NUTMEG SOLAR PROJECT

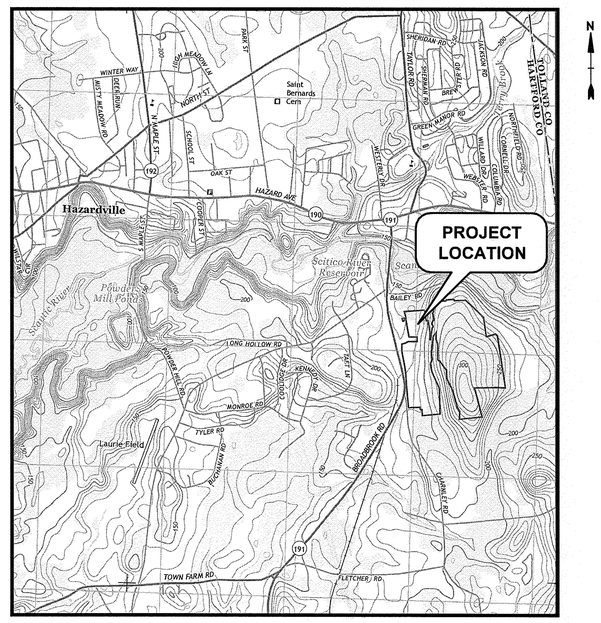
SOIL EROSION AND SEDIMENT CONTROL PLAN

ENFIELD, CONNECTICUT

NOVEMBER 2018

REVISED JANUARY 2020

SHEET NO.	SHEET TITLE
	COVER SHEET
SESC-1	SOIL EROSION AND SEDIMENT CONTROL PLAN - OVERALL
SESC-2	SOIL EROSION AND SEDIMENT CONTROL PLAN SEQUENCE 1 - OVERALL
SESC- 2 - SESC- 6	SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 1A - PHASE 1D
SESC- 7	SOIL EROSION AND SEDIMENT CONTROL PLAN SEQUENCE 2 - OVERALL
SESC- 8 - SESC- 17	SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 2A - PHASE 2J
SESC- 18	SOIL EROSION AND SEDIMENT CONTROL PLAN SEQUENCE 3 - OVERALL
SESC- 19 - SESC- 26	SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 3A - PHASE 3H
SESC- 27	SOIL EROSION AND SEDIMENT CONTROL PLAN SEQUENCE 4 - OVERALL
SESC- 27 - SESC- 37	SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 4A - PHASE 4J
SESC- 38 - SESC- 39	DETAILS



SCALE: 1" = 2,000'

DEVELOPER
NUTMEG SOLAR, LLC
C/O NEXTERA ENERGY RESOURCES, LLC
700 UNIVERSE BOULEVARD
JUNO BEACH, FL 33408

PROJECT SITE
BROADBROOK ROAD
ENFIELD, CT 06082

ENGINEER
TIGHE & BOND
213 COURT STREET, #1100
MIDDLETOWN, CONNECTICUT 06457

STATE OF CONNECTICUT
JOHN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER

1-20-20

Tighe&Bond
Engineers | Environmental Specialists

COMPLETE SET 43 SHEETS

Jan 20, 2020-5:32pm Plotted By: AGilchrist
Tighe & Bond, Inc. J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\Cover.dwg

N

SCALE IN FEET
0 200' 500'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED
PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION
1	12/19	Updated Layout
0	-	Initial Release

PROJECT NO:	R-0317
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DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN
PHASE 1 - OVERALL

SCALE: 1" = 200'

SESC-2

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-4:31pm By: AGilchrist
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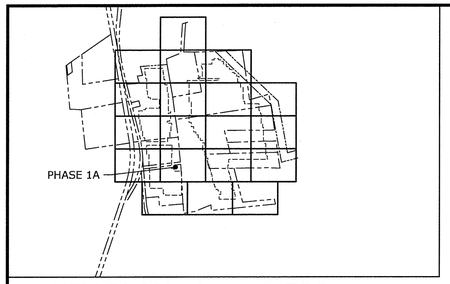


KEY PLAN: 1" = 1,500'

PHASE 1A SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 1.98 ACRES WILL BE DISTURBED DURING PHASE 1A.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 1A INCLUDES GRUBBING, AND CONSTRUCTION OF ACCESS ROAD.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT TRAP SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

CONSTRUCTION PHASE 1

1. FLAG THE LIMITS OF CONSTRUCTION NECESSARY TO FACILITATE THE PRECONSTRUCTION MEETING.
2. CONDUCT ENVIRONMENTAL RESTRICTION TRAINING FOR ALL SITE PERSONNEL.
3. HOLD PRECONSTRUCTION MEETING.
4. INSTALL CONSTRUCTION ENTRANCE.
5. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
6. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
7. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND CONVEYANCE SWALES WITH CHECK DAMS.
8. ONCE TEMPORARY STORMWATER CONTROLS AREA ESTABLISHED, CLEAR AND GRUB EXISTING STUMPS. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
9. STRIP AND STOCKPILE ALL TOPSOIL THAT IS WITHIN THE FOOTPRINT OF THE ACCESS ROAD AND ACCESS ROAD APPURTENANCES. (SEE 2002 CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, CHAPTER 4, PART ii AND THE SOILS IMPACT AVOIDANCE MITIGATION PLAN).
10. CONSTRUCT ACCESS ROADS, ROADSIDE SWALES AND UNDER-ROAD UTILITY CROSSINGS.
11. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
12. UPON STABILIZATION, TEMPORARY CONTROLS MAY BE REMOVED IN ORDER TO CONSTRUCT SUBSEQUENT SUB-PHASES.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON PHASE 1 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

LEGEND

PHASE LIMIT LINE

FUTURE LIMIT OF SOLAR ARRAY

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

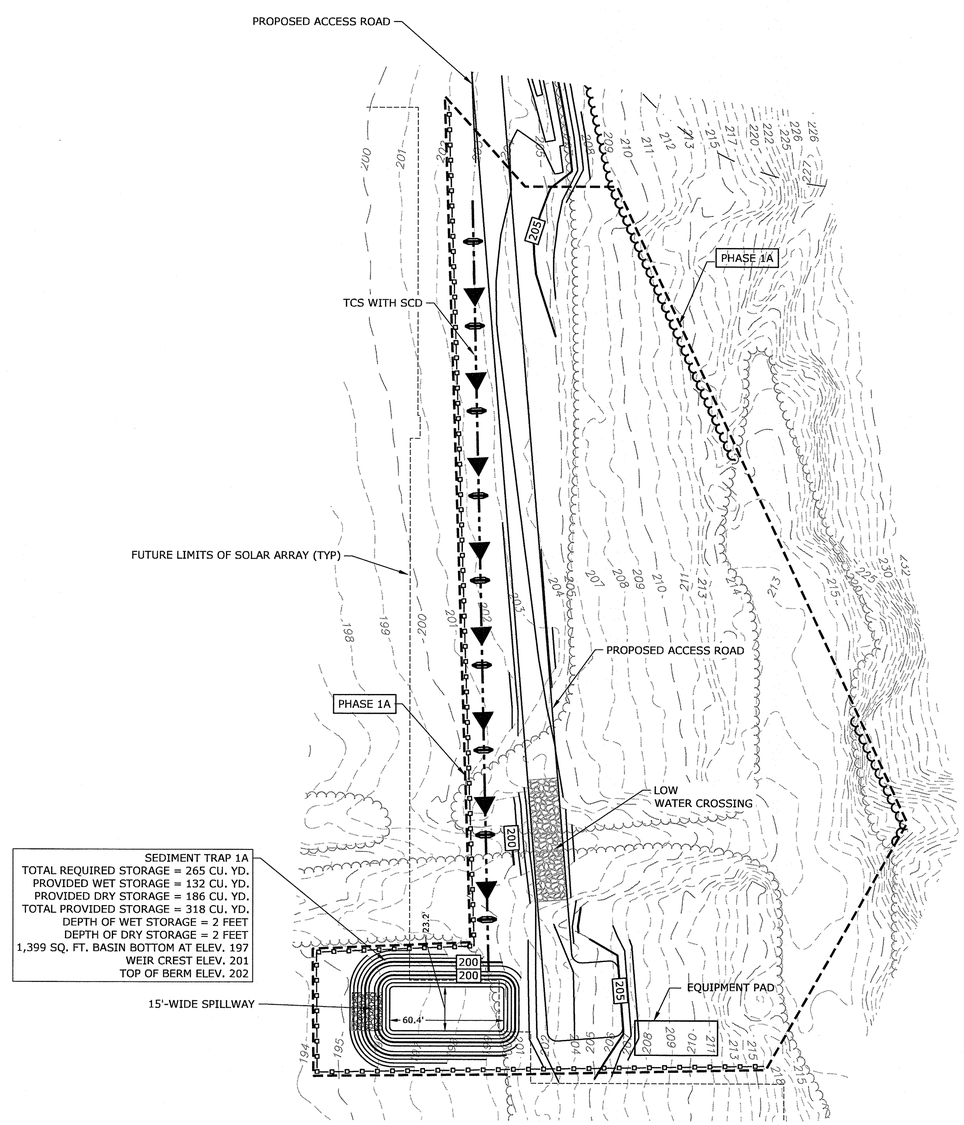
EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE



SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
1-20-20

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Nutmeg Solar, LLC

Enfield, Connecticut

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SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 1A

SCALE: 1" = 40'

SESC-3

Last Saved: 1/20/2020
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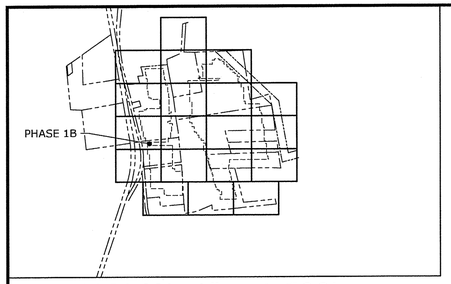

KEY PLAN: 1" = 1,500'

PHASE 1B SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 3.57 ACRES WILL BE DISTURBED DURING PHASE 1B.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 1B INCLUDES GRUBBING, AND CONSTRUCTION OF ACCESS ROAD.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), " CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT TRAP SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON PHASE 1 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

CONSTRUCTION PHASE 1

1. FLAG THE LIMITS OF CONSTRUCTION NECESSARY TO FACILITATE THE PRECONSTRUCTION MEETING.
2. CONDUCT ENVIRONMENTAL RESTRICTION TRAINING FOR ALL SITE PERSONNEL.
3. HOLD PRECONSTRUCTION MEETING.
4. INSTALL CONSTRUCTION ENTRANCE.
5. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
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12. UPON STABILIZATION, TEMPORARY CONTROLS MAY BE REMOVED IN ORDER TO CONSTRUCT SUBSEQUENT SUB-PHASES.

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

PHASE LIMIT LINE

FUTURE LIMIT OF SOLAR ARRAY

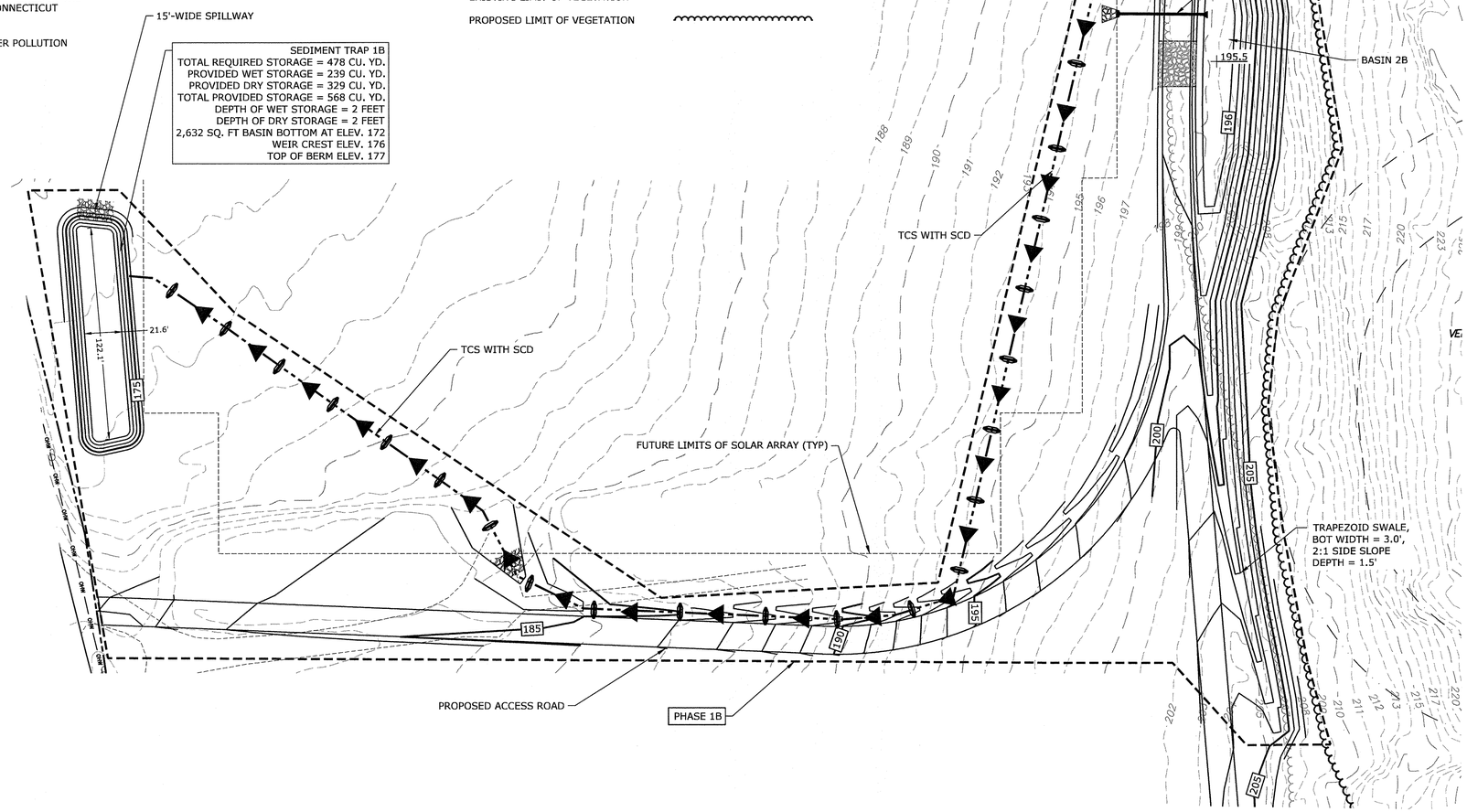
PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION



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1-20-20

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Enfield, Connecticut

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SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 1B

SCALE: 1" = 40'

SESC-4

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-4:36pm By: AGlebnist
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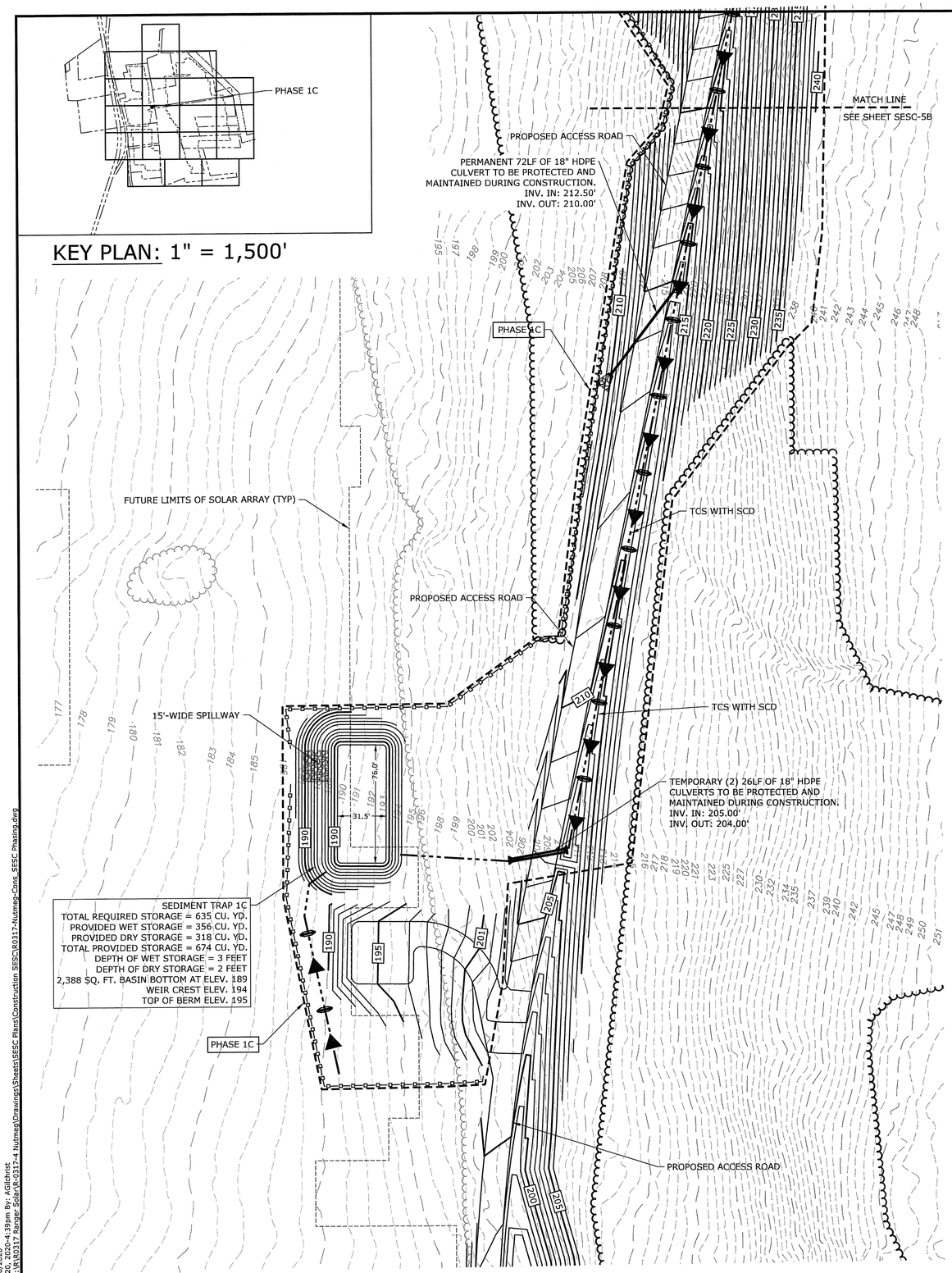

PHASE 1C SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

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S&E CODES

SCD STONE CHECK DAM

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6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY

LEGEND

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SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 1CA

SCALE: 1" = 40'

SESC-5A

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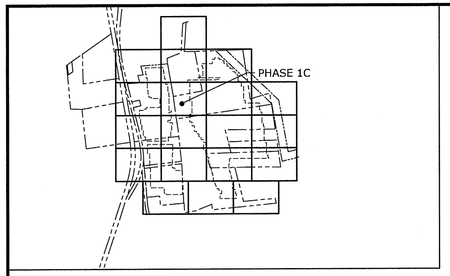

KEY PLAN: 1" = 1,500'

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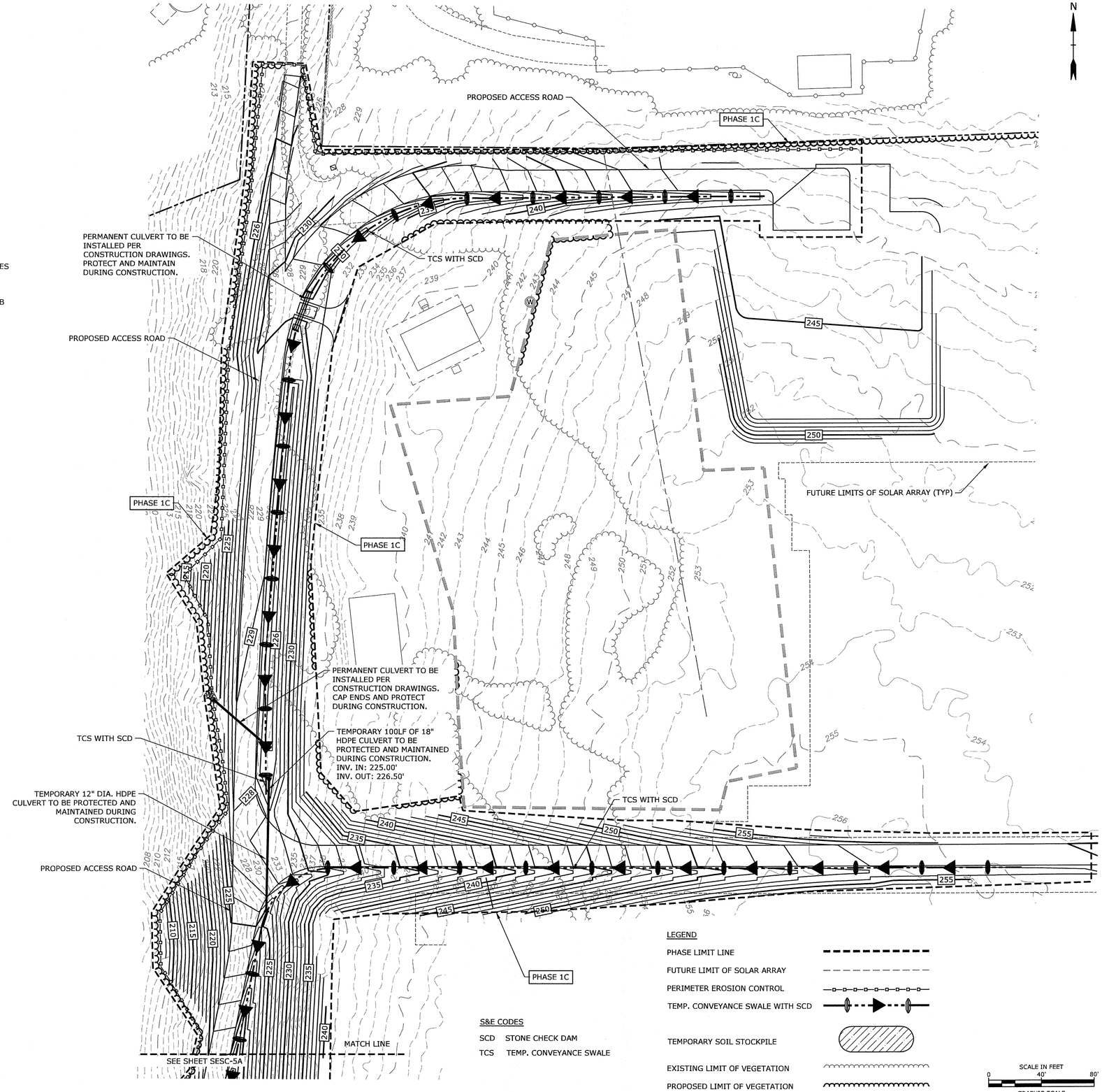

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BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
1-30-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION
1	12/19	Updated Layout
0	-	Initial Release

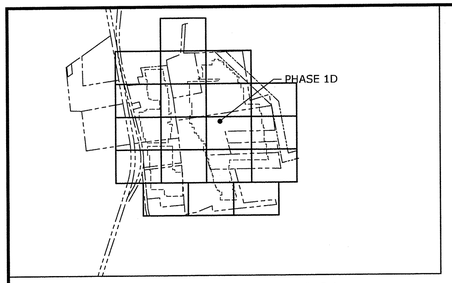
PROJECT NO:	R-0317
DATE:	10/22/2018
FILE:	R0317-Nutmeg-Cons_SESC Phasing.dwg
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 1CB

SCALE: 1" = 40'

SESC-5B

Last Saved: 1/30/2020
Plotted On:Jan 30, 2020-4:41pm By: AGilchrist
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'

PHASE 1D SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 1.58 ACRES WILL BE DISTURBED DURING PHASE 1D.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 1D INCLUDES TREE CLEARING AND GRUBBING AREA, AND CONSTRUCTION OF ACCESS ROAD

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

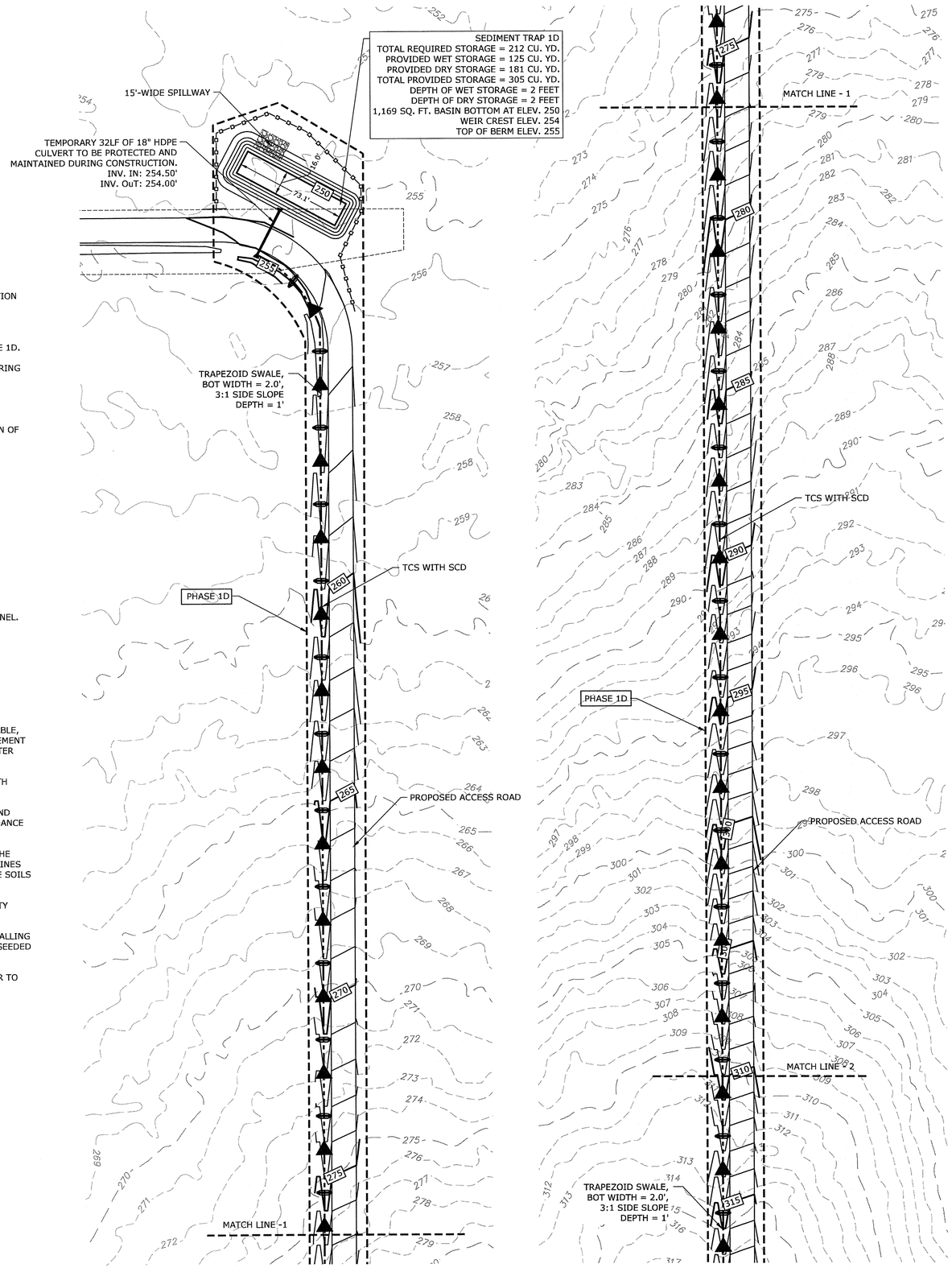
SEDIMENT TRAP SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

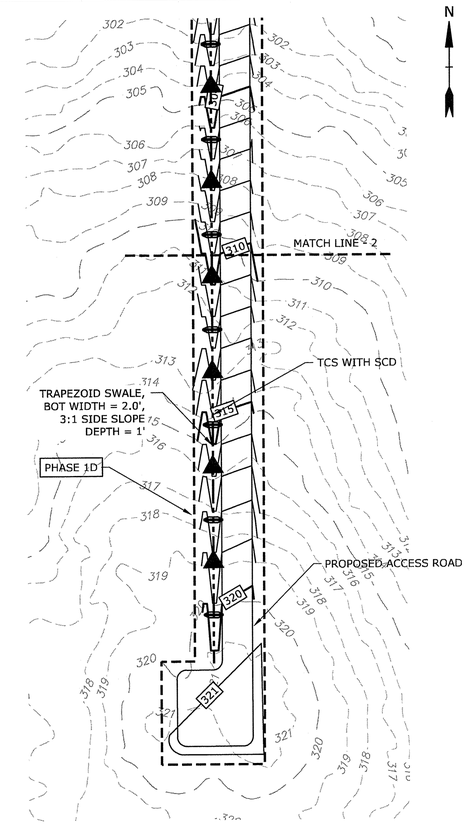
CONSTRUCTION PHASE 1

1. FLAG THE LIMITS OF CONSTRUCTION NECESSARY TO FACILITATE THE PRECONSTRUCTION MEETING.
2. CONDUCT ENVIRONMENTAL RESTRICTION TRAINING FOR ALL SITE PERSONNEL.
3. HOLD PRECONSTRUCTION MEETING.
4. INSTALL CONSTRUCTION ENTRANCE.
5. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
6. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
7. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND CONVEYANCE SWALES WITH CHECK DAMS.
8. ONCE TEMPORARY STORMWATER CONTROLS AREA ESTABLISHED, CLEAR AND GRUB EXISTING STUMPS. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
9. STRIP AND STOCKPILE ALL TOPSOIL THAT IS WITHIN THE FOOTPRINT OF THE ACCESS ROAD AND ACCESS ROAD APPURTENANCES. (SEE 2002 CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, CHAPTER 4, PART ii AND THE SOILS IMPACT AVOIDANCE MITIGATION PLAN).
10. CONSTRUCT ACCESS ROADS, ROADSIDE SWALES AND UNDER-ROAD UTILITY CROSSINGS.
11. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
12. UPON STABILIZATION, TEMPORARY CONTROLS MAY BE REMOVED IN ORDER TO CONSTRUCT SUBSEQUENT SUB-PHASES.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON PHASE 1 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.





