

Grade in accordance with the Land Grading measure which is in the Connecticut Guidelines For Soil Erosion and Sediment Control latest edition.

Install all necessary surface water controls.

For areas to be mowed remove all surface stones 2 inches or larger. Remove all other debris such as wire, cable tree roots, pieces of concrete, clods, lumps, or other unsuitable material.

Seed Selection

Field Areas: Showy Northeast Native Wildflower & Grass Mix – Ernmx–153 by Ernst Conservation Seeds or approved equal.
Stormwater Basin: New England Erosion Control/Restoration Mix for Dry Sites by New England Wetland Plants, Inc. or approved equal.

Seedbed Preparation

Apply topsoil, if necessary, in accordance with the Topsoiling measure which is in the Connecticut Guidelines For Soil Erosion and Sediment Control latest edition.

Apply ground limestone and fertilizer according to soil test recommendations (such as those offered by the University of Connecticut Soil Testing Laboratory or other reliable source).

Where soil testing is not feasible on small or variable sites, or where timing is critical, fertilizer may be applied at the rate of 300 pounds per acre or 7.5 pounds per 1,000 square feet of 10–10–10 or equivalent and limestone at 4 tons per acre or 200 pounds per 1,000 square feet.

Work lime and fertilizer into the soil to a depth of 3 to 4 inches with a disc or other suitable equipment.

Inspect seedbed just before seeding. If the soil is compacted, crusted or hardened, scarify the area prior to seeding.

Seed Application

Apply selected seed at rates per manufacturer's recommendations uniformly by hand, cyclone seeder, drill, cultipacker type seeder or hydroseeder (slurry including seed, fertilizer). Normal seeding depth is from 0.25 to 0.5 inch. Increase seeding rates by 10% when hydroseeding or frost crack seeding. Seed warm season grasses during the spring period only.

Mulching

See guidelines in the Mulch For Seed measures.

MAINTENANCE

Inspect temporary soil protection area at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater during the first growing season.

Where seed has been moved or where soil erosion has occurred, determine the cause of the failure and repair as needed.

TEMPORARY SEEDING (TS)

SPECIFICATIONS

Site Preparation

Install needed erosion control measures such as diversions, grade stabilization structures, sedimentation basins and grassed waterways in accordance with the approved plan.

Grade according to plans and allow for the use of appropriate equipment for seedbed preparation, seeding, mulch application and mulch anchoring.

Seedbed Preparation

Loosen the soil to a depth of 3–4 inches with a slightly roughened surface. If the area has been recently loosened or disturbed, no further roughening is required. Soil preparation can be accomplished by tracking with a bulldozer, discing harrowing, raking or dragging with a section of chain link fence.

Apply ground limestone and fertilizer according to soil test recommendations (such as those offered by the University of Connecticut Soil Testing Laboratory or other reliable source).

If soil testing is not feasible on small or variable sites, or where timing is critical, fertilizer may be applied at the rate of 300 pounds per acre or 7.5 pounds per 1,000 square feet of 10–10–10 or equivalent.

Seeding

Apply seed uniformly by hand, cyclone seeder, drill, cultipacker type seeder or hydroseeder. The temporary seed shall be Rye (grain) applied at a rate of 120 pounds per acre. Increase seeding rates by 10% when hydroseeding.

Mulching

See guidelines in the Mulch For Seed measures.

MAINTENANCE

Inspect temporary seeding area at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater for seed and mulch movement and rill erosion.

Where seed has been moved or where soil erosion has occurred, determine the cause of the failure and repair as needed.

MULCH FOR SEED (MS)

SPECIFICATIONS

Materials

Types of Mulches *within this specification include, but are not limited to:*

1. Hay: *The dried stems and leafy parts of plants cut and harvested, such as alfalfa, clovers, other forage legumes and the finer stemmed, leafy grasses. The average stem length should not be less than 4 inches. Hay that can be windblown should be anchored to hold it in place.*

2. Straw: *Cut and dried stems of herbaceous plants, such as wheat, barley, cereal rye, or brome. The average stem length should not be less than 4 inches. Straw that can be windblown should be anchored to hold it in place.*

3. Cellulose Fiber: *Fiber origin is either virgin wood, post–industrial/pre–consumer wood or post consumer wood complying with materials specification (collectively referred to as "wood fiber"), newspaper, kraft paper, cardboard (collectively referred to as "paper fiber") or a combination of wood and paper fiber. Paper fiber, in particular, shall not contain boron, which inhibits seed germination. The cellulose fiber must be manufactured in such a manner that after the addition to and agitation in slurry tanks with water, the fibers in the slurry become uniformly suspended to form a homogeneous product. Subsequent to hydraulic spraying on the ground, the mulch shall allow for the absorption and percolation of moisture and shall not form a tough crust such that it interferes with seed germination or growth. Generally applied with tackifier and fertilizer. Refer to manufacturer's specifications for application rates needed to attain 80%–95% coverage without interfering with seed germination or plant growth. Not recommended as a mulch for use when seeding occurs outside of the recommended seeding dates.*

