Quinebaug Solar, LLC - Response

Petition No. 1310A
Substation, Switchyard and Project Clearing D&M Plan Interrogatories
Set One

November 12, 2020

1. Referencing page 1 of the Substation, Switchyard and Project Clearing Development and Management Plan (Partial D&M Plan), Quinebaug Solar, LLC (Quinebaug) notes that "Construction of the Substation and Switchyard are expected to be completed by October 2021, with the exception of punch list items and final establishment of vegetation cover…" Please identify the punch list items.

   Company Response:
   Punchlist items refer to the final items to be completed that are discovered during final inspection. These items tend to be minor details that would not have a functional impact on the Project. This may include final finishes, final site stabilization in discrete areas where vegetation has not reached enough cover to be considered stable, site road touch ups and minor fence repairs. These punch list items are not currently known, but will be completed prior to Project construction closeout.

2. The site plan provided for the Quinebaug Collector Substation in the Partial D&M Plan does not depict any equipment inside. Please provide a site plan for the Quinebaug Collector Substation that depicts equipment, e.g. the generator step-up transformer and interconnection to Canterbury Switching Station as applicable.

   Company Response:
   Attachment CSC – 2 includes the final, stamped civil drawings for the substation, as well as a second figure with the substation components overlain on an aerial image with the major substation components labeled.

3. Referencing page 2 of the Partial D&M Plan, provide the status of the DEEP Stormwater Permit, and submit a copy if available.

   Company Response:
   Quinebaug submitted for the DEEP Stormwater Permit in July 2020. The permit application remains under DEEP review and based on conversations with DEEP, we anticipate registration within the next several weeks. Quinebaug will provide a copy of the DEEP Stormwater Permit to the Council once received.

4. What types of equipment would be utilized to perform the tree cutting and removal associated with the Partial D&M Plan?

   Company Response:
   A contractor has not yet been selected for the Project so exact equipment cannot be provided. Regardless of the clearing contractor selected, we anticipate a variety of equipment will be used for the tree cutting and removal, to include hand tools (chain saws), feller bunchers, tracked and

wheeled skidders and forwarders, as well as handling and processing equipment such as chippers, loader cranes, log trucks and trailer trucks. The existing network of roads will be utilized to the extent possible to allow for access of equipment to the site.

5. Referencing Condition 1e of the Council's Declaratory Ruling, it states, "Erosion and sedimentation control plan consistent with the *2002 Connecticut Guidelines for Erosion and Sedimentation Control* including, but not limited to, seeding the site for stabilization purposes…and utilization of silt socks or similar manufactured product in conjunction with silt fence in areas of disturbance closest to wetlands." Please provide a copy of the erosion and sediment control plan per Condition 1e that include the substation/switchyard area and other areas to be cleared as part of this Partial D&M Plan, as applicable. Would such measures comply with the 2002 Connecticut Guidelines on Soil Erosion and Sediment Control?

   Company Response:
   A Stormwater Pollution Control Plan has been prepared and submitted to DEEP for registration under the Construction General Permit. This Plan was developed to be consistent with the 2002 Connecticut Guidelines for Erosion and Sedimentation Control, including provisions for site stabilization and erosion and sediment controls. Attachment C of the Partial D&M plan Dated October 2, 2020 includes the Erosion and Sedimentation Control Plan. Erosion and sedimentation control are addressed in Section 2.7.2 Erosion and Sediment Controls, and Section 2.7.3 Sequence of Major Erosion and Sediment Control Activities. Additionally, the enclosed drawings in Attachment CSC-5, Sheets SESC 10, 11, and 56, address erosion and sedimentation control at the substation and switchyard location.

Attachment CSC – 2

REV	DATE	BY	CKD	DESCRIPTION
0	07/31/20	WFM	CJJ	IFC

DRAWING NUMBER	DRAWING NAME	DATE	REV
QB1-D-P002-1	115/34.5kV SUBSTATION SITE PLAN	07/31/20	0
QB1-D-P002-2	115/34.5kV SUBSTATION GRADING PLAN	07/31/20	0
QB1-D-P002-3	115/34.5kV SUBSTATION GRADING SECTIONS	07/31/20	0
QB1-D-P002-4	115/34.5kV SUBSTATION EROSION CONTROL PLAN	07/31/20	0
QB1-D-P002-5	115/34.5kV SUBSTATION EROSION CONTROL DETAILS	07/31/20	0

CIVIL DRAWING LIST

PRAPON SOMBOONYANON - ENGINEER
CT # - 29211

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BURNS & McDONNELL ENGINEERING COMPANY, INC.
9400 WARD PARKWAY
KANSAS CITY, MO 64114

date	detailed
07/31/20	W. MARKO
designed	checked
W. MARKO	C. JERGENSEN

NEXTERA ENERGY RESOURCES, LLC
700 UNIVERSE BLVD.
JUNO BEACH, FL 33408

QUINEBAUG SOLAR PROJECT

CANTERBURY, CT 06234

QUINEBAUG SOLAR
DRAWING LIST
CIVIL

project	contract
109465	

drawing QB1-D-A001-3 rev. 0

sheet 1 of 1 sheets

file QB1-D-A001-3.dwg



NOTES:

1. BASIS OF BEARING, PROPERTY CORNERS, LAND INFORMATION AND TOPOGRAPHIC INFORMATION OBTAINED FROM THE SURVEY PERFORMED BY:
   PROVOST & ROVERO, INC.
   57 EAST MAIN STREET, P.O. BOX 191
   PLAINFIELD, CONNECTICUT 06374
2. COORDINATES SHOWN IN CONNECTICUT STATE PLANE NAD83 (2011), ZONE 0600, US SURVEY FEET. NAD83 & NAVD88 HORIZONTAL AND VERTICAL DATA, RESPECTIVELY.
3. FOR PROJECT LOCATION, SEE QUINEBAUG EPC SOLAR ARRAY DRAWINGS
4. EVERSOURCE CANTERBURY ROAD SWITCHYARD ARRANGEMENT SHOWN FOR REFERENCE ONLY.
5. FEMA FIRM MAP: 0901830010A, ZONE X, AREA OUTSIDE THE 1% ANNUAL CHANCE FLOOD

LEGEND

- 170 — EXISTING MAJOR CONTOUR
- 171 — EXISTING MINOR CONTOUR
- ℄ — PROPERTY LINE
- — TOP OF SLOPE
- — BASELINE
- — STATION FENCE
- OHW — OVERHEAD ELECTRIC LINE
- BENCHMARK

REFERENCES:

QB1-D-P002-2	GRADING PLAN
QB1-D-P002-3	GRADING SECTIONS
QB1-D-P002-4	EROSION CONTROL PLAN
QB1-D-P002-5	EROSION CONTROL DETAILS
QB1-D-P003-1	GENERAL ARRANGEMENT PLAN
QB1-D-P013-1	FENCE DETAILS

REV	DATE	BY	CKD	DESCRIPTION
0	07/31/20	PJK	MEB	IFC

STATE OF CONNECTICUT
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No. 29211
PROFESSIONAL ENGINEER

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PEC.000341

date	detailed
07/31/20	P. KENSLOW
designed	checked
J. RINGER	M. BIRD

NEXTera ENERGY RESOURCES

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JUNO BEACH, FL 33408

QUINEBAUG SOLAR PROJECT

CANTERBURY, CT 06234

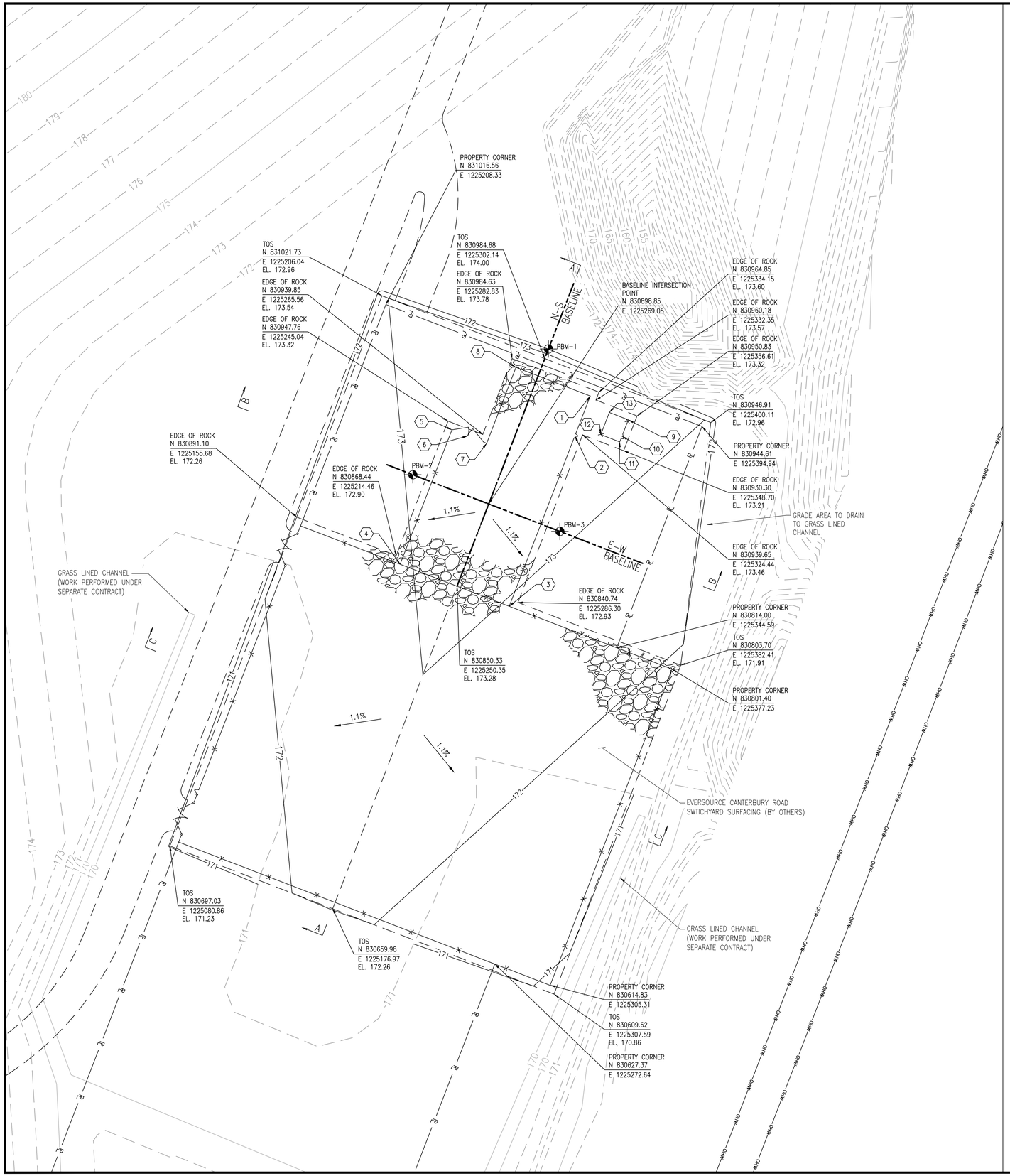
QUINEBAUG SOLAR
115/34.5kV SUBSTATION
SITE PLAN

project	contract
109465	

drawing QB1-D-P002-1 rev. 0

sheet 1 of 1 sheets

file QB1-D-P002-1.dwg



LEGEND:

- 170 — EXISTING MAJOR CONTOUR
- 171 — EXISTING MINOR CONTOUR
- 171 — PROPOSED CONTOUR
- ACCESS ROAD CENTER LINE
- PROPERTY LINE
- TOP OF SLOPE
- BASELINE
- STATION FENCE
- OHW — OVERHEAD ELECTRICAL WIRE
- BENCHMARK
- EL — ELEVATION
- TOS — TOP OF SLOPE
- CRUSHED ROCK SURFACE

NORTH

0 30' 60'
SCALE IN FEET

NOTES:

1. CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING UTILITIES PRIOR TO EARTH MOVING ACTIVITIES. NOTIFY OWNER AND ENGINEER OF UNDOCUMENTED AND RELOCATED UTILITIES. CONTRACTOR SHALL USE EXTREME CAUTION WHEN IN THIS AREA.
2. CONTOURS AND ELEVATIONS INDICATED ARE TO FINISHED GRADE, TOP OF 4" CRUSHED ROCK SURFACING, UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO PROPERTY OF ADJACENT LANDOWNERS INCLUDING EXISTING UTILITIES, EXISTING PAVEMENTS, FENCING, ETC. WHICH IS DAMAGED IN THE PERFORMANCE OF THIS CONTRACT BY THE CONTRACTOR, HIS AGENTS, EMPLOYEES, SUBCONTRACTORS, OR THEIR EMPLOYEES. DAMAGED PROPERTY SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER AT THE CONTRACTOR'S EXPENSE.
4. THE BASELINES SHALL BE ESTABLISHED AS SHOWN, AND THE EAST-WEST BASELINE SHALL BE PERPENDICULAR TO THE NORTH-SOUTH BASELINE.
5. HORIZONTAL AND VERTICAL CONTROL SHOWN IS BASED ON SURVEY FILE PROVIDED BY PROVOST & ROVERO, INC. CONTRACTOR'S SURVEYOR SHALL CONFIRM PROPERTY CORNERS, HORIZONTAL AND VERTICAL CONTROL PRIOR TO THE START OF CONSTRUCTION. CONTACT ENGINEER IF EXISTING CONDITIONS VARY FROM INFORMATION SHOWN.
6. CONTRACTOR SHALL FURNISH AND INSTALL (3) BERNSTEN MODEL G-1 MONUMENTS 48" LONG OR ENGINEER APPROVED EQUAL. MONUMENTS SHALL BE CAPPED AND MARKED WITH AN "X". BENCHMARK ELEVATIONS SHALL BE WITHIN 0.1 FEET OF FINAL OR EXISTING GRADE. BENCHMARK ELEVATIONS SHALL BE RECORDED AND SUBMITTED TO OWNER.
7. SIDE SLOPES SHALL BE 3'-0" (HORIZONTAL) TO 1'-0" (VERTICAL) UNLESS OTHERWISE NOTED. SIDES SLOPES 3'-0" (HORIZONTAL) TO 1'-0" (VERTICAL) SHALL BE STABILIZED WITH EROSION CONTROL BLANKETING PER DWG QB1-D-P002-5.
8. CRUSHED ROCK SURFACING SHALL EXTEND A MINIMUM OF 4'-0" OUTSIDE OF SUBSTATION FENCE OR TO THE TOS LINE AS INDICATED.
9. CONTRACTOR TO STRIP TOPSOIL AS SPECIFIED IN GEOTECHNICAL ENGINEERING REPORT PROVIDED BY BARR ENGINNERING, CO. WITHIN GRADING LIMITS.
10. ALL SOFT, WET, ORGANIC OR OTHERWISE UNSUITABLE MATERIAL SHALL BE REMOVED & REPLACED WITH SUITABLE MATERIALS IN ACCORDANCE WITH PROJECT SUBSTATION AND TRANSMISSION LINE GEOTECHNICAL INVESTIGATION REPORT NO. GE1904012 PROVIDED BY BARR ENGINNERING, CO. DATED FEBRUARY 12, 2019.
11. CRUSHED ROCK SURFACING SHALL BE PLACED AS INDICATED BELOW AND ACCORDING TO SPECIFICATIONS

    SUBSTATION PAD

    4 INCH MINIMUM COMPACTED THICKNESS OF WASHED, CRUSHED ROCK EXTENDING 4 FEET BEYOND FENCE, MEETING THE FOLLOWING GRADATION REQUIREMENTS:

SIEVE DESIGNATION	% BY WEIGHT PASSING SQUARE MESH SIEVE
1 INCH	100
¾ INCH	90-100
½ INCH	20-55
⅜ INCH	0-15
NO. 4	0-5

12. ACCESS ROAD ROUTING SHOWN FOR REFERENCE ONLY. SEE QUINEBAUG EPC SOLAR ARRAY DRAWINGS FOR ACCESS ROAD DETAILS.

PERMANENT BENCHMARK LOCATIONS (SEE NOTES 4 & 5)			
POINT	STATE PLANE		ELEVATION
	NORTH	EAST	
PBM-1	830990.29	1225304.30	✳
PBM-2	830916.11	1225224.26	✳
PBM-3	830882.66	1225311.04	✳

✳ TO BE DETERMINED BY CONTRACTOR AND REPORTED TO OWNER

POINT TABLE				
POINT #	ELEVATION	NORTHIING	EASTING	DESCRIPTION
1	173.62	830962.55	1225328.98	FENCE CORNER
2	173.49	830939.04	1225319.91	CENTER 2'-8" MAN GATE
3	172.95	830838.46	1225281.14	FENCE CORNER
4	172.95	830863.28	1225216.75	FENCE CORNER
5	173.35	830942.59	1225247.33	FENCE CORNER
6	173.45	830938.99	1225256.66	CENTER 20'-0" SWING GATE
7	173.57	830934.67	1225267.86	FENCE CORNER
8	173.81	830979.46	1225285.12	FENCE CORNER
9	173.33	830948.54	1225351.44	FENCE CORNER
10	173.28	830938.82	1225347.69	CENTER 2-8" MAN GATE
11	173.26	830935.47	1225346.40	FENCE CORNER
12	173.38	830939.79	1225335.21	FENCE CORNER
13	173.45	830952.85	1225340.24	FENCE CORNER

REFERENCES:

- QB1-D-P002-1 — SITE PLAN
- QB1-D-P002-3 — GRADING SECTIONS
- QB1-D-P002-4 — EROSION CONTROL PLAN
- QB1-D-P002-5 — EROSION CONTROL DETAILS
- QB1-D-P003-1 — GENERAL ARRANGEMENT PLAN
- QB1-D-P013-1 — FENCE DETAILS

REV	DATE	BY	CKD	DESCRIPTION
0	07/31/20	PJK	MEB	IFC

STATE OF CONNECTICUT
PRAPON SOMBOONYANON
No. 29211
LICENSED PROFESSIONAL ENGINEER

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CT # - 29211

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BURNS McDONNELL

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9400 WARD PARKWAY
KANSAS CITY, MO 64114
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date	detailed
07/31/20	P. KENSLOW
designed	checked
J. RINGER	M. BIRD