N

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

PHASE LIMIT LINE

FUTURE LIMIT OF SOLAR ARRAY

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

SCALE IN FEET 0 40' 80'

GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT BRIAN S. HUNTLEY No. 31180 LICENSED PROFESSIONAL ENGINEER

1-29-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION
1	12/19	Updated Layout
0	-	Initial Release

PROJECT NO:	R-0317
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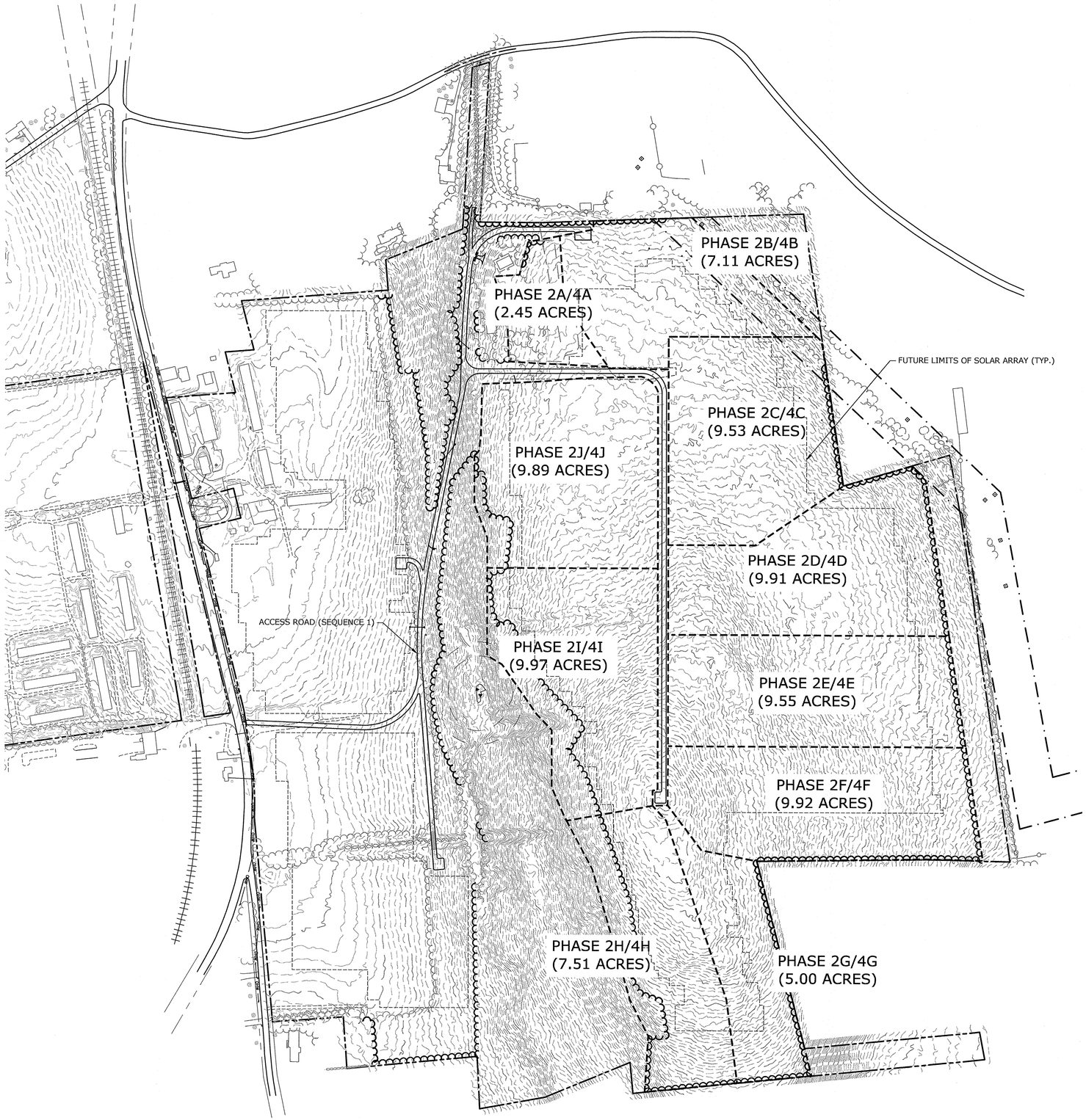
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 1D

SCALE: 1" = 40'

SESC-6

Last Saved: 1/29/2020
Plotted On:Jan 20, 2020-4:44pm By: AGilchrist
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



Tighe&Bond

STATE OF CONNECTICUT
JOHN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER

1-20-20

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Nutmeg Solar, LLC

Enfield, Connecticut

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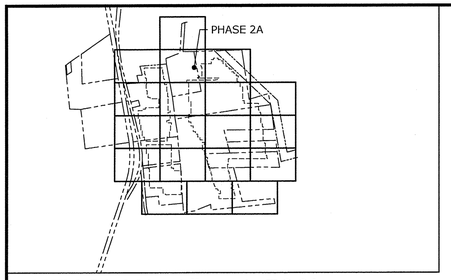
SOIL EROSION AND SEDIMENT CONTROL PLAN
PHASE 2- OVERALL

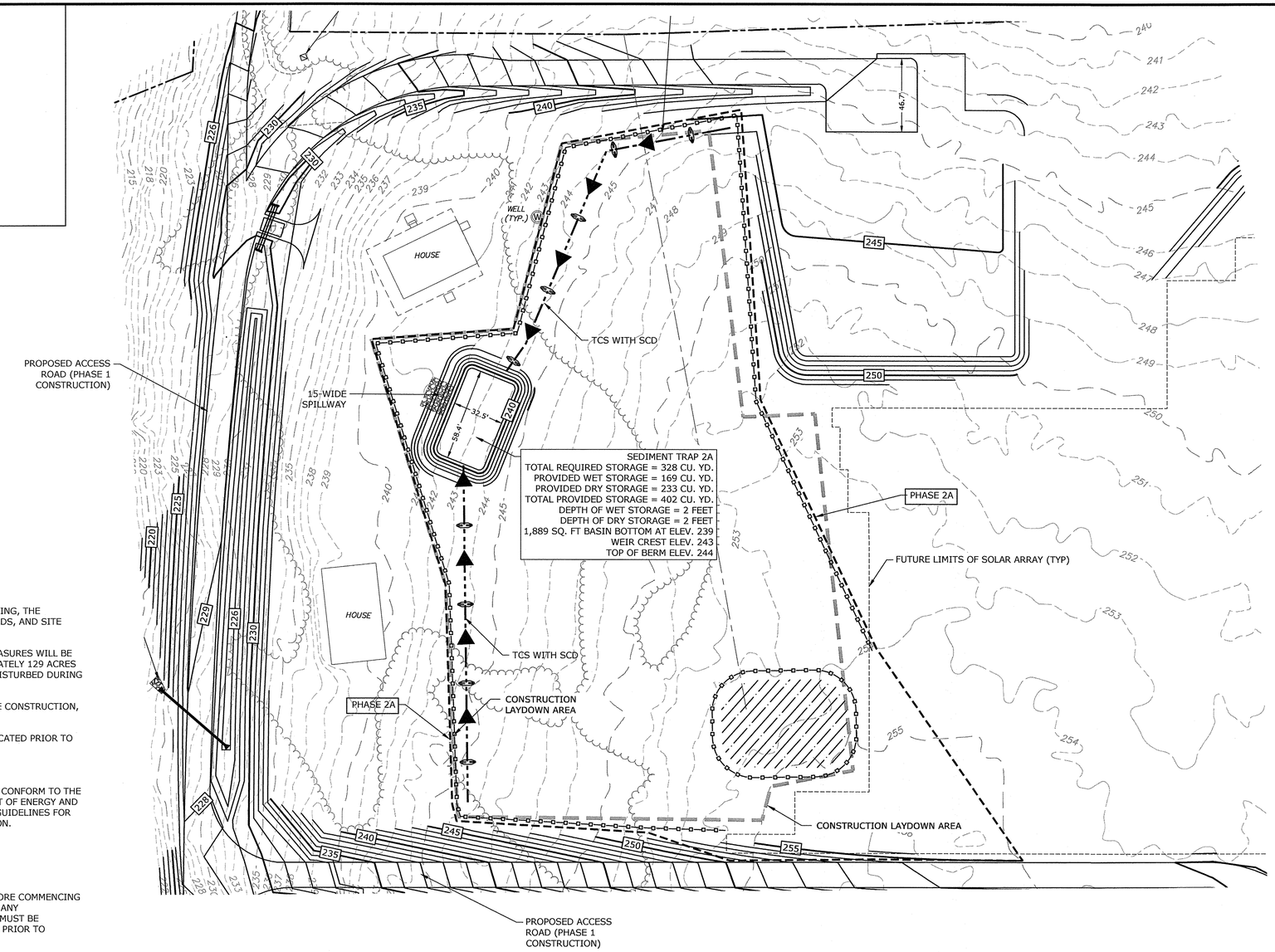
SCALE: 1" = 200'

SESC-7

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-4:31pm By: DGM
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



PHASE 2A SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 2.45 ACRES WILL BE DISTURBED DURING PHASE 2A.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 2A INCLUDES GRUBBING.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 2 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

PHASE LIMIT LINE

FUTURE LIMIT OF SOLAR ARRAY

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

CONSTRUCTION PHASE 2

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS. CLEAR TREES IN ORDER TO ACCESS PROPOSED TEMPORARY CONTROL AREAS ONLY.
5. ONCE TEMPORARY STORMWATER CONTROLS AREA ESTABLISHED, CLEAR AND GRUB EXISTING STUMPS. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
6. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
7. TEMPORARY CONTROLS TO REMAIN IN PLACE THROUGH PHASE 4 CONSTRUCTION.

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED
PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

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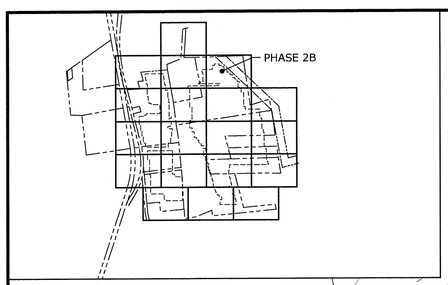
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 2A

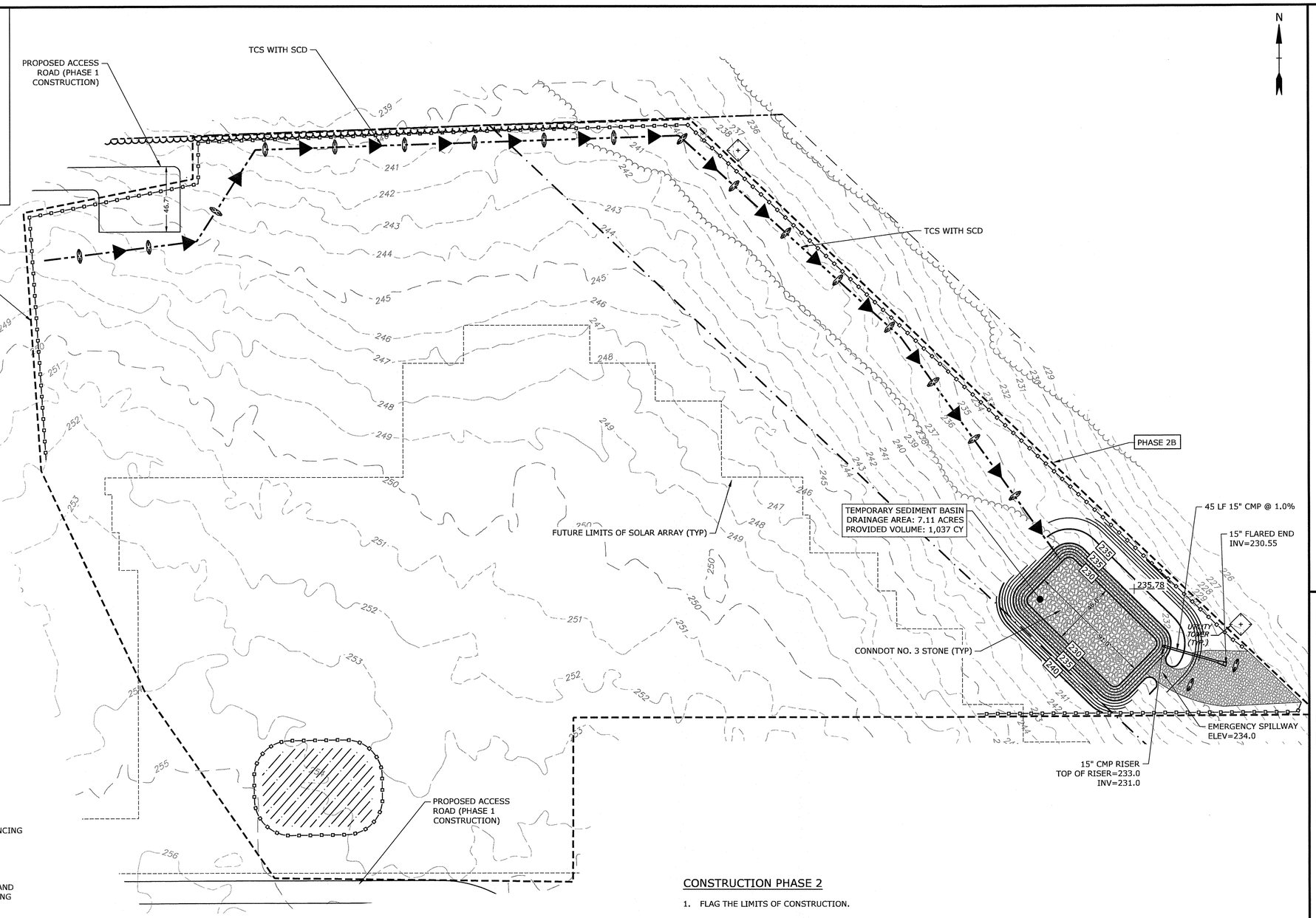
SCALE: 1" = 40'

SESC-8

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-4:35pm By: DGM
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



PHASE 2B SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 7.11 ACRES WILL BE DISTURBED DURING PHASE 2B.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 2B INCLUDES GRUBBING.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT BASIN SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 2 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

PHASE LIMIT LINE

FUTURE LIMIT OF SOLAR ARRAY

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

CONSTRUCTION PHASE 2

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS. CLEAR TREES IN ORDER TO ACCESS PROPOSED TEMPORARY CONTROL AREAS ONLY.
5. ONCE TEMPORARY STORMWATER CONTROLS AREA ESTABLISHED, CLEAR AND GRUB EXISTING STUMPS. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
6. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
7. TEMPORARY CONTROLS TO REMAIN IN PLACE THROUGH PHASE 4 CONSTRUCTION.

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
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PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

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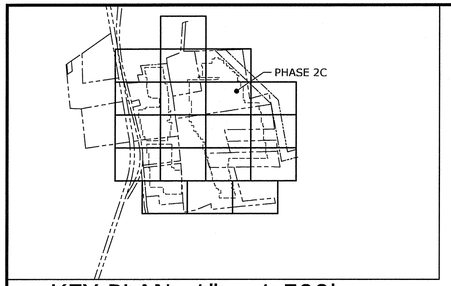
SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 2B

SCALE: 1" = 40'

SESC-9

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-5:00pm By: AGilchrist
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'

PHASE 2C SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 9.53 ACRES WILL BE DISTURBED DURING PHASE 2C.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 2C INCLUDES GRUBBING.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT BASIN SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

CONSTRUCTION PHASE 2

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
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7. TEMPORARY CONTROLS TO REMAIN IN PLACE THROUGH PHASE 4 CONSTRUCTION.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 2 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
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LEGEND

PHASE LIMIT LINE

FUTURE LIMIT OF SOLAR ARRAY

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

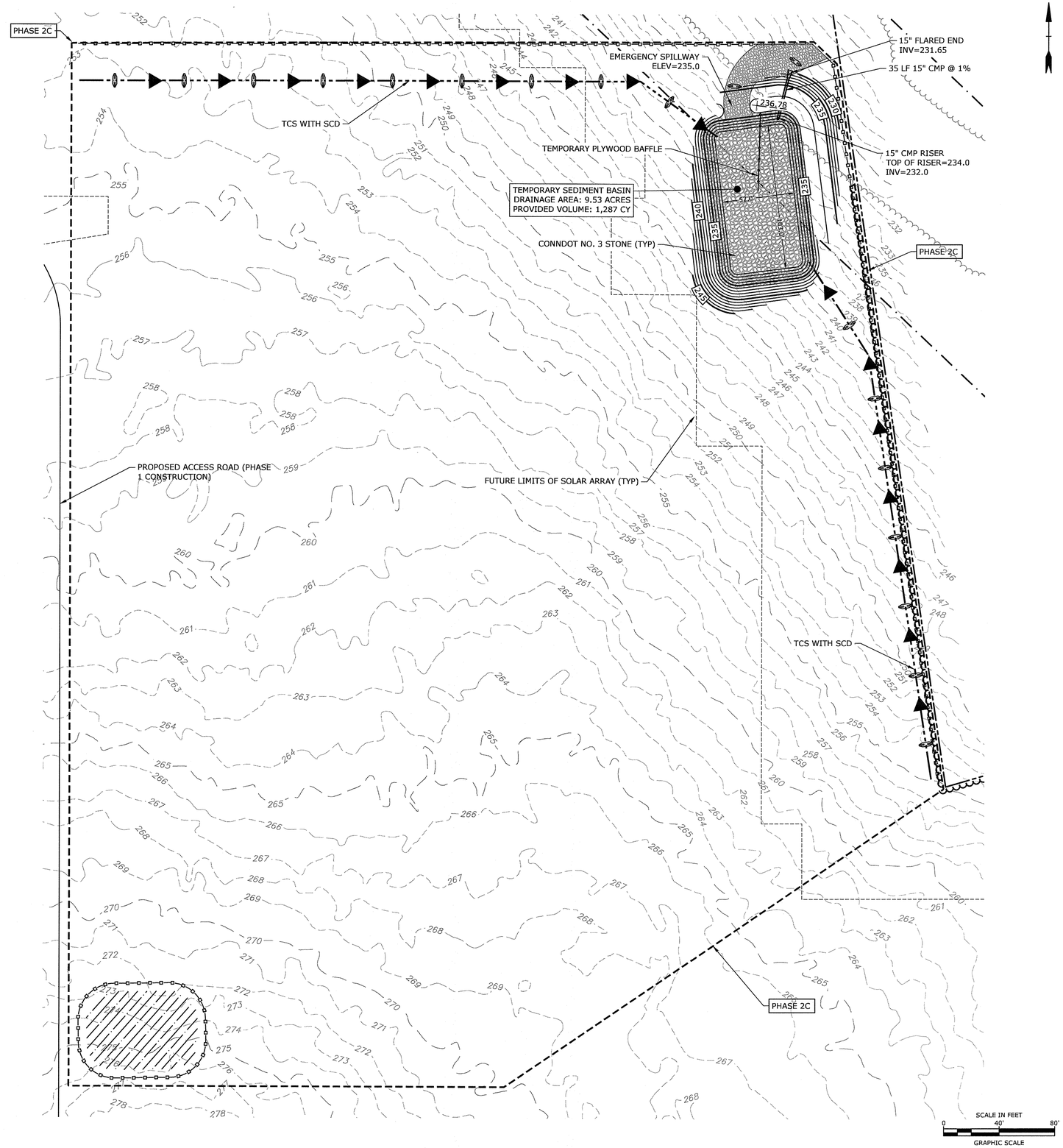
EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE



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1-20-20

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SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 2C

SCALE: 1" = 40'

SESC-10

Last Saved: 1/20/2020
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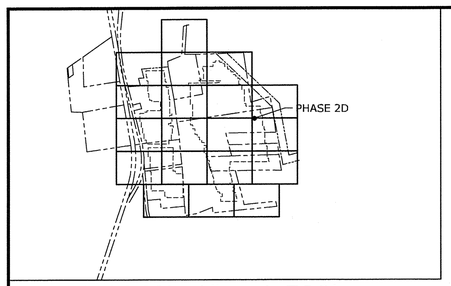
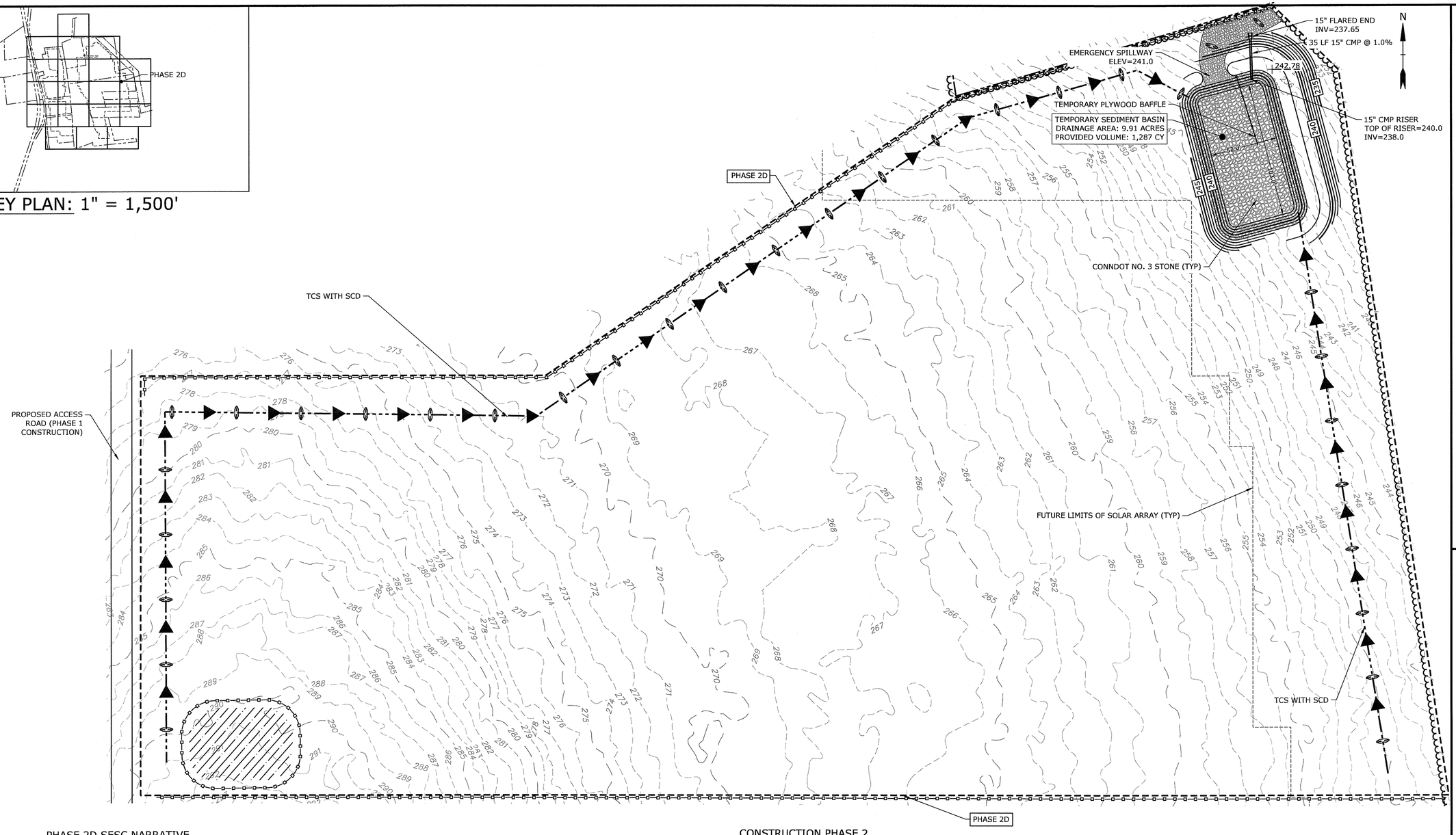


KEY PLAN: 1" = 1,500'



PHASE 2D SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 9.91 ACRES WILL BE DISTURBED DURING PHASE 2D.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 2D INCLUDES GRUBBING.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT BASIN SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 2 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

CONSTRUCTION PHASE 2

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS. CLEAR TREES IN ORDER TO ACCESS PROPOSED TEMPORARY CONTROL AREAS ONLY.
5. ONCE TEMPORARY STORMWATER CONTROLS AREA ESTABLISHED, CLEAR AND GRUB EXISTING STUMPS. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
6. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
7. TEMPORARY CONTROLS TO REMAIN IN PLACE THROUGH PHASE 4 CONSTRUCTION.