Tackifiers *within this specification include, but are not limited to: Water soluble materials that cause mulch particles to adhere to one another, generally consisting of either a natural vegetable gum blended with gelling and hardening agents or a blend of hydrophilic polymers, resins, viscosifiers, sticking aids and gums. Good for areas intended to be mowed. Cellulose fiber mulch may be applied as a tackifier to other mulches, provided the application is sufficient to cause the other mulches to adhere to one another.* ***Emulsified asphalts are specifically prohibited for use as tackifiers due to their potential for causing water pollution following its application.***

Nettings *within this specification include, but are not limited to: Prefabricated openwork fabrics made of cellulose cords, ropes, threads, or biodegradable synthetic material that is woven, knotted or molded in such a manner that it holds mulch in place until vegetation growth is sufficient to stabilize the soil. Generally used in areas where no mowing is planned.*

Site Preparation

Grade according to plans and allow for the use of appropriate equipment for seedbed preparation, seeding, mulch application and mulch anchoring.

Application

Timing: *Applied immediately following seeding. Some cellulose fiber may be applied with seed to assist in marking where seed has been sprayed, but expect to apply a second application of cellulose fiber to meet the requirements of* ***Mulch For Seed*** *in the Connecticut Guidelines For Soil Erosion and Sediment Control latest edition.*

Spreading: *Mulch material shall be spread uniformly by hand or machine resulting in 80%–95% coverage of the disturbed soil when seeding within the recommended seeding dates. Applications that are uneven can result in excessive mulch smothering the germinating seeds. For hay or straw anticipate an application rate of 2 tons per acre. For cellulose fiber follow manufacture's recommended application rates to provided 80%–95% coverage.*

When seeding outside the recommended seeding dates, increase mulch application rate to provide between 95%–100% coverage of the disturbed soil. For hay or straw anticipate an application rate to 2.5 to 3 tons per acre.

When spreading hay mulch by hand, divide the area to be mulched into approximately 1,000 square feet and place 1.5–2 bales of hay in each section to facilitate uniform distribution.

For cellulose fiber mulch, expect several spray passes to attain adequate coverage, to eliminate shadowing, and to avoid slippage.

Anchoring: *Expect the need for mulch anchoring along the shoulders of actively traveled roads, hill tops and long open slopes not protected by wind breaks.*

When using netting, the most critical aspect is to ensure that the netting maintains substantial contact with the underlying mulch and the mulch, in turn, maintains continuos contact with the soil surface. Without such contact, the material is useless and erosion can be expected to occur.

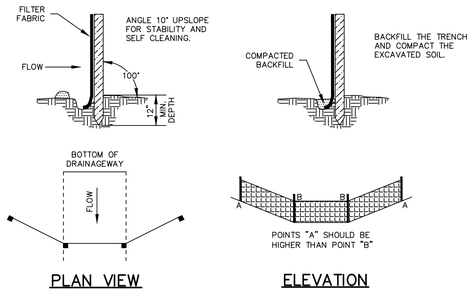
MAINTENANCE

Inspect mulch for seed area at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater until the grass has germinated to determine maintenance needs.

Where mulch has been moved or where soil erosion has occurred, determine the cause of the failure and repair as needed.