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QUINEBAUG SOLAR PROJECT

CANTERBURY, CT 06234

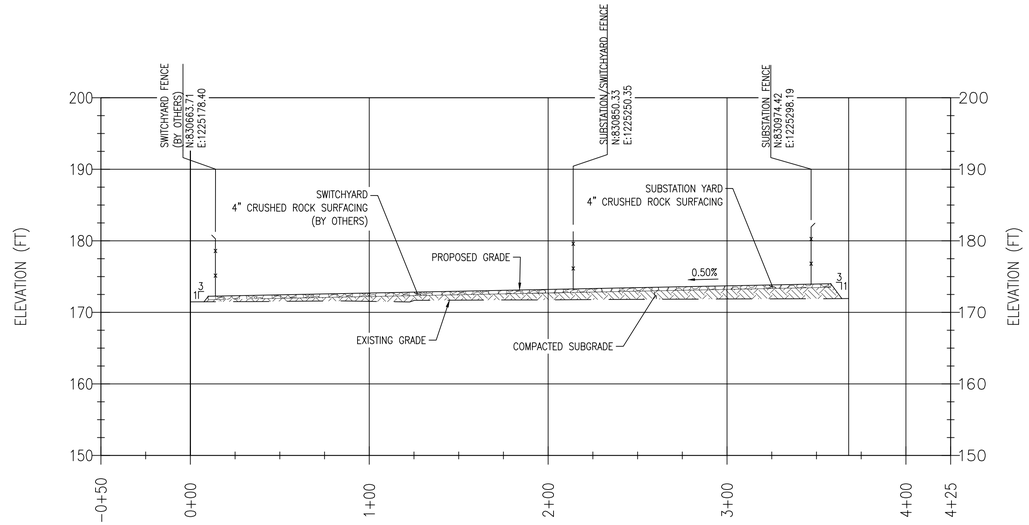
QUINEBAUG SOLAR
115/34.5kV SUBSTATION
GRADING PLAN

project	contract
109465	

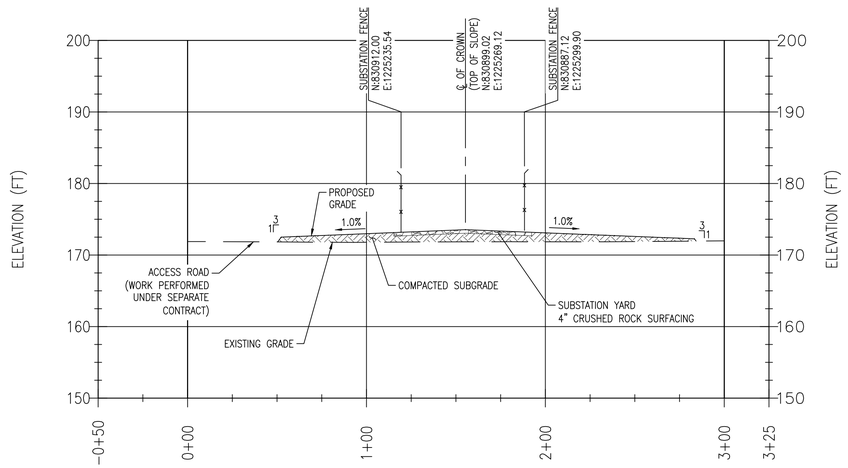
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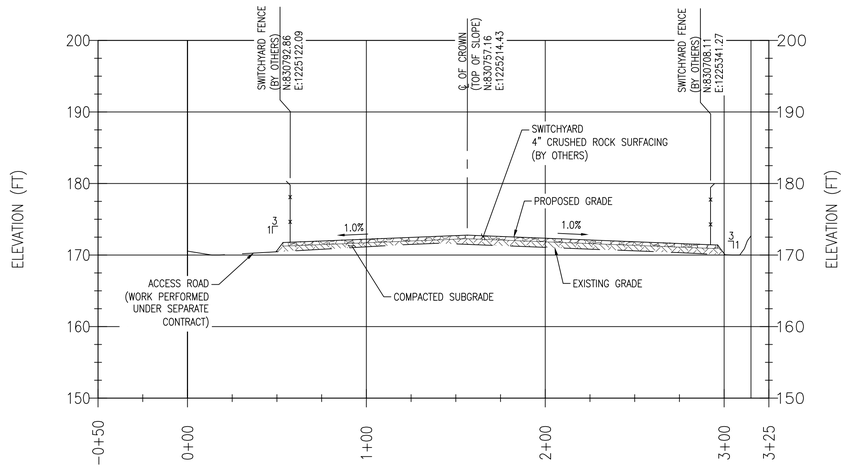
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SUBSTATION PAD NORTH–SOUTH GRADING PROFILE (A–A / N–S)



SUBSTATION PAD EAST–WEST GRADING PROFILE (B–B / E–W)



SWITCHYARD PAD EAST–WEST GRADING PROFILE (C–C / E–W)

PROFILE SCALES:

VERTICAL — 0, 10', 20' — SCALE IN FEET

HORIZONTAL — 0, 20', 40', 80' — SCALE IN FEET

REFERENCES:

QB1-D-P002-1	SITE PLAN
QB1-D-P002-2	GRADING PLAN
QB1-D-P002-4	EROSION CONTROL PLAN
QB1-D-P002-5	EROSION CONTROL DETAILS
QB1-D-P003-1	GENERAL ARRANGEMENT PLAN
QB1-D-P013-1	FENCE DETAILS

REV	DATE	BY	CKD	DESCRIPTION
0	07/31/20	PJK	MEB	IFC

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KANSAS CITY, MO 64114
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date	detailed
07/31/20	P. KENSLOW
designed	checked
J. RINGER	M. BIRD

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QUINEBAUG SOLAR PROJECT

CANTERBURY, CT 06234

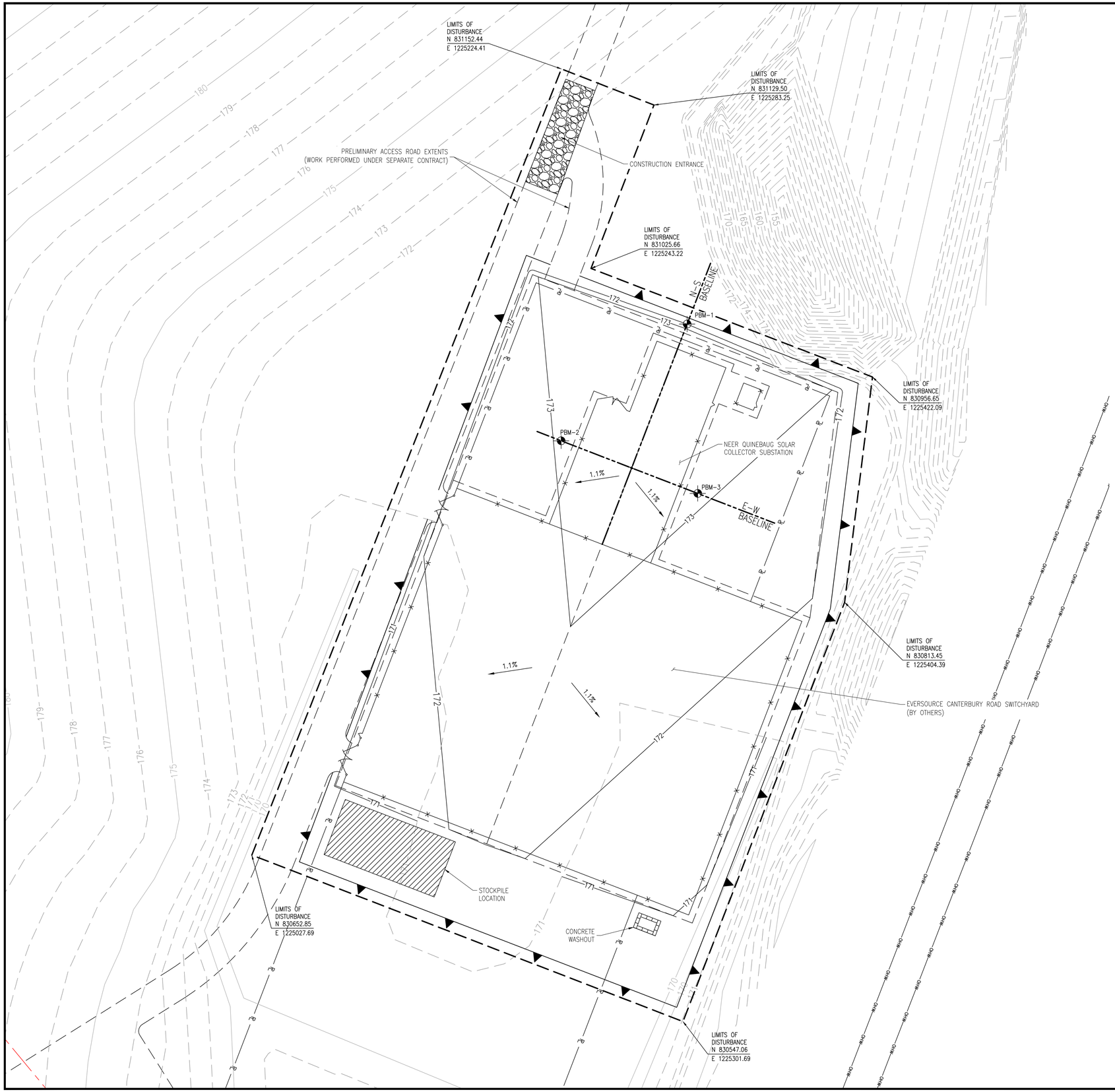
QUINEBAUG SOLAR
115/34.5kV SUBSTATION
GRADING SECTIONS

project	contract
109465	

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sheet 1 of 1 sheets

file QB1-D-P002-3.dwg



NOTES:

1. CONTOURS AND ELEVATIONS INDICATED ARE TO FINISHED GRADE UNLESS OTHERWISE NOTED.
2. ALL BMP'S SHALL BE INSTALLED PRIOR TO SITE CONSTRUCTION ACTIVITIES AND SHALL REMAIN IN PLACE UNTIL FINAL SITE SURFACING IS COMPLETE AND VEGETATION IS ADEQUATELY STABILIZED.
3. ALL BMP'S SHALL BE INSPECTED ONCE EVERY 7 CALENDAR DAYS AND AFTER EACH RAINFALL EVENT GREATER THAN 0.5 INCHES PER 24 HOUR PERIOD BY THE END OF THE NEXT CALENDAR DAY, EXCLUDING WEEKENDS AND HOLIDAYS UNLESS WORK IS SCHEDULED.
4. ALL SLOPES OR DISTURBED AREAS 3'–0" HORIZONTAL TO 1'–0" VERTICAL OR STEEPER SHALL BE STABILIZED WITH EROSION CONTROL BLANKETS IMMEDIATELY UPON COMPLETION OF GRADING ACTIVITIES.
5. ALL WORK TO BE IN ACCORDANCE WITH PROJECT SPECIFICATION SECTION 312000 "SITE PREPARATIONS AND EARTHWORK".
6. ALL DISTURBED AREAS OUTSIDE THE STONE STATION PAD OR ACCESS DRIVE SHALL BE TOP-SOILED, MULCHED, AND SEEDED IN ACCORDANCE WITH PROJECT SPECIFICATIONS SECTION 312000.
7. CONTRACTOR TO LOCATE STOCKPILE, CONCRETE WASHOUT AND RELATED EROSION CONTROL MEASURES ON SITE AS REQUIRED TO SUPPORT CONSTRUCTION.

AREA OF DISTURBANCE		
AREA	SQ. FT.	ACRES
DISTURBANCE	128942	2.96

LEGEND:

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED CONTOUR
- TOP OF SLOPE
- BASELINE
- STATION FENCE
- BENCHMARK
- SILT SOCK
- LIMITS OF DISTURBANCE
- CONSTRUCTION ENTRANCE
- STOCKPILE

REFERENCES:

QB1-D-P002-1	SITE PLAN
QB1-D-P002-2	GRADING PLAN
QB1-D-P002-3	GRADING SECTIONS
QB1-D-P002-5	EROSION CONTROL DETAILS
QB1-D-P003-1	GENERAL ARRANGEMENT PLAN
QB1-D-P013-1	FENCE DETAILS

REV	DATE	BY	CKD	DESCRIPTION
0	07/31/20	PJK	MEB	IFC

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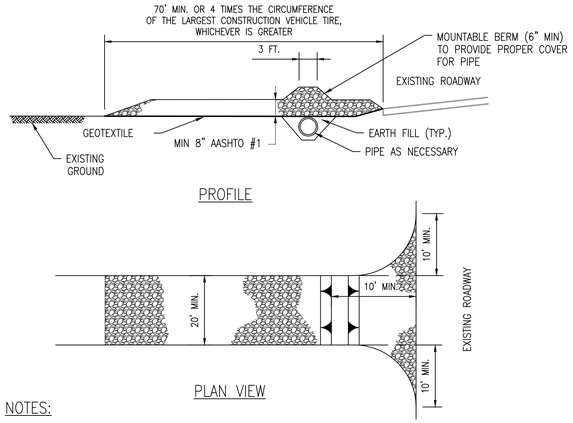
QUINEBAUG SOLAR
115/34.5kV SUBSTATION
EROSION CONTROL PLAN

project	contract
109465	

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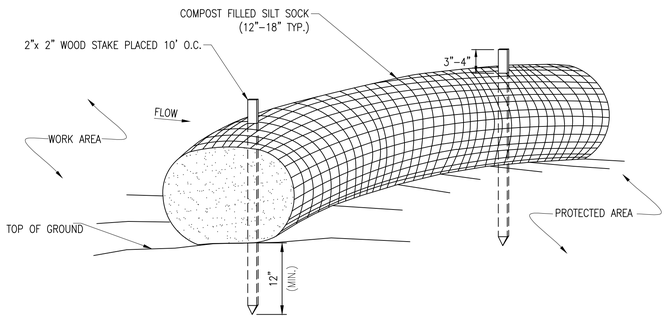


NOTES:

1. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE SURFACE.
2. WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
3. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS–OF–WAY MUST BE REMOVED IMMEDIATELY.
4. WASHING – WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS–OF–WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
5. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN STORM EVENT.

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

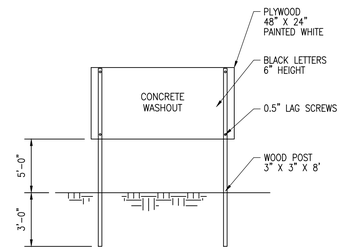


NOTES:

1. SILT SOCK SHALL BE FILTREXX™ SILTSOXX™ OR APPROVED EQUIVALENT.
2. SEE SPECIFICATIONS FOR SOCK SIZE AND COMPOST FILL REQUIREMENTS.
3. SILT SOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED AS NEEDED.
4. COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.

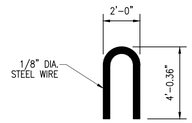
SILT SOCK

NOT TO SCALE



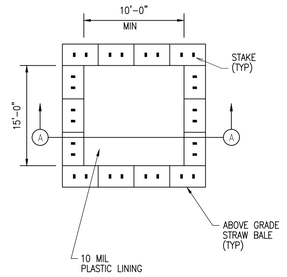
CONCRETE WASHOUT SIGN OR EQUIVALENT

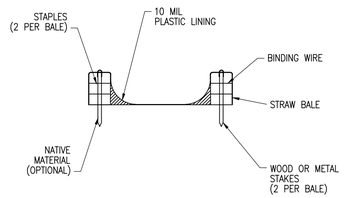
NOT TO SCALE



STAPLE DETAIL

NOT TO SCALE





SECTION A–A

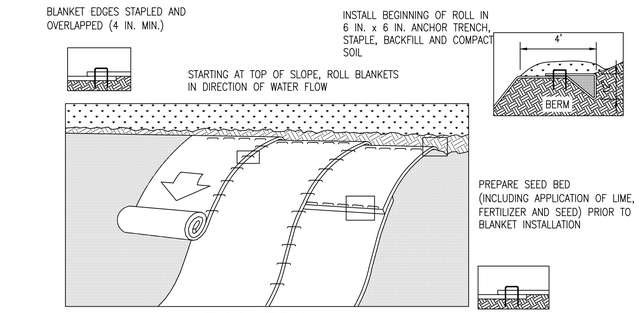
NOT TO SCALE

NOTES:

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. PREFABRICATED WASHOUT STATIONS MAY BE USED AT CONTRACTOR'S DISCRETION.
3. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

CONCRETE WASHOUT DETAIL

NOT TO SCALE



NOTES:

1. SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKET.
2. PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.
3. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.
4. BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.
5. THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
6. BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

EROSION CONTROL BLANKET

NOT TO SCALE

REFERENCES:

QB1–D–P002–1	SITE PLAN
QB1–D–P002–2	GRADING PLAN
QB1–D–P002–3	GRADING SECTIONS
QB1–D–P002–4	EROSION CONTROL PLAN
QB1–D–P003–1	GENERAL ARRANGEMENT PLAN
QB1–D–P013–1	FENCE DETAILS

REV	DATE	BY	CKD	DESCRIPTION
0	07/31/20	PJK	MEB	IFC



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PRAPON SOMBOONYANON - ENGINEER
CT # - 29211

ISSUED FOR CONSTRUCTION

BURNS & McDONNELL ENGINEERING COMPANY, INC.
9400 WARD PARKWAY
KANSAS CITY, MO 64114
PEC.000341

date	detailed
07/31/20	P. KENSLOW
designed	checked
J. RINGER	M. BIRD

NEXTera ENERGY RESOURCES

NEXTERA ENERGY RESOURCES, LLC
700 UNIVERSE BLVD.
JUNO BEACH, FL 33408

QUINEBAUG SOLAR PROJECT

CANTERBURY, CT 06234

QUINEBAUG SOLAR
115/34.5 kV SUBSTATION
EROSION CONTROL DETAILS

project	contract
109465	

drawing QB1-D-P002-5 rev. 0

sheet 1 of 1 sheets

file QB1-D-P002-5.dwg



NORTH

0 30' 60'
SCALE IN FEET

LEGEND

- TOP OF SLOPE
- STATION FENCE
- (1) EQUIPMENT CALLOUT

MAJOR EQUIPMENT

1	CONTROL BUILDING
2	115/34.5kV TRANSFORMER
3	115kV BREAKER
4	115kV DISCONNECT SWITCH
5	34.5kV BREAKER
6	TELCO CABINET

REV	DATE	BY	CKD	DESCRIPTION
-	11/11/20	-	-	FOR REFERENCE

FOR REFERENCE

BURNS & McDONNELL ENGINEERING COMPANY, INC.
9400 WARD PARKWAY
KANSAS CITY, MO 64114
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date	detailed
11/11/20	-
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-	-

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QUINEBAUG SOLAR
115/34.5kV SUBSTATION
KEY PLAN

project	contract
109465	

drawing QB1-D-P002-SKETCH rev.

sheet 1 of 1 sheets

file QB1-D-P002-SKETCH.dwg

Attachment CSC – 5

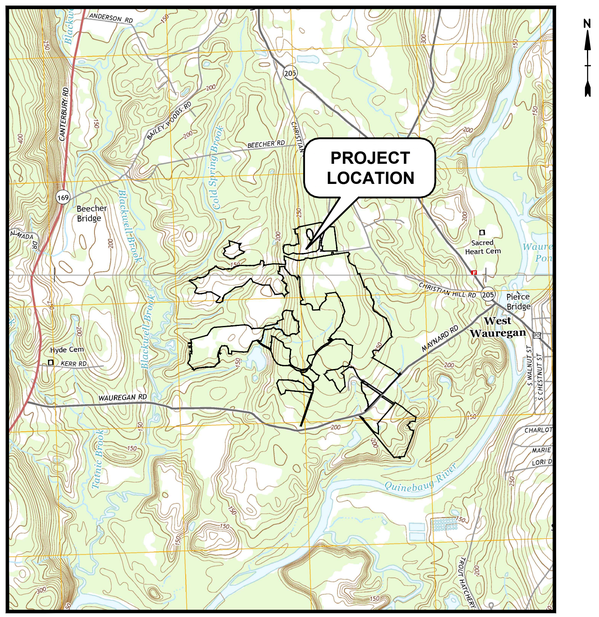
QUINEBAUG SOLAR PROJECT

SOIL EROSION AND SEDIMENT CONTROL PLAN

BROOKLYN AND CANTERBURY, CONNECTICUT

APRIL 2020

SHEET NO.	SHEET TITLE
	COVER SHEET
SESC-1	SOIL EROSION AND SEDIMENT CONTROL PLAN - OVERALL
SESC-2	SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 1 - OVERALL
SESC-3 - SESC-14	SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 1A - PHASE 1K
SESC-15	SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 2 - OVERALL
SESC-16 - SESC-33	SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 2A - PHASE 2Q
SESC-34	SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 3 - OVERALL
SESC-35 - SESC-59	SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 3A - PHASE 3U
SESC - 60	SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 4 - OVERALL
SESC-61 - SESC-78	SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE 4A - PHASE 4Q
SESC-79 - SESC-81	DETAILS



SCALE: 1" = 2,000'

PREPARED BY:

Tighe&Bond

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

4/30/20

BRIAN S. HUNTLEY, PE

DEVELOPER

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

ENGINEER

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

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COMPLETE SET 82 SHEETS

Apr 30, 2020 10:58am Plotted By: AGilchrist
Tighe & Bond, Inc. J:\R0317 Ranger Solar\R-0317-2_Quinebaug\Drawings_Figures\AutoCAD\Sheet\Quinebaug COVER - SESC.dwg



NOTE: THIS DRAWING SET IS FOR CONSTRUCTION-PERIOD SOIL EROSION AND SEDIMENT CONTROLS ONLY. REFER TO CONSTRUCTION DRAWINGS FOR PLAN REFERENCES, DESIGN INFORMATION, AND ADDITIONAL NOTES.