LEGEND

PHASE LIMIT LINE
FUTURE LIMIT OF SOLAR ARRAY
PERIMETER EROSION CONTROL
TEMP. CONVEYANCE SWALE WITH SCD
TEMPORARY SOIL STOCKPILE
EXISTING LIMIT OF VEGETATION
PROPOSED LIMIT OF VEGETATION

S&E CODES

SCD STONE CHECK DAM
TCS TEMP. CONVEYANCE SWALE

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. MONTEIT
No. 31180
LICENSED PROFESSIONAL ENGINEER
1-28-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION
1	12/19	Updated Layout
0	-	Initial Release

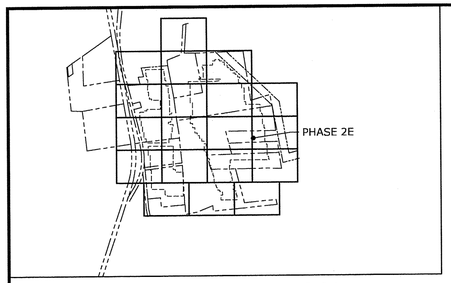
PROJECT NO:	R-0317
DATE:	10/22/2018
FILE:	R0317-Nutmeg-Cons_SESC Phasing.dwg
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 2D

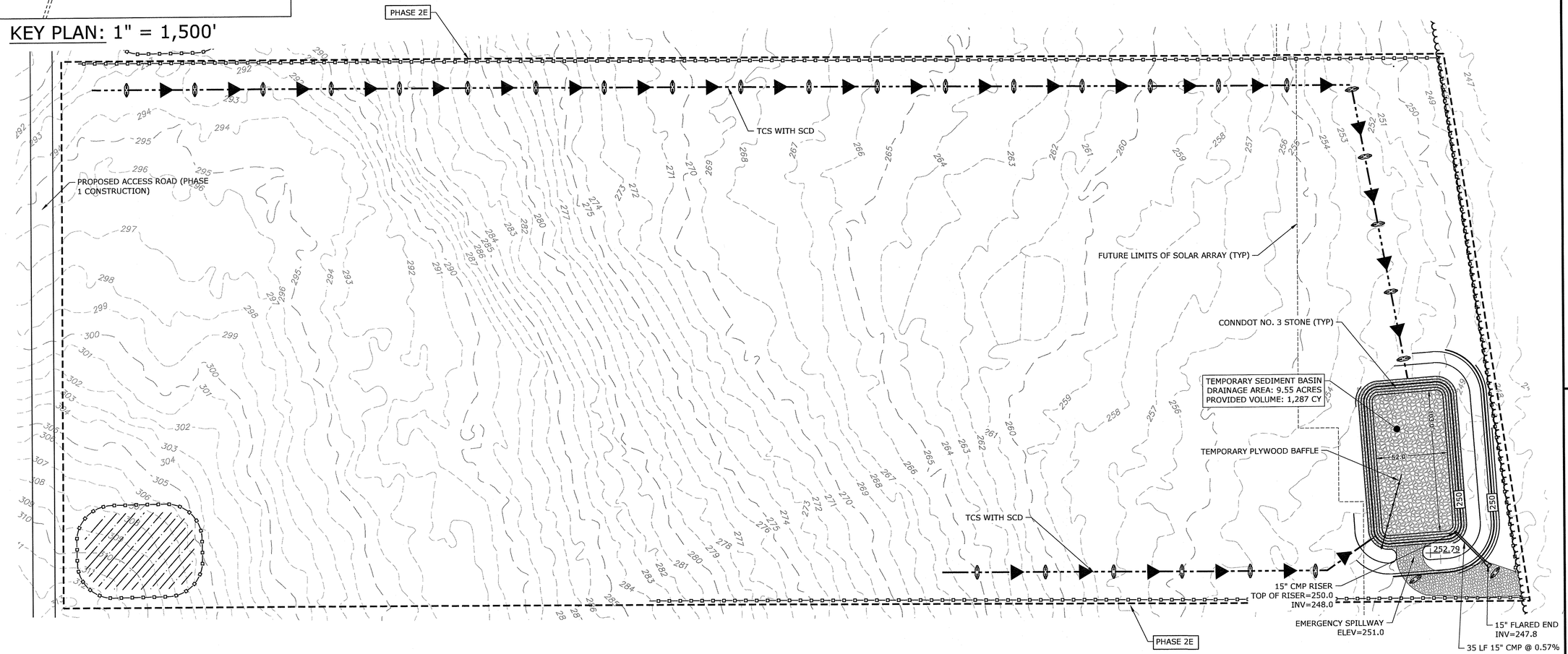
SCALE: 1" = 40'

SESC-11

Last Saved: 1/28/2020
Plotted On:Jan 28, 2020-5:07pm By: AGilchrist
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED
PROFESSIONAL ENGINEER
1-30-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

PHASE 2E SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 9.55 ACRES WILL BE DISTURBED DURING PHASE 2E.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 2E INCLUDES GRUBBING.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT BASIN SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 4 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

CONSTRUCTION PHASE 2

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS. CLEAR TREES IN ORDER TO ACCESS PROPOSED TEMPORARY CONTROL AREAS ONLY.
5. ONCE TEMPORARY STORMWATER CONTROLS AREA ESTABLISHED, CLEAR AND GRUB EXISTING STUMPS. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
6. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
7. TEMPORARY CONTROLS TO REMAIN IN PLACE THROUGH PHASE 4 CONSTRUCTION.

LEGEND

PHASE LIMIT LINE

FUTURE LIMIT OF SOLAR ARRAY

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

MARK	DATE	DESCRIPTION
1	12/19	Updated Layout
0	-	Initial Release

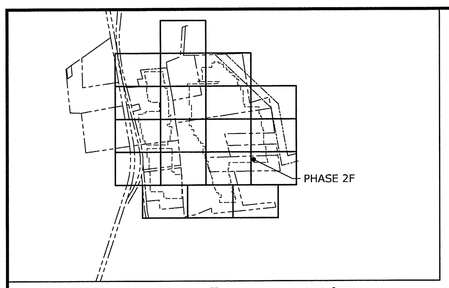
PROJECT NO:	R-0317
DATE:	10/22/2018
FILE:	R0317-Nutmeg-Cons_SESC Phasing.dwg
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 2E

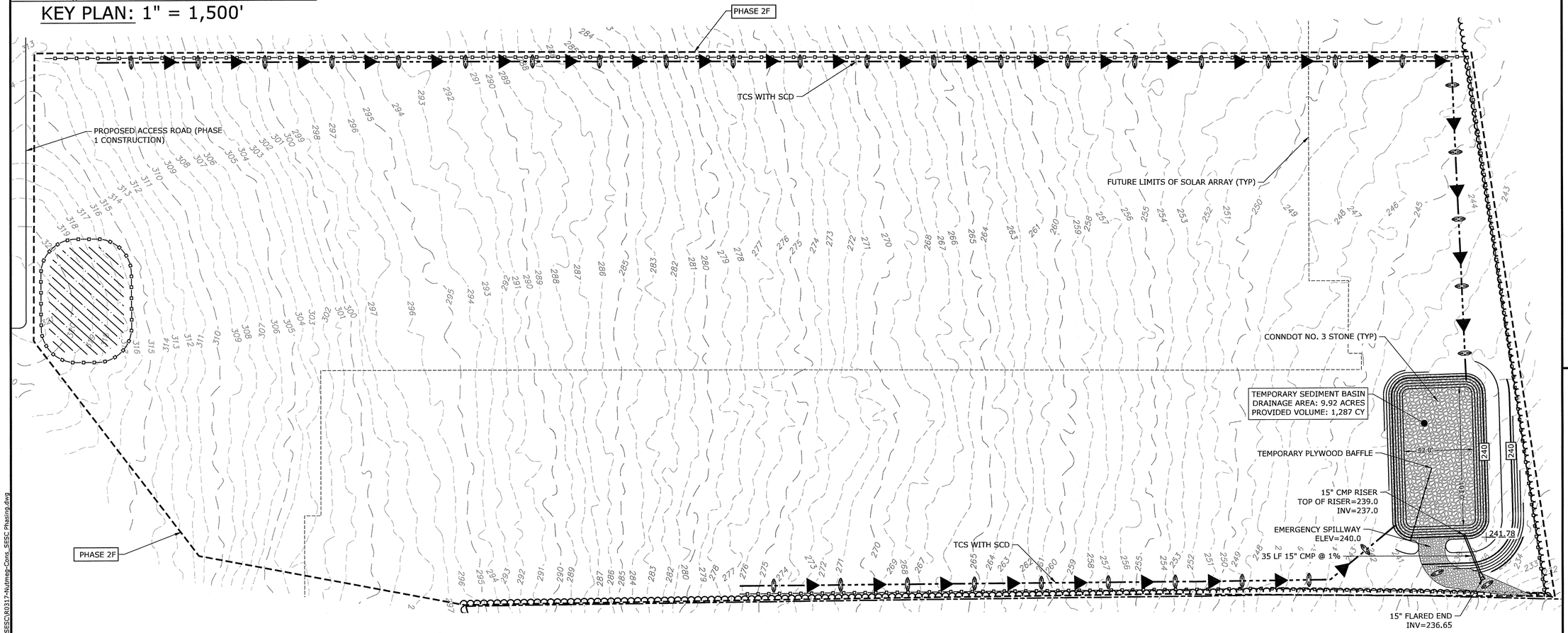
SCALE: 1" = 40'

SESC-12

Last Saved: 1/29/2020
Plotted On:Jan 30, 2020-5:10pm By: AGilchrist
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



CONSTRUCTION PHASE 2

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS. CLEAR TREES IN ORDER TO ACCESS PROPOSED TEMPORARY CONTROL AREAS ONLY.
5. ONCE TEMPORARY STORMWATER CONTROLS AREA ESTABLISHED, CLEAR AND GRUB EXISTING STUMPS. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
6. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
7. TEMPORARY CONTROLS TO REMAIN IN PLACE THROUGH PHASE 4 CONSTRUCTION.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 2 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

PHASE 2F SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 9.92 ACRES WILL BE DISTURBED DURING PHASE 2F.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 2F INCLUDES GRUBBING.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT BASIN SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

LEGEND

PHASE LIMIT LINE
FUTURE LIMIT OF SOLAR ARRAY
PERIMETER EROSION CONTROL
TEMP. CONVEYANCE SWALE WITH SCD
TEMPORARY SOIL STOCKPILE
EXISTING LIMIT OF VEGETATION
PROPOSED LIMIT OF VEGETATION

S&E CODES

SCD STONE CHECK DAM
TCS TEMP. CONVEYANCE SWALE

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED
PROFESSIONAL ENGINEER
1-29-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION
1	12/19	Updated Layout
0	-	Initial Release

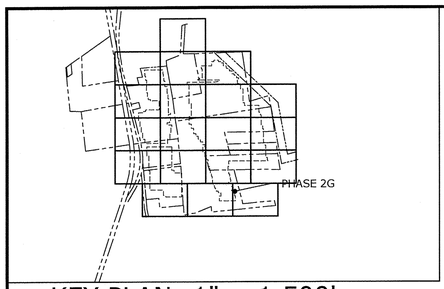
PROJECT NO:	R-0317
DATE:	10/22/2018
FILE:	R0317-Nutmeg-Cons_SESC Phasing.dwg
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 2F

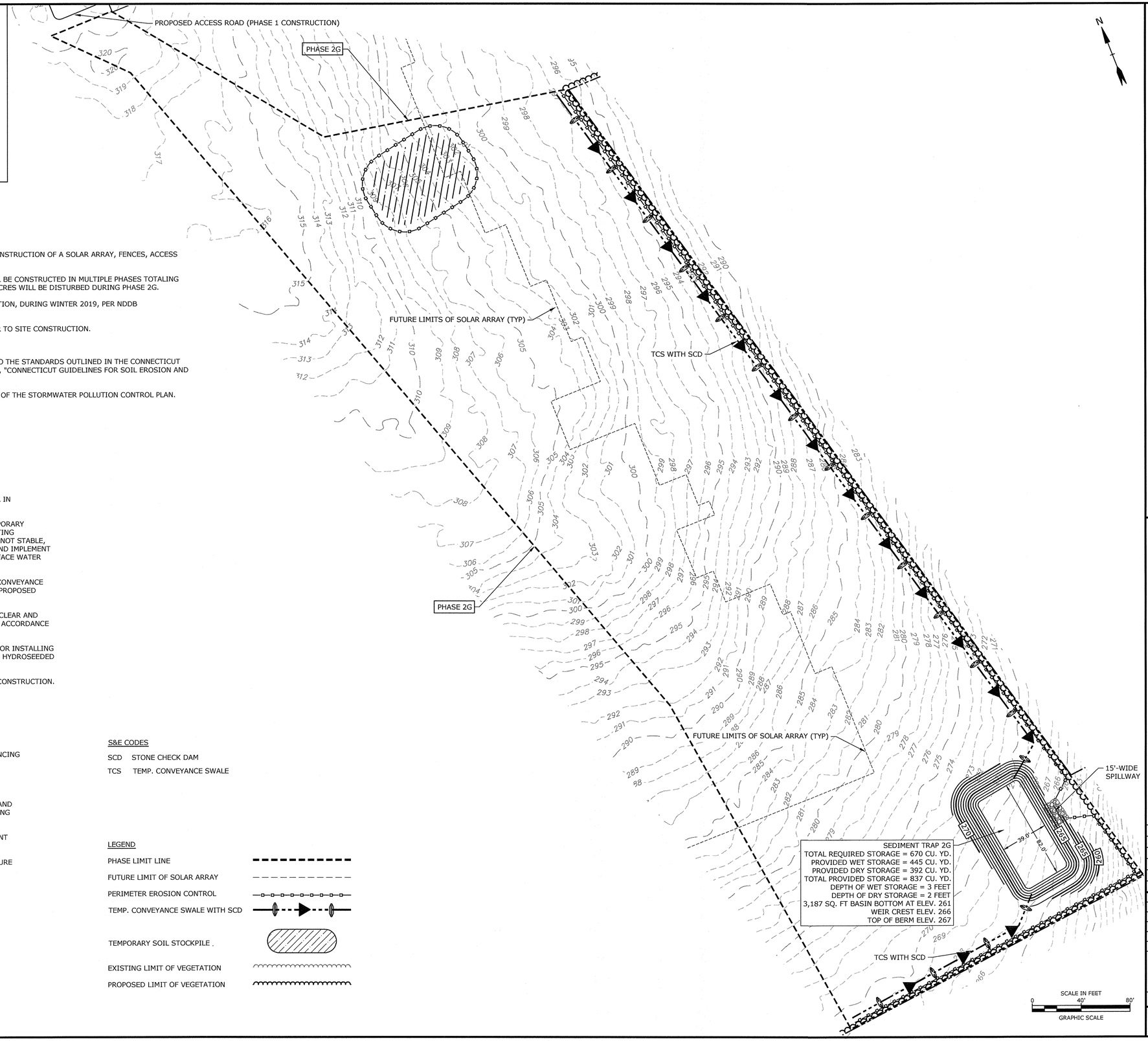
SCALE: 1" = 40'

SESC-13

Last Saved: 1/29/2020
Plotted On:Jan 29, 2020-5:13am By: AGilchrist
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



PHASE 2G SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 131 ACRES OF DISTURBANCE. APPROXIMATELY 5.00 ACRES WILL BE DISTURBED DURING PHASE 2G.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 2G INCLUDES GRUBBING.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT TRAP SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

CONSTRUCTION PHASE 2

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS. CLEAR TREES IN ORDER TO ACCESS PROPOSED TEMPORARY CONTROL AREAS ONLY.
5. ONCE TEMPORARY STORMWATER CONTROLS AREA ESTABLISHED, CLEAR AND GRUB EXISTING STUMPS. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
6. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
7. TEMPORARY CONTROLS TO REMAIN IN PLACE THROUGH PHASE 4 CONSTRUCTION.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 2 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

PHASE LIMIT LINE

FUTURE LIMIT OF SOLAR ARRAY

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED
PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION
1	12/19	Updated Layout
0	-	Initial Release

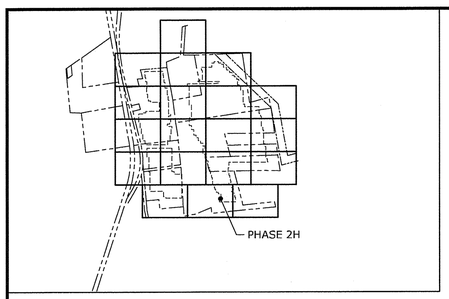
PROJECT NO:	R-0317
DATE:	10/22/2018
FILE:	R0317-Nutmeg-Cons_SESC Phasing.dwg
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 2G

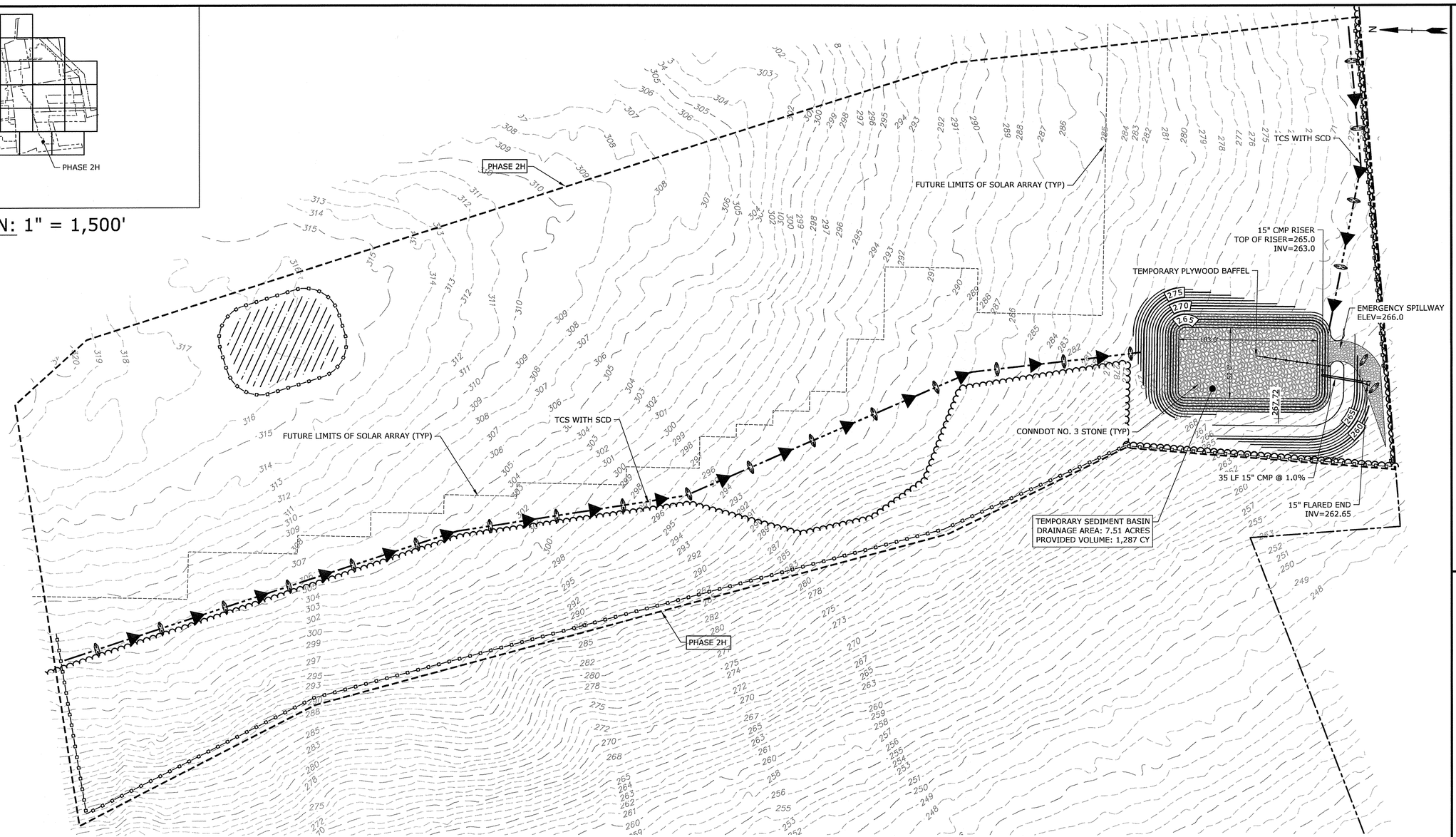
SCALE: 1" = 40'

SESC-14

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-4:55pm By: DGM
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



PHASE 2H SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES ARE PROPOSED TO BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 7.51 ACRES WILL BE DISTURBED DURING PHASE 2H.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 2H INCLUDES GRUBBING.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT BASIN SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 2 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

CONSTRUCTION PHASE 2

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS. CLEAR TREES IN ORDER TO ACCESS PROPOSED TEMPORARY CONTROL AREAS ONLY.
5. ONCE TEMPORARY STORMWATER CONTROLS AREA ESTABLISHED, CLEAR AND GRUB EXISTING STUMPS. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
6. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
7. TEMPORARY CONTROLS TO REMAIN IN PLACE THROUGH PHASE 4 CONSTRUCTION.

LEGEND

PHASE LIMIT LINE
FUTURE LIMIT OF SOLAR ARRAY
PERIMETER EROSION CONTROL
TEMP. CONVEYANCE SWALE WITH SCD
TEMPORARY SOIL STOCKPILE
EXISTING LIMIT OF VEGETATION
PROPOSED LIMIT OF VEGETATION

S&E CODES

SCD STONE CHECK DAM
TCS TEMP. CONVEYANCE SWALE

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION
1	12/19	Updated Layout
0	-	Initial Release

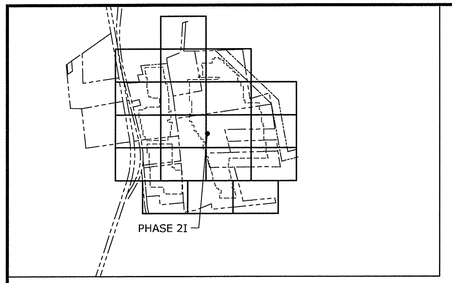
PROJECT NO:	R-0317
DATE:	10/22/2018
FILE:	R0317-Nutmeg-Cons_SESC Phasing.dwg
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 2H

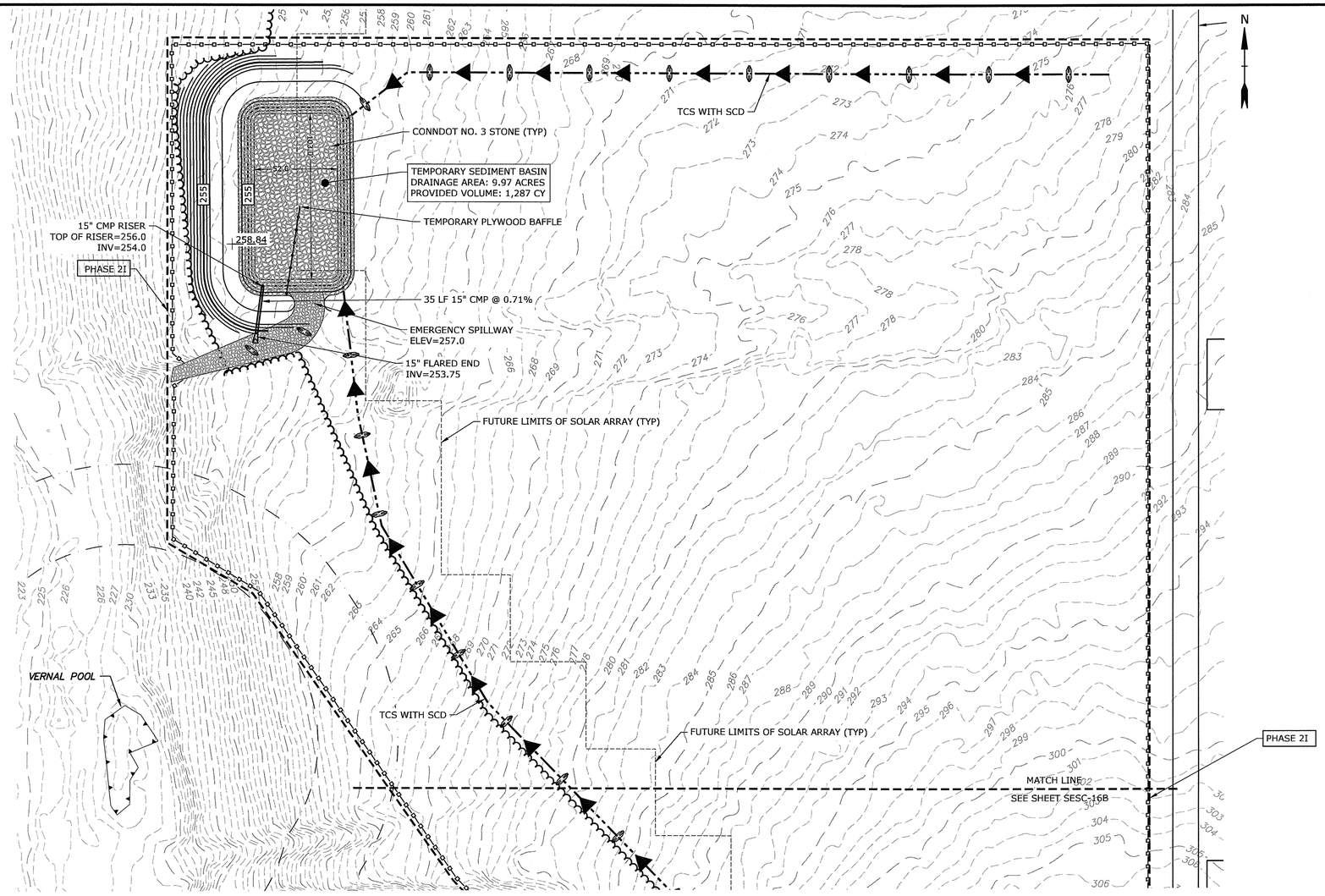
SCALE: 1" = 40'

SESC-15

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-5:16pm By: AGilchrist
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



CONSTRUCTION PHASE 2

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS. CLEAR TREES IN ORDER TO ACCESS PROPOSED TEMPORARY CONTROL AREAS ONLY.
5. ONCE TEMPORARY STORMWATER CONTROLS AREA ESTABLISHED, CLEAR AND GRUB EXISTING STUMPS. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
6. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
7. TEMPORARY CONTROLS TO REMAIN IN PLACE THROUGH PHASE 4 CONSTRUCTION.