SOIL EROSION & SEDIMENT CONTROL NOTES

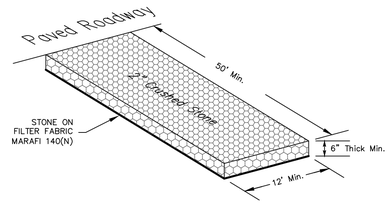
1. *All soil erosion and sediment control work shall be done in strict accordance with the Connecticut Guidelines For Soil Erosion and Sediment Control latest edition.*
2. *Any additional erosion/sediment control deemed necessary by the engineer during construction, shall be installed by the developer. In addition, the developer shall be responsible for the repair/replacement and/or maintenance of all erosion control measures until all disturbed areas are stabilized to the satisfaction of the town staff.*
3. *All soil erosion and sediment control operations shall be in place prior to any grading operations and installation of proposed structures or utilities and shall be left in place until construction is completed and/or area is stabilized.*
4. *In all areas, removal of trees, bushes and other vegetation as well as disturbance of the soil is to be kept to an absolute minimum while allowing proper development of the site. During construction, expose as small an area of soil as possible for as short a time as possible.*
5. *The developer shall practice effective dust control per the soil conservation service handbook during construction and until all areas are stabilized or surface treated. The developer shall be responsible for the cleaning of nearby streets, as ordered by the town, of any debris from these construction activities.*
6. *All fill areas shall be compacted sufficiently for their intended purpose and as required to reduce slipping, erosion or excess saturation. Fill intended to support buildings, structures, conduits, etc., shall be compacted in accordance with local requirements or codes.*
7. *Topsoil is to be stripped and stockpiled in amounts necessary to complete finished grading of all exposed areas requiring topsoil. The stockpiled topsoil is to be located as designated on the plans. Topsoil shall not be placed while in a frozen or muddy condition, when the subgrade is excessively wet, or in a condition that may otherwise be detrimental to proper grading or proposed sodding or seeding.*
8. *Any and all fill material is to be free of brush, rubbish, timber, logs vegetative matter and stumps in amounts that will be detrimental to constructing stable fills. Maximum side slopes of exposed surfaces of earth to be 3:1 or as otherwise specified by local authorities.*
9. *Soil stabilization should be completed within 5 days of clearing or inactivity in construction.*
10. *Waste Materials – All waste materials (including wastewater) shall be disposed of in accordance with local, state and federal law. Litter shall be picked up at the end of each work day.*
11. *The Contractor shall maintain on–site additional erosion control materials as a contingency in the event of a failure or when required to shore up existing BMPs. At a minimum, the on–site contingency materials should include 30 feet of silt fence and 5 straw haybales with 10 stakes.*



SOURCE: U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, STORRS, CONNECTICUT

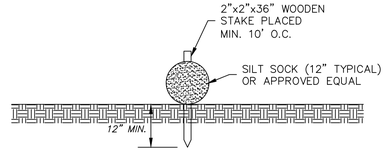
GEOTEXTILE SILT FENCE (SB)

NOT TO SCALE



DRIVEWAY/ANTI-TRACKING PAD DETAIL (CE)

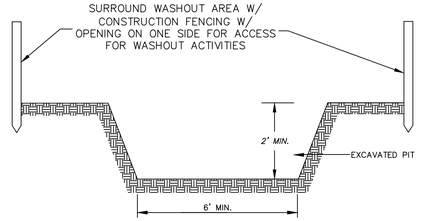
NOT TO SCALE



NOTE: MAY BE USED AS ALTERNATIVE TO GEOTEXTILE SILT FENCE.

PERIMETER SEDIMENT BARRIER (SB)

NOT TO SCALE



CEMENT TRUCK WASHOUT AREA

NOT TO SCALE

CHECKLIST FOR EROSION CONTROL PLAN

PROJECT: Somers Solar

LOCATION: 159 South Road, Somers, CT

PROJECT DESCRIPTION: Construction of a Photovoltaic Solar Array

PARCEL AREA: 98± acres

RESPONSIBLE PERSONNEL: Martin Mija, Louth Callan Renewables, 857–492–6926

EROSION AND SEDIMENT CONTROL PLAN PREPARER: J.R. Russo & Associates, LLC

CHECKLIST:

Work Description Erosion & Sediment Control Measures	Location	Date Installed	Initials	Date Removed	Initials
Install construction entrance	As shown on plan.				
Install perimeter sediment barriers	As shown on plan.				
Install silt sack	As shown on plan.				

MAINTENANCE OF MEASURES:

Location	Description or Number	Date	Initials

Project Dates:

Date of groundbreaking for project:

Date of final stabilization:

PROJECT NARRATIVE AND CONSTRUCTION SEQUENCE

This project is located at 159 South Road in Somers, Connecticut. The proposed activity is the construction of photovoltaic solar array. The suggested schedule of construction is as follows:

1. Conduct a pre–construction meeting on–site with the contractor to review the design and requirements of the Stormwater Pollution Control Plan.
2. Install anti–tracking pad (CE).
3. Install sediment barriers (SB) at project perimeters.
4. Clear trees & grub stumps in areas as shown on Plans. All debris to be removed from the site.
5. Strip topsoil in the vicinity of the proposed stormwater management basins and areas to be regraded. Stockpile suitable amount of topsoil for reuse on–site in areas shown. Stockpiles shall be surrounded by sediment barriers (SB).
6. Perform cuts/fills to establish grades.
7. Construct stormwater management basins/conveyance system. Seed and mulch to establish vegetation as soon as practicable.
8. Install foundations and solar panels.
9. Install electrical equipment and distribution lines.
10. Install security fence.
11. Restore all disturbed areas with topsoil, seed mix and mulch as soon as practicable.
12. Remove sediment barriers after site is fully stabilized.

Construction of this site is anticipated to begin in the spring of 2024 and be complete by January 2025, pending approvals. Temporary erosion control measures shall be installed prior to any soil disturbance and maintained throughout construction until soils have been stabilized with permanent vegetation.