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No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

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SOIL EROSION AND SEDIMENT CONTROL PLAN - OVERALL

SCALE: 1" = 350'

SESC-1



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SOIL EROSION AND SEDIMENT CONTROL PLAN - PHASE 1 OVERALL

SCALE: 1" = 350'

SESC-2

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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 234 ACRES OF DISTURBANCE.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2020/2021, PER NDDB RECOMMENDATIONS.

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 AND BASIN 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 DESIGN INFORMATION.
5. 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. ENVIRONMENTAL RESTRICTION AND SAFETY TRAINING FOR ALL SITE PERSONNEL.
3. PRECONSTRUCTION MEETING.
4. INSTALL CONSTRUCTION ENTRANCE.
5. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND STORMWATER POLLUTION CONTROL PLAN (SWPCP).
6. PRIOR TO INSTALLING STORMWATER CONTROLS, SUCH AS TEMPORARY DIVERSIONS AND 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 STABILIZED MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
7. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS, DIVERSION SWALES AND BERMS WITH CHECK DAMS.
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10. CONSTRUCT SITE ROADS AND APPURTENANCES.
11. STABILIZE SITE BY SEEDING OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR SEEDED AREA AND AUGMENT WITH ADDITIONAL SEEDING AS NEEDED.
12. UPON STABILIZATION, TEMPORARY CONTROLS MAY BE REMOVED OR RELOCATED AS NECESSARY TO CONSTRUCT SUBSEQUENT SUB-PHASES.

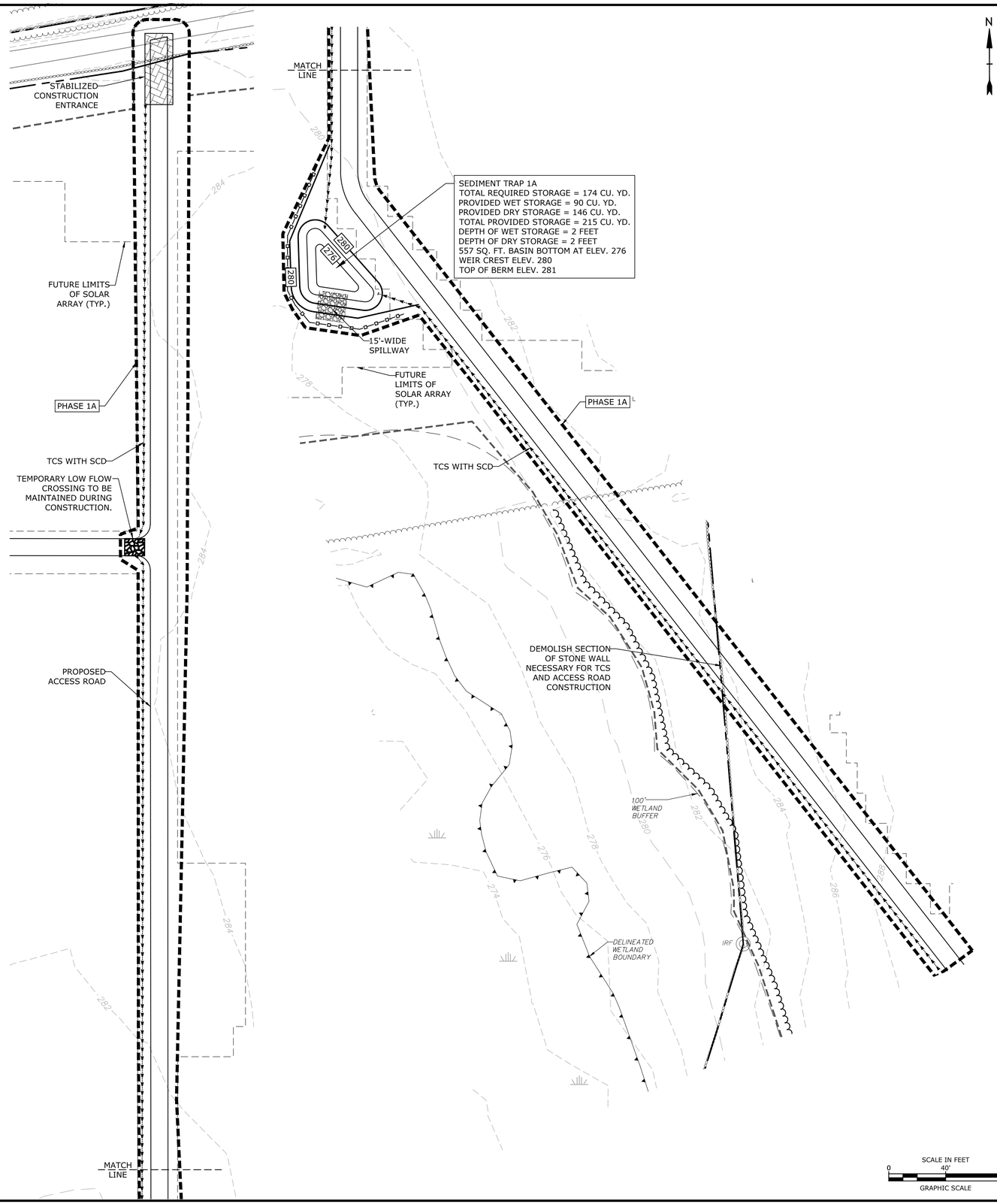
LEGEND

- 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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4/30/20

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Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

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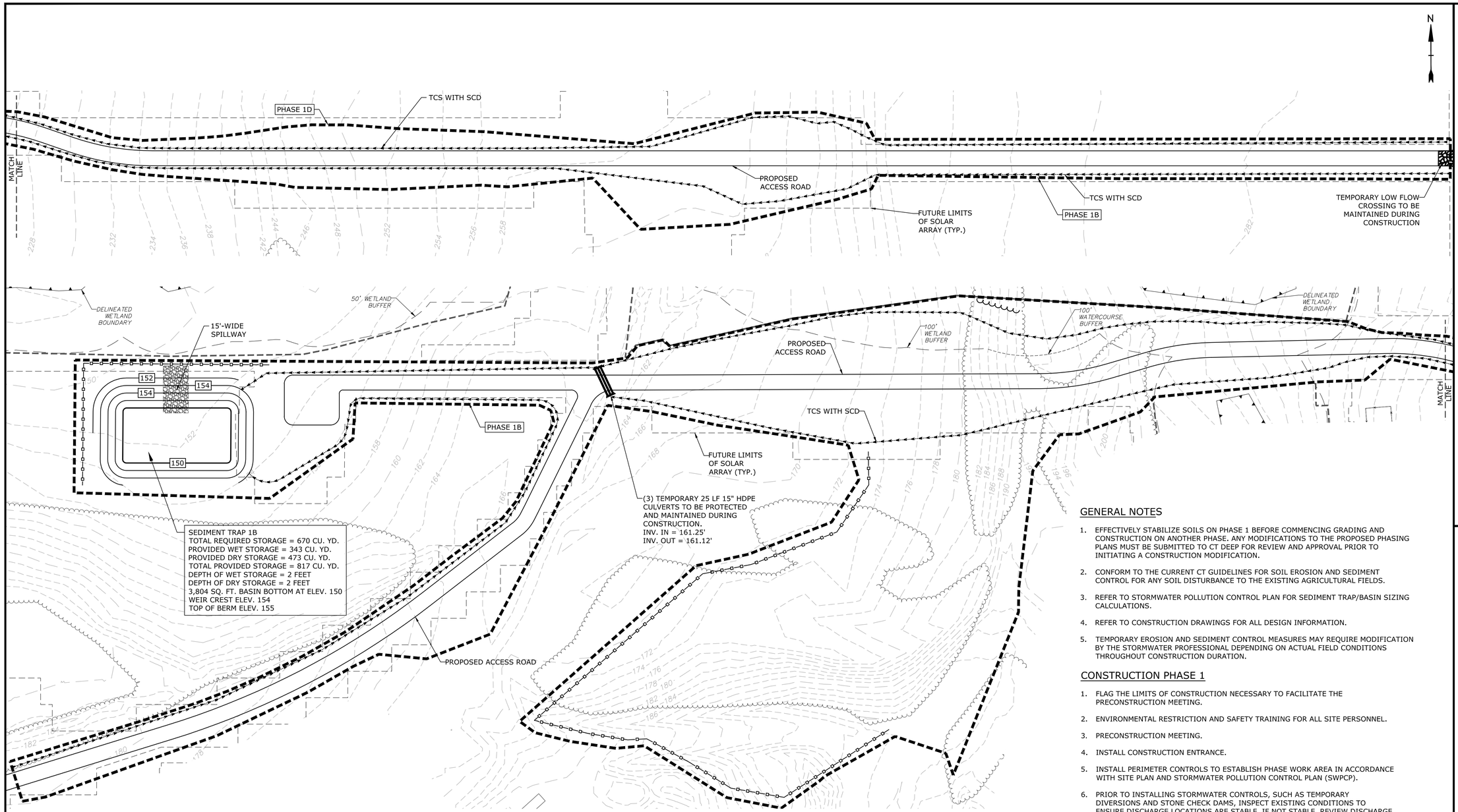
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CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 1A

SCALE: 1" = 40'

SESC-3

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LEGEND

- PHASE LIMIT LINE
- FUTURE LIMIT OF SOLAR ARRAY
- PERIMETER EROSION CONTROL
- TEMP. CONVEYANCE SWALE WITH SCD
- TEMPORARY SOIL STOCKPILE
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S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

SESC NARRATIVE

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

NOTE: SEDIMENT TRAP 1B IS THE SAME AS SEDIMENT TRAP 2C.

GENERAL NOTES

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CONSTRUCTION PHASE 1

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SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

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Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

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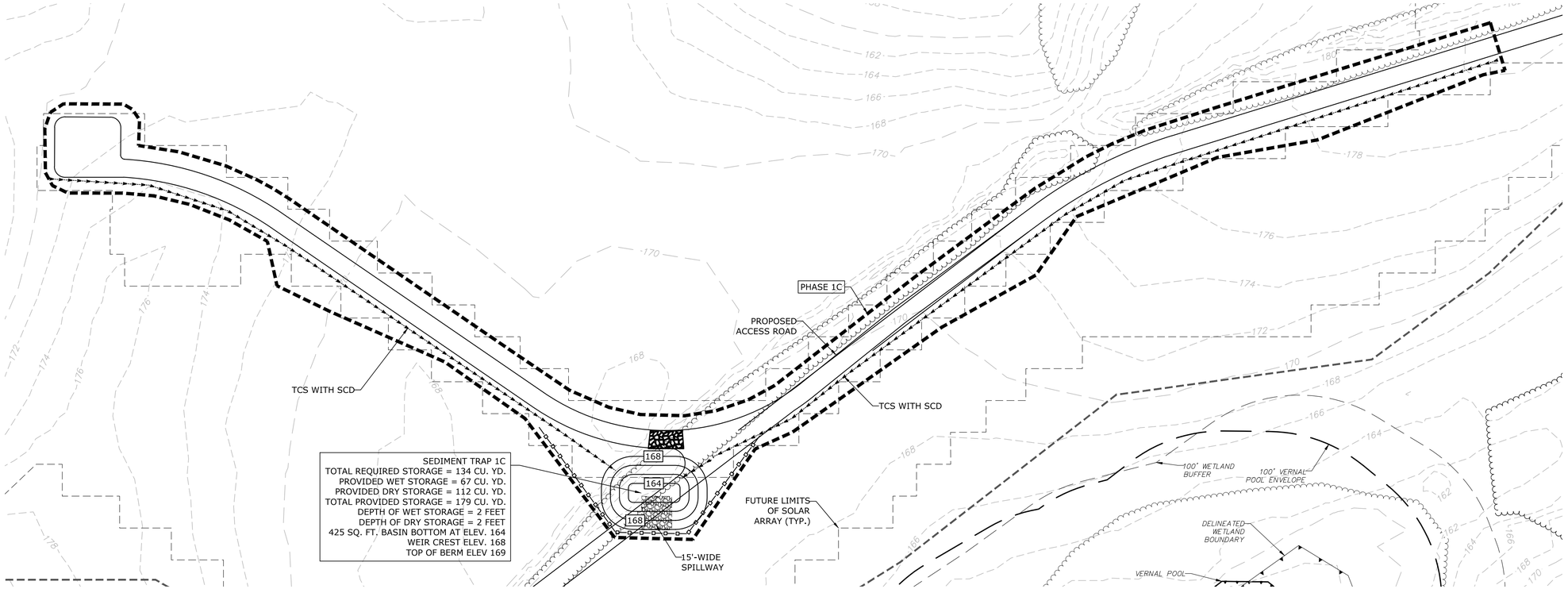
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SOIL EROSION AND SEDIMENT CONTROL PLAN - 1B

SCALE: 1" = 40'

SESC-4

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CONSTRUCTION PHASE 1

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SESC NARRATIVE

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LEGEND

- PHASE LIMIT LINE
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- TEMP. CONVEYANCE SWALE WITH SCD
- TEMPORARY SOIL STOCKPILE
- EXISTING LIMIT OF VEGETATION
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S&E CODES

SCD STONE CHECK DAM

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SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

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Brooklyn & Canterbury, Connecticut

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APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 1C

SCALE: 1" = 40'

SESC-5

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LEGEND

PHASE LIMIT LINE

FUTURE LIMIT OF SOLAR ARRAY

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

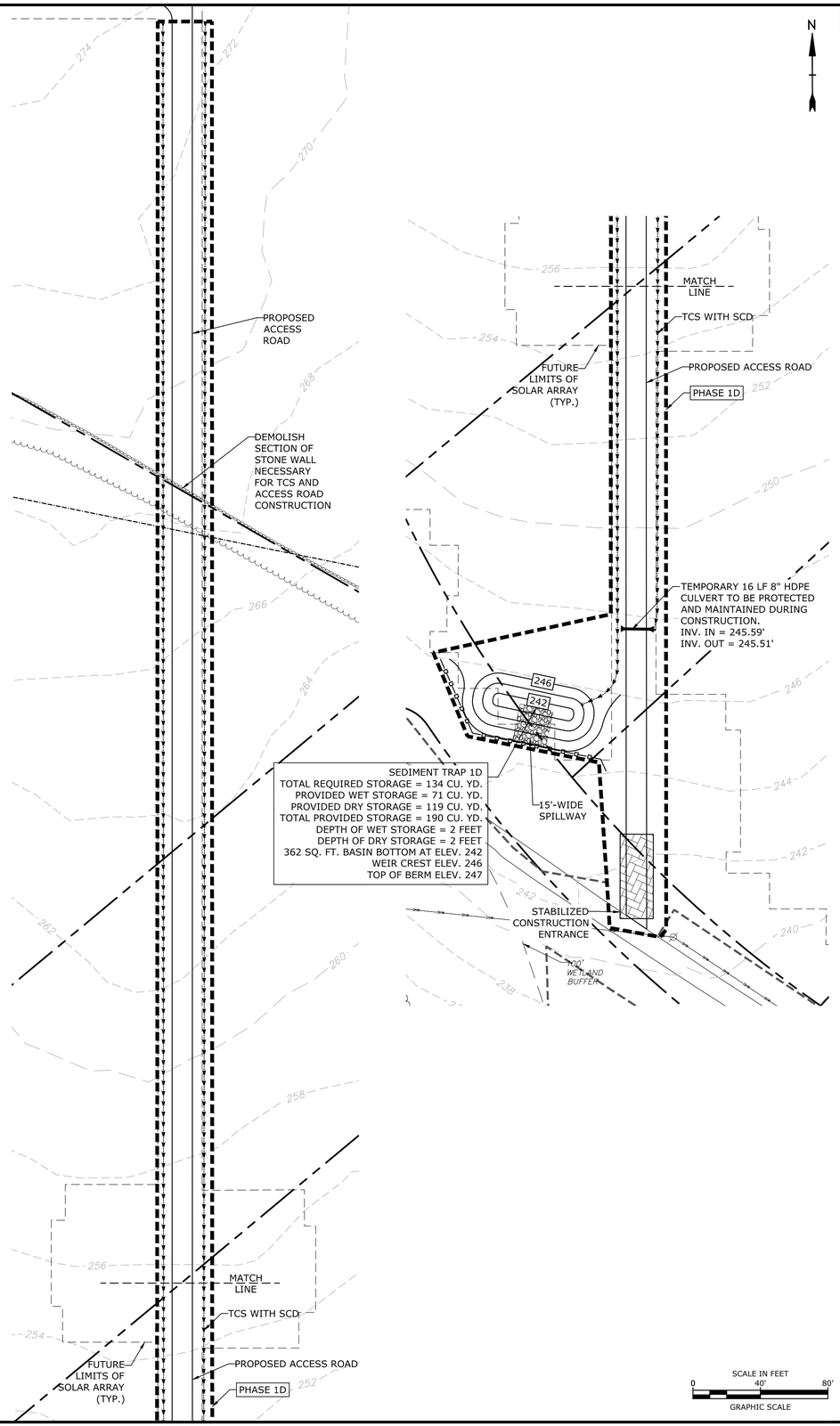
EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE



Tighe&Bond
Engineers | Environmental Specialists

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

4/30/20

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Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE

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0 1 INCH
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MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 1D

SCALE: 1" = 40'

SESC-6

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 4:06pm By: AGilchrist
Tighe & Bond: C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

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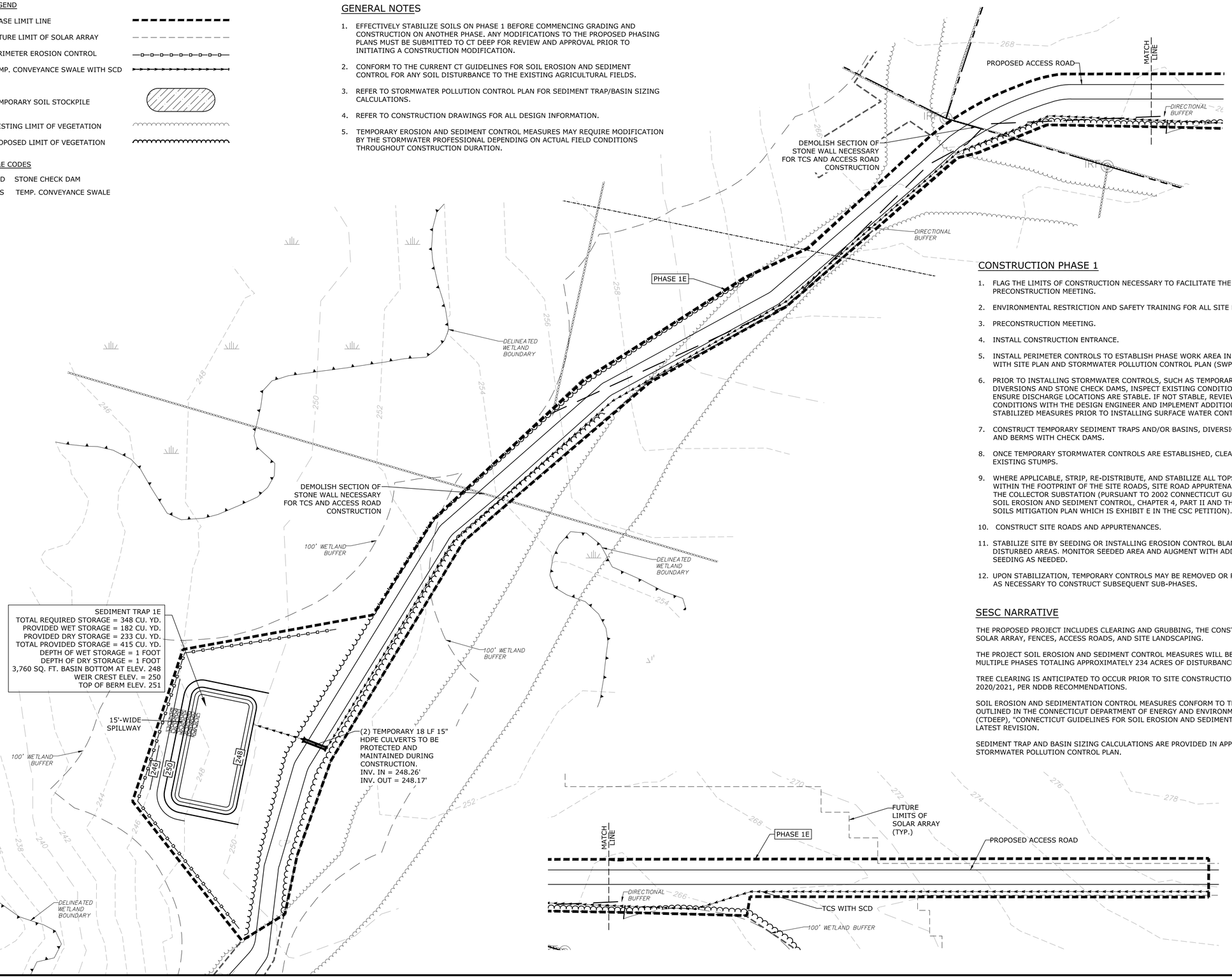
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SESC NARRATIVE