PHASE 2I SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 9.97 ACRES WILL BE DISTURBED DURING PHASE 2I.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 2I INCLUDES GRUBBING.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT BASIN SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 2 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

PHASE LIMIT LINE

FUTURE LIMIT OF SOLAR ARRAY

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
1-28-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

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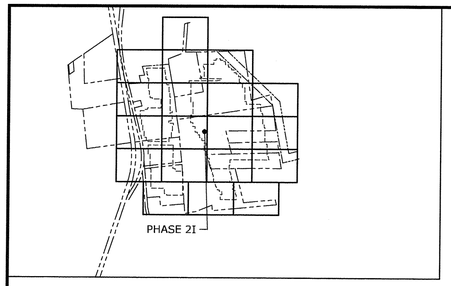
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 2IA

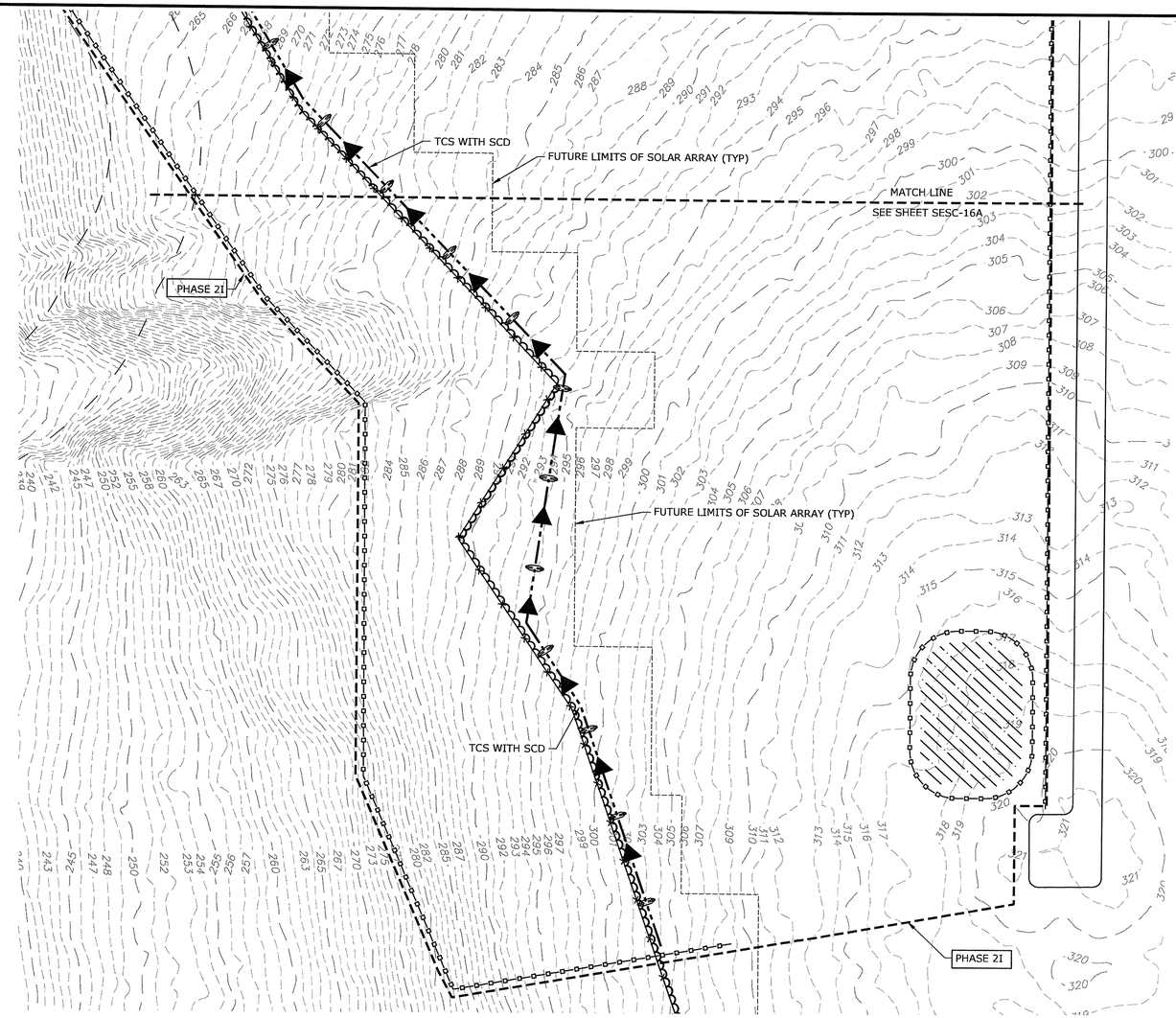
SCALE: 1" = 40'

SESC-16A

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-5:18pm By: AGilchrist
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



CONSTRUCTION PHASE 2

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
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6. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
7. TEMPORARY CONTROLS TO REMAIN IN PLACE THROUGH PHASE 4 CONSTRUCTION.

PHASE 2I SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 9.97 ACRES WILL BE DISTURBED DURING PHASE 2I.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 2I INCLUDES GRUBBING.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT BASIN SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 2 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
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3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
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5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

LEGEND

PHASE LIMIT LINE
FUTURE LIMIT OF SOLAR ARRAY
PERIMETER EROSION CONTROL
TEMP. CONVEYANCE SWALE WITH SCD
TEMPORARY SOIL STOCKPILE
EXISTING LIMIT OF VEGETATION
PROPOSED LIMIT OF VEGETATION

S&E CODES

SCD STONE CHECK DAM
TCS TEMP. CONVEYANCE SWALE

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED
PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

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CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 2IB

SCALE: 1" = 40'

SESC-16B

Last Saved: 1/20/2020
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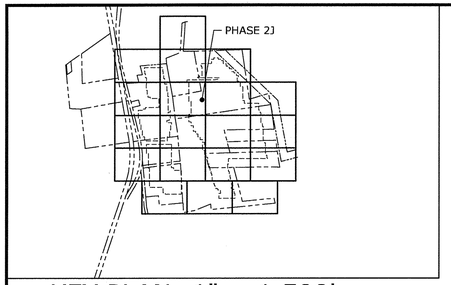
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'

PHASE 2J SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 10.00 ACRES WILL BE DISTURBED DURING PHASE 2J.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 2J INCLUDES GRUBBING.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT BASIN SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

CONSTRUCTION PHASE 2

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
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5. ONCE TEMPORARY STORMWATER CONTROLS AREA ESTABLISHED, CLEAR AND GRUB EXISTING STUMPS. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
6. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
7. TEMPORARY CONTROLS TO REMAIN IN PLACE THROUGH PHASE 4 CONSTRUCTION.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 2 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
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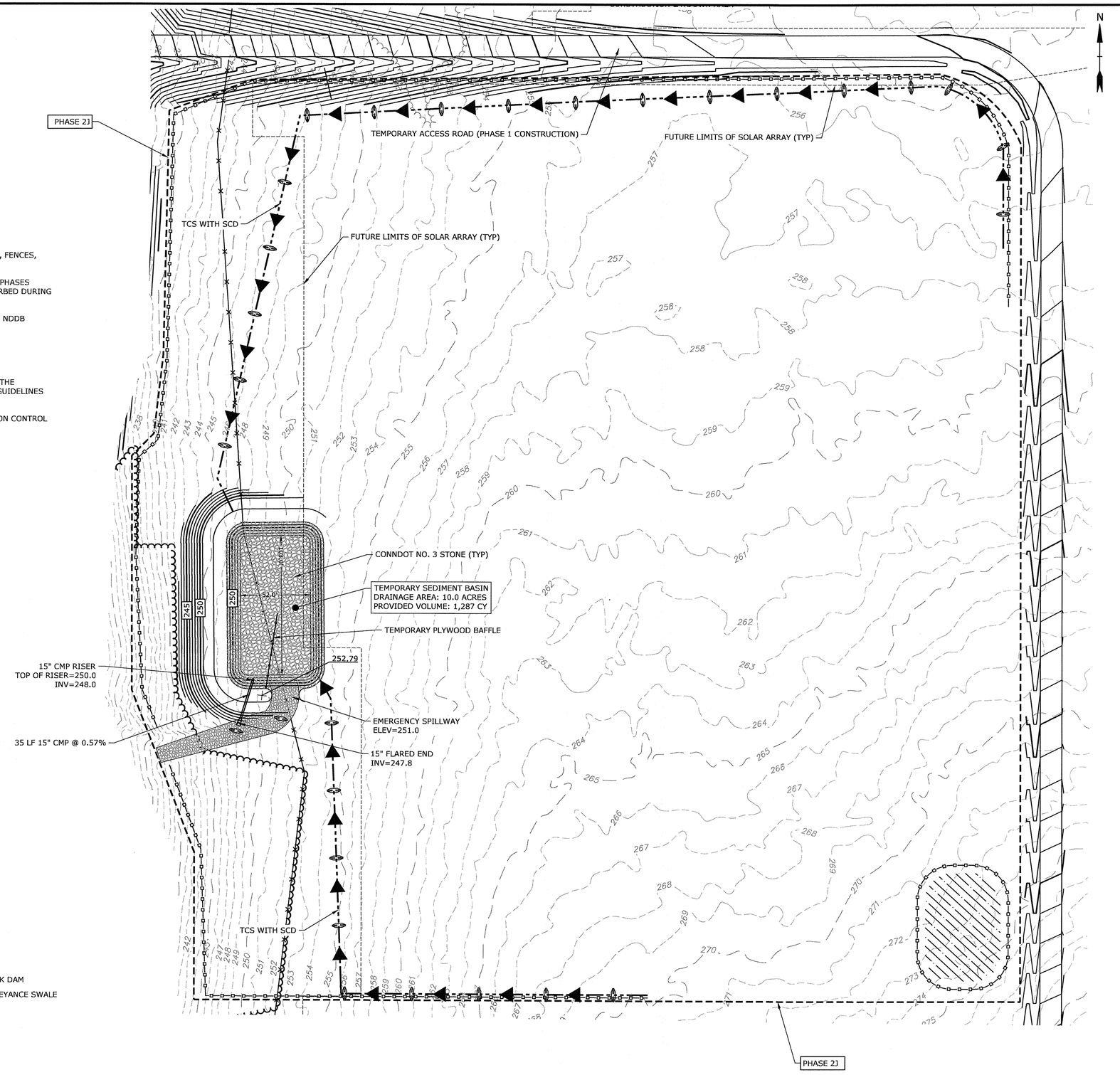
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

LEGEND

PHASE LIMIT LINE
FUTURE LIMIT OF SOLAR ARRAY
PERIMETER EROSION CONTROL
TEMP. CONVEYANCE SWALE WITH SCD
TEMPORARY SOIL STOCKPILE
EXISTING LIMIT OF VEGETATION
PROPOSED LIMIT OF VEGETATION

S&E CODES

SCD STONE CHECK DAM
TCS TEMP. CONVEYANCE SWALE



Tighe&Bond

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SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 2J

SCALE: 1" = 40'

SESC-17

Last Saved: 1/20/2020
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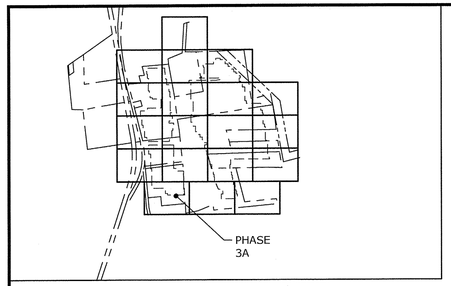
SOIL EROSION AND SEDIMENT CONTROL PLAN
PHASE 3 - OVERALL

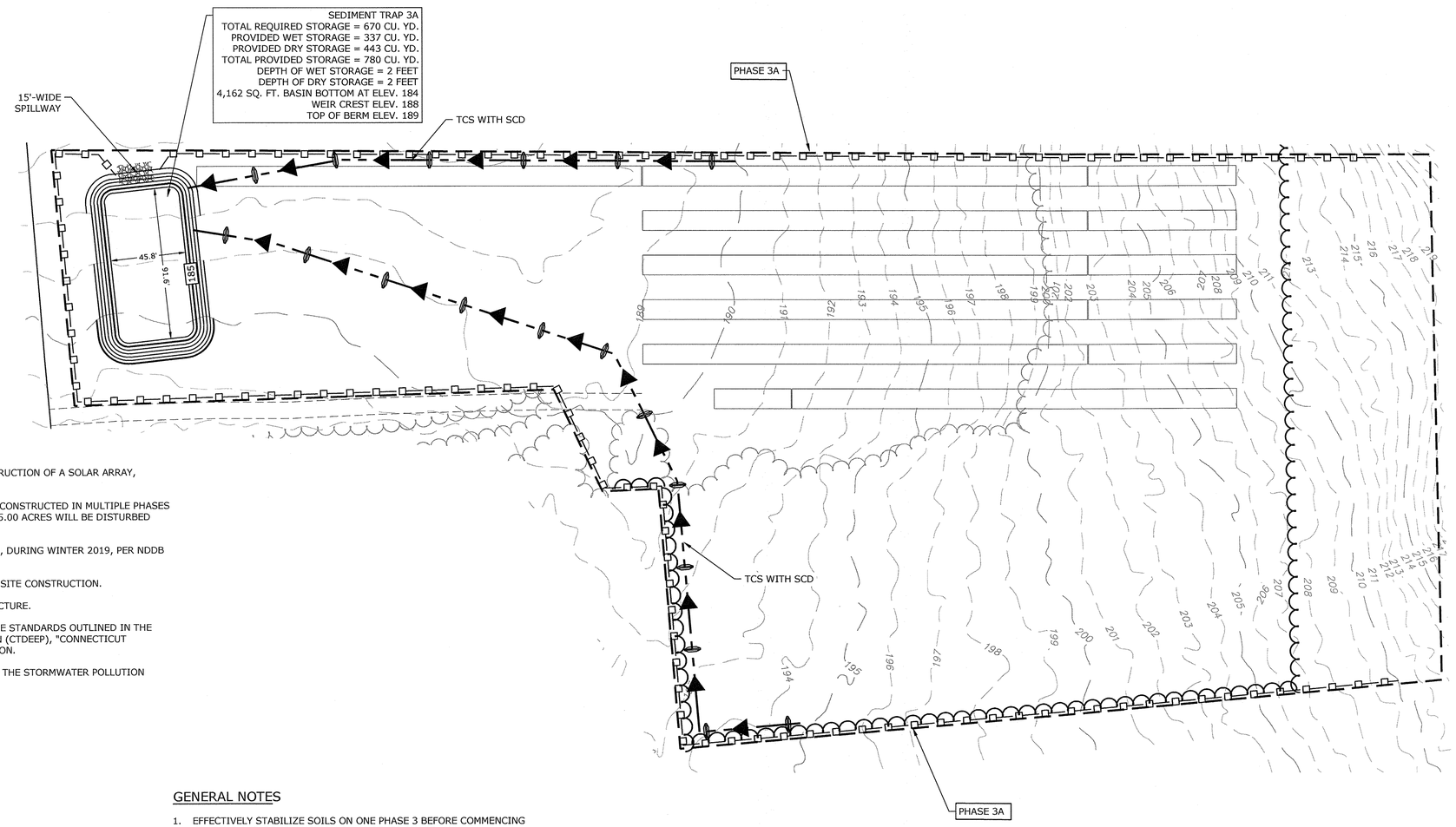
SCALE: 1" = 200'

SESC-18

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-4:41pm By: NSC
Tighe & Bond: \\tighebond.com\data\Data\Projects\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



PHASE 3A SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 5.00 ACRES WILL BE DISTURBED DURING PHASE 3A.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 3A INCLUDES GRUBBING, AND INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT BASIN SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

CONSTRUCTION PHASE 3

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS.
5. CLEAR AND GRUB EXISTING STUMPS AS NEEDED. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
6. INSTALL SOLAR INFRASTRUCTURE INCLUDING RACKING, SOLAR PANELS, UTILITY CONNECTIONS, EQUIPMENT PADS, ETC. SOLAR ARRAY CONSTRUCTION WILL OCCUR STARTING AT ONE END OR THE CENTER OF A ROW WITH THE PILES OR GROUND SCREWS DRIVEN FIRST, THEN THE RACKING AND PANELS WILL BE INSTALLED ON THE PILES AND THE CONSTRUCTION WILL CONTINUE DOWN EACH ROW TO THE END OF THE ROW.
7. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
8. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 3 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

PHASE LIMIT LINE

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

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SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 3A

SCALE: 1" = 40'

SESC-19

Last Saved: 1/20/2020
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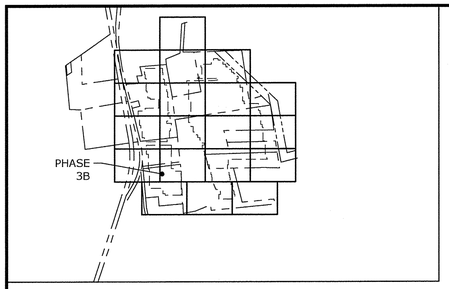
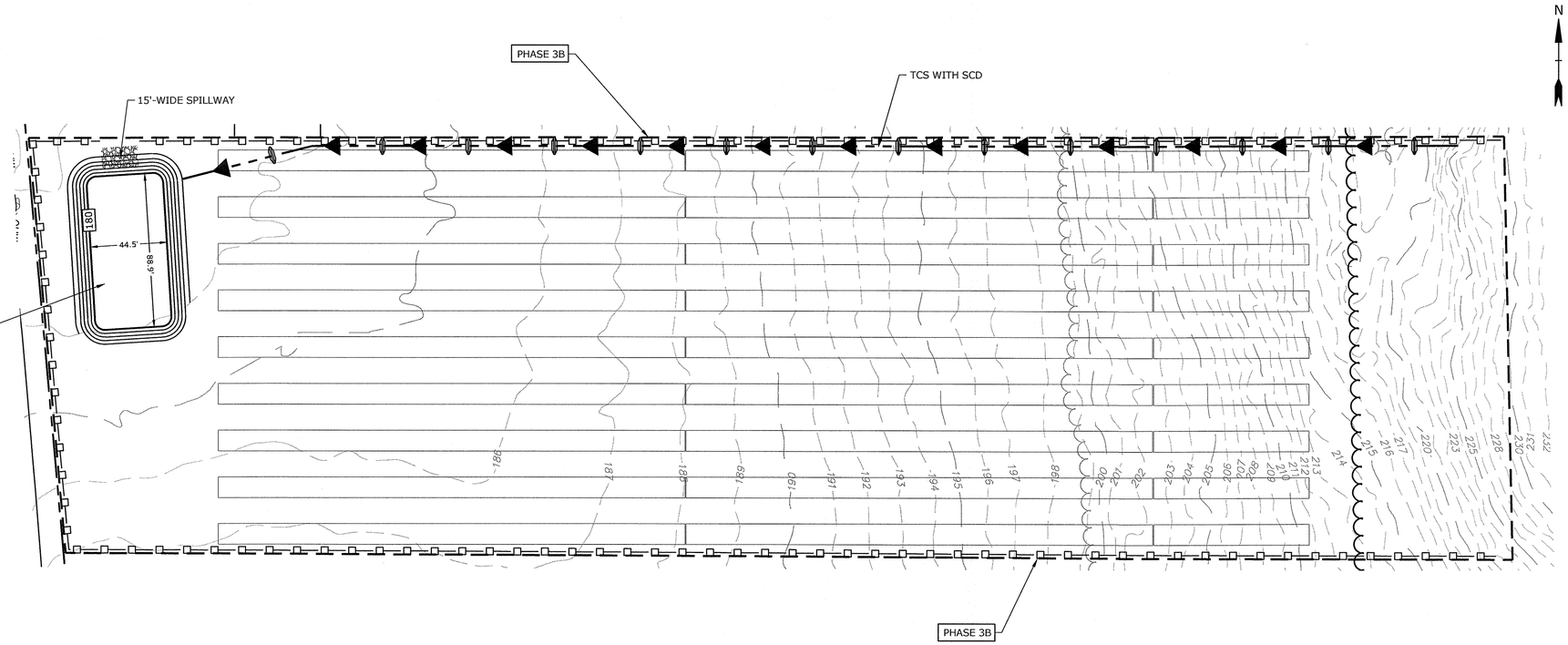
Tighe & Bond: \\tighebond.com\data\Data\Projects\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



PHASE 3B SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 4.73 ACRES WILL BE DISTURBED DURING PHASE 3B.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 3B INCLUDES GRUBBING, AND INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT TRAP SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 3 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

CONSTRUCTION PHASE 3

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS.
5. CLEAR AND GRUB EXISTING STUMPS AS NEEDED. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
6. INSTALL SOLAR INFRASTRUCTURE INCLUDING RACKING, SOLAR PANELS, UTILITY CONNECTIONS, EQUIPMENT PADS, ETC. SOLAR ARRAY CONSTRUCTION WILL OCCUR STARTING AT ONE END OR THE CENTER OF A ROW WITH THE PILES OR GROUND SCREWS DRIVEN FIRST, THEN THE RACKING AND PANELS WILL BE INSTALLED ON THE PILES AND THE CONSTRUCTION WILL CONTINUE DOWN EACH ROW TO THE END OF THE ROW.
7. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
8. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

PHASE LIMIT LINE

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED
PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION
1	12/19	Updated Layout
0	-	Initial Release

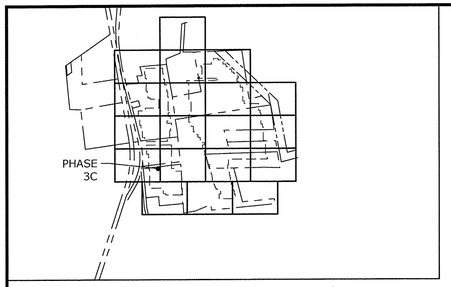
PROJECT NO:	R-0317
DATE:	10/22/2018
FILE:	R0317-Nutmeg-Cons_SESC Phasing.dwg
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 3B

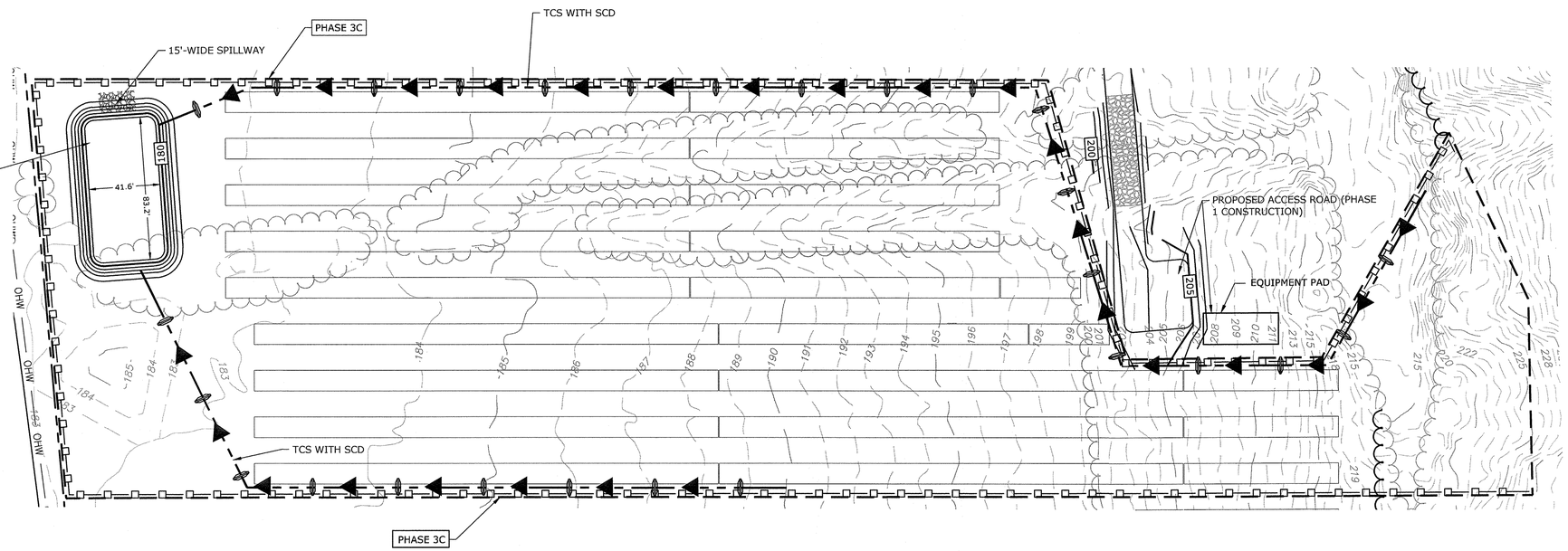
SCALE: 1" = 40'

SESC-20

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-4:45pm By: NSC
Tighe & Bond:\\tighebond.com\data\Projects\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



PHASE 3C SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 4.07 ACRES WILL BE DISTURBED DURING PHASE 3C.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 3C INCLUDES GRUBBING, AND INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT TRAP SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 3 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

CONSTRUCTION PHASE 3

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS.
5. CLEAR AND GRUB EXISTING STUMPS AS NEEDED. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
6. INSTALL SOLAR INFRASTRUCTURE INCLUDING RACKING, SOLAR PANELS, UTILITY CONNECTIONS, EQUIPMENT PADS, ETC. SOLAR ARRAY CONSTRUCTION WILL OCCUR STARTING AT ONE END OR THE CENTER OF A ROW WITH THE PILES OR GROUND SCREWS DRIVEN FIRST, THEN THE RACKING AND PANELS WILL BE INSTALLED ON THE PILES AND THE CONSTRUCTION WILL CONTINUE DOWN EACH ROW TO THE END OF THE ROW.
7. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
8. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

PHASE LIMIT LINE

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED
PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION
1	12/19	Updated Layout
0	-	Initial Release

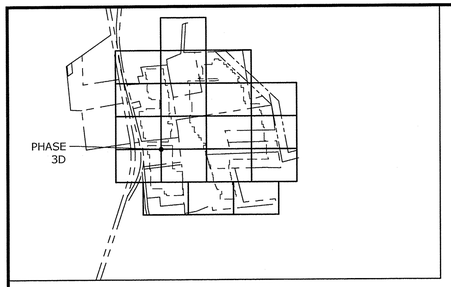
PROJECT NO:	R-0317
DATE:	10/22/2018
FILE:	R0317-Nutmeg-Cons_SESC Phasing.dwg
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 3C