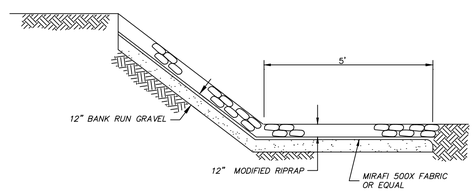
The Contractor shall keep the area of disturbance to a minimum and establish vegetative cover on exposed soils as soon as practical. All soil and erosion control measures shall be installed and maintained in accordance with these plans and the "Connecticut DEP Guidelines for Soil Erosion and Sediment Control", as amended. The Contractor shall verify all conditions noted on the plans and shall immediately notify the Engineer of any discrepancies.

The developer shall be responsible for the repair/replacement/maintenance of all erosion control measures until all disturbed areas are stabilized. Accumulated sediment shall be removed as required to keep silt fence functional. In all cases, deposits shall be removed when the accumulated sediment has reached one–half above the ground height of the silt fence. This material is to be spread and stabilized in areas not subject to erosion, or to be used in areas which are not to be paved or built on. Sediment barrier (SB) is to be replaced as necessary to maintain proper filtering action. Sediment barrier (SB) is to remain in place and shall be maintained to insure efficient sediment capture until all areas above the erosion checks are stabilized and vegetation has been established.

POST CONSTRUCTION MAINTENANCE NOTES:

The property owner shall be responsible for performing the following post construction maintenance schedule:

1. Maintain lawn & landscape areas with minimal pesticides.
2. Inspect infiltration basin annually for evidence of hydrocarbons and remove by vac–truck. Repair eroded areas and replace riprap and vegetation as required. Dredge bottom to remove accumulated sediment every 10 years or when significant volume reduction is observed. Mow infiltration basin on a regular basis to maintain as lawn area for filtering of pollutants.



RIPRAP SLOPE PROTECTION AT SPILLWAY

NOT TO SCALE

RUSSO
SURVEYORS·ENGINEERS
SERVING CT & NA
J.R. Russo & Associates, LLC
PO Box 938, 1 Shoham Rd East Windsor, CT 06088
www.jrrusso.com · CT 860.623.0569 · NA 413.785.1158

Applicant
Santa Fuel, Inc.
154 Admiral Street
Bridgeport, CT 06605

REVISIONS	
BY: LF/TAC	CHK: JEU
9–12–24 ADDRESS SITING COUNCIL COMMENTS	

Somers Solar
159 South Road
Somers, Connecticut
Map 05 Lot 73 Zone: A–1

Erosion & Sediment Control Notes & Details

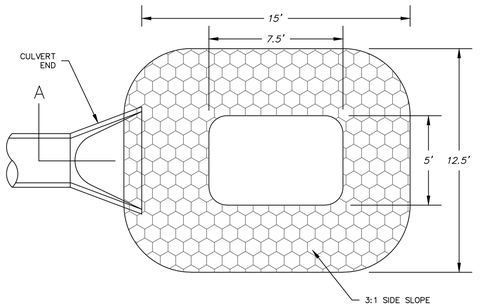
DATE
9–14–23

SCALE
1"=50'

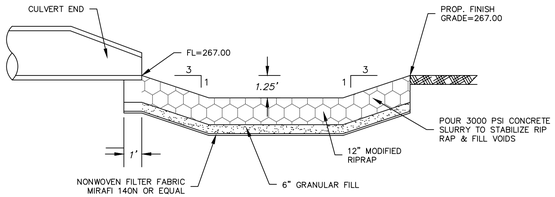
JOB NUMBER
2023–001

SHEET
7 of 8

S:\Acad\2023 Civil 3D\2023-001 Louth Callan Renewables\Russo Drawings\2023-001.dwg



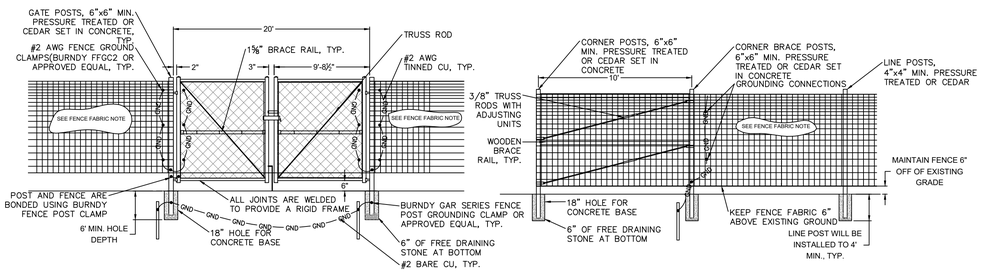
PLAN VIEW



SECTION A–A

PREFORMED SCOUR HOLE

NOT TO SCALE



AGRICULTURAL FENCE DETAIL

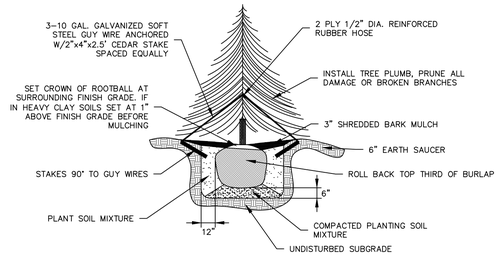
NOT TO SCALE

NOTES:

1. FENCE POSTS/MESH WITHIN 50' OF MEDIUM VOLTAGE PATHWAY SHALL BE GROUNDED EVERY 100' UNTIL THE FENCE SYSTEM IS OVER 50' AWAY FROM MEDIUM VOLTAGE PATHWAY.
2. A DRIVEN ROD LOCATED INSIDE THE FENCE LINE, 10' IN LENGTH. COPPER-CLAD, STAINLESS STEEL CLAD RODS SHALL BE 5/8" IN DIAMETER.
3. BONDING THE ROD TO A FENCE POST USING A CONDUCTOR SIZED APPROPRIATELY FOR THE DDESIGN AND OPERATING CONDITIONS, BUT NOT SMALLER THAN A #2 AWG COPPER CONDUCTOR OR ALUMINUM OF THE SAME AMPACITY.
4. BARBED WIRE AND WIRE MESH SHALL ALSO BE BONDED TO THE FENCE POST AT THAT LOCATION, USING SAME SIZED COPPER WIRE.
5. GROUNDING AND BONDING CONNECTIONS SHALL BE CLAMPED, SPLIT RING, MECHANICAL, BRAZED, WELDED, OR COMPRESSION TYPE.
6. IF A GATE IN THE PERIMETER FENCE IS POSITIONED UNDERNEATH OVERHEAD LINES OR OVER MV TRENCH LINES, THEN FENCE POSTS ON BOTH SIDES OF THE GATE SHALL HAVE A GROUNDING KIT, OR ELSE AN UNDERGROUND JUMPER SHALL BE INSTALLED, AT LEAST 12" BELOW GRADE, EFFECTIVELY BONDING THE FENCE POST ON BOTH SIDES OF THE GATE.
7. ADDITIONAL FENCE BRACING MAY BE REQUIRED ON LONGER FENCE RUNS.

FENCE FABRIC NOTES:

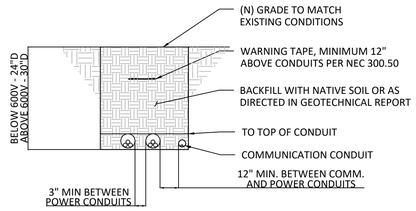
1. ALL FENCE FABRIC, OTHER THAN GATES, SHALL BE BEKAERT SOLIDLOCK PRO HIGH TENSILE FIXED KNOT GAME FENCE OR APPROVED EQUAL.
2. FENCE FABRIC SHALL BE 96" HIGH, 6" SPACING OF VERTICAL WIRES.
3. FENCE FABRIC SHALL BE MOUNTED WITH LARGE OPENINGS AT THE BOTTOM TO ALLOW FOR SMALL ANIMAL PASSAGE.
4. FABRIC TO BE A DARK COLOR, BLACK, OR GRAY.
5. FABRIC TO BE FASTENED WITH MANUFACTURER APPROVED CORROSION RESISTANT STAPLES.



EVERGREEN TREE PLANTING

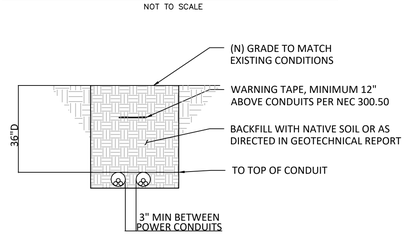
NOT TO SCALE

NOTE: PERMANENT RIPRAP FOR PREFORMED SCOUR HOLE, RIPRAP CHANNELS AND SPILLWAYS SHALL BE NATIVE CRUSHED STONE OR GRANITE MEETING THE REQUIRED GRADATION PER DOT SPECIFICATIONS.