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SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

N

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BRIAN S. HUNTLEY
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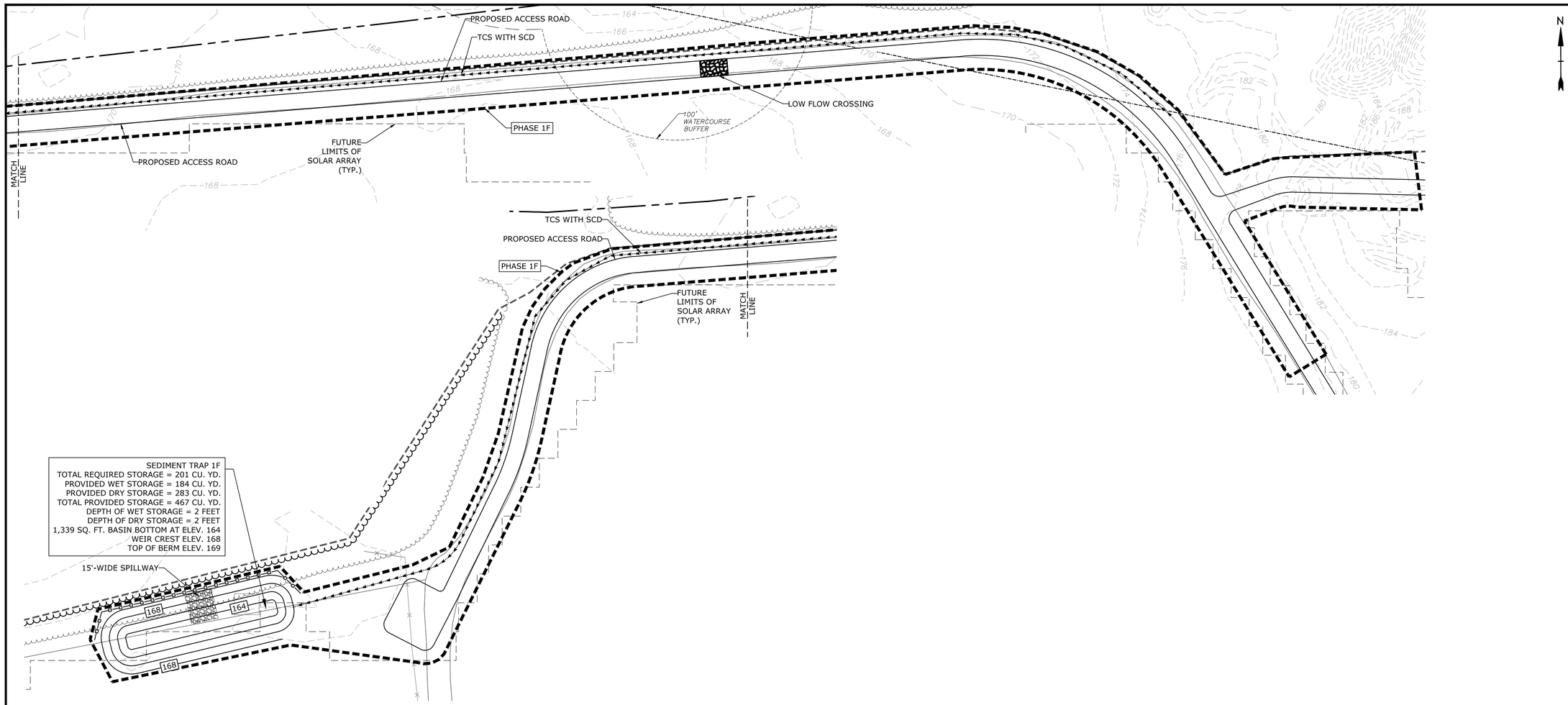
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SOIL EROSION AND SEDIMENT CONTROL PLAN - 1E

SCALE: 1" = 40'

SESC-7

Last Saved: 4/28/2020
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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
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S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

NOTE: SEDIMENT TRAP 1F IS THE SAME AS SEDIMENT TRAP 3S.

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Quinebaug Solar, LLC

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PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 1F

SCALE: 1" = 40'

SESC-8

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 1:12pm By: AGilchrist
Tighe & Bond: C:\Users\AGilchrist\Documents\AutoCAD Sheets\SESC Plans_6.dwg

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LEGEND

PHASE LIMIT LINE

FUTURE LIMIT OF SOLAR ARRAY

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TEMP. CONVEYANCE SWALE WITH SCD

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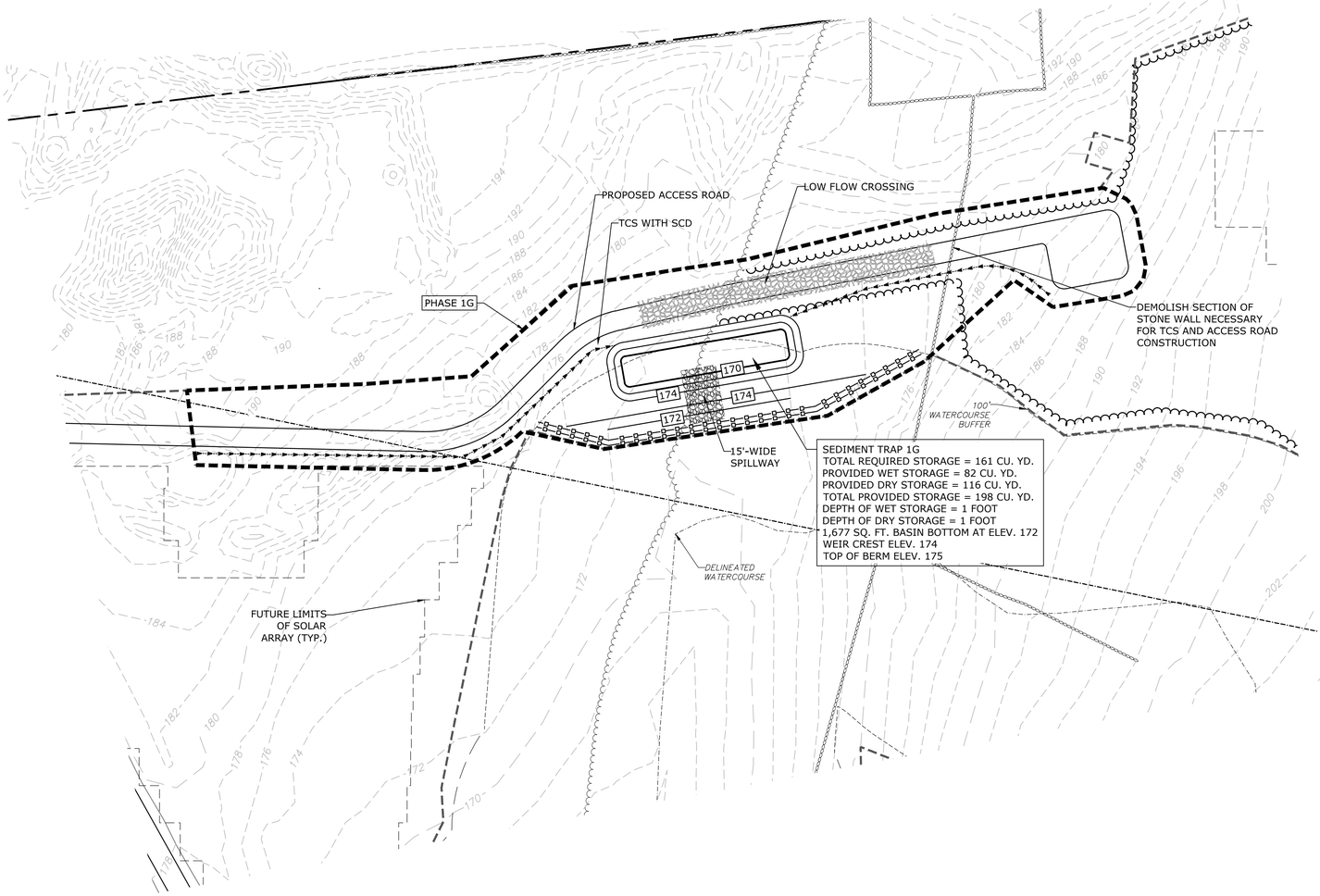
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SOIL EROSION AND SEDIMENT CONTROL PLAN - 1G

SCALE: 1" = 40'

SESC-9

Last Saved: 4/28/2020
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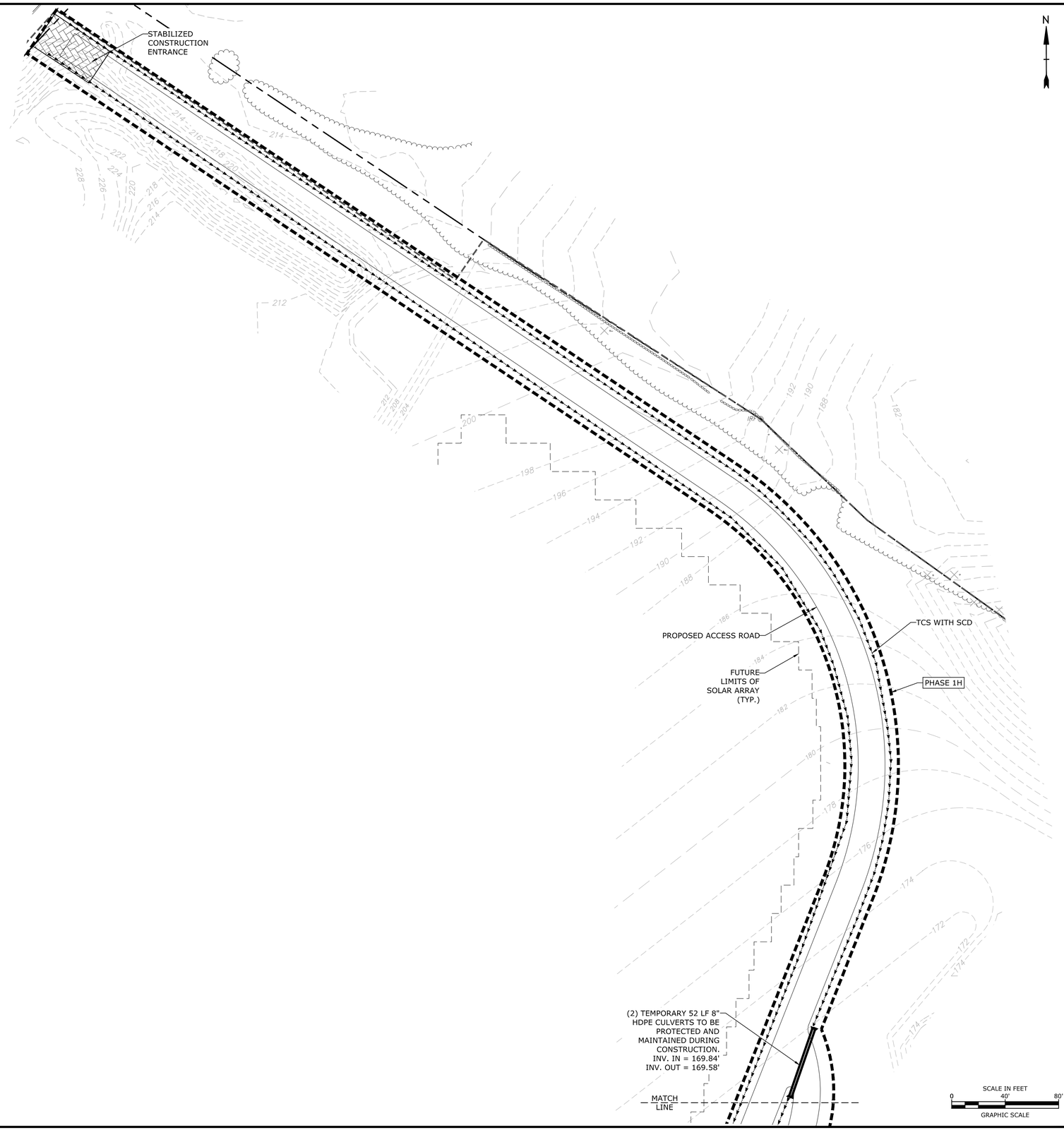
LEGEND

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SOIL EROSION AND SEDIMENT CONTROL PLAN - 1HA

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SESC-10

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SEDIMENT TRAP AND BASIN 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.
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4. REFER TO CONSTRUCTION DRAWINGS FOR ALL DESIGN INFORMATION.
5. 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. ENVIRONMENTAL RESTRICTION AND SAFETY TRAINING FOR ALL SITE PERSONNEL.
3. PRECONSTRUCTION MEETING.
4. INSTALL CONSTRUCTION ENTRANCE.
5. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND STORMWATER POLLUTION CONTROL PLAN (SWPCP).
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LEGEND

PHASE LIMIT LINE

FUTURE LIMIT OF SOLAR ARRAY

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

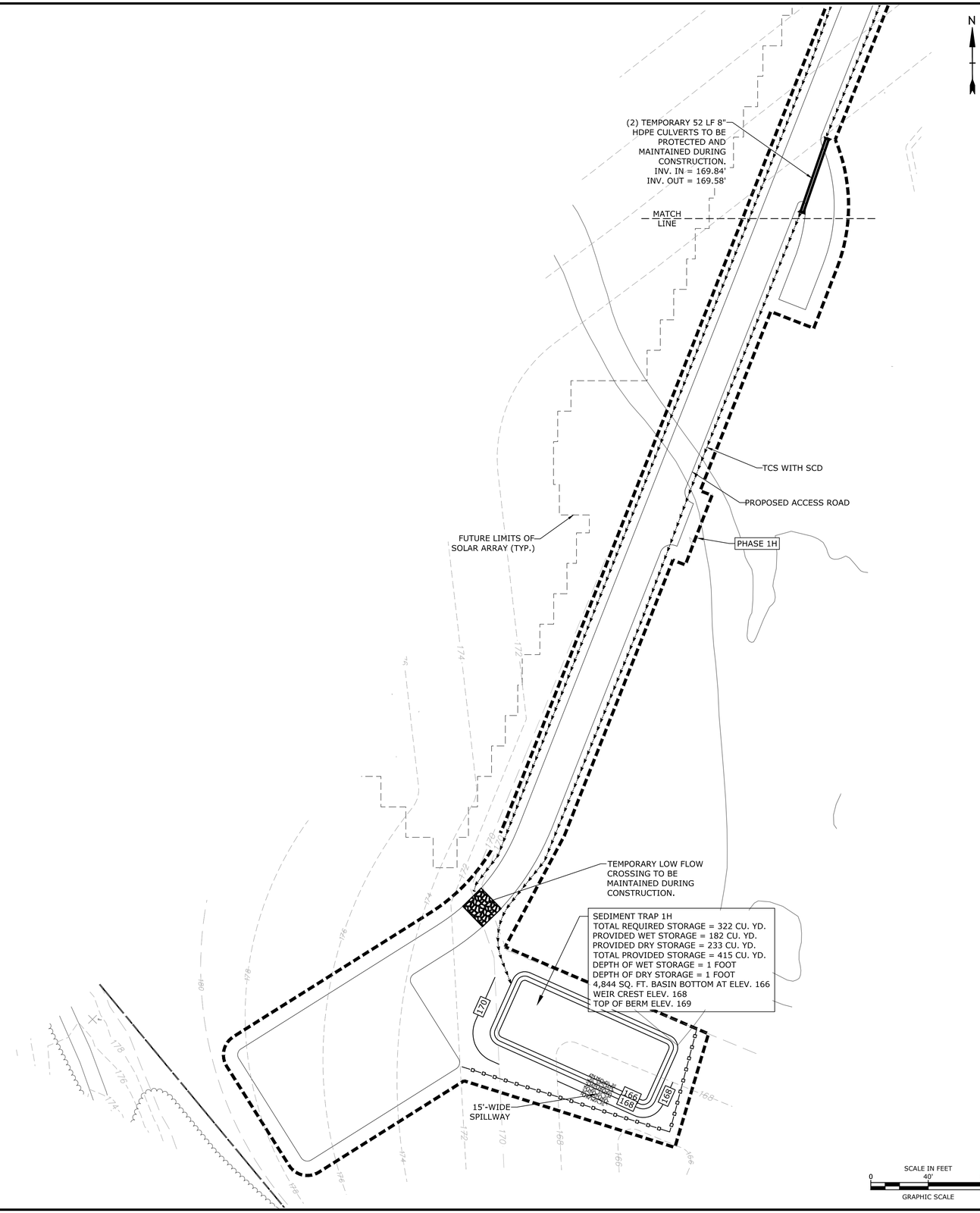
EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE



Tighe&Bond
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

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APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 1HB

SCALE: 1" = 40'

SESC-11

Last Saved: 4/28/2020
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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