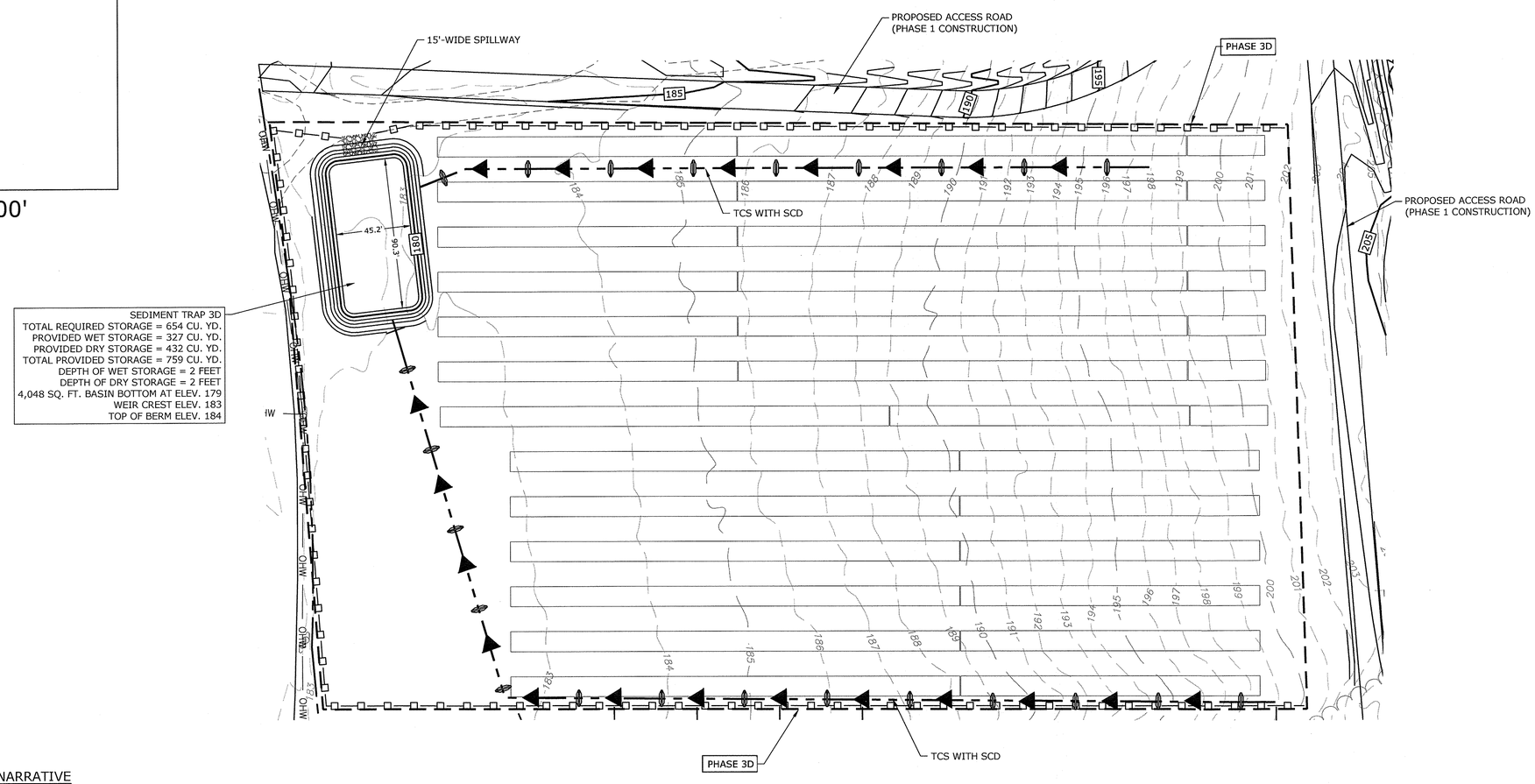
SCALE: 1" = 40'

SESC-21

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-4:48pm By: NSC
Tighe & Bond: \\tighebond.com\data\Data\Projects\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



SEDIMENT TRAP 3D
TOTAL REQUIRED STORAGE = 654 CU. YD.
PROVIDED WET STORAGE = 327 CU. YD.
PROVIDED DRY STORAGE = 432 CU. YD.
TOTAL PROVIDED STORAGE = 759 CU. YD.
DEPTH OF WET STORAGE = 2 FEET
DEPTH OF DRY STORAGE = 2 FEET
4,048 SQ. FT. BASIN BOTTOM AT ELEV. 179
WEIR CREST ELEV. 183
TOP OF BERM ELEV. 184

PHASE 3D SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 4.88 ACRES WILL BE DISTURBED DURING PHASE 3D.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 3D INCLUDES GRUBBING, AND INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT TRAP SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 3 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

CONSTRUCTION PHASE 3

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS.
5. CLEAR AND GRUB EXISTING STUMPS AS NEEDED. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
6. INSTALL SOLAR INFRASTRUCTURE INCLUDING RACKING, SOLAR PANELS, UTILITY CONNECTIONS, EQUIPMENT PADS, ETC. SOLAR ARRAY CONSTRUCTION WILL OCCUR STARTING AT ONE END OR THE CENTER OF A ROW WITH THE PILES OR GROUND SCREWS DRIVEN FIRST, THEN THE RACKING AND PANELS WILL BE INSTALLED ON THE PILES AND THE CONSTRUCTION WILL CONTINUE DOWN EACH ROW TO THE END OF THE ROW.
7. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
8. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

PHASE LIMIT LINE

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED
PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION
1	12/19	Updated Layout
0	-	Initial Release

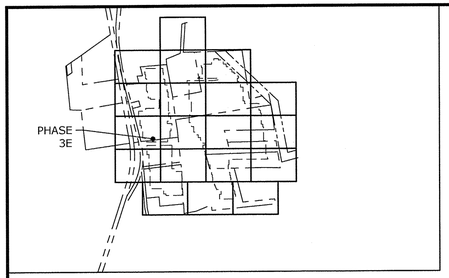
PROJECT NO:	R-0317
DATE:	10/22/2018
FILE:	R0317-Nutmeg-Cons_SESC Phasing.dwg
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 3D

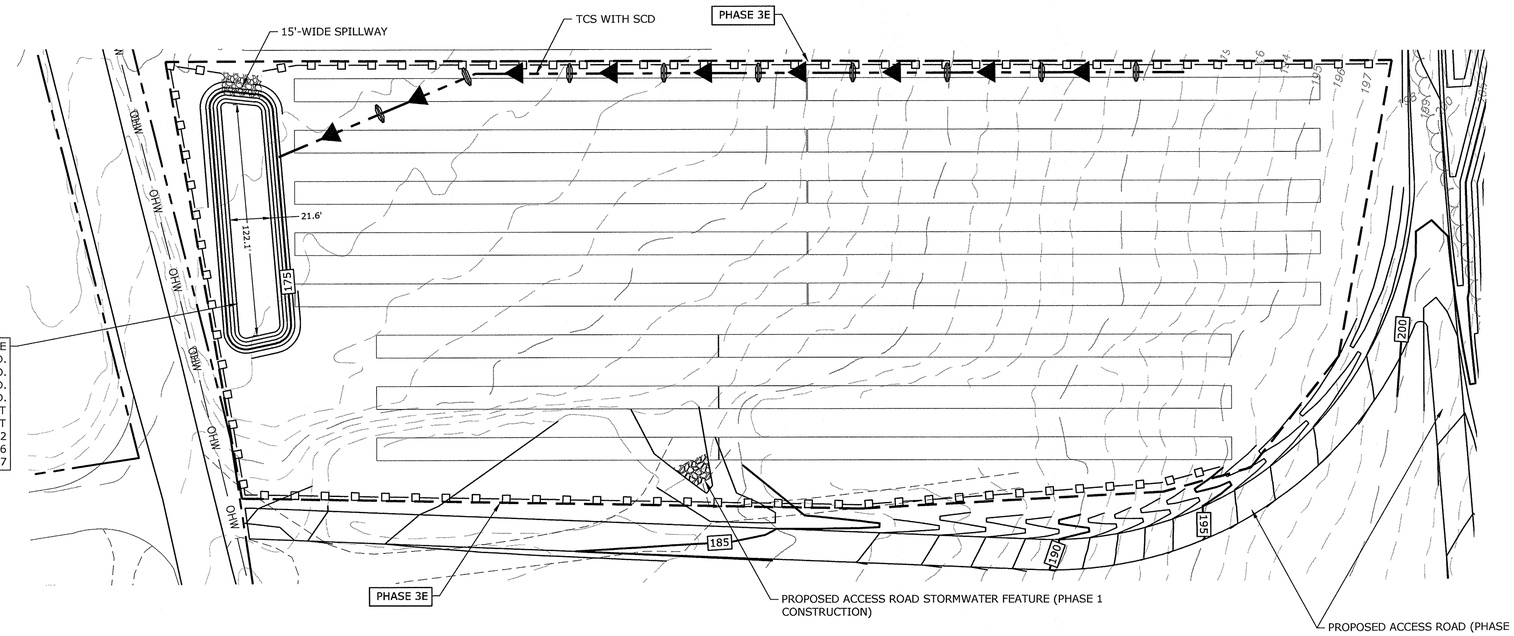
SCALE: 1" = 40'

SESC-22

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-4:51pm By: NSC
Tighe & Bond: \\tighebond.com\data\Data\Projects\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



SEDIMENT TRAP 3E
TOTAL REQUIRED STORAGE = 427 CU. YD.
PROVIDED WET STORAGE = 239 CU. YD.
PROVIDED DRY STORAGE = 329 CU. YD.
TOTAL PROVIDED STORAGE = 568 CU. YD.
DEPTH OF WET STORAGE = 2 FEET
DEPTH OF DRY STORAGE = 2 FEET
2,632 SQ. FT BASIN BOTTOM AT ELEV. 172
WEIR CREST ELEV. 176
TOP OF BERM ELEV. 177

PHASE 3E SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 3.19 ACRES WILL BE DISTURBED DURING PHASE 3E.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 3E INCLUDES GRUBBING, AND INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT TRAP SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 3 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
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6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

CONSTRUCTION PHASE 3

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS.
5. CLEAR AND GRUB EXISTING STUMPS AS NEEDED. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
6. INSTALL SOLAR INFRASTRUCTURE INCLUDING RACKING, SOLAR PANELS, UTILITY CONNECTIONS, EQUIPMENT PADS, ETC. SOLAR ARRAY CONSTRUCTION WILL OCCUR STARTING AT ONE END OR THE CENTER OF A ROW WITH THE PILES OR GROUND SCREWS DRIVEN FIRST, THEN THE RACKING AND PANELS WILL BE INSTALLED ON THE PILES AND THE CONSTRUCTION WILL CONTINUE DOWN EACH ROW TO THE END OF THE ROW.
7. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
8. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

PHASE LIMIT LINE

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED
PROFESSIONAL ENGINEER
1-30-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION
1	12/19	Updated Layout
0	-	Initial Release

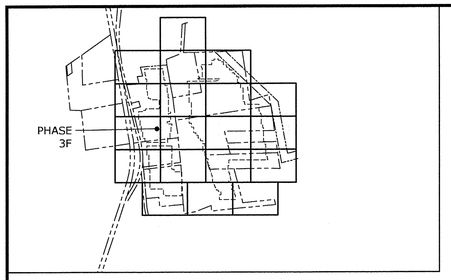
PROJECT NO:	R-0317
DATE:	10/22/2018
FILE:	R0317-Nutmeg-Cons_SESC Phasing.dwg
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 3E

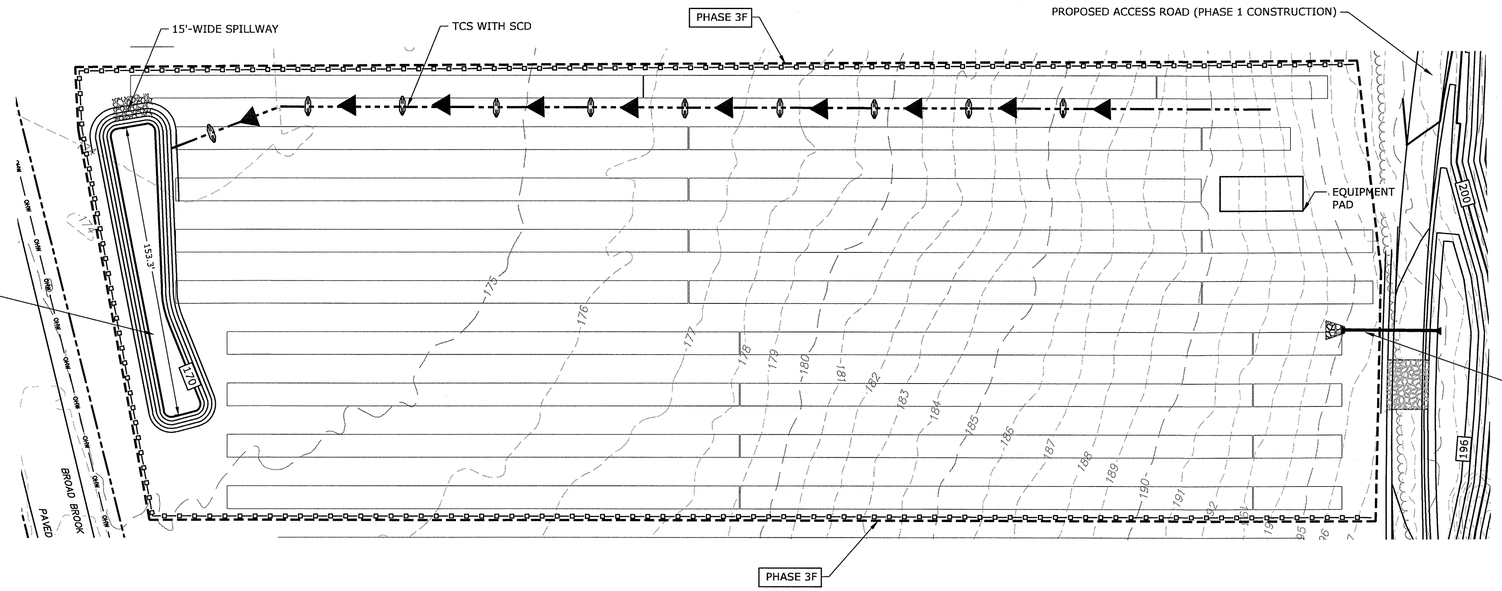
SCALE: 1" = 40'

SESC-23

Last Saved: 1/30/2020
Plotted On:Jan 30, 2020-4:53am By: NSC
Tighe & Bond: \\tighebond.com\data\Data\Projects\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



PHASE 3F SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 3.70 ACRES WILL BE DISTURBED DURING PHASE 3F.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 3E INCLUDES GRUBBING, AND INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT TRAP SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 3 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

CONSTRUCTION PHASE 3

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS.
5. CLEAR AND GRUB EXISTING STUMPS AS NEEDED. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
6. INSTALL SOLAR INFRASTRUCTURE INCLUDING RACKING, SOLAR PANELS, UTILITY CONNECTIONS, EQUIPMENT PADS, ETC. SOLAR ARRAY CONSTRUCTION WILL OCCUR STARTING AT ONE END OR THE CENTER OF A ROW WITH THE PILES OR GROUND SCREWS DRIVEN FIRST, THEN THE RACKING AND PANELS WILL BE INSTALLED ON THE PILES AND THE CONSTRUCTION WILL CONTINUE DOWN EACH ROW TO THE END OF THE ROW.
7. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
8. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

PHASE LIMIT LINE

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION
1	12/19	Updated Layout
0	-	Initial Release

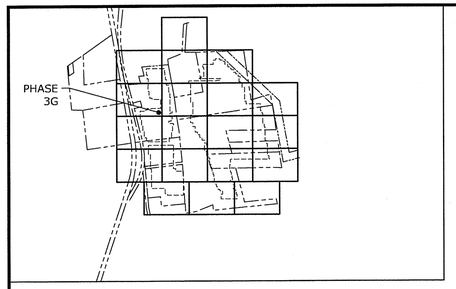
PROJECT NO:	R-0317
DATE:	10/22/2018
FILE:	R0317-Nutmeg-Cons_SESC Phasing.dwg
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 3F

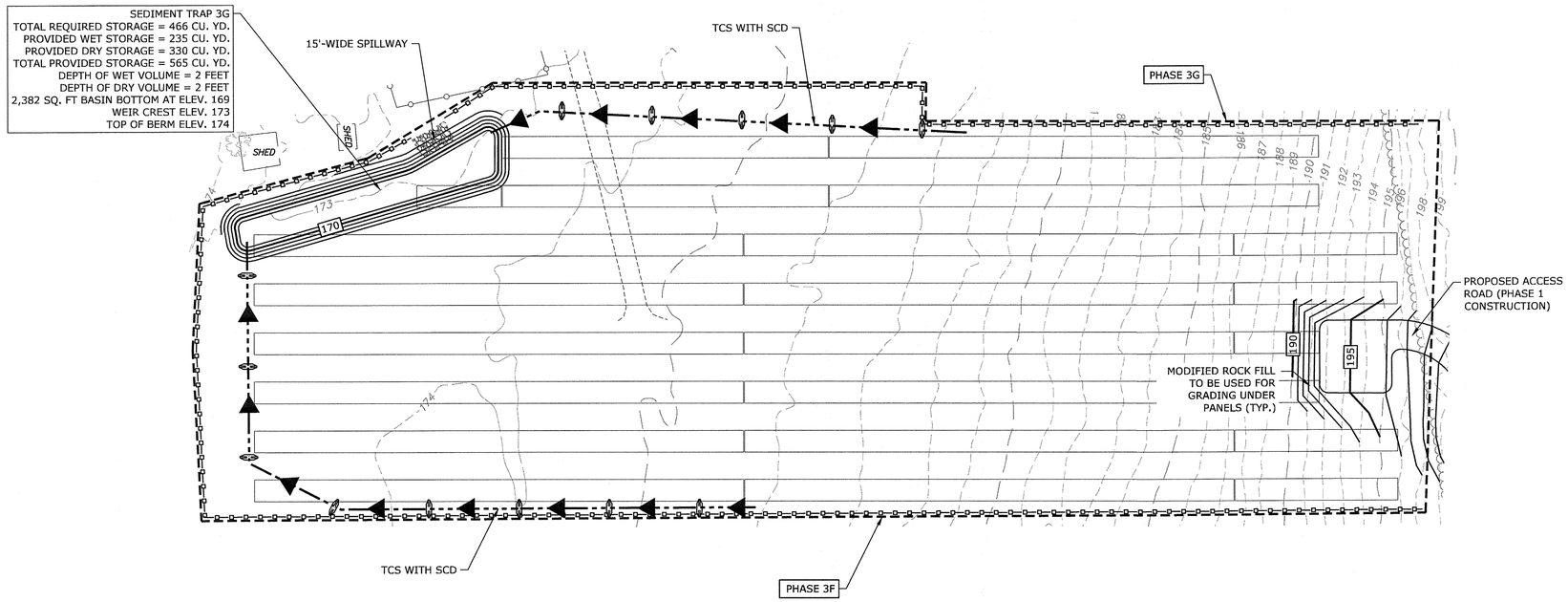
SCALE: 1" = 40'

SESC-23

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-4:49pm By: AGilchrist
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



N

PHASE 3G SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 3.48 ACRES WILL BE DISTURBED DURING PHASE 3F.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 3F INCLUDES GRUBBING, AND INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT TRAP SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 3 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

CONSTRUCTION PHASE 3

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS.
5. CLEAR AND GRUB EXISTING STUMPS AS NEEDED. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
6. INSTALL SOLAR INFRASTRUCTURE INCLUDING RACKING, SOLAR PANELS, UTILITY CONNECTIONS, EQUIPMENT PADS, ETC. SOLAR ARRAY CONSTRUCTION WILL OCCUR STARTING AT ONE END OR THE CENTER OF A ROW WITH THE PILES OR GROUND SCREWS DRIVEN FIRST, THEN THE RACKING AND PANELS WILL BE INSTALLED ON THE PILES AND THE CONSTRUCTION WILL CONTINUE DOWN EACH ROW TO THE END OF THE ROW.
7. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
8. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

PHASE LIMIT LINE

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT BRIAN S. HUNTLEY No. 31180 LICENSED PROFESSIONAL ENGINEER
1-28-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION
1	12/19	Updated Layout
0	-	Initial Release

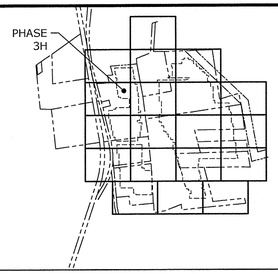
PROJECT NO:	R-0317
DATE:	10/22/2018
FILE:	R0317-Nutmeg-Cons_SESC Phasing.dwg
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 3G

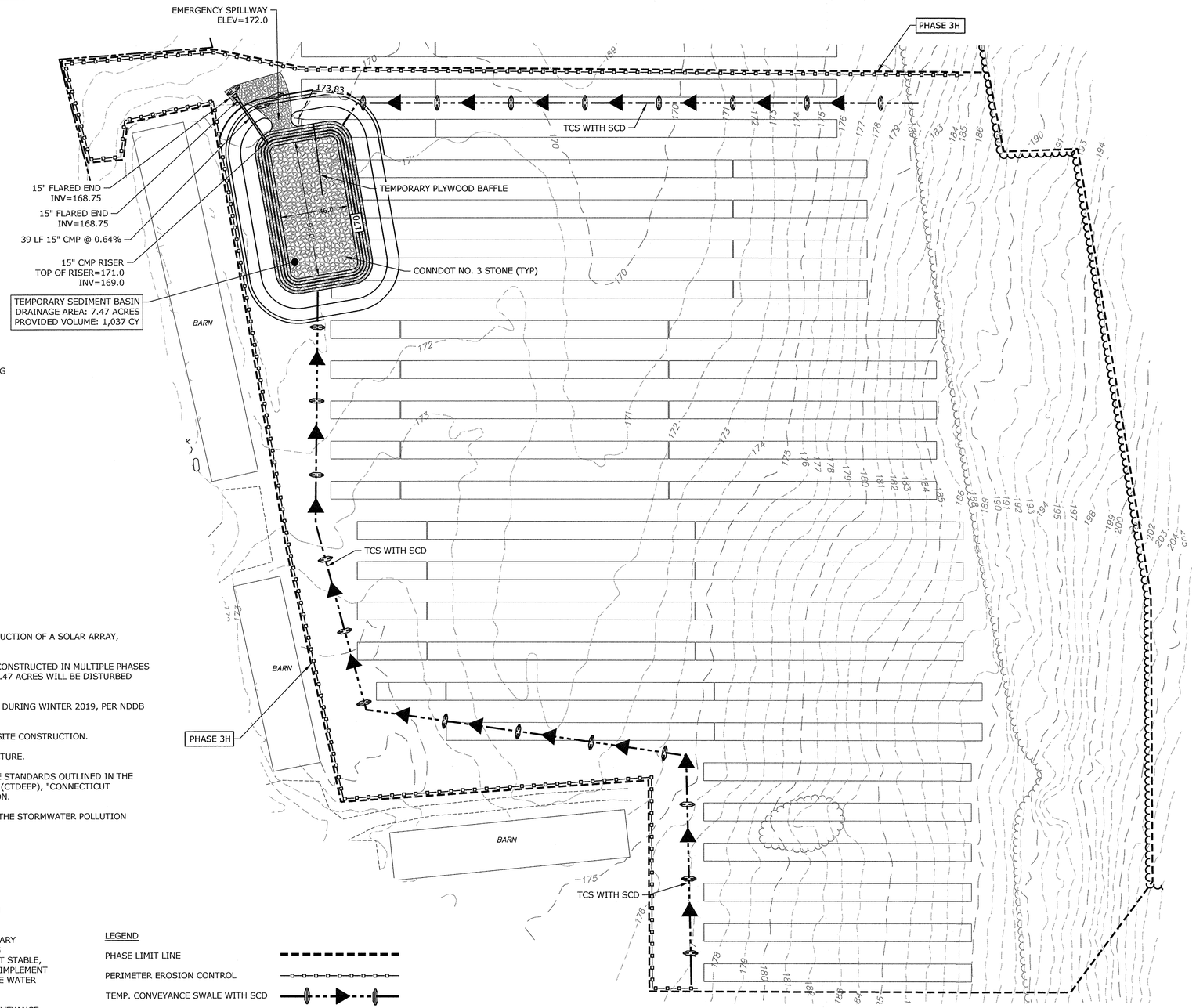
SCALE: 1" = 40'

SESC-24

Last Saved: 1/30/2020
Plotted On:Jan 30, 2020-4:51pm By: AGilchrist
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 3 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

PHASE 3H SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 7.47 ACRES WILL BE DISTURBED DURING PHASE 3G.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 3G INCLUDES GRUBBING, AND INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT BASIN SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

CONSTRUCTION PHASE 3

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS.
5. CLEAR AND GRUB EXISTING STUMPS AS NEEDED. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
6. INSTALL SOLAR INFRASTRUCTURE INCLUDING RACKING, SOLAR PANELS, UTILITY CONNECTIONS, EQUIPMENT PADS, ETC. SOLAR ARRAY CONSTRUCTION WILL OCCUR STARTING AT ONE END OR THE CENTER OF A ROW WITH THE PILES OR GROUND SCREWS DRIVEN FIRST, THEN THE RACKING AND PANELS WILL BE INSTALLED ON THE PILES AND THE CONSTRUCTION WILL CONTINUE DOWN EACH ROW TO THE END OF THE ROW.
7. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
8. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

LEGEND

PHASE LIMIT LINE

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED
PROFESSIONAL ENGINEER
1-30-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION
1	12/19	Updated Layout
0	-	Initial Release

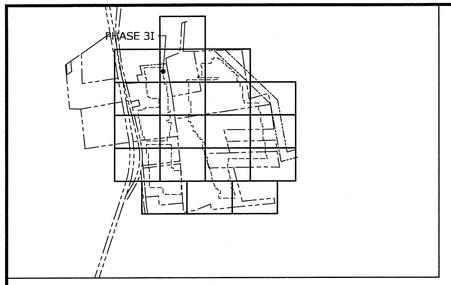
PROJECT NO:	R-0317
DATE:	10/22/2018
FILE:	R0317-Nutmeg-Cons_SESC Phasing.dwg
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 3H

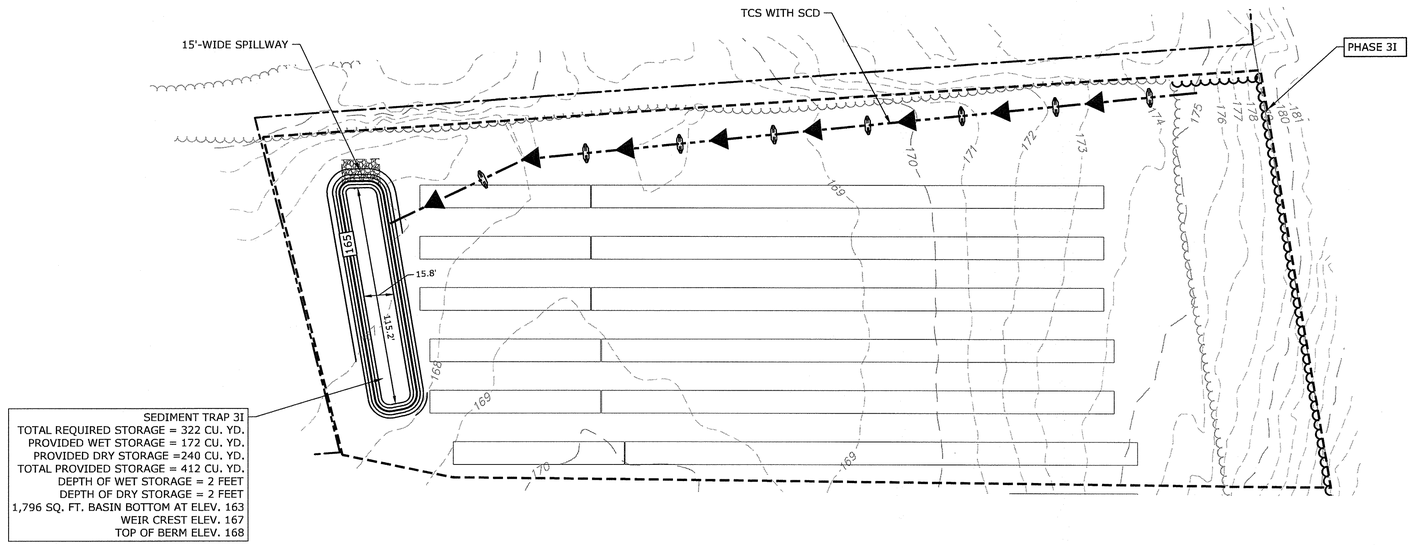
SCALE: 1" = 40'