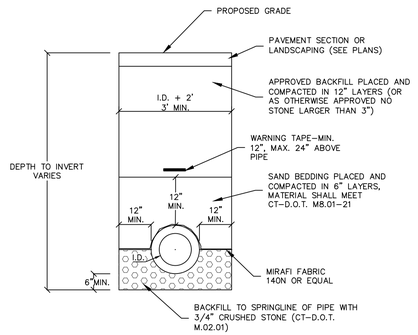
TYPICAL TRENCH DETAIL

NOT TO SCALE



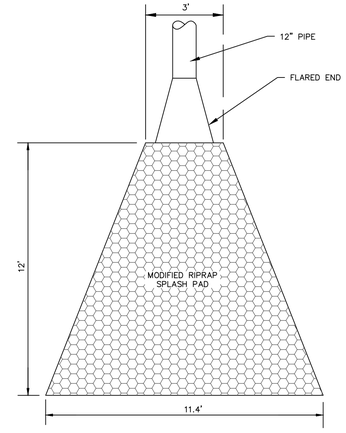
MEDIUM VOLTAGE CABLE TRENCH DETAIL (MV)

NOT TO SCALE



STANDARD STORM DRAIN DETAIL

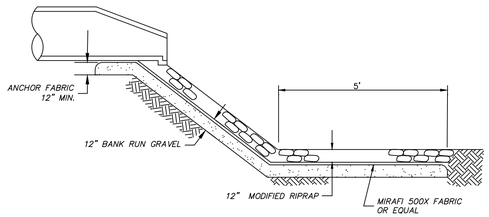
NOT TO SCALE

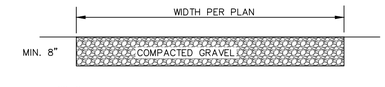


NOTE:
MODIFIED RIPRAP APRON (12" THICK) ON 6" GRANULAR BASE (M.02.01) ON MIRAFI 140N FABRIC OR EQUAL

TYPE A RIPRAP APRON (OP)

N.T.S.

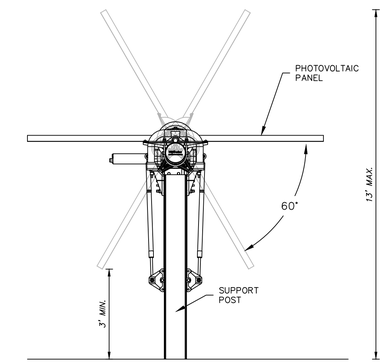




NOTES:
1. SUBGRADE SHALL BE EVALUATED IN THE FIELD FOR STABILITY. WHERE SUBGRADE IS WET OR CANNOT BE PROOF ROLLED WITHOUT SIGNIFICANT RUTTING OR MOVEMENT, ADDITIONAL STABILIZATION MEASURES WILL BE REQUIRED AND MAY INCLUDE EXCAVATION & INSTALLATION OF ADDITIONAL GRAVEL AND/OR INSTALLATION OF A GEOTEXTILE AS DIRECTED BY THE ENGINEER.
2. FINISH GRADE SHALL BE SET SO AS TO MAINTAIN EXISTING SHEET FLOW ACROSS THE DRIVEWAY.

GRAVEL DRIVEWAY DETAIL

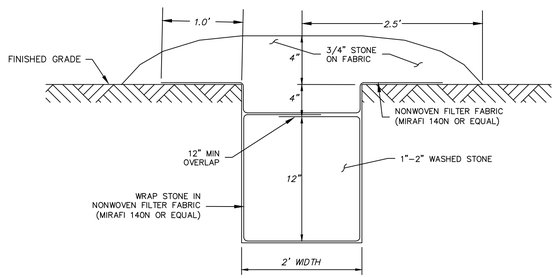
NOT TO SCALE



NOTE: NOT FOR CONSTRUCTION. SEE SPECIFIC POST & RACKING SYSTEM PLANS BY OTHERS.

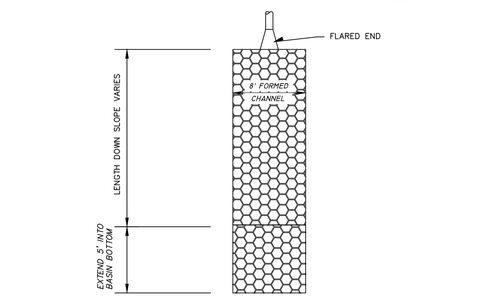
TYPICAL RACKING MOUNTED ON DRIVEN POST

NOT TO SCALE



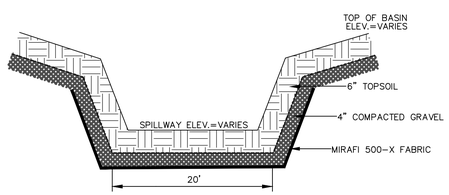
STONE TRENCH IN INFILTRATION BASIN

NOT TO SCALE



CHANNEL INTO STORMWATER BASIN

NOT TO SCALE



EARTHEN SPILLWAY

NOT TO SCALE

RUSSO
SURVEYORS·ENGINEERS
SERVING CT & MA
J.R. Russo & Associates, LLC
PO Box 938 | 1 Shoham Rd East Windsor CT 06088
www.jrrusso.com · CT 860.623.0569 · MA 413.785.1158