SESC NARRATIVE

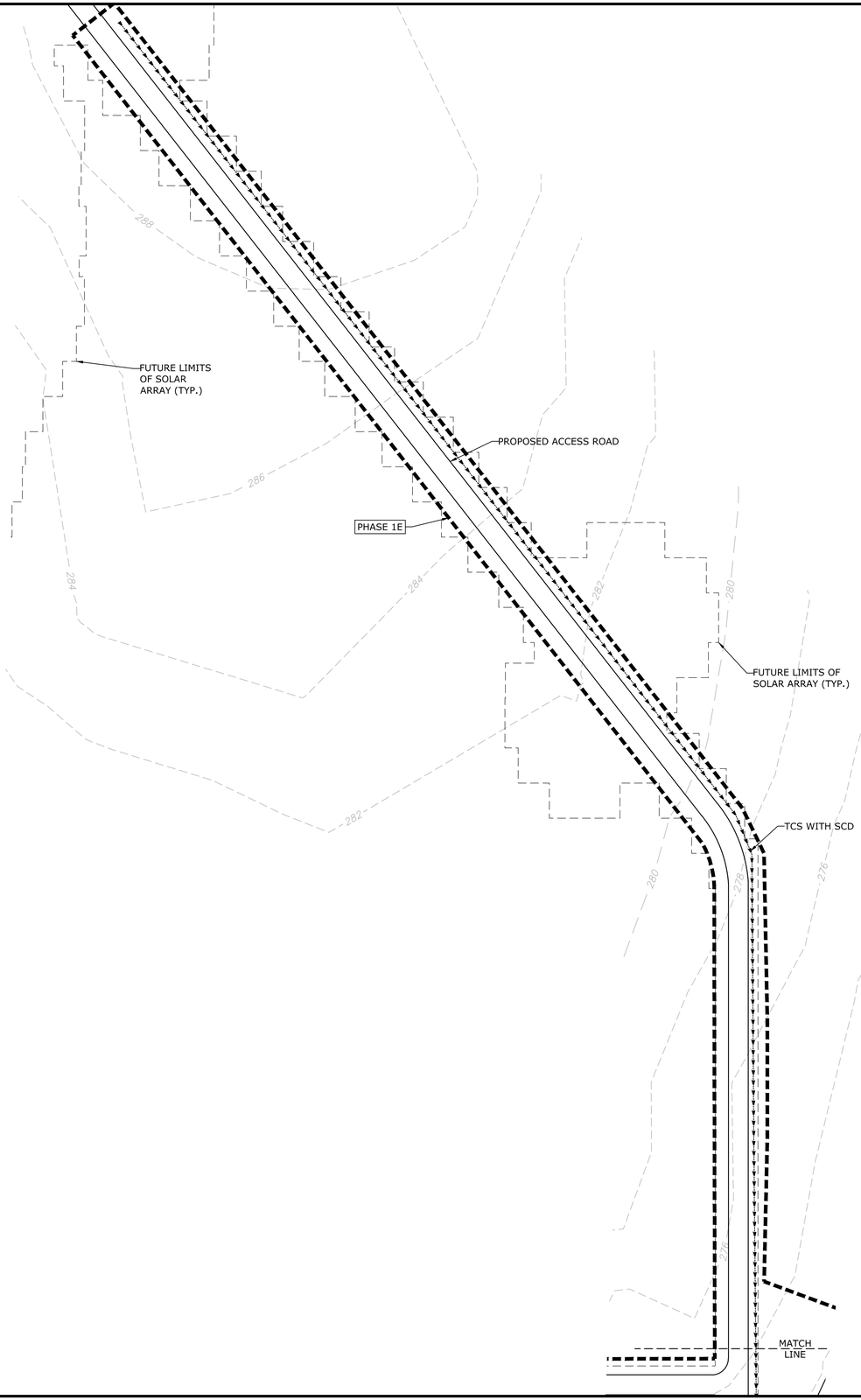
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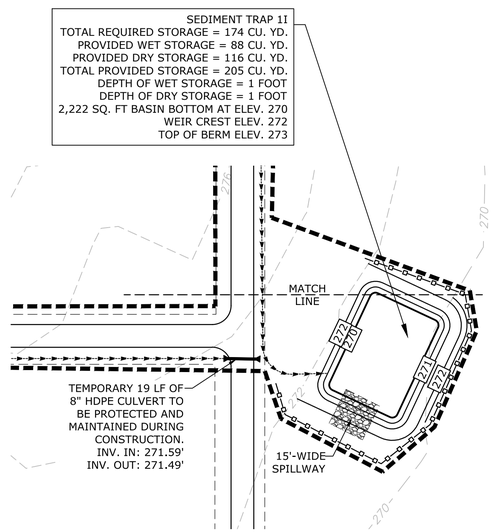
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SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

N

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Engineers | Environmental Specialists

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BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 1I

SCALE: 1" = 40'

SESC-12

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 4:24pm By: AGlichrist
Tighe & Bond: C:\Users\AGlichrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

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S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

SESC NARRATIVE

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

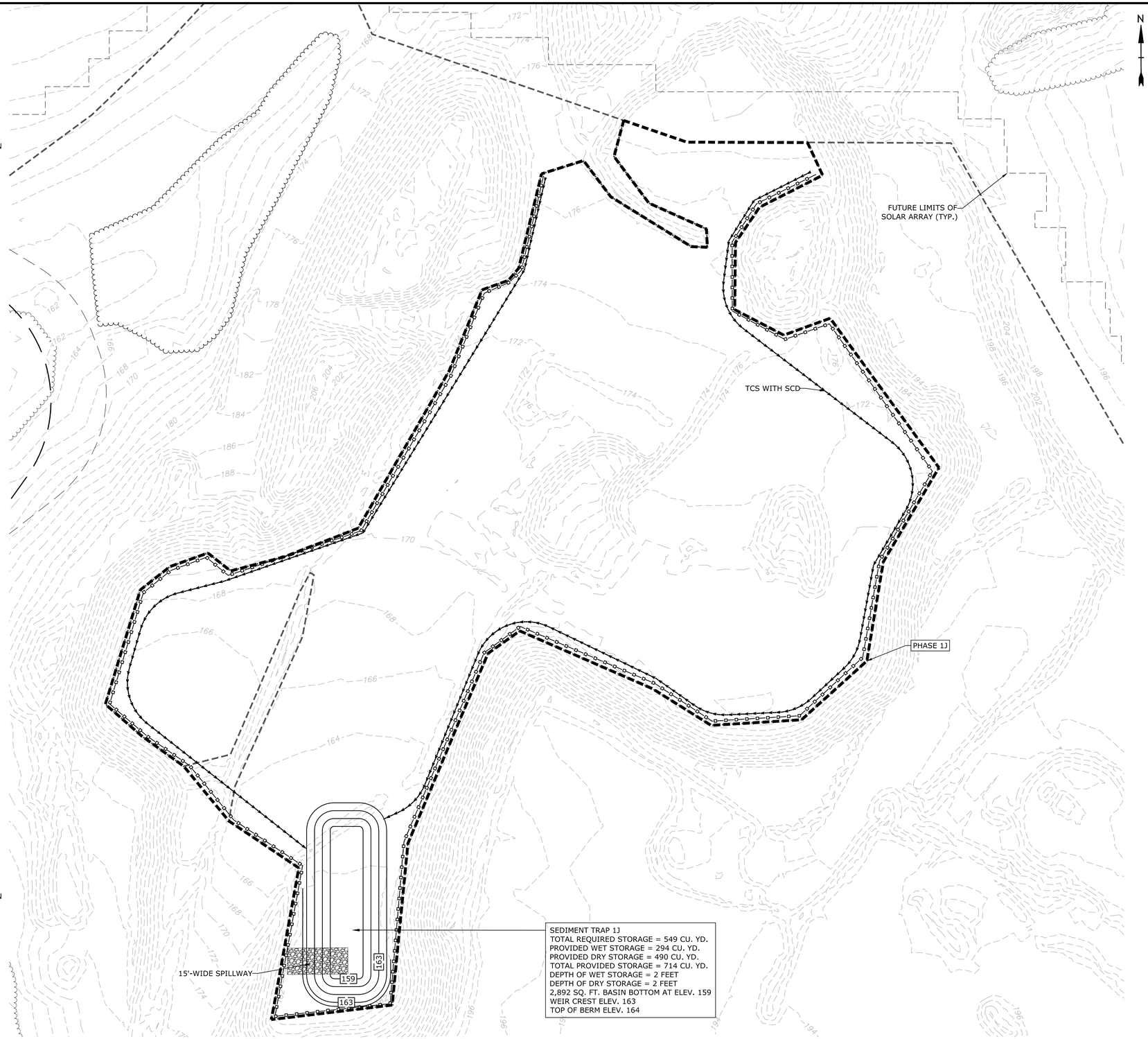
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NOTE: THE AREA WITHIN PHASE 1J WILL BE USED FOR STAGING.



Tighe&Bond
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

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PROJECT NO:	R0317
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CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 1J

SCALE: 1" = 40'

SESC-13

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 4:28pm By: Aglichrist
Tighe & Bond C:\Users\AGlichrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

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S&E CODES

SCD STONE CHECK DAM

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SESC NARRATIVE

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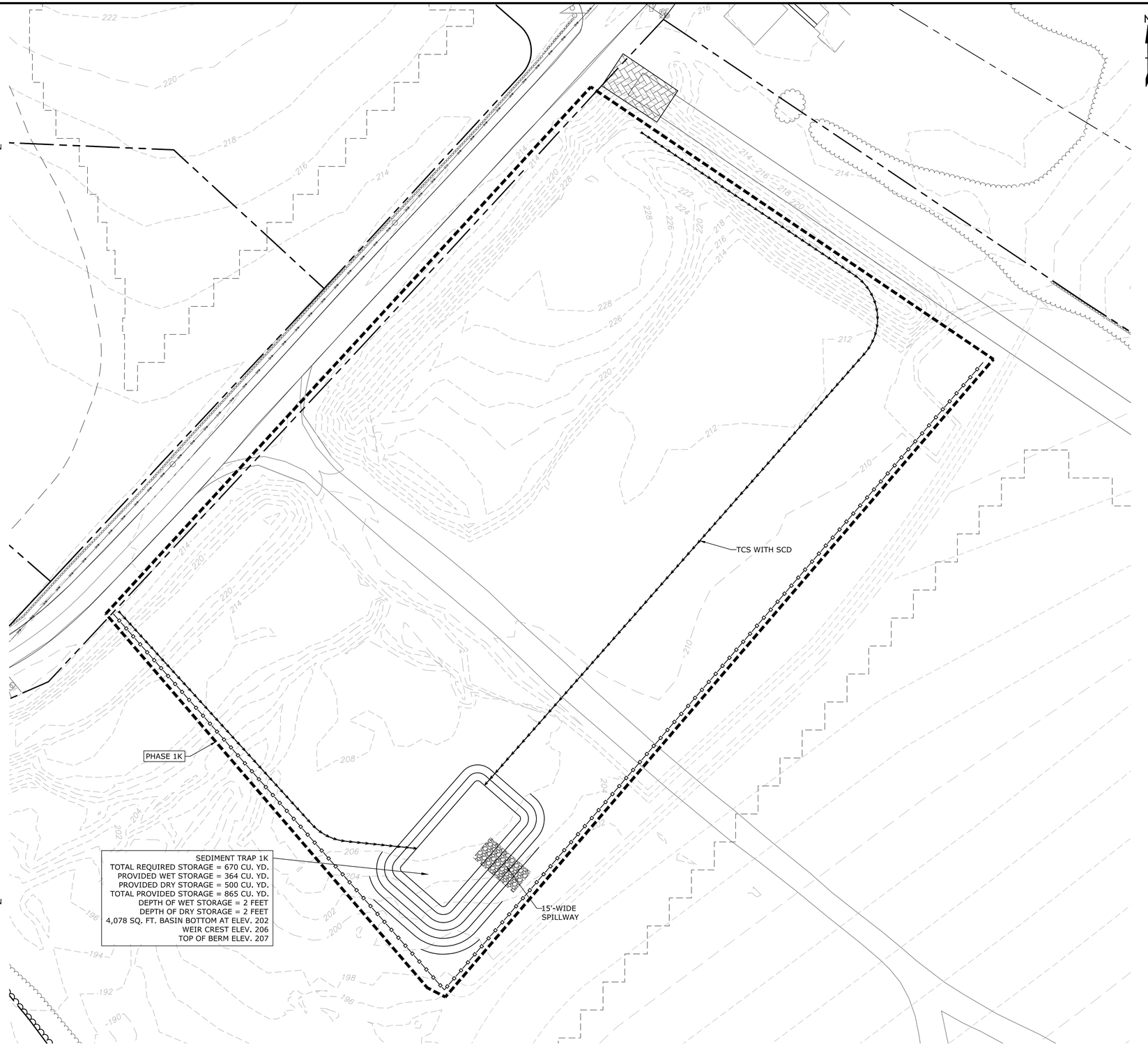
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SOIL EROSION AND SEDIMENT CONTROL PLAN - 1K

SCALE: 1" = 40'

SESC-14

Last Saved: 4/28/2020
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SOIL EROSION AND SEDIMENT CONTROL PLAN - PHASE 2 OVERALL

SCALE: 1" = 350'

SESC-15

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 4:38pm By: AGilchrist
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SESC NARRATIVE

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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 PLANS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS, SUCH AS TEMPORARY DIVERSION AND 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 STABILIZED MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS, DIVERSION SWALES AND BERMS WITH CHECK DAMS.
5. ONCE TEMPORARY STORMWATER CONTROLS ARE ESTABLISHED, GRUB EXISTING STUMPS FROM PREVIOUSLY CLEARED TREES.
6. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL GROUND-DISTURBED AREAS. MONITOR HYDROSEEDED AREA AND AUGMENT WITH ADDITIONAL SEEDING AS NEEDED.
7. CHECK AND REPAIR TEMPORARY CONTROLS AS NEEDED. TEMPORARY CONTROLS TO REMAIN IN PLACE THROUGH PHASE 4 CONSTRUCTION.

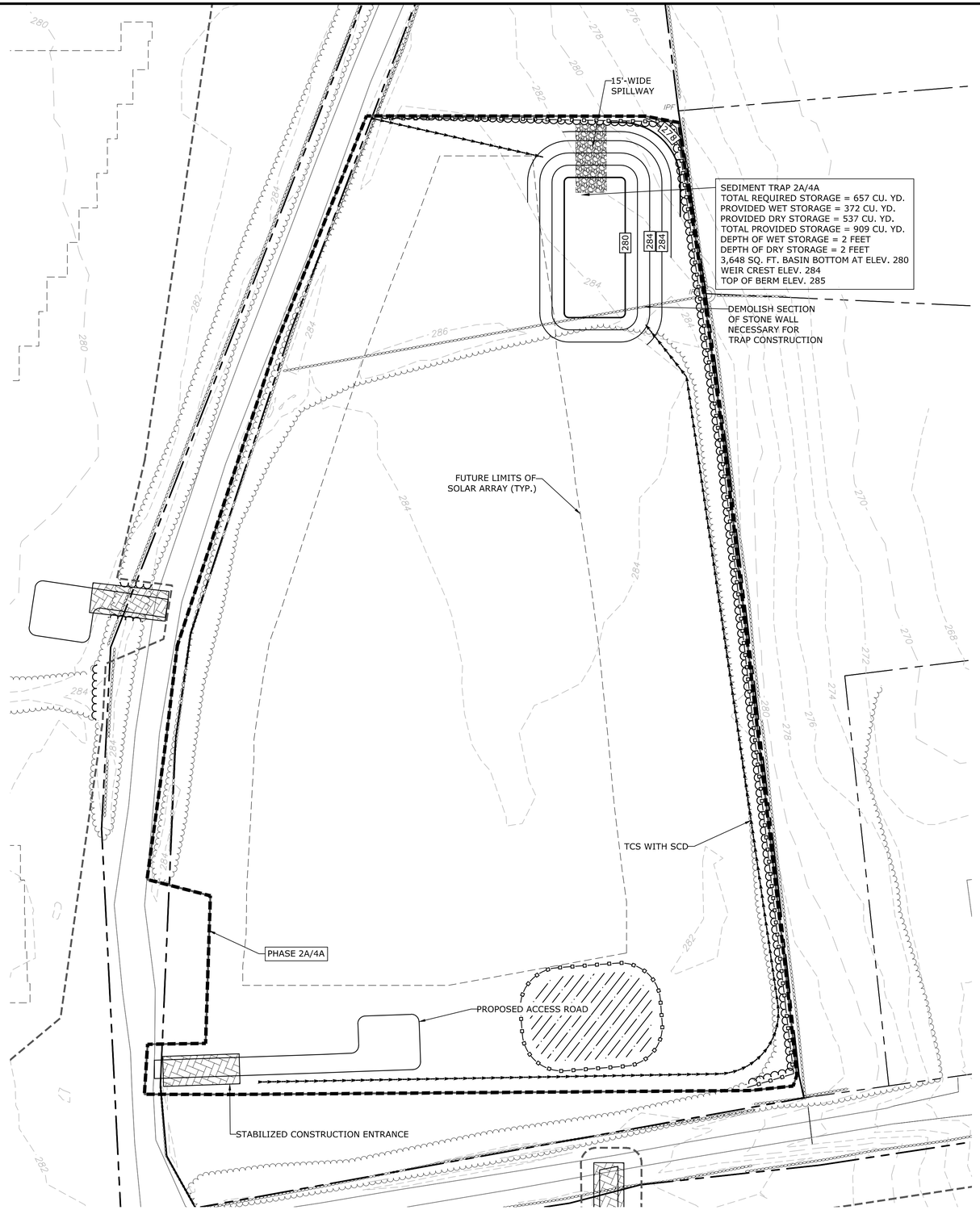
LEGEND

- 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



Tighe&Bond
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

PERMIT SET NOT FOR CONSTRUCTION

Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
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MARK	DATE	DESCRIPTION

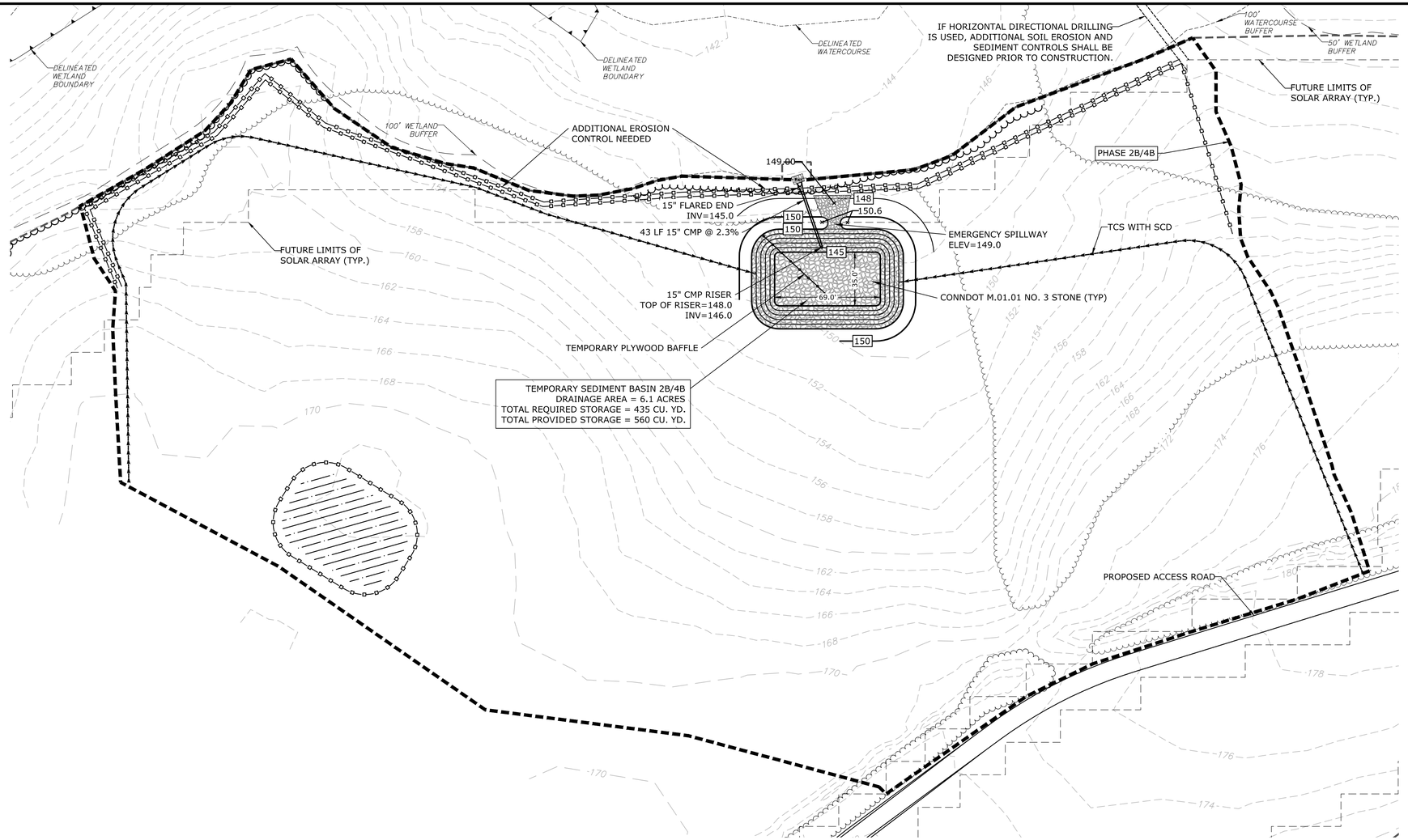
PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2A

SCALE: 1" = 40'

SESC-16

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 4:41pm By: AGilchrist
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N

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 234 ACRES OF DISTURBANCE.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2020/2021, PER NDDB RECOMMENDATIONS.