SESC-25

Last Saved: 1/30/2020
Plotted On:Jan 30, 2020-5:13pm By: DGM
Tighe & Bond:\\tighebond.com\data\Projects\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



PHASE 3I SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 2.40 ACRES WILL BE DISTURBED DURING PHASE 3I.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 3I INCLUDES GRUBBING, AND INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT TRAP SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 3 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

CONSTRUCTION PHASE 3

1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY CONVEYANCE SWALES WITH STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZING MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS.
5. CLEAR AND GRUB EXISTING STUMPS AS NEEDED. TREES WILL BE CUT DURING WINTER IN ACCORDANCE WITH WILDLIFE RESTRICTIONS.
6. INSTALL SOLAR INFRASTRUCTURE INCLUDING RACKING, SOLAR PANELS, UTILITY CONNECTIONS, EQUIPMENT PADS, ETC. SOLAR ARRAY CONSTRUCTION WILL OCCUR STARTING AT ONE END OR THE CENTER OF A ROW WITH THE PILES OR GROUND SCREWS DRIVEN FIRST, THEN THE RACKING AND PANELS WILL BE INSTALLED ON THE PILES AND THE CONSTRUCTION WILL CONTINUE DOWN EACH ROW TO THE END OF THE ROW.
7. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
8. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

PHASE LIMIT LINE

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

N

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED
PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION
1	12/19	Updated Layout
0	-	Initial Release

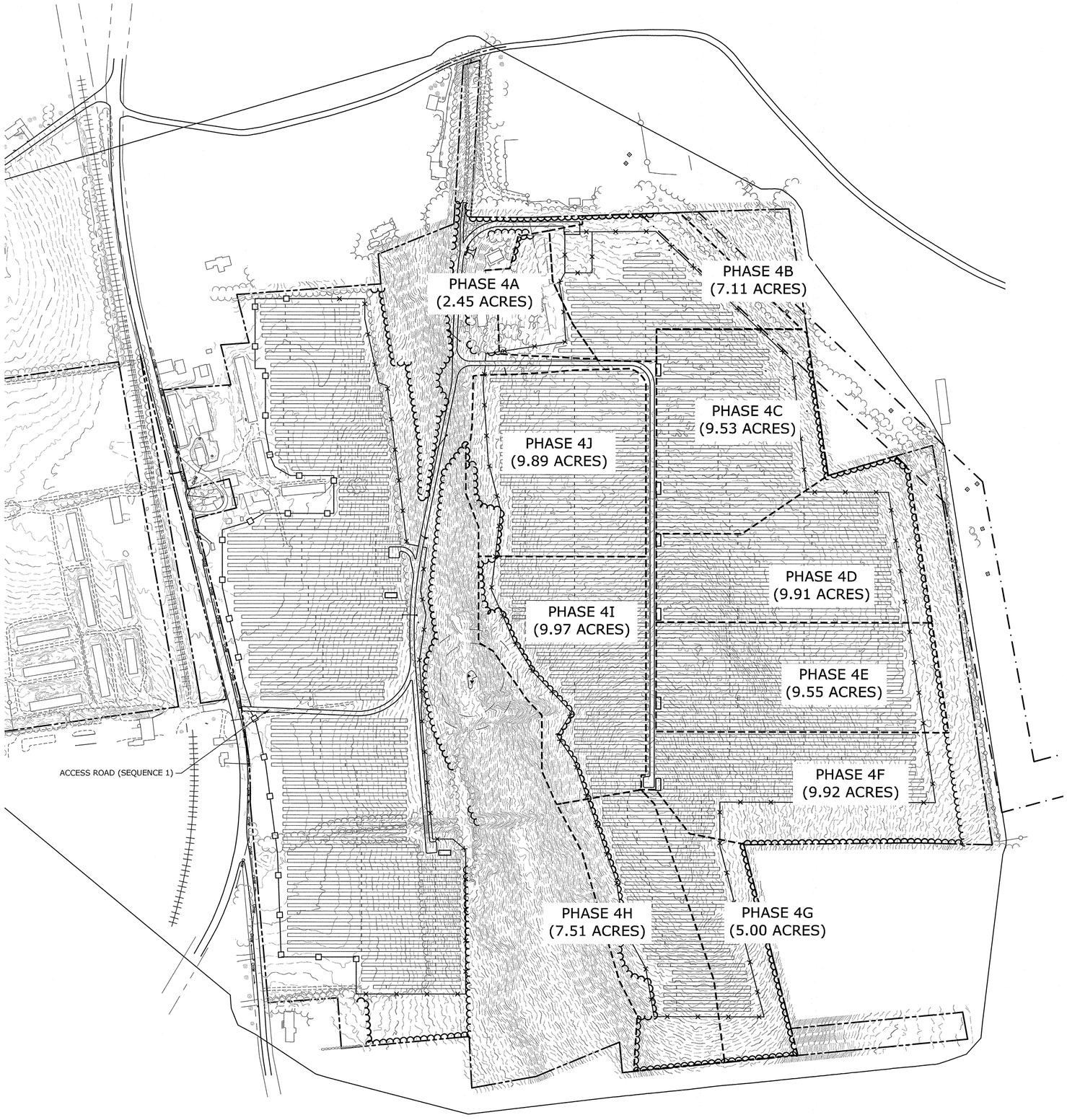
PROJECT NO:	R-0317
DATE:	10/22/2018
FILE:	R0317-Nutmeg-Cons_SESC Phasing.dwg
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 3I

SCALE: 1" = 40'

SESC-26

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-4:55pm By: AGilchrist
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED
PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

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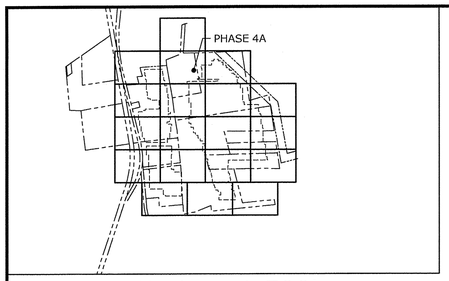
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN
PHASE 4- OVERALL

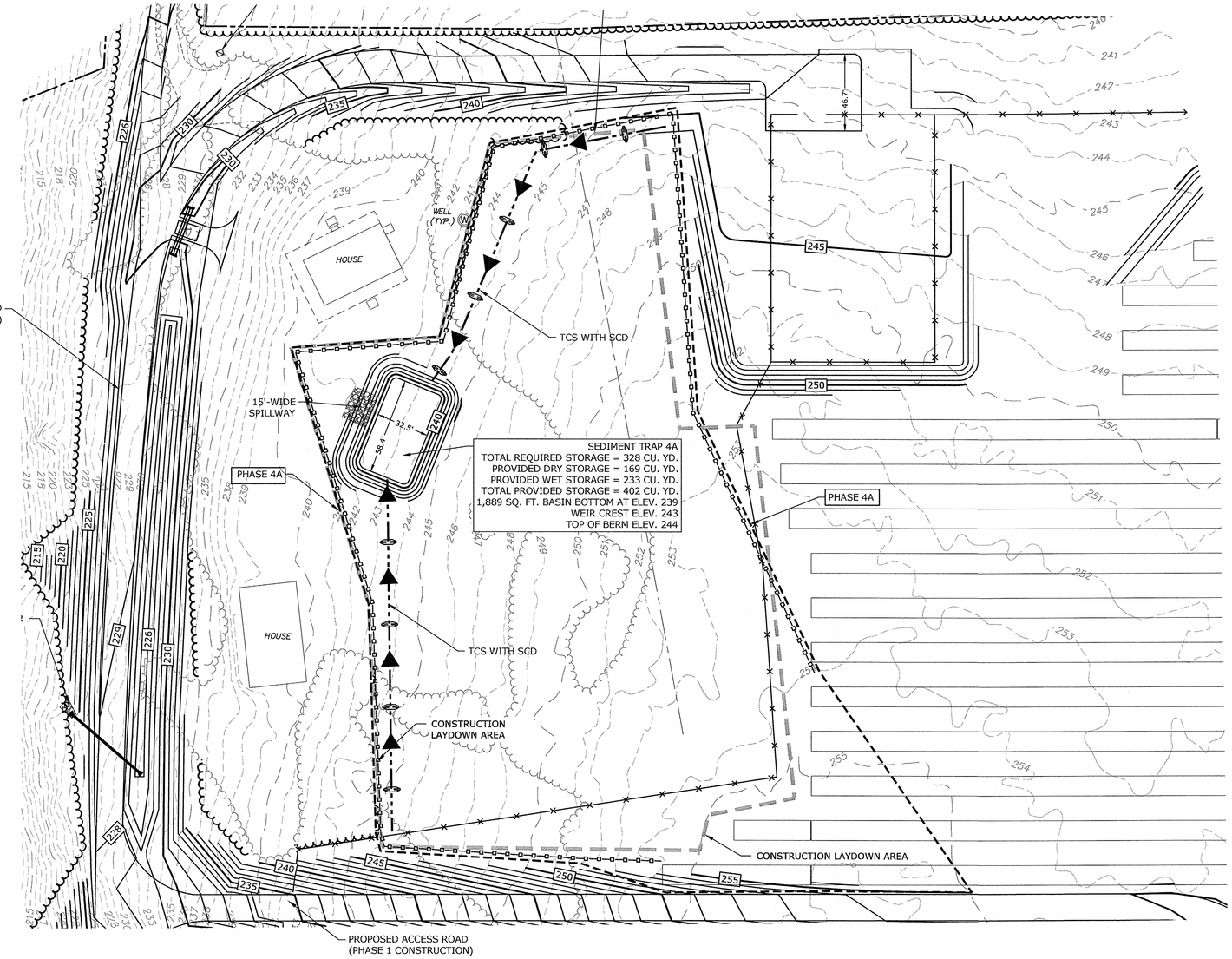
SCALE: 1" = 200'

SESC-27

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-4:33pm By: ELD
Tighe & Bond: J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



PHASE 4A SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 2.45 ACRES WILL BE DISTURBED DURING PHASE 4A.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 4A INCLUDES INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 4 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

PHASE LIMIT LINE

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

CONSTRUCTION PHASE 4

1. INSPECT AND INSTALL PERIMETER CONTROLS ESTABLISHED IN PHASE 2 TO ENSURE PHASE WORK AREA IS IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
2. INSPECT AND CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS INSTALLED IN PHASE 2.
3. INSTALL SOLAR INFRASTRUCTURE INCLUDING RACKING, SOLAR PANELS, UTILITY CONNECTIONS, EQUIPMENT PADS, ETC. SOLAR ARRAY CONSTRUCTION WILL OCCUR STARTING AT ONE END OF THE CENTER OF A ROW WITH THE PILES OR GROUND SCREWS DRIVEN FIRST, THEN THE RACKING AND PANELS WILL BE INSTALLED ON THE PILES AND THE CONSTRUCTION WILL CONTINUE DOWN EACH ROW TO THE END OF THE ROW.
4. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
5. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED
PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION
1	12/19	Updated Layout
0	-	Initial Release

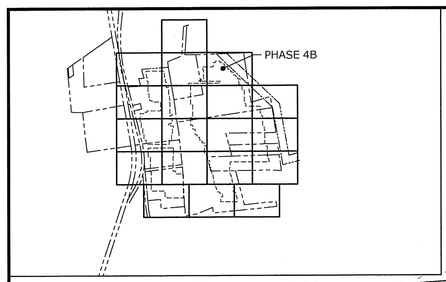
PROJECT NO:	R-0317
DATE:	10/22/2018
FILE:	R0317-Nutmeg-Cons_SESC Phasing.dwg
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 4A

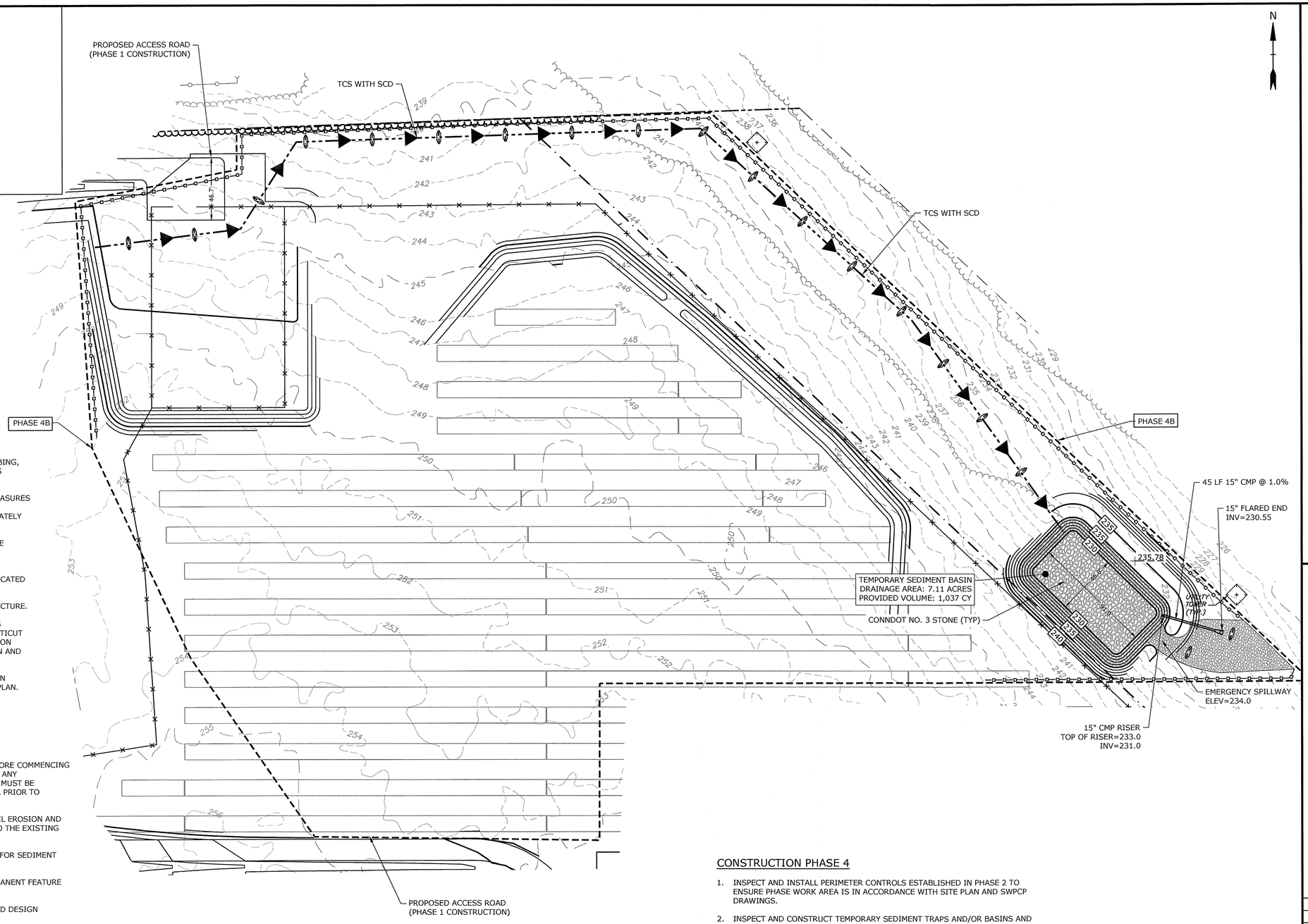
SCALE: 1" = 40'

SESC-28

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-4:35pm By: ELD
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



PHASE 4B SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 7.07 ACRES WILL BE DISTURBED DURING PHASE 4B.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 4B INCLUDES INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT BASIN SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 4 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

CONSTRUCTION PHASE 4

1. INSPECT AND INSTALL PERIMETER CONTROLS ESTABLISHED IN PHASE 2 TO ENSURE PHASE WORK AREA IS IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
2. INSPECT AND CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS INSTALLED IN PHASE 2.
3. INSTALL SOLAR INFRASTRUCTURE INCLUDING RACKING, SOLAR PANELS, UTILITY CONNECTIONS, EQUIPMENT PADS, ETC. SOLAR ARRAY CONSTRUCTION WILL OCCUR STARTING AT ONE END OF THE CENTER OF A ROW WITH THE PILES OR GROUND SCREWS DRIVEN FIRST, THEN THE RACKING AND PANELS WILL BE INSTALLED ON THE PILES AND THE CONSTRUCTION WILL CONTINUE DOWN EACH ROW TO THE END OF THE ROW.
4. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
5. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

PHASE LIMIT LINE

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED
PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

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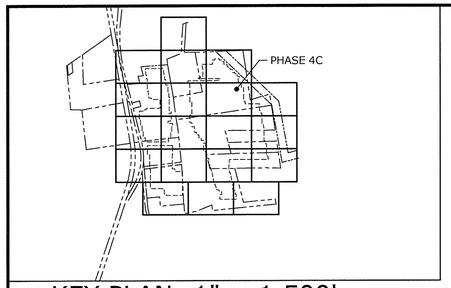
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 4B

SCALE: 1" = 40'

SESC-29

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-5:15pm By: ELD
Tighe & Bond: J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'

PHASE 4C SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 9.53 ACRES WILL BE DISTURBED DURING PHASE 4C.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 4C INCLUDES INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT BASIN SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

CONSTRUCTION PHASE 4

1. INSPECT AND INSTALL PERIMETER CONTROLS ESTABLISHED IN PHASE 2 TO ENSURE PHASE WORK AREA IS IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
2. INSPECT AND CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS INSTALLED IN PHASE 2.
3. INSTALL SOLAR INFRASTRUCTURE INCLUDING RACKING, SOLAR PANELS, UTILITY CONNECTIONS, EQUIPMENT PADS, ETC. SOLAR ARRAY CONSTRUCTION WILL OCCUR STARTING AT ONE END OF THE CENTER OF A ROW WITH THE PILES OR GROUND SCREWS DRIVEN FIRST, THEN THE RACKING AND PANELS WILL BE INSTALLED ON THE PILES AND THE CONSTRUCTION WILL CONTINUE DOWN EACH ROW TO THE END OF THE ROW.
4. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
5. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 4 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
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4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

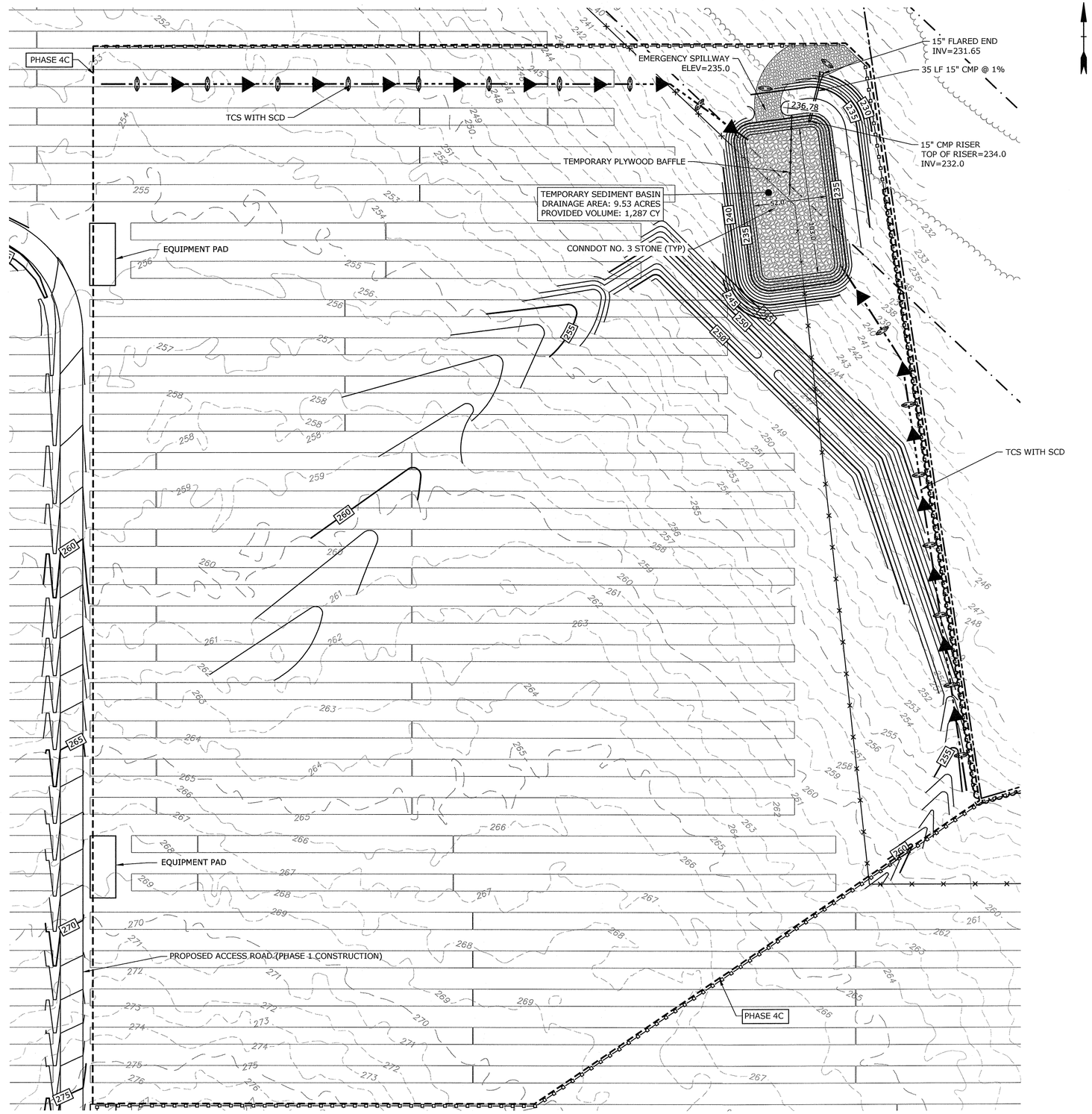
PHASE LIMIT LINE

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION



SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
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1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

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APPROVED:	FJH

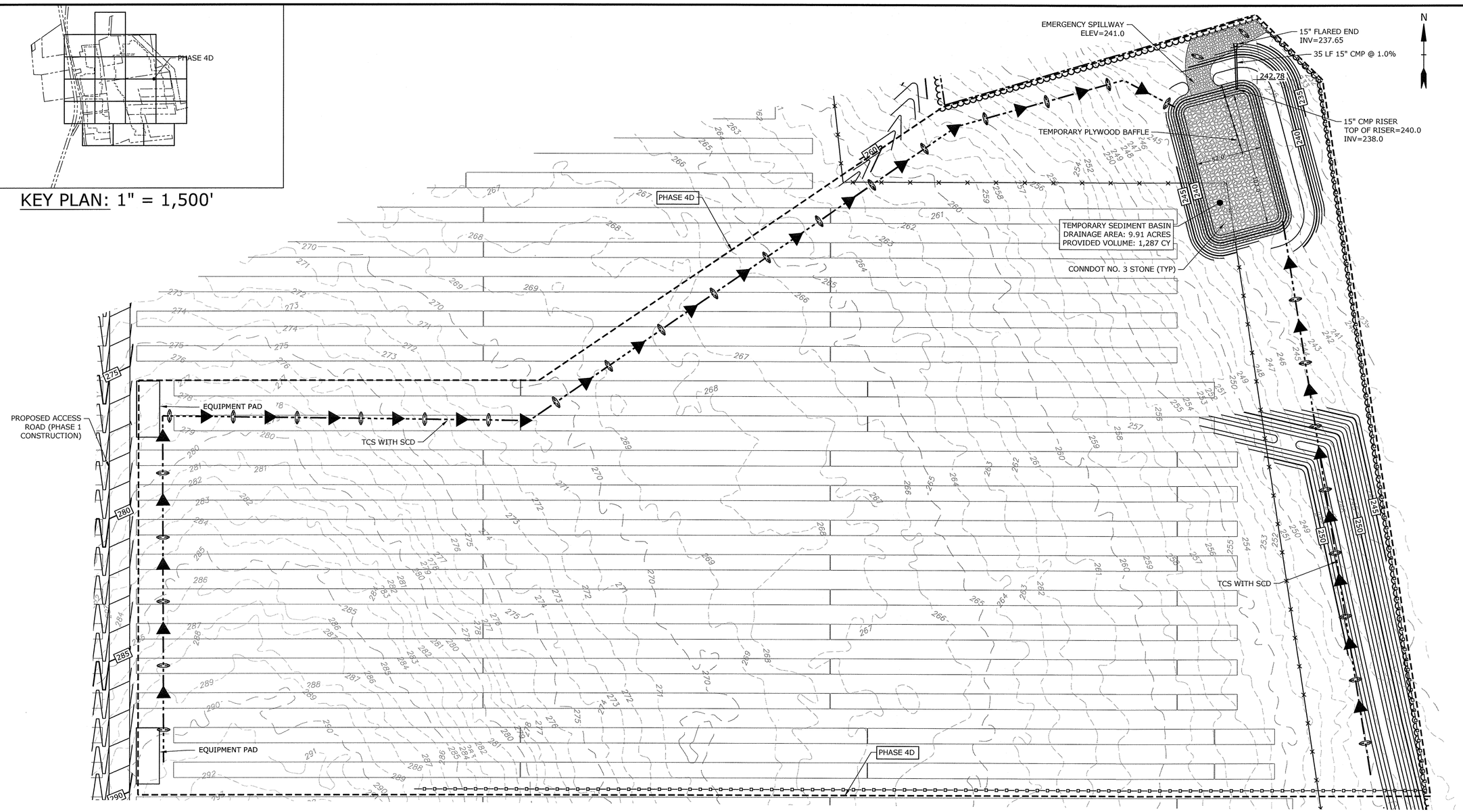
SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 4C

SCALE: 1" = 40'

SESC-30

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-5:20pm By: ELD
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg

KEY PLAN: 1" = 1,500'



PHASE 4D SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 131 ACRES OF DISTURBANCE. APPROXIMATELY 9.91 ACRES WILL BE DISTURBED DURING PHASE 4D.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 4D INCLUDES INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT BASIN SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 4 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

CONSTRUCTION PHASE 4

1. INSPECT AND INSTALL PERIMETER CONTROLS ESTABLISHED IN PHASE 2 TO ENSURE PHASE WORK AREA IS IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
2. INSPECT AND CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS INSTALLED IN PHASE 2.
3. INSTALL SOLAR INFRASTRUCTURE INCLUDING RACKING, SOLAR PANELS, UTILITY CONNECTIONS, EQUIPMENT PADS, ETC. SOLAR ARRAY CONSTRUCTION WILL OCCUR STARTING AT ONE END OF THE CENTER OF A ROW WITH THE PILES OR GROUND SCREWS DRIVEN FIRST, THEN THE RACKING AND PANELS WILL BE INSTALLED ON THE PILES AND THE CONSTRUCTION WILL CONTINUE DOWN EACH ROW TO THE END OF THE ROW.
4. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
5. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

LEGEND

PHASE LIMIT LINE

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED
PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

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1	12/19	Updated Layout
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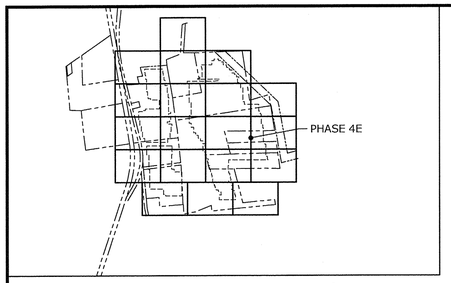
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 4D