Applicant
Santa Fuel, Inc.
154 Admiral Street
Bridgeport, CT 06605

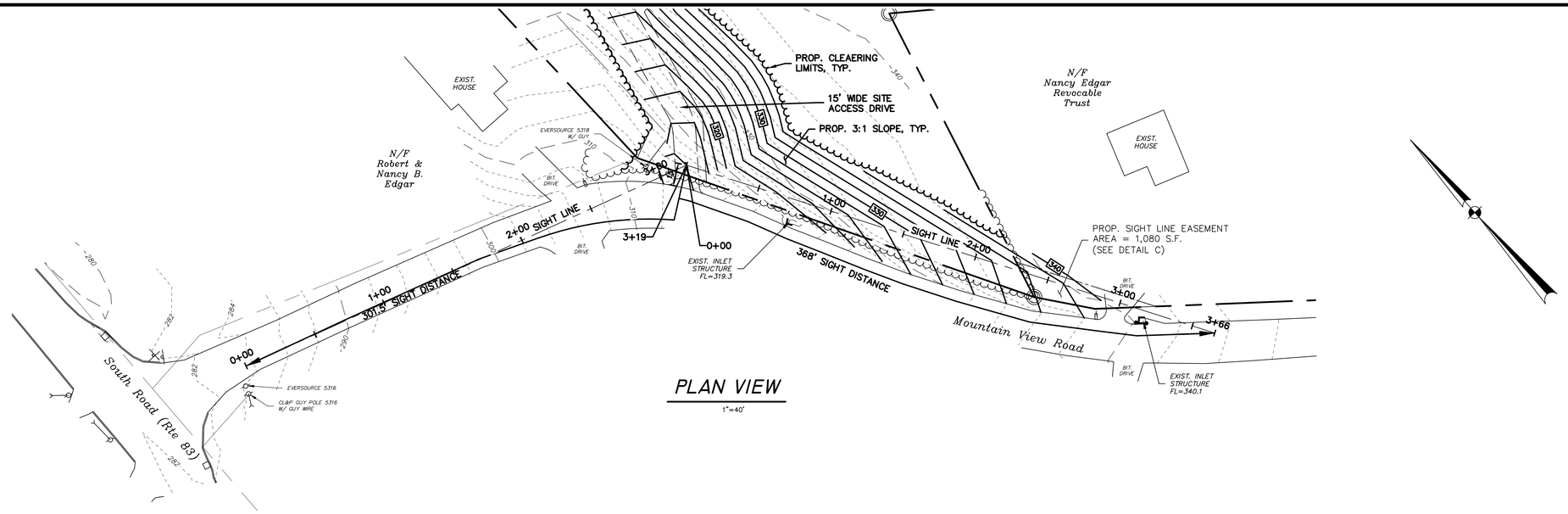
REVISIONS		
9–12–24	ADDRESS SITING COUNCIL COMMENTS	
BY: LF/TAC	CHK: JEU	

Somers Solar
159 South Road
Somers, Connecticut
Map 05 Lot 73 Zone: A–1

Details

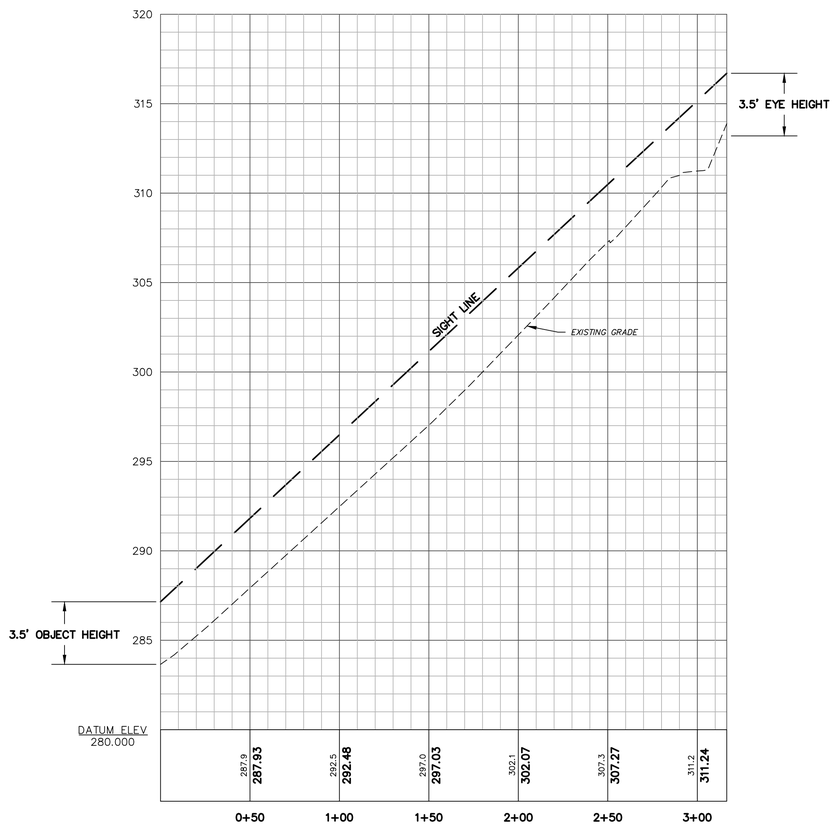
DATE
9–14–23
SCALE
1"=50'
JOB NUMBER
2023–001
SHEET
8 of 8