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 AND BASIN 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 DESIGN INFORMATION.
5. 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 PLANS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS, SUCH AS TEMPORARY DIVERSION AND 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 STABILIZED MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS, DIVERSION SWALES AND BERMS WITH CHECK DAMS.
5. ONCE TEMPORARY STORMWATER CONTROLS ARE ESTABLISHED, GRUB EXISTING STUMPS FROM PREVIOUSLY CLEARED TREES.
6. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL GROUND-DISTURBED AREAS. MONITOR HYDROSEEDED AREA AND AUGMENT WITH ADDITIONAL SEEDING AS NEEDED.
7. CHECK AND REPAIR TEMPORARY CONTROLS AS NEEDED. 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
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

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PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2B

SCALE: 1" = 40'

SESC-17

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 4:43pm By: AGilchrist
Tighe & Bond: C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

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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GENERAL NOTES

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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 PLANS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS, SUCH AS TEMPORARY DIVERSION AND 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 STABILIZED MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
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7. CHECK AND REPAIR TEMPORARY CONTROLS AS NEEDED. TEMPORARY CONTROLS TO REMAIN IN PLACE THROUGH PHASE 4 CONSTRUCTION.

NOTE: SEDIMENT TRAP 1B IS THE SAME AS SEDIMENT TRAP 2C.

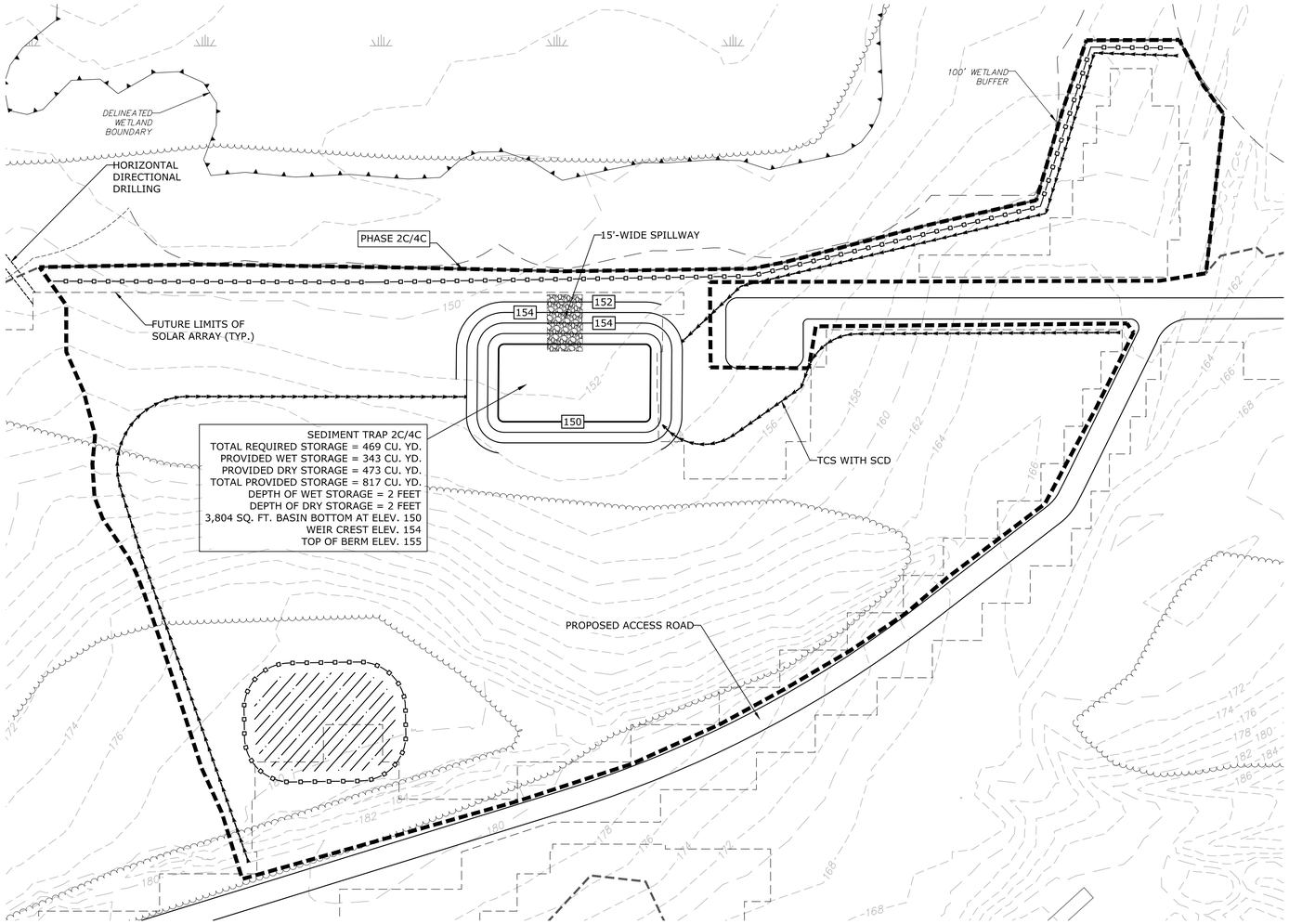
LEGEND

- PHASE LIMIT LINE
- FUTURE LIMIT OF SOLAR ARRAY
- PERIMETER EROSION CONTROL
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S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE



Tighe&Bond
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STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

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PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2C

SCALE: 1" = 40'

SESC-18

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 4:45pm By: AGilchrist
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SESC NARRATIVE

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CONSTRUCTION PHASE 2

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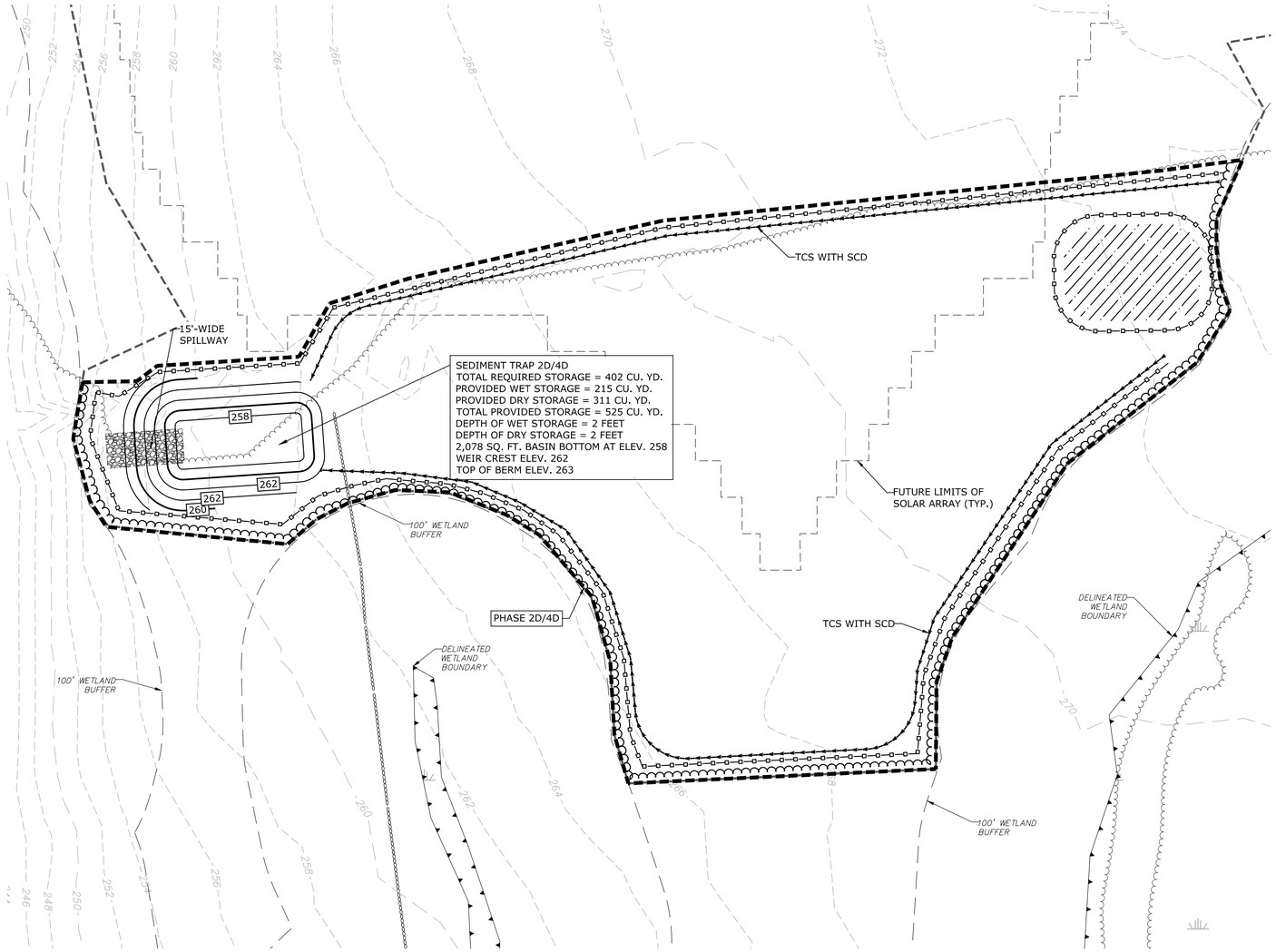
LEGEND

- 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



SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

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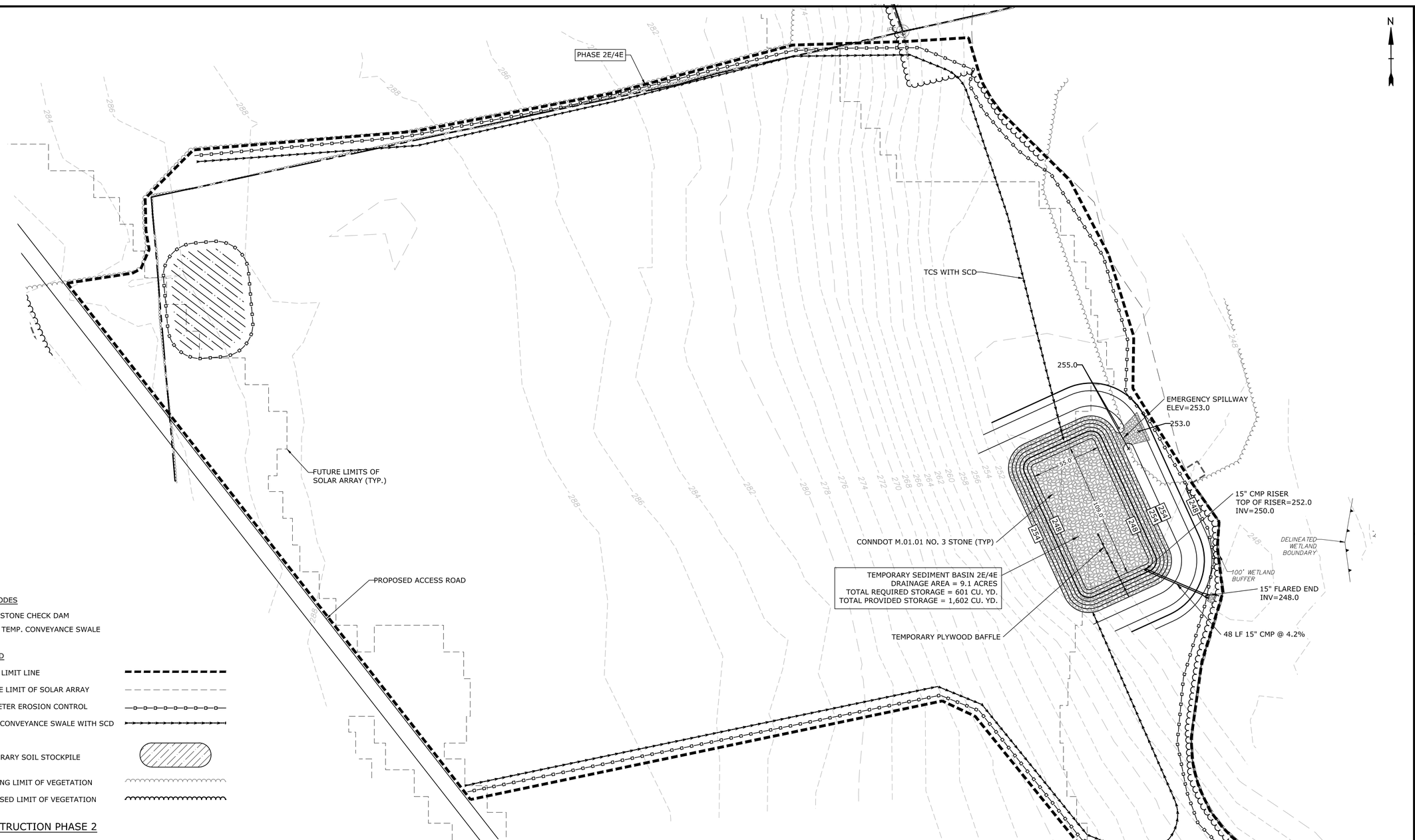
PROJECT NO:	R0317
DATE:	04/2020
FILE:	SESC Plans_6.dwg
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2D

SCALE: 1" = 40'

SESC-19

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 4:48pm By: AGilchrist
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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

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GENERAL NOTES

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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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SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

PERMIT SET NOT FOR CONSTRUCTION

Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
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MARK	DATE	DESCRIPTION

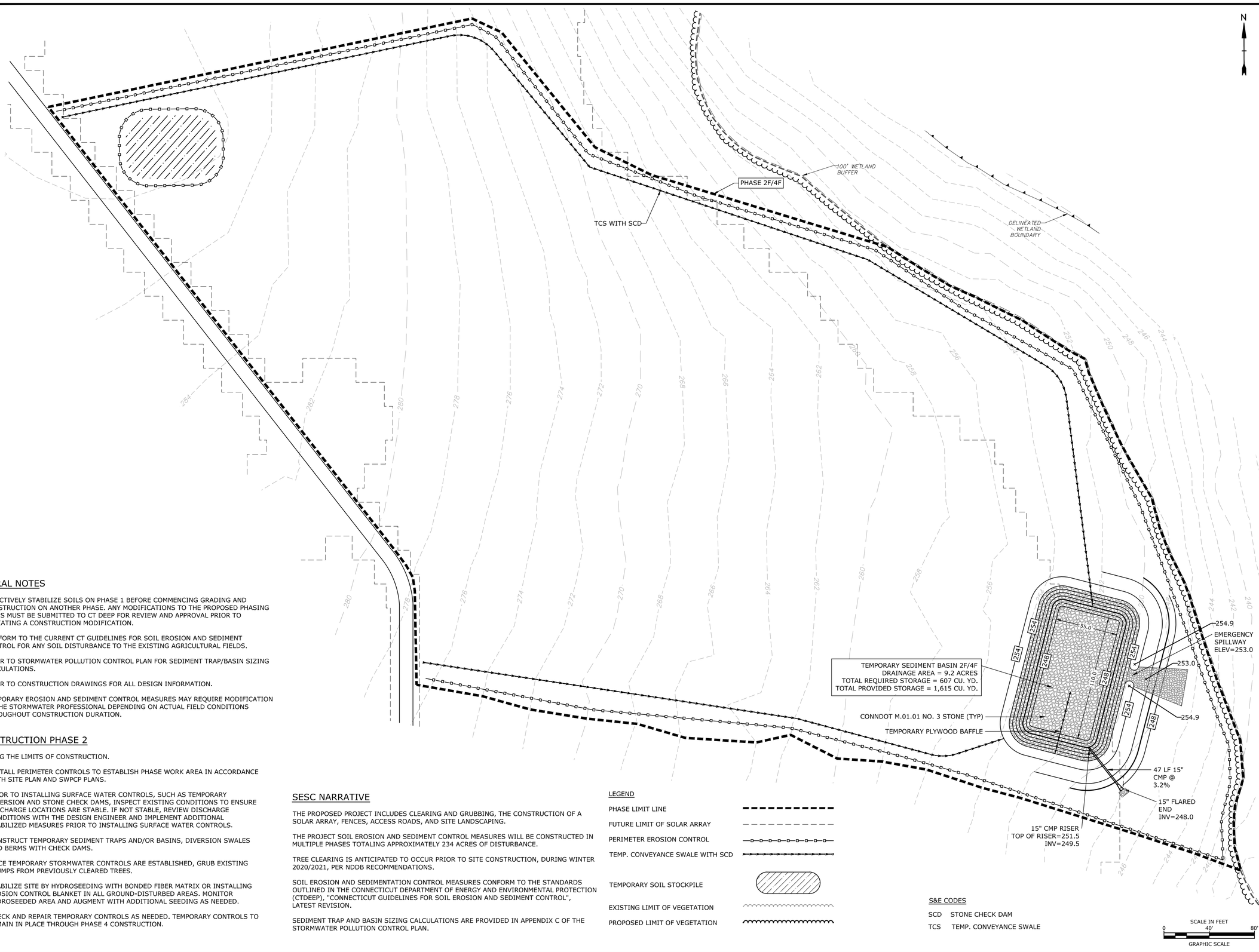
PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2E

SCALE: 1" = 40'

SESC-20

Last Saved: 4/29/2020
Plotted On: Apr 29, 2020-10:12am By: AGilchrist
Tighe & Bond: C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg



GENERAL NOTES

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SESC NARRATIVE

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FILE:	SESC Plans_6.dwg
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2F

SCALE: 1" = 40'

SESC-21

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 4:54pm By: AGilchrist
Tighe & Bond: C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

SESC NARRATIVE

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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 DESIGN INFORMATION.
5. 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 PLANS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS, SUCH AS TEMPORARY DIVERSION AND 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 STABILIZED MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS, DIVERSION SWALES AND BERMS WITH CHECK DAMS.
5. ONCE TEMPORARY STORMWATER CONTROLS ARE ESTABLISHED, GRUB EXISTING STUMPS FROM PREVIOUSLY CLEARED TREES.
6. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL GROUND-DISTURBED AREAS. MONITOR HYDROSEEDED AREA AND AUGMENT WITH ADDITIONAL SEEDING AS NEEDED.
7. CHECK AND REPAIR TEMPORARY CONTROLS AS NEEDED. TEMPORARY CONTROLS TO REMAIN IN PLACE THROUGH PHASE 4 CONSTRUCTION.