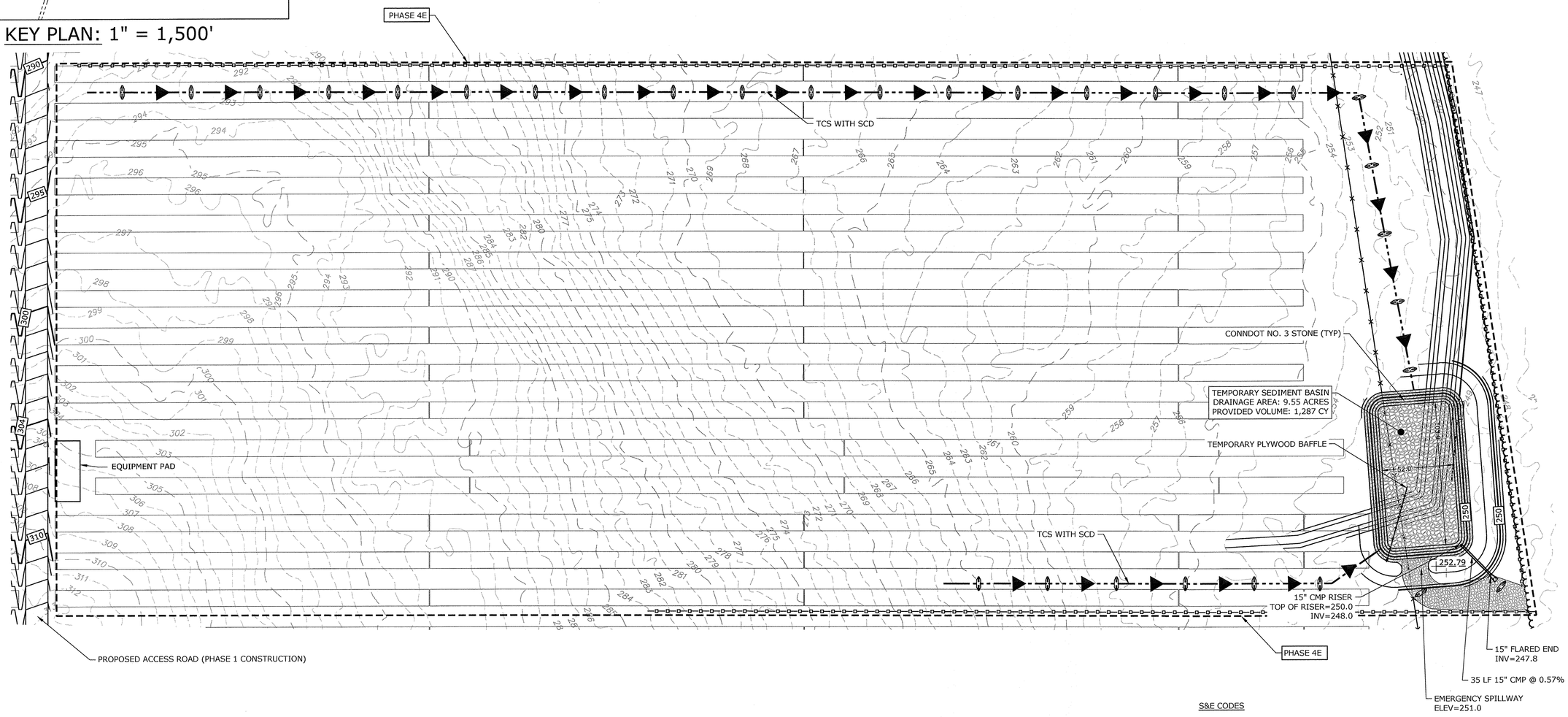
SCALE: 1" = 40'

SESC-31

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-5:25pm By: ELD
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



PHASE 4E SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 9.55 ACRES WILL BE DISTURBED DURING PHASE 4E.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 4E INCLUDES INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT BASIN SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 4 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

CONSTRUCTION PHASE 4

1. INSPECT AND INSTALL PERIMETER CONTROLS ESTABLISHED IN PHASE 2 TO ENSURE PHASE WORK AREA IS IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
2. INSPECT AND CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS INSTALLED IN PHASE 2.
3. INSTALL SOLAR INFRASTRUCTURE INCLUDING RACKING, SOLAR PANELS, UTILITY CONNECTIONS, EQUIPMENT PADS, ETC. SOLAR ARRAY CONSTRUCTION WILL OCCUR STARTING AT ONE END OF THE CENTER OF A ROW WITH THE PILES OR GROUND SCREWS DRIVEN FIRST, THEN THE RACKING AND PANELS WILL BE INSTALLED ON THE PILES AND THE CONSTRUCTION WILL CONTINUE DOWN EACH ROW TO THE END OF THE ROW.
4. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
5. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

PHASE LIMIT LINE

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
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1-29-20

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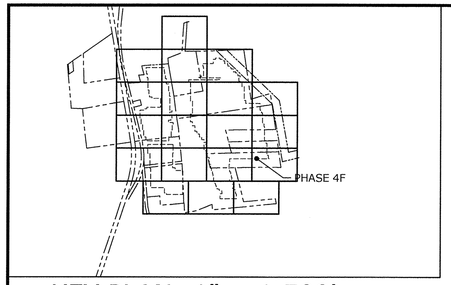
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 4E

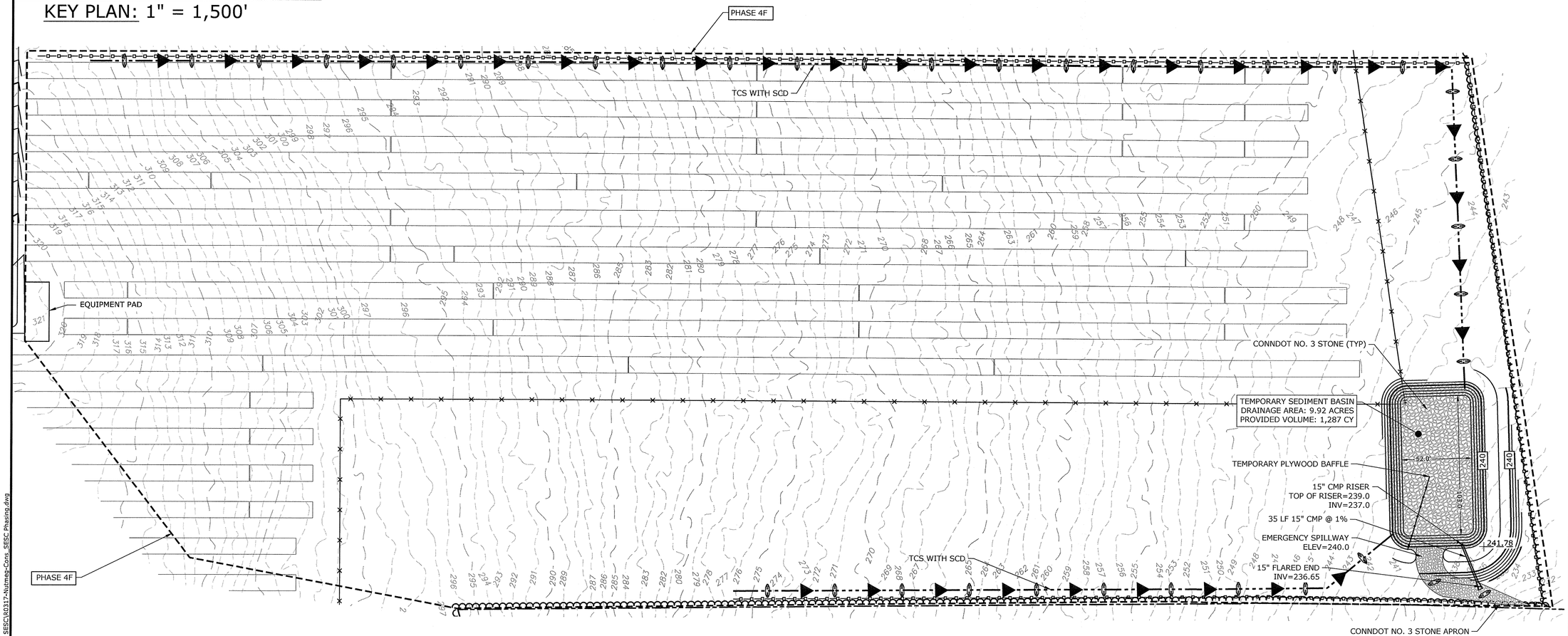
SCALE: 1" = 40'

SESC-32

Last Saved: 1/29/2020
Plotted On:Jan 29, 2020-5:29pm By: ELD
Tighe & Bond: J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



PHASE 4F SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 9.92 ACRES WILL BE DISTURBED DURING PHASE 4F.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 4F INCLUDES INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

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GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 4 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

CONSTRUCTION PHASE 4

1. INSPECT AND INSTALL PERIMETER CONTROLS ESTABLISHED IN PHASE 2 TO ENSURE PHASE WORK AREA IS IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
2. INSPECT AND CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS INSTALLED IN PHASE 2.
3. INSTALL SOLAR INFRASTRUCTURE INCLUDING RACKING, SOLAR PANELS, UTILITY CONNECTIONS, EQUIPMENT PADS, ETC. SOLAR ARRAY CONSTRUCTION WILL OCCUR STARTING AT ONE END OF THE CENTER OF A ROW WITH THE PILES OR GROUND SCREWS DRIVEN FIRST, THEN THE RACKING AND PANELS WILL BE INSTALLED ON THE PILES AND THE CONSTRUCTION WILL CONTINUE DOWN EACH ROW TO THE END OF THE ROW.
4. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
5. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

LEGEND

PHASE LIMIT LINE
PERIMETER EROSION CONTROL
TEMP. CONVEYANCE SWALE WITH SCD
EXISTING LIMIT OF VEGETATION
PROPOSED LIMIT OF VEGETATION

S&E CODES

SCD STONE CHECK DAM
TCS TEMP. CONVEYANCE SWALE

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED
PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION
1	12/19	Updated Layout
0	-	Initial Release

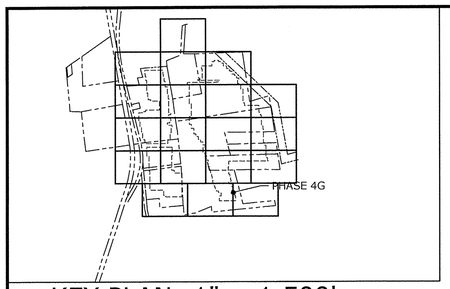
PROJECT NO:	R-0317
DATE:	10/22/2018
FILE:	R0317-Nutmeg-Cons_SESC Phasing.dwg
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 4F

SCALE: 1" = 40'

SESC-33

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-5:35pm By: ELD
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'

PHASE 4G SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 5.00 ACRES WILL BE DISTURBED DURING PHASE 4G.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 4G INCLUDES INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT TRAP SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

CONSTRUCTION PHASE 4

1. INSPECT AND INSTALL PERIMETER CONTROLS ESTABLISHED IN PHASE 2 TO ENSURE PHASE WORK AREA IS IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
2. INSPECT AND CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS INSTALLED IN PHASE 2.
3. INSTALL SOLAR INFRASTRUCTURE INCLUDING RACKING, SOLAR PANELS, UTILITY CONNECTIONS, EQUIPMENT PADS, ETC. SOLAR ARRAY CONSTRUCTION WILL OCCUR STARTING AT ONE END OF THE CENTER OF A ROW WITH THE PILES OR GROUND SCREWS DRIVEN FIRST, THEN THE RACKING AND PANELS WILL BE INSTALLED ON THE PILES AND THE CONSTRUCTION WILL CONTINUE DOWN EACH ROW TO THE END OF THE ROW.
4. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
5. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 4 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

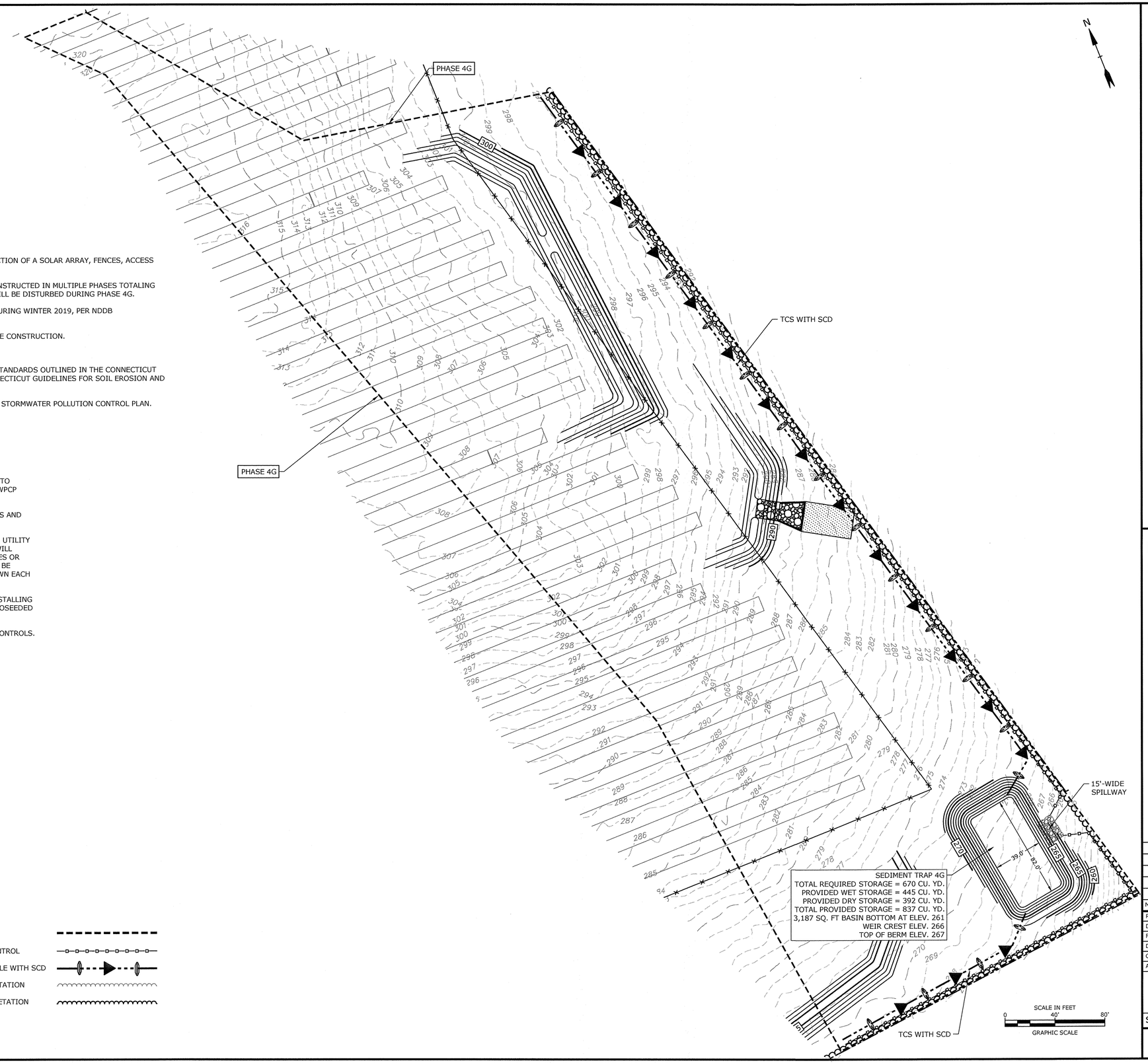
PHASE LIMIT LINE

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION



Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
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PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

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DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

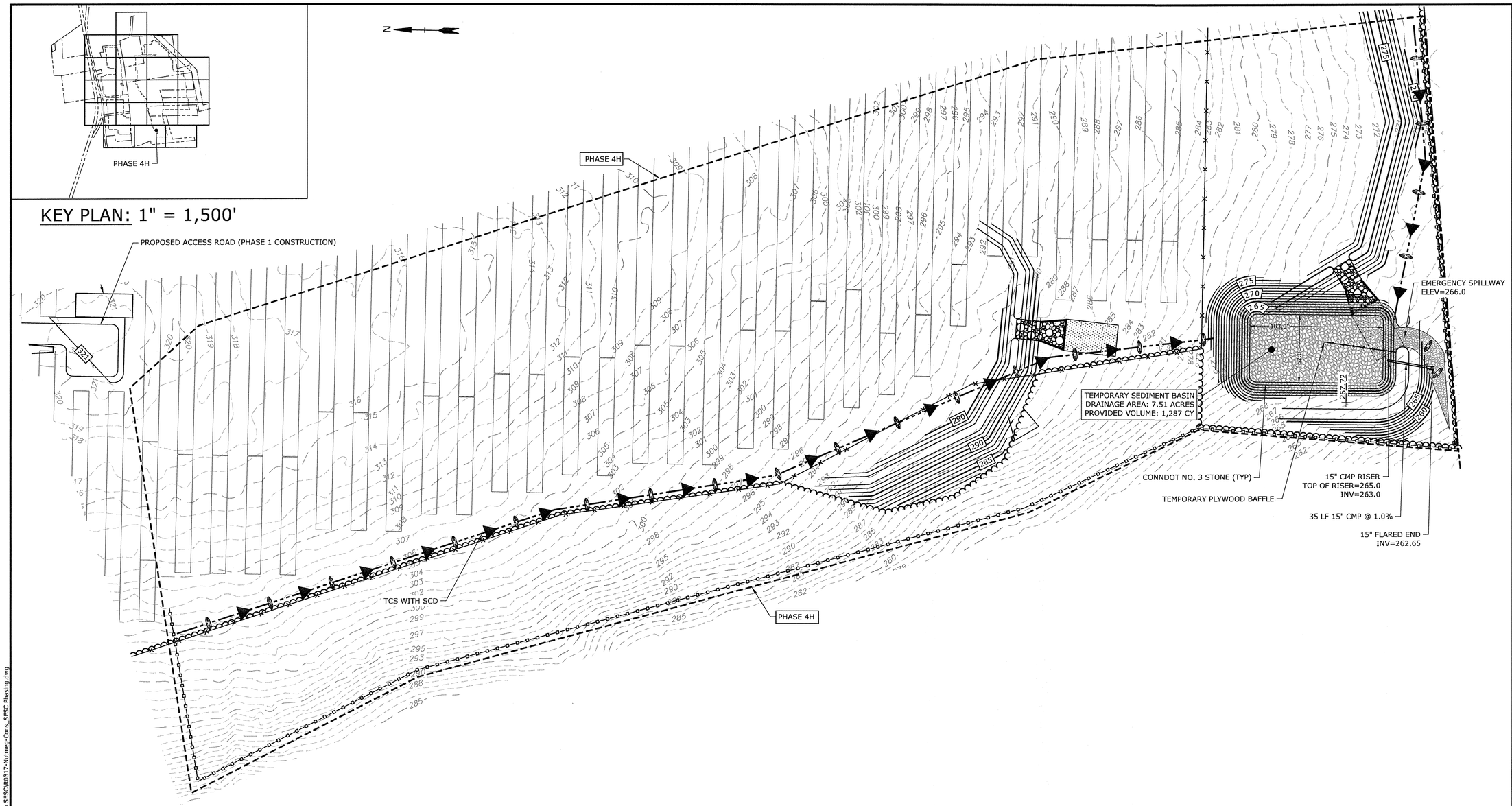
SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 4G

SCALE: 1" = 40'

SESC-34

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-4:53pm By: ELD
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg

KEY PLAN: 1" = 1,500'



PHASE 4H SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 7.51 ACRES WILL BE DISTURBED DURING PHASE 4H.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 4H INCLUDES INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT BASIN SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 4 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
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4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

CONSTRUCTION PHASE 4

1. INSPECT AND INSTALL PERIMETER CONTROLS ESTABLISHED IN PHASE 2 TO ENSURE PHASE WORK AREA IS IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
2. INSPECT AND CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS INSTALLED IN PHASE 2.
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4. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
5. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

LEGEND

PHASE LIMIT LINE
PERIMETER EROSION CONTROL
TEMP. CONVEYANCE SWALE WITH SCD
EXISTING LIMIT OF VEGETATION
PROPOSED LIMIT OF VEGETATION

S&E CODES

SCD STONE CHECK DAM
TCS TEMP. CONVEYANCE SWALE

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

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Enfield, Connecticut

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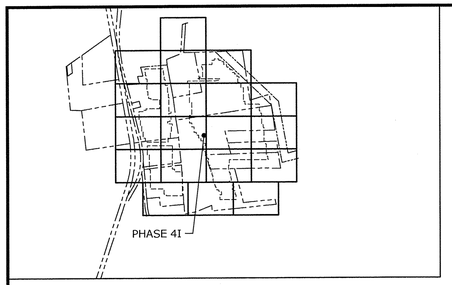
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 4H

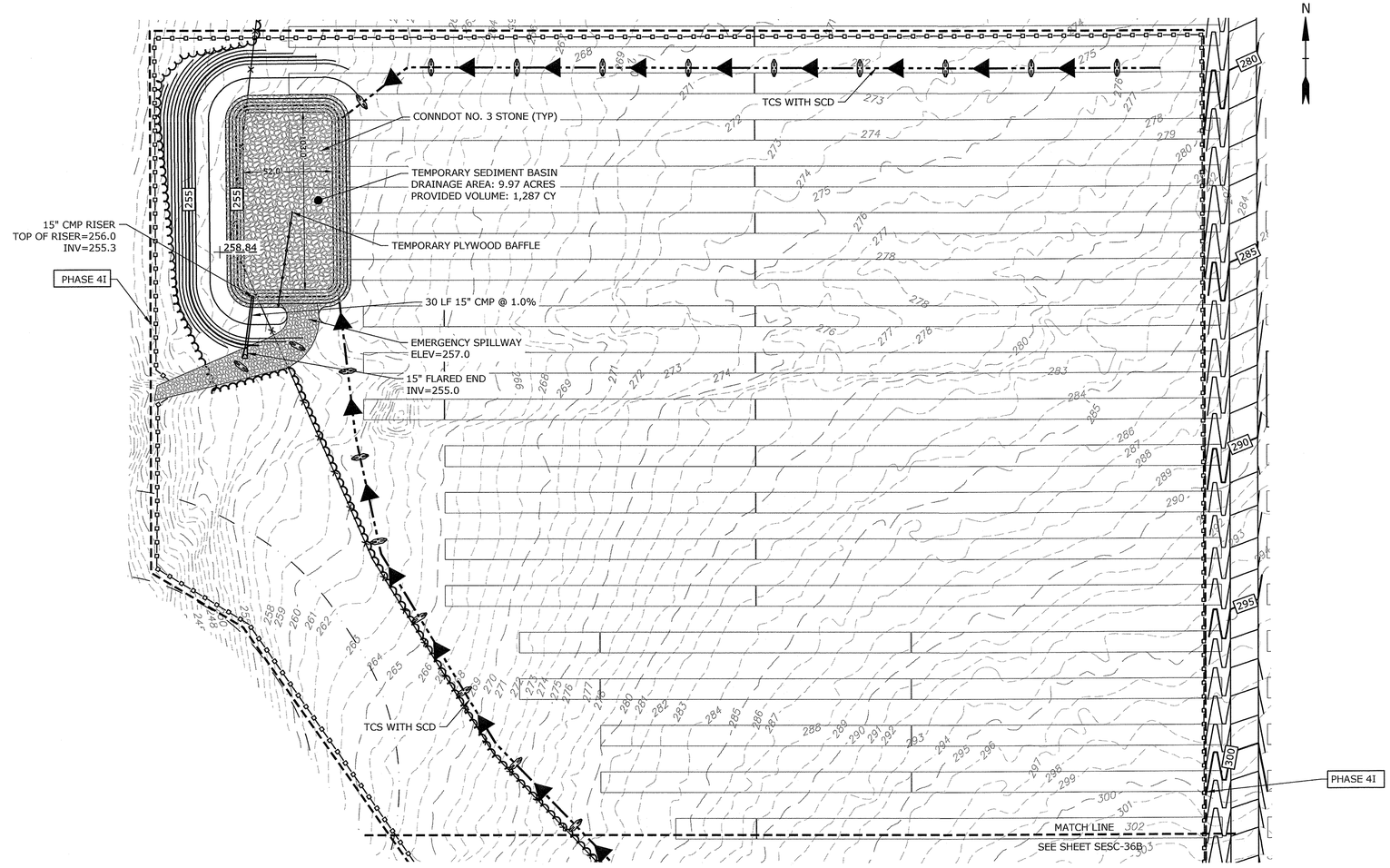
SCALE: 1" = 40'

SESC-35

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-5:30pm By: AGilchrist
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



CONSTRUCTION PHASE 4

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4. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
5. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

PHASE 4I SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 131 ACRES OF DISTURBANCE. APPROXIMATELY 9.97 ACRES WILL BE DISTURBED DURING PHASE 4I.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 4I INCLUDES INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT BASIN SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 4 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
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3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

LEGEND

- PHASE LIMIT LINE
- PERIMETER EROSION CONTROL
- TEMP. CONVEYANCE SWALE WITH SCD
- EXISTING LIMIT OF VEGETATION
- PROPOSED LIMIT OF VEGETATION

S&E CODES

SCD STONE CHECK DAM
TCS TEMP. CONVEYANCE SWALE

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

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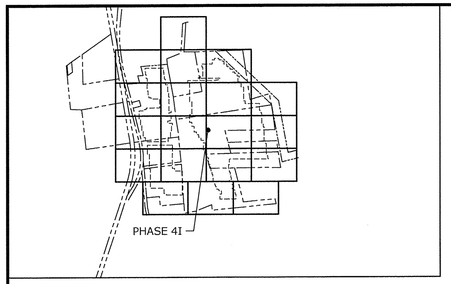
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 4IA