S:\Acad\2023 Civil 3D\2023-001 Louth Callan Renewables\Russo Drawings\2023-001.dwg



PLAN VIEW

1"=40'



EASTBOUND APPROACH PROFILE

HOR: 1=40', VERT: 1"=4'

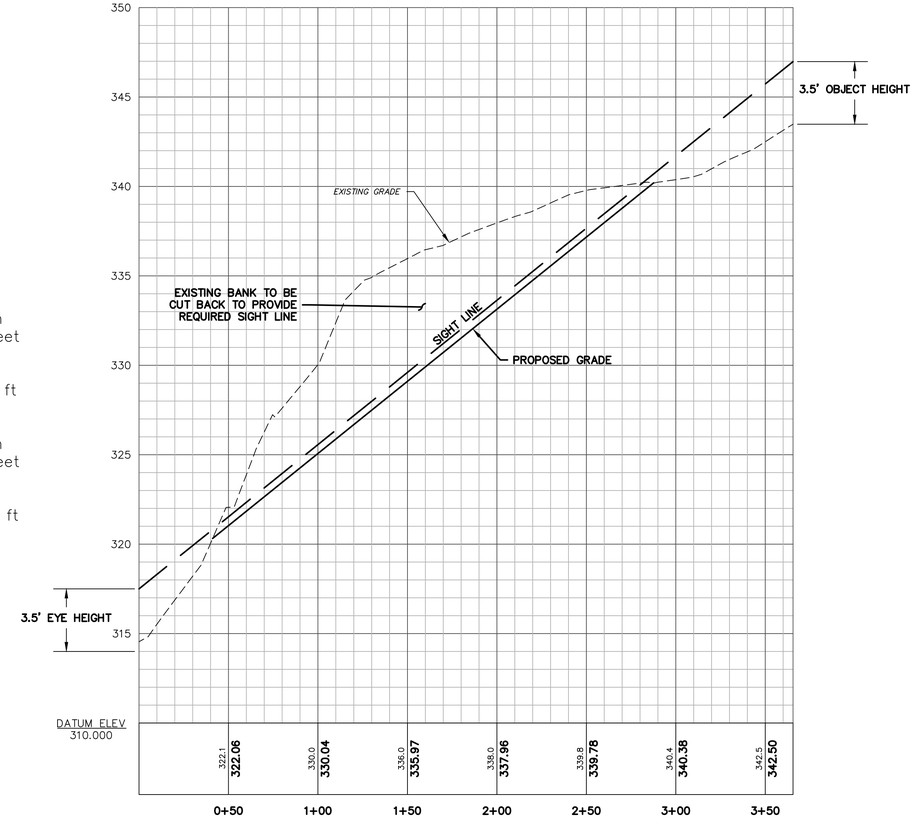
Sight Line Criteria

Eastbound

Posted Speed:	30mph
Required Sight Distance:	335 feet
Approach Slope:	+9%
Slope Factor:	0.0
Adjusted Sight Distance:	301.5 ft

Westbound

Posted Speed:	30mph
Required Sight Distance:	335 feet
Approach Slope:	−9%
Slope Factor:	1.1
Adjusted Sight Distance:	368.5 ft



WESTBOUND APPROACH PROFILE

HOR: 1=40', VERT: 1"=4'

RUSSO
SURVEYORS-ENGINEERS
SERVING CT & MA
J.R. Russo & Associates, LLC
PO Box 938, 1 Shoham Rd East Windsor, CT 06088
www.jrrusso.com - CT 860.623.0569 - MA 413.785.1158

Applicant
Santa Fuel, Inc.
154 Admiral Street
Bridgeport, CT 06605

REVISIONS

BY: LF/TAC	CHK: JEU

Somers Solar
159 South Road
Somers, Connecticut
Map 05 Lot 73 Zone: A-1

Mountain View Rd Access Drive Sight Line Demonstration Plan

DATE
9-12-24

SCALE
HOR: 1"=40'; VERT: 1"=4'

JOB NUMBER
2023-001

SHEET
1 of 1

S:\Acad\2023 Civil 3D\2023-001 Louth Callan Renewables\Russo Drawings\2023-001.dwg