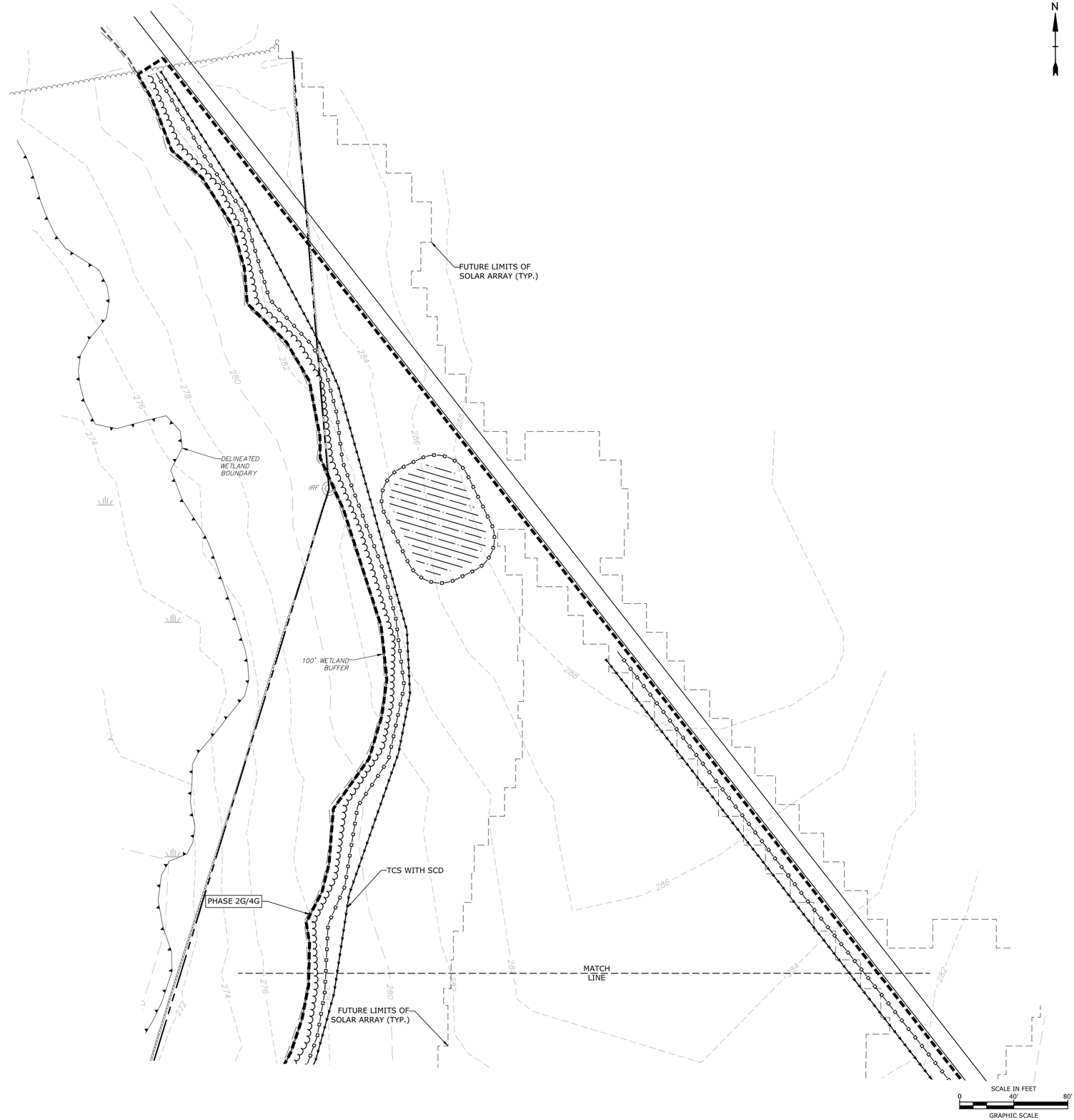
LEGEND

- 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



Tighe&Bond
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

PERMIT SET NOT FOR CONSTRUCTION

Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
BAR IS 1 INCH ON ORIGINAL DRAWING
0 1 INCH
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MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2GA

SCALE: 1" = 40'

SESC-22

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 4:57pm By: AGilchrist
Tighe & Bond: C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

LEGEND

PHASE LIMIT LINE

FUTURE LIMIT OF SOLAR ARRAY

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

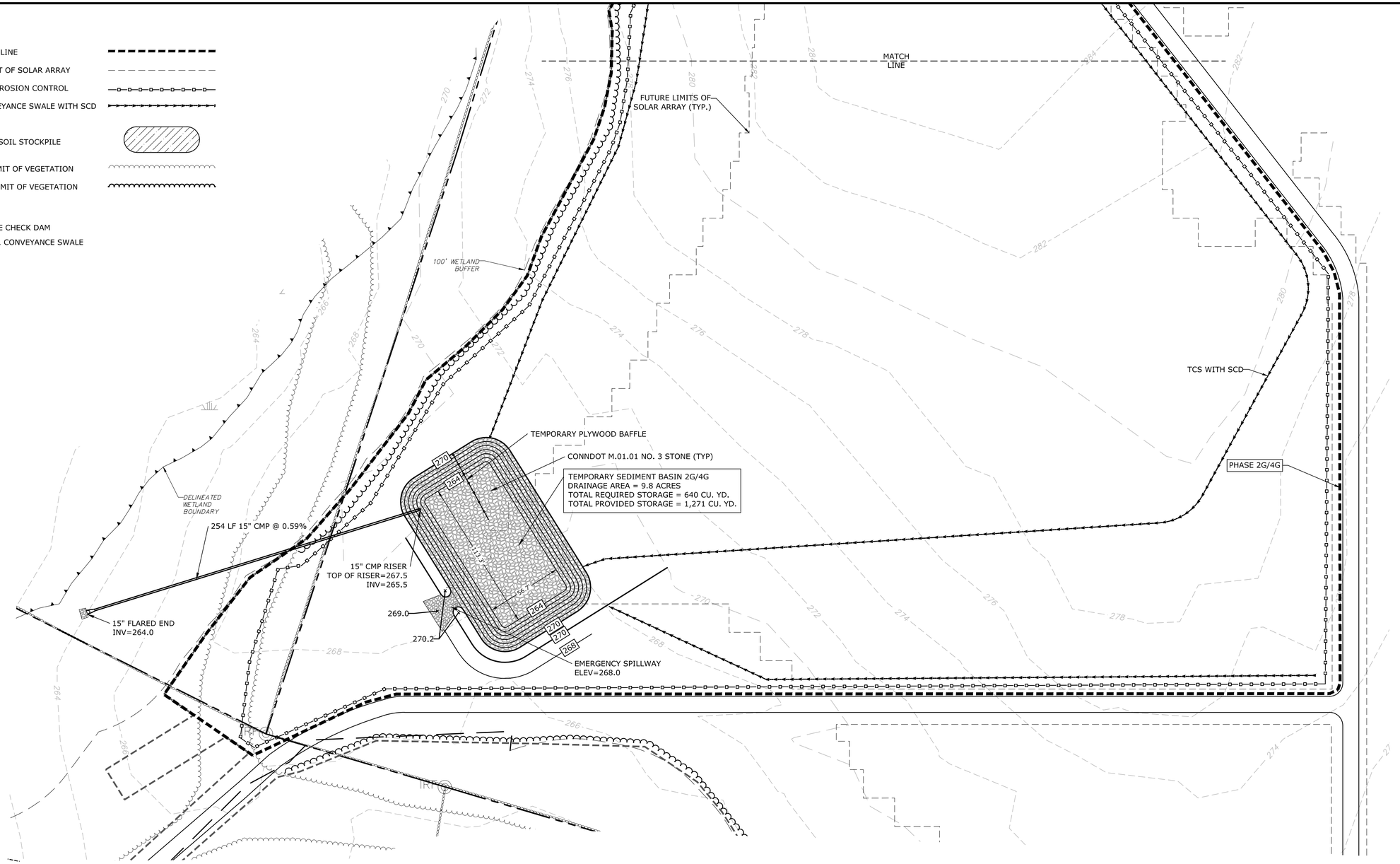
EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE



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 234 ACRES OF DISTURBANCE.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2020/2021, PER NDDB RECOMMENDATIONS.

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

GENERAL NOTES

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SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

PERMIT SET NOT FOR CONSTRUCTION

Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
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MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2GB

SCALE: 1" = 40'

SESC-23

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 5:01pm By: AGilchrist
Tighe & Bond FC:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

SESC NARRATIVE

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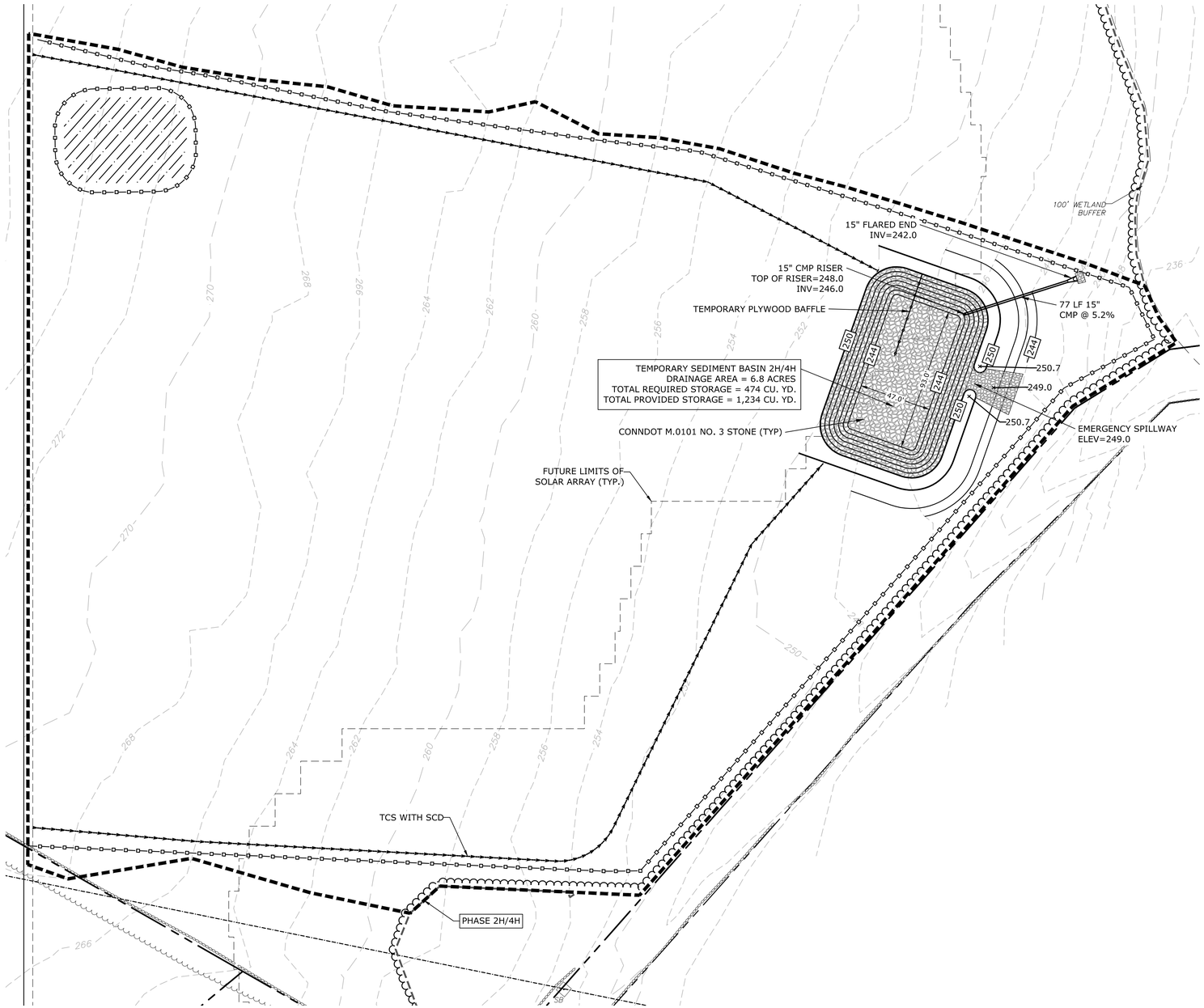
LEGEND

- 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



SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

PERMIT SET NOT FOR CONSTRUCTION

Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
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MARK	DATE	DESCRIPTION

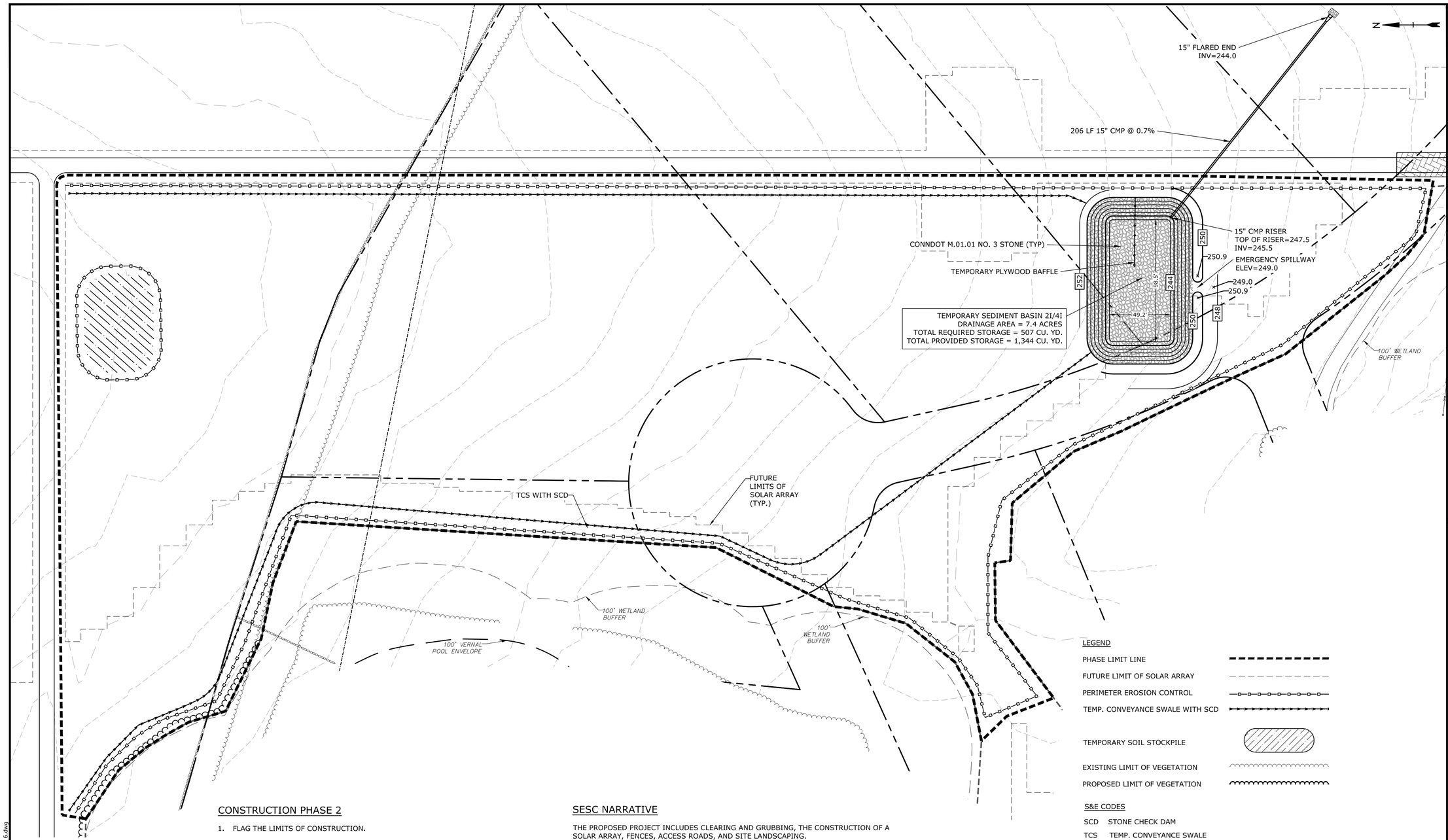
PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2H

SCALE: 1" = 40'

SESC-24

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 5:04pm By: AGilchrist
Tighe & Bond File: C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg



CONSTRUCTION PHASE 2

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SESC NARRATIVE

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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

GENERAL NOTES

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SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

PERMIT SET
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Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
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MARK	DATE	DESCRIPTION

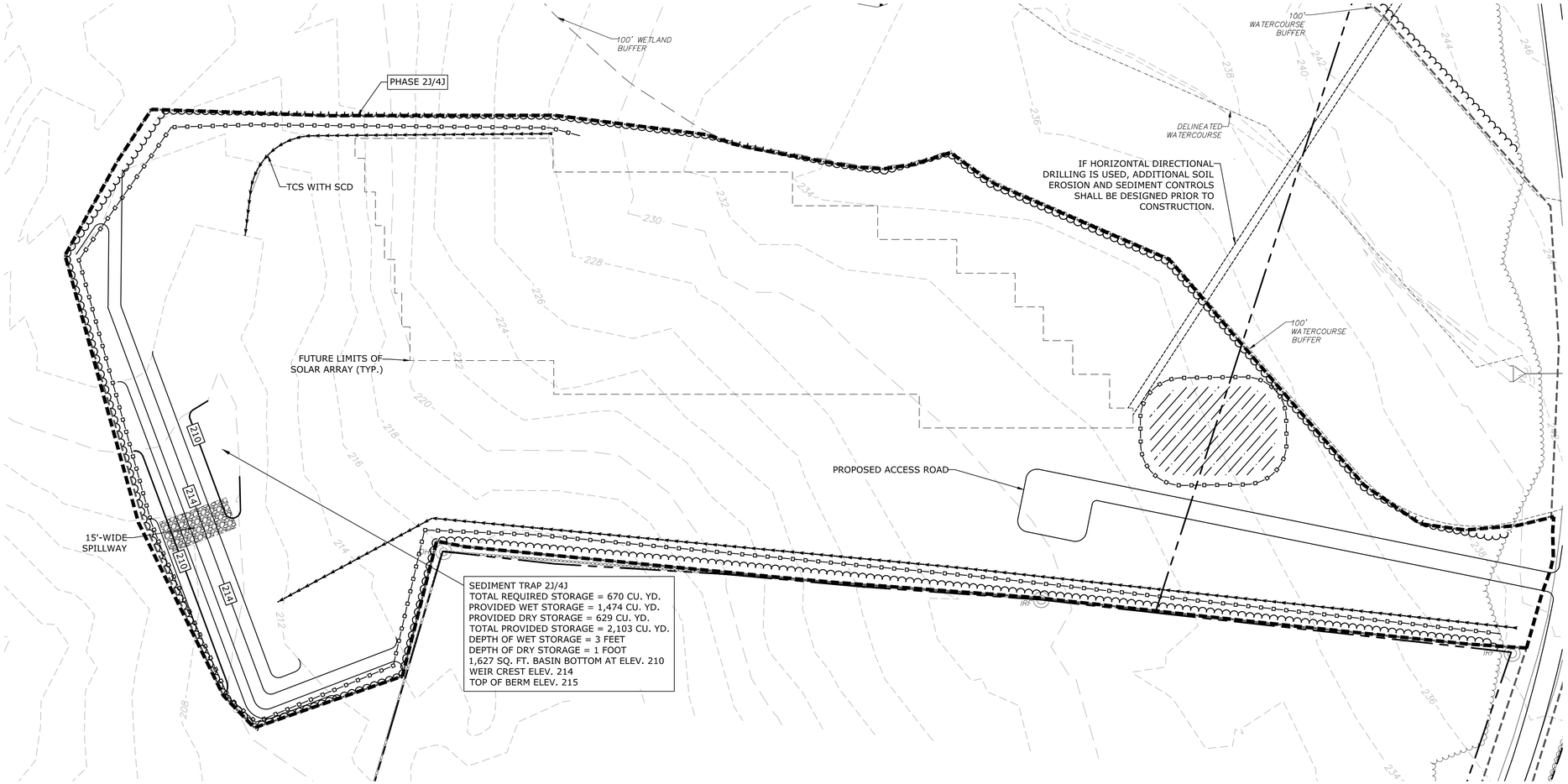
PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2I

SCALE: 1" = 40'

SESC-25

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020-5:08pm By: AGilchrist
Tighe & Bond C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg



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 PLANS.
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SESC NARRATIVE

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S&E CODES

SCD STONE CHECK DAM
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SCALE IN FEET
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GRAPHIC SCALE

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STATE OF CONNECTICUT
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4/30/20