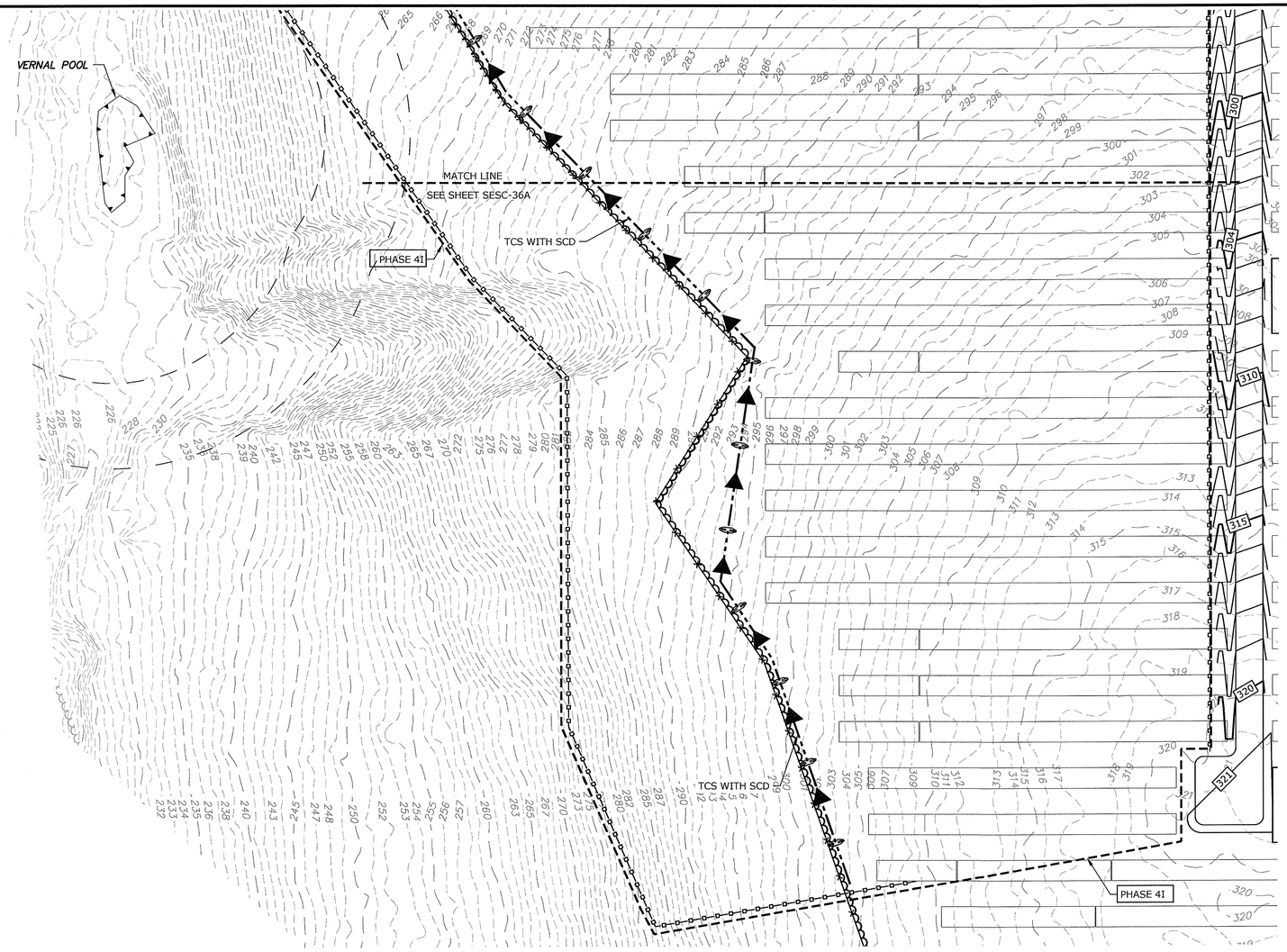
SCALE: 1" = 40'

SESC-36A

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-5:34pm By: DGM
Tighe & Bond:\\tighebond.com\data\Data\Projects\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'



CONSTRUCTION PHASE 4

1. INSPECT AND INSTALL PERIMETER CONTROLS ESTABLISHED IN PHASE 2 TO ENSURE PHASE WORK AREA IS IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
2. INSPECT AND CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS INSTALLED IN PHASE 2.
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4. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
5. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

PHASE 4I SESC NARRATIVE

THE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 131 ACRES OF DISTURBANCE. APPROXIMATELY 9.97 ACRES WILL BE DISTURBED DURING PHASE 4I.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 4I INCLUDES INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

SEDIMENT BASIN SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 4 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

PHASE LIMIT LINE

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

SCALE IN FEET 0 40' 80'

GRAPHIC SCALE

Tighe&Bond

STATE OF CONNECTICUT BRIAN S. HUNTLEY No. 31180 LICENSED PROFESSIONAL ENGINEER

1-22-20

Nutmeg Solar Project

Nutmeg Solar, LLC

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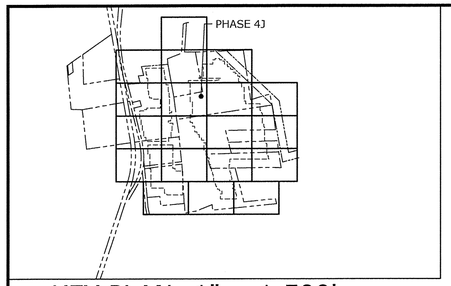
SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 4IB

SCALE: 1" = 40'

SESC-36B

Last Saved: 1/20/2020
Plotted On:Jan 22, 2020-5:37am By: DGM
Tighe & Bond:\\tighebond.com\data\Data\Projects\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



KEY PLAN: 1" = 1,500'

PHASE 4J SESC NARRATIVE

TTHE PROPOSED PROJECT INCLUDES CLEARING AND GRUBBING, THE CONSTRUCTION OF A SOLAR ARRAY, FENCES, ACCESS ROADS, AND SITE LANDSCAPING.

THE PROJECT SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN MULTIPLE PHASES TOTALING APPROXIMATELY 129 ACRES OF DISTURBANCE. APPROXIMATELY 10.0 ACRES WILL BE DISTURBED DURING PHASE 4J.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2019, PER NDDB RECOMMENDATIONS.

EXISTING TOBACCO BARNS ARE ANTICIPATED TO BE RELOCATED PRIOR TO SITE CONSTRUCTION.

PHASE 4J INCLUDES INSTALLATION OF SOLAR INFRASTRUCTURE.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

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GENERAL NOTES

1. EFFECTIVELY STABILIZE SOILS ON ONE PHASE 4 BEFORE COMMENCING GRADING AND CONSTRUCTION ON ANOTHER PHASE. ANY MODIFICATIONS TO THE PROPOSED PHASING PLANS MUST BE SUBMITTED TO CT DEEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING A CONSTRUCTION MODIFICATION.
2. CONFORM TO THE CURRENT CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ANY SOIL DISTURBANCE TO THE EXISTING AGRICULTURAL FIELDS.
3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL PERMANENT FEATURE DESIGN INFORMATION.
5. REFER TO SESC DETAILS FOR CONSTRUCTION-PERIOD DESIGN INFORMATION.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

CONSTRUCTION PHASE 4

1. INSPECT AND INSTALL PERIMETER CONTROLS ESTABLISHED IN PHASE 2 TO ENSURE PHASE WORK AREA IS IN ACCORDANCE WITH SITE PLAN AND SWPCP DRAWINGS.
2. INSPECT AND CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS AND CONVEYANCE SWALES WITH CHECK DAMS INSTALLED IN PHASE 2.
3. INSTALL SOLAR INFRASTRUCTURE INCLUDING RACKING, SOLAR PANELS, UTILITY CONNECTIONS, EQUIPMENT PADS, ETC. SOLAR ARRAY CONSTRUCTION WILL OCCUR STARTING AT ONE END OF THE CENTER OF A ROW WITH THE PILES OR GROUND SCREWS DRIVEN FIRST, THEN THE RACKING AND PANELS WILL BE INSTALLED ON THE PILES AND THE CONSTRUCTION WILL CONTINUE DOWN EACH ROW TO THE END OF THE ROW.
4. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AMEND WITH ADDITIONAL SEEDING AS NEEDED.
5. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

LEGEND

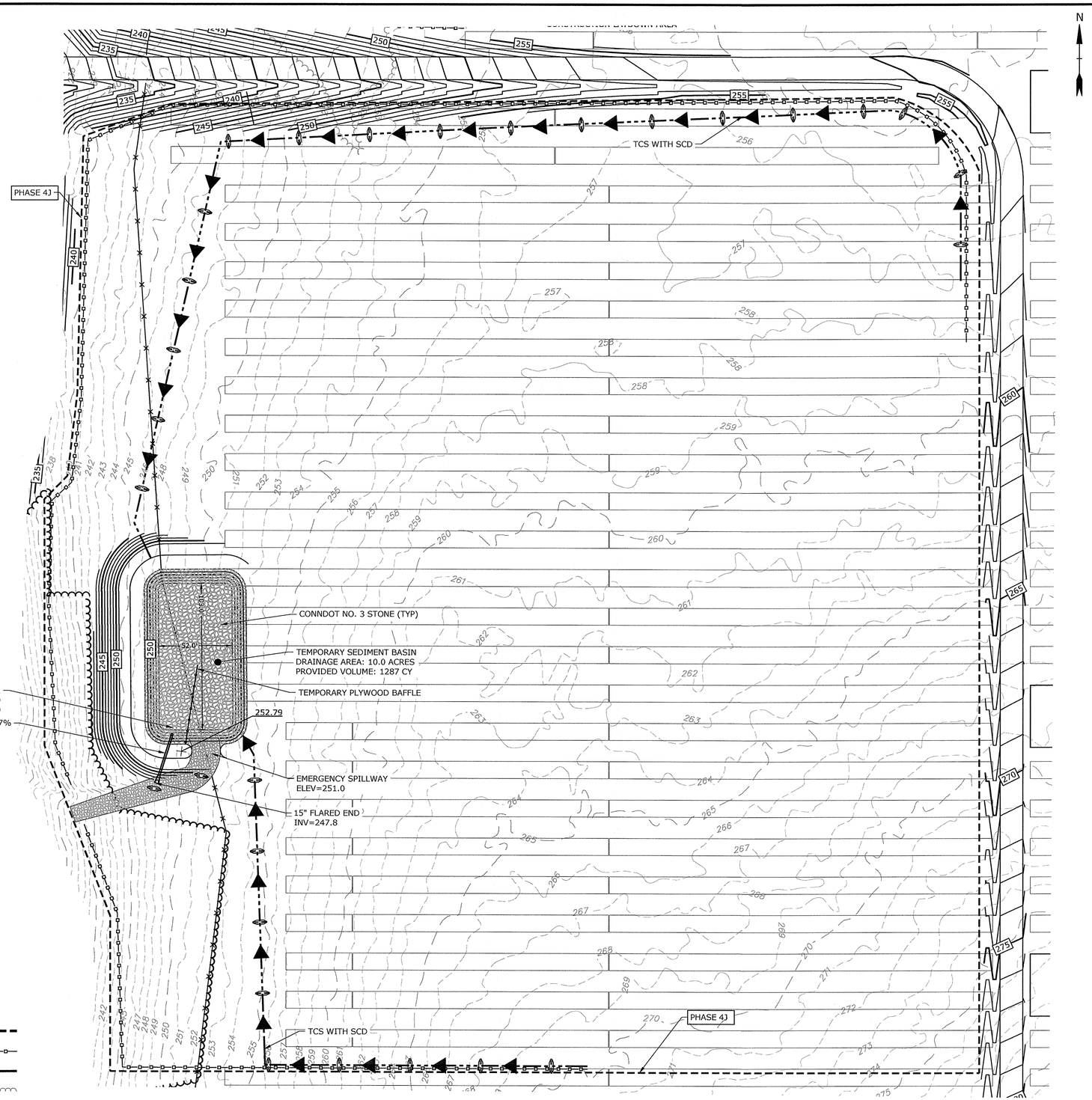
PHASE LIMIT LINE

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION



Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION
1	12/19	Updated Layout
0	-	Initial Release

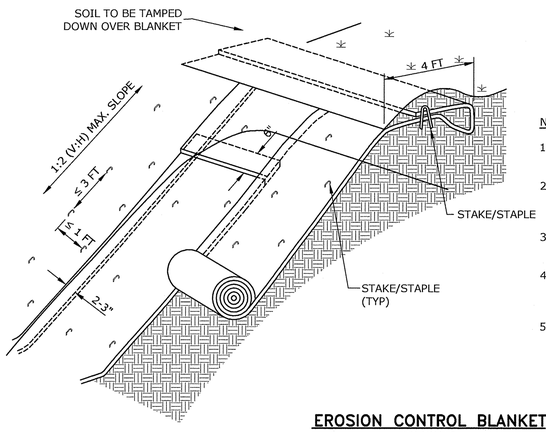
PROJECT NO:	R-0317
DATE:	10/22/2018
FILE:	R0317-Nutmeg-Cons_SESC Phasing.dwg
DRAWN BY:	ELD/AG
CHECKED:	JEC/BSH
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 4J

SCALE: 1" = 40'

SESC-37

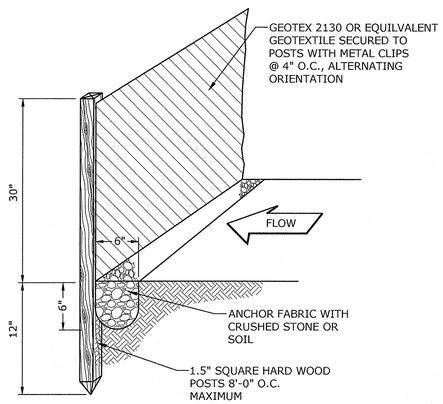
Last Saved: 1/26/2020
Plotted On:Jan 22, 2020-5:41pm By: DGM
Tighe & Bond:\\tighebond.com\data\Data\Projects\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\R0317-Nutmeg-Cons_SESC Phasing.dwg



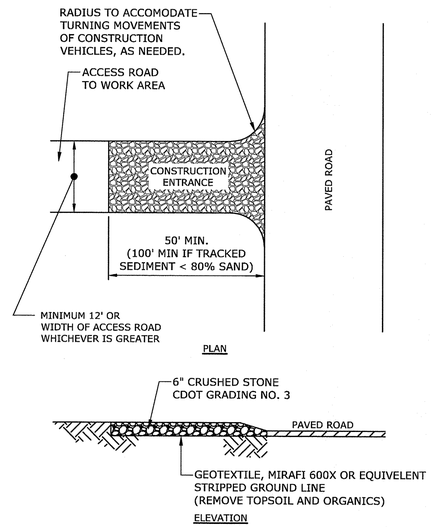
NOTES:

1. EROSION CONTROL BLANKET TO BE INSTALLED VERTICALLY DOWNSLOPE.
2. STAKES/STAPLES TO BE PLACED NO MORE THAN 3 FT APART VERTICALLY, AND 1 FT APART HORIZONTALLY.
3. SLOPE SURFACE TO BE FREE OF STICKS, ROCKS, AND OTHER OBSTRUCTIONS.
4. BLANKETS TO BE ROLLED OUT LOOSELY AND STAKED/STAPLED TO MAINTAIN DIRECT SOIL CONTACT. DO NOT STRETCH THE BLANKETS.
5. STAKES AND STAPLES MUST NOT IMPACT CAP.

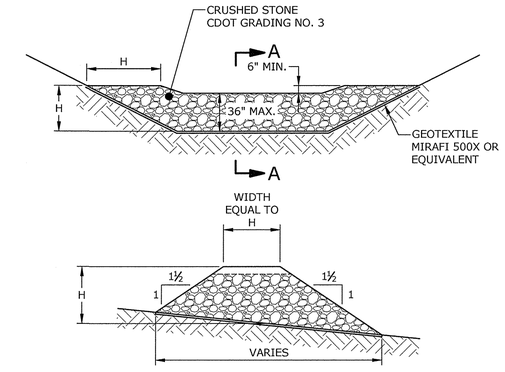
EROSION CONTROL BLANKET
NO SCALE



SILT FENCE
NO SCALE

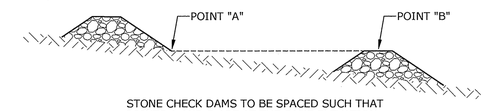


CONSTRUCTION ENTRANCE
NO SCALE



SECTION A-A

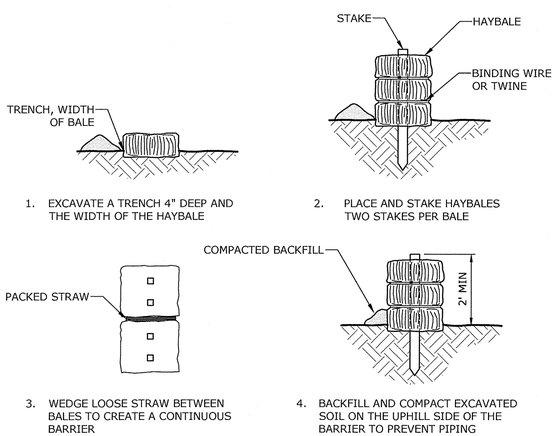
TEMP. CONVEYANCE SWALE DEPTH	12"	18"	24"
CHECK DAM "H"	8"	14"	20"



STONE CHECK DAMS TO BE SPACED SUCH THAT POINTS A AND B ARE AT THE SAME ELEVATION

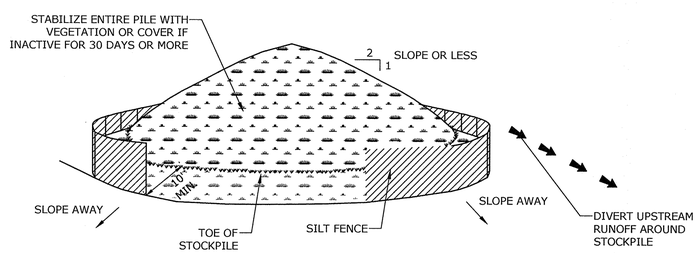
STONE CHECK DAM SPACING

STONE CHECK DAM
NO SCALE



1. EXCAVATE A TRENCH 4" DEEP AND THE WIDTH OF THE HAYBALE
2. PLACE AND STAKE HAYBALES TWO STAKES PER BALE
3. WEDGE LOOSE STRAW BETWEEN BALES TO CREATE A CONTINUOUS BARRIER
4. BACKFILL AND COMPACT EXCAVATED SOIL ON THE UPHILL SIDE OF THE BARRIER TO PREVENT PIPING

PLACEMENT AND CONSTRUCTION OF HAYBALE BARRIER
NO SCALE

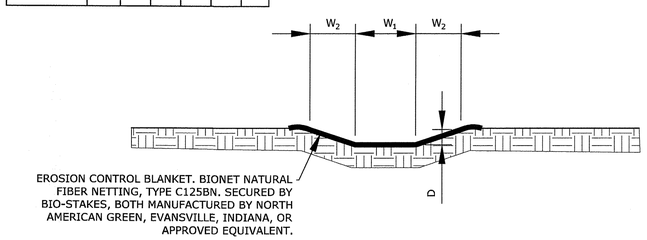


INSTALLATION NOTES:

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2H:1V.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR HAYBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
4. LOCATE STOCKPILES IN UPGRADIENT AREAS OF SUBPHASES SO STORMWATER FLOWS AWAY AND/OR AROUND STOCKPILE TO THE MAXIMUM EXTENT POSSIBLE.

TEMPORARY SOIL STOCKPILING
NO SCALE

	0.5 - 5%			5% +		
	D	W_1	W_2	D	W_1	W_2
5 ACRE MAX	12"	4'	3'	12"	1'	3'
10 ACRE MAX	18"	3'	4.5'	12"	3'	3'



NOTES:

1.MINIMUM RUNNING SLOPE OF 0.5%

TEMPORARY CONVEYANCE SWALE
SCALE 1" = 5'

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED
PROFESSIONAL ENGINEER
1-20-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION

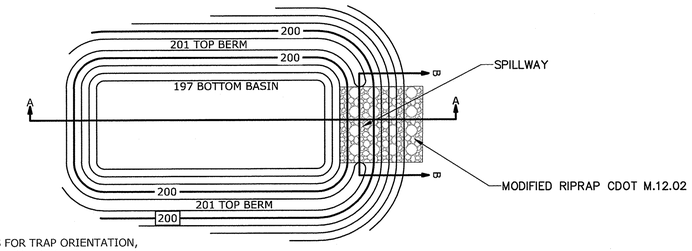
PROJECT NO:	R-0317
DATE:	10/22/2018
FILE: Stormwater Details.dwg	
DRAWN BY:	ELD
CHECKED:	JEC/BSH
APPROVED:	FJH

DETAILS - 1

SCALE: NO SCALE

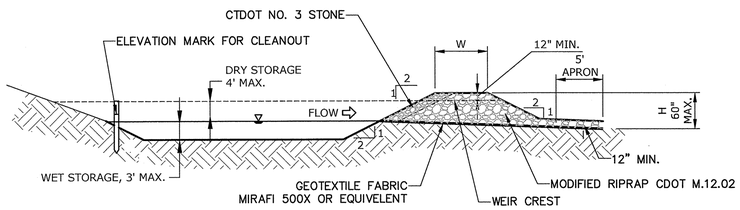
SESC-38

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-5:09pm By: ELD
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\Stormwater Details.dwg



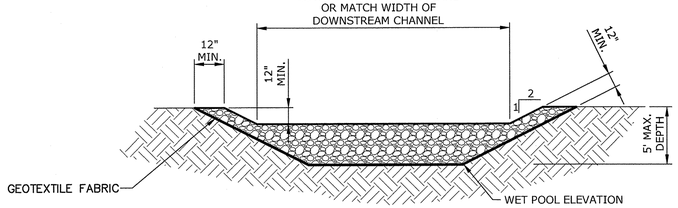
NOTE:
REFER TO PLAN SHEETS FOR TRAP ORIENTATION, SHAPE AND ELEVATION REQUIREMENTS

PLAN



SECTION B-B

TOP WIDTH VS. HEIGHT	
H(ft)	W(ft)
1.5	2.0
2.0	2.0
2.5	2.5
3.0	2.5
3.5	3.0
4.0	3.0
4.5	4.0
5.0	4.5

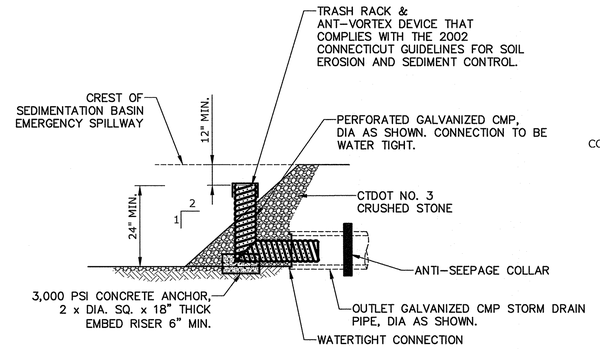


SECTION A-A

NOTE:
NON-OVERFLOW PORTIONS AND ABUTMENTS MAY BE CONSTRUCTED OF COMPACTED EARTH FILL.

TYPICAL TEMPORARY SEDIMENT TRAP

NO SCALE



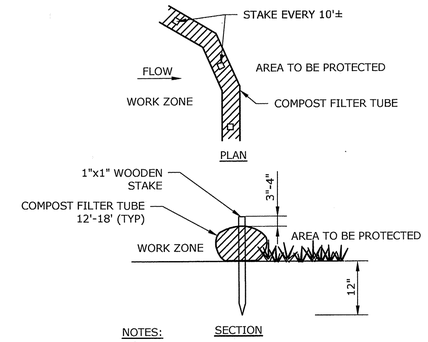
CORRUGATED METAL PIPE REQUIREMENTS FOR RISERS:

CORRUGATED STEEL PIPE								
PIPE DIA. INCHES	8-21	24	30	36	48	54	60	66
MIN. GAUGE	16	16	14	14	12	10	10	10

CORRUGATED ALUMINUM PIPE						
PIPE DIA. INCHES	8-21	24	30	36	48	54
MIN. GAUGE	16	14	14	14	10	10

TEMPORARY SEDIMENTATION BASIN INLET STANDPIPE

NO SCALE

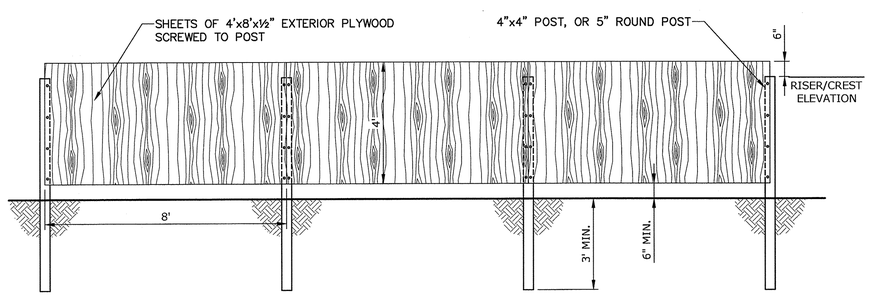


NOTES:

1. TUBES FOR COMPOST FILTERS SHALL BE JUTE MESH OR APPROVED BIODEGRADABLE MATERIAL.
2. TAMP TUBES IN PLACE TO ENSURE GOOD CONTACT WITH SOIL SURFACE.
3. PROVIDE 3' MINIMUM OVERLAP AT ENDS OF TUBES TO JOIN IN A CONTINUOUS BARRIER AND MINIMIZE UNIMPEDED FLOW.
4. COMPOST MATERIAL TO BE DISPERSED ON SITE WITHIN LIMITS OF WORK FOLLOWING SITE STABILIZATION, AS DIRECTED.
5. INSTALL TUBES ALONG CONTOURS AND PERPENDICULAR TO SHEET OR CONCENTRATED FLOW.
6. DO NOT INSTALL IN PERENNIAL, EPHEMERAL OR INTERMITTENT STREAMS.
7. CONFIGURE TUBES AROUND EXISTING SITE FEATURES TO MINIMIZE SITE DISTURBANCE AND MAXIMIZE CAPTURE AREA OF STORMWATER RUN-OFF.

EROSION CONTROL BARRIER

NO SCALE

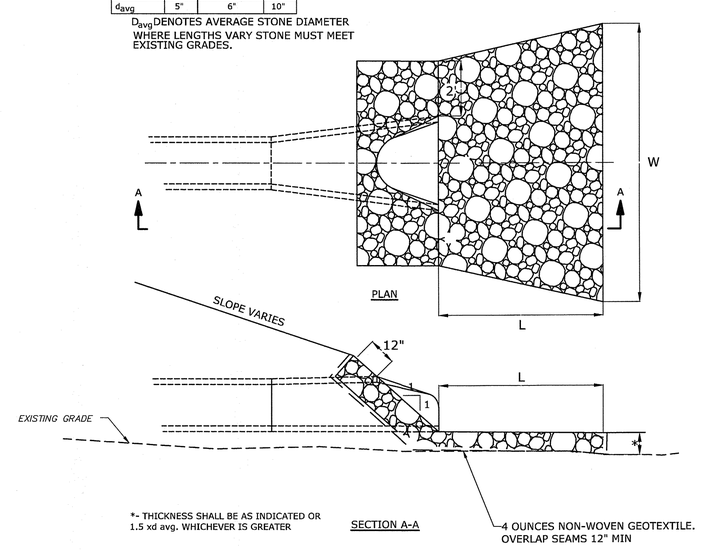


TEMPORARY PLYWOOD BAFFLE

NO SCALE

BASIN	2C	2B, 2D, 2E, 2J, 3H	2F, 2H 2I
WIDTH (W)	7.1'	7.1'	7.1'
LENGTH (L)	5'	5'	5'
THICKNESS	17.5"	21"	24"
d_{avg}	5"	6"	10"

D_{avg} DENOTES AVERAGE STONE DIAMETER
WHERE LENGTHS VARY STONE MUST MEET EXISTING GRADES.



STONE AT CULVERT ENDS

NO SCALE

Tighe&Bond

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED
PROFESSIONAL ENGINEER
1-30-20

Nutmeg Solar Project

Nutmeg Solar, LLC

Enfield, Connecticut

MARK	DATE	DESCRIPTION

PROJECT NO:	R-0317
DATE:	10/22/2018
FILE: Stormwater Details.dwg	
DRAWN BY:	ELD
CHECKED:	JEC/BSH
APPROVED:	FJH

DETAILS - 2

SCALE: AS SHOWN

SESC-39

Last Saved: 1/20/2020
Plotted On:Jan 20, 2020-5:09pm By: ELD
Tighe & Bond:J:\R\R0317 Ranger Solar\R-0317-4 Nutmeg\Drawings\Sheets\SESC Plans\Construction SESC\Stormwater Details.dwg