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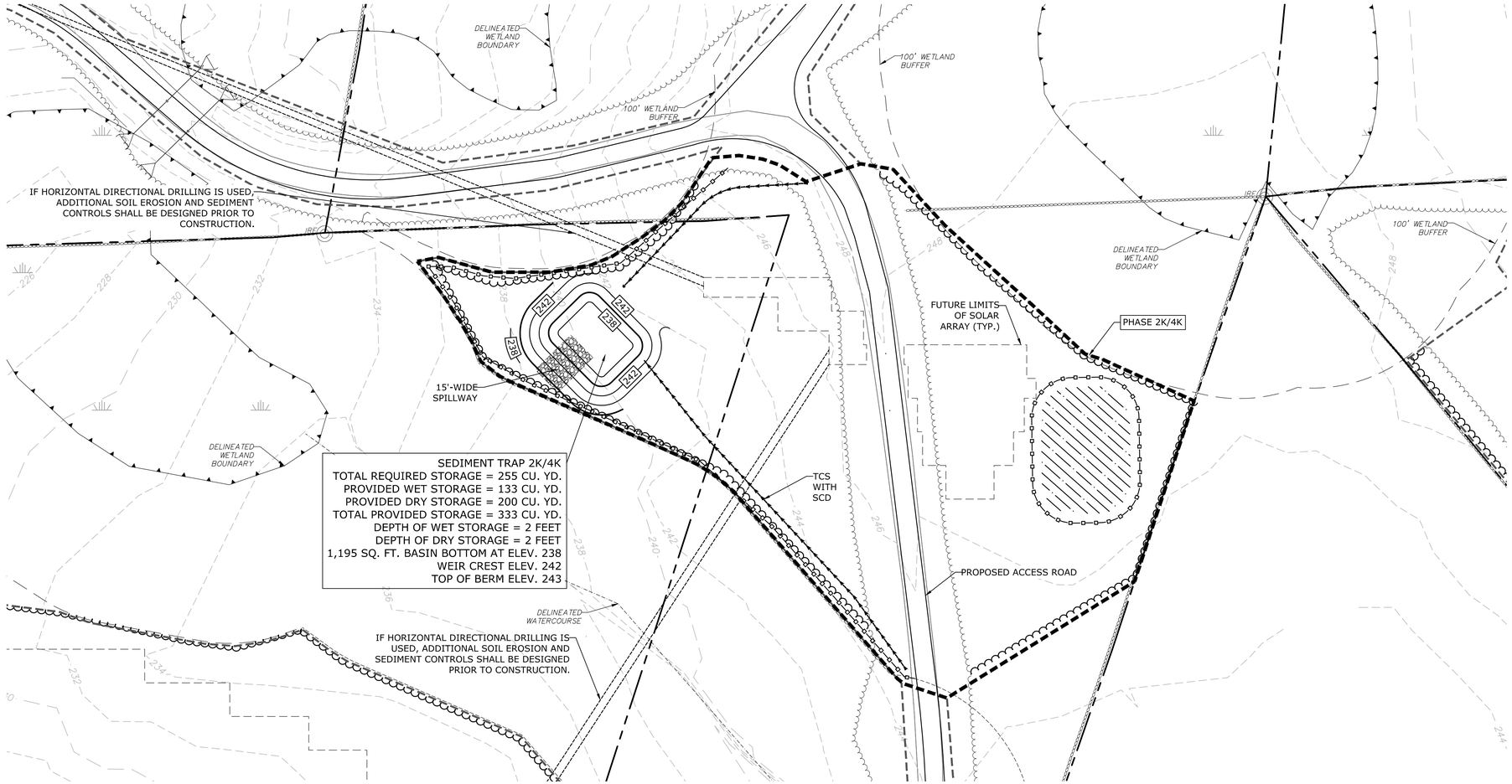
PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2J

SCALE: 1" = 40'

SESC-26

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 5:11pm By: AGilchrist
Tighe & Bond: C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg



CONSTRUCTION PHASE 2

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- 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

N

Tighe&Bond
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

PERMIT SET NOT FOR CONSTRUCTION

Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
BAR IS 1 INCH ON ORIGINAL DRAWING
0 1 INCH
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2K

SCALE: 1" = 40'

SESC-27

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 5:13pm By: AGilchrist
Tighe & Bond C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

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 234 ACRES OF DISTURBANCE.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2020/2021, PER NDDB RECOMMENDATIONS.

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 AND BASIN 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 DESIGN INFORMATION.
5. 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 PLANS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS, SUCH AS TEMPORARY DIVERSION AND 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 STABILIZED MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS, DIVERSION SWALES AND BERMS WITH CHECK DAMS.
5. ONCE TEMPORARY STORMWATER CONTROLS ARE ESTABLISHED, GRUB EXISTING STUMPS FROM PREVIOUSLY CLEARED TREES.
6. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL GROUND-DISTURBED AREAS. MONITOR HYDROSEEDED AREA AND AUGMENT WITH ADDITIONAL SEEDING AS NEEDED.
7. CHECK AND REPAIR TEMPORARY CONTROLS AS NEEDED. TEMPORARY CONTROLS TO REMAIN IN PLACE THROUGH PHASE 4 CONSTRUCTION.

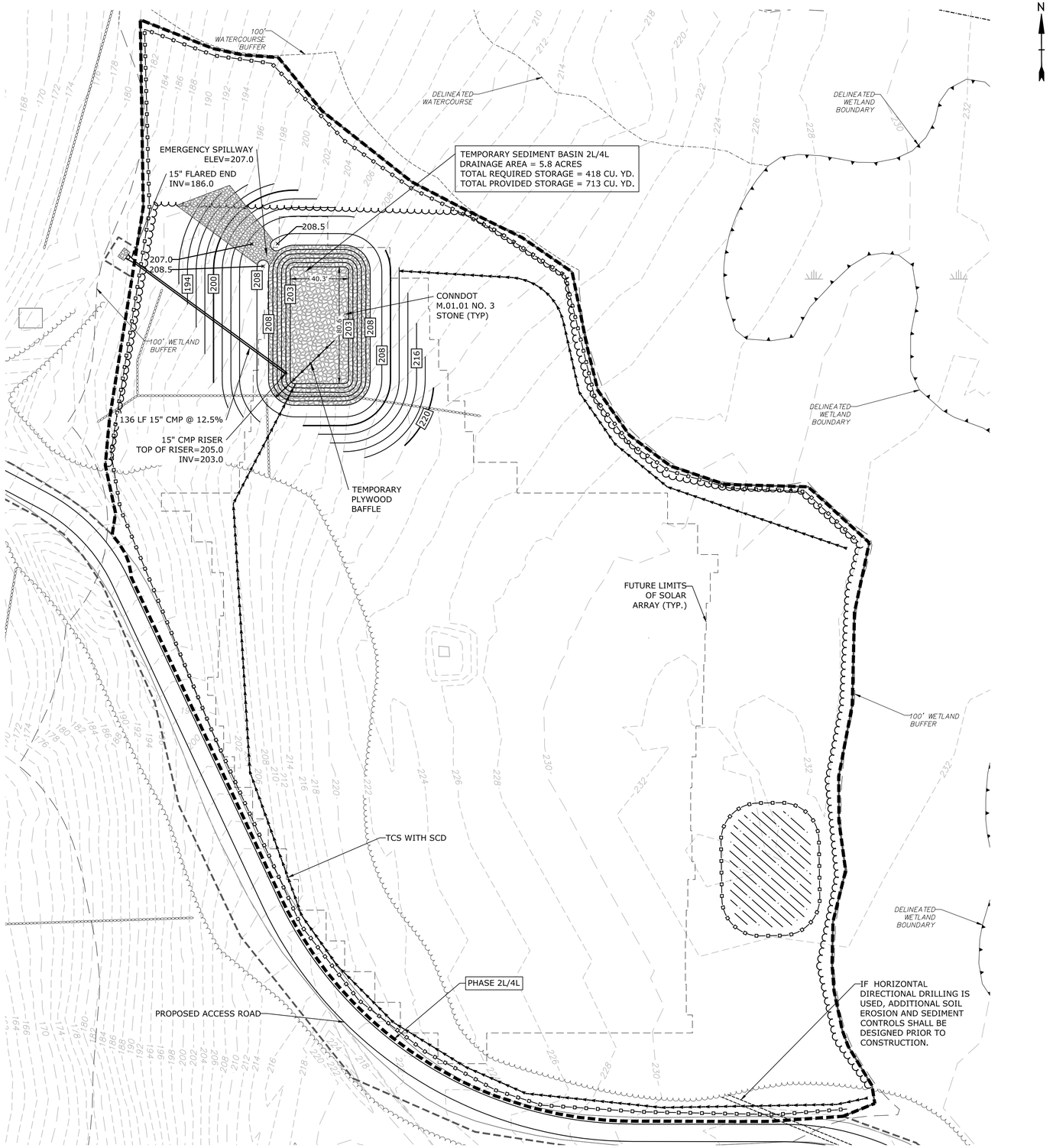
LEGEND

- 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



Last Saved: 4/28/2020
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STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

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MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2L

SCALE: 1" = 40'

SESC-28

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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GENERAL NOTES

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1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP PLANS.
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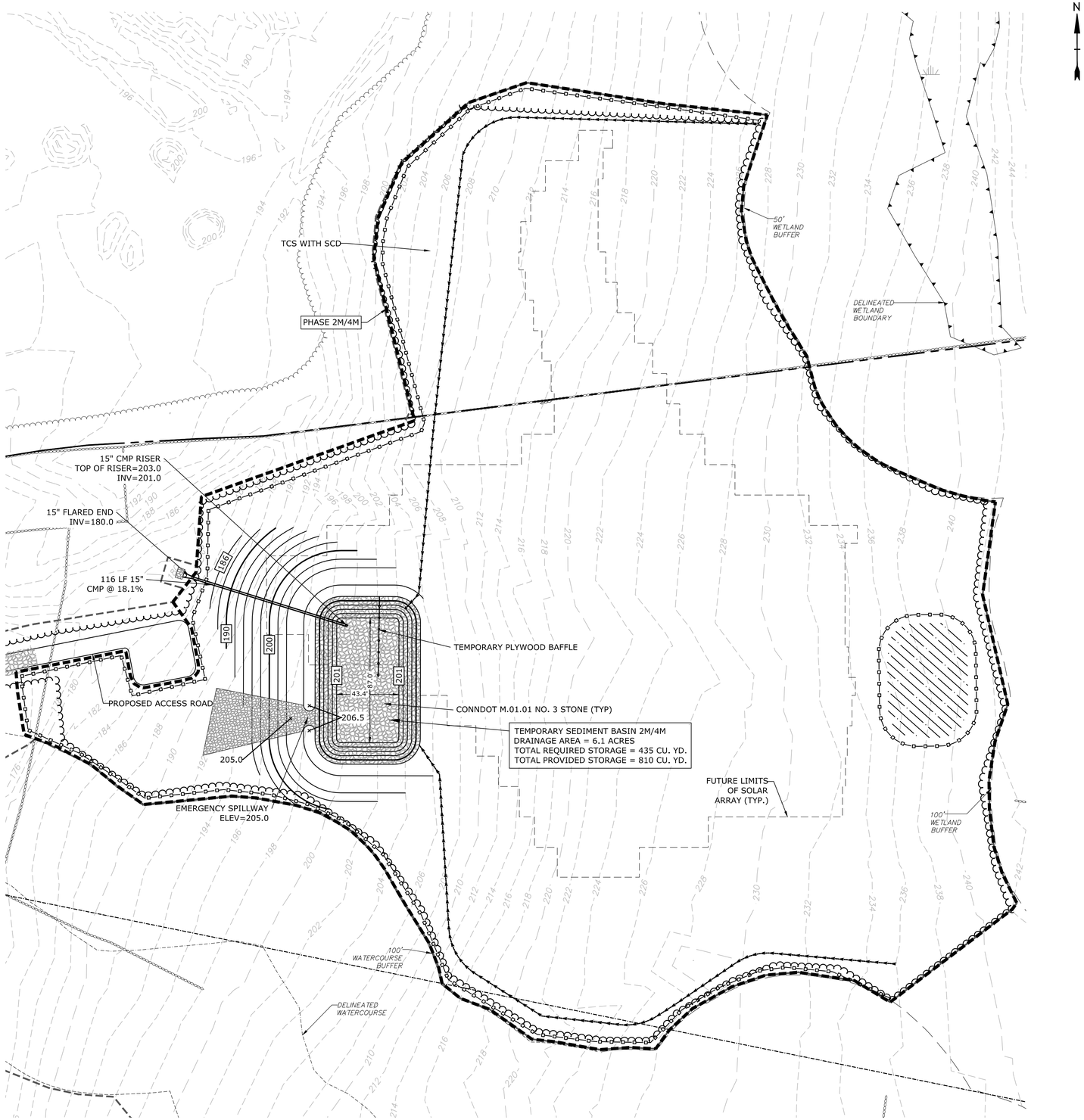
LEGEND

- 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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Brooklyn & Canterbury, Connecticut

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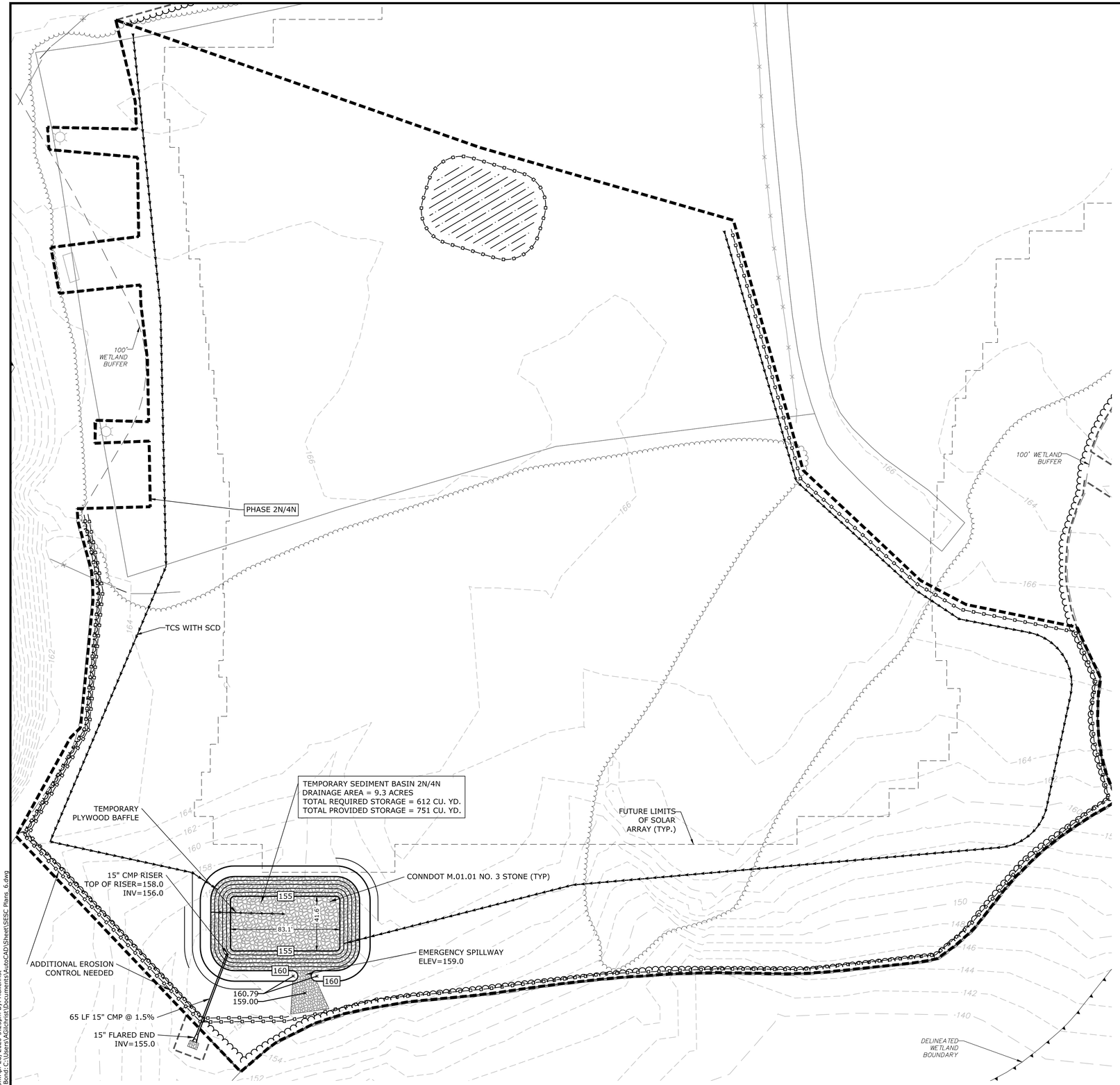
PROJECT NO:	R0317
DATE:	04/2020
FILE:	SESC Plans_6.dwg
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2M

SCALE: 1" = 40'

SESC-29

Last Saved: 4/28/2020
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N

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

SESC NARRATIVE

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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 PLANS.
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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

Tighe&Bond
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
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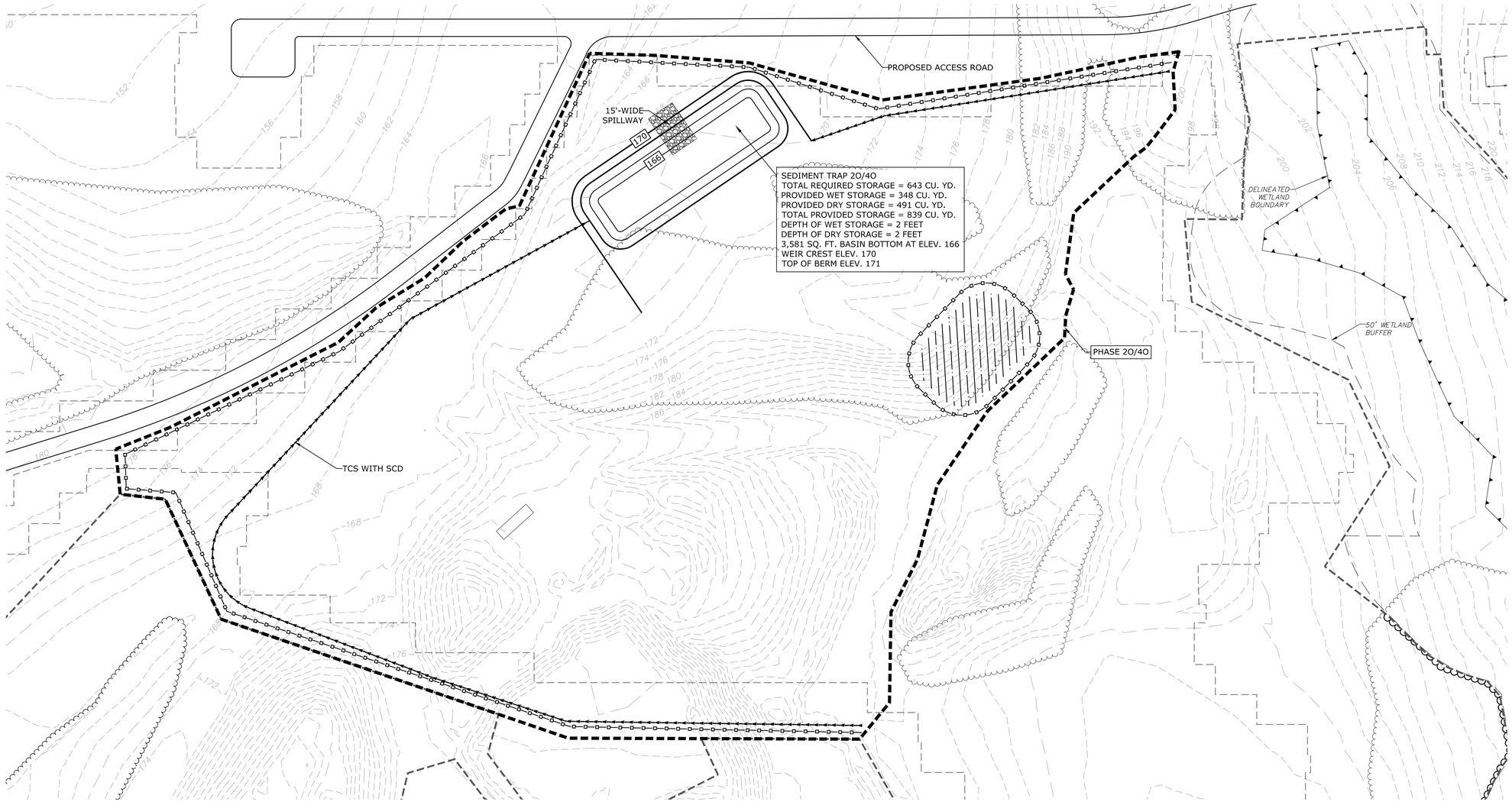
PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2N

SCALE: 1" = 40'

SESC-30

Last Saved: 4/28/2020
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CONSTRUCTION PHASE 2

1. FLAG THE LIMITS OF CONSTRUCTION.
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GENERAL NOTES

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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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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

N

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4/30/20

PERMIT SET NOT FOR CONSTRUCTION

Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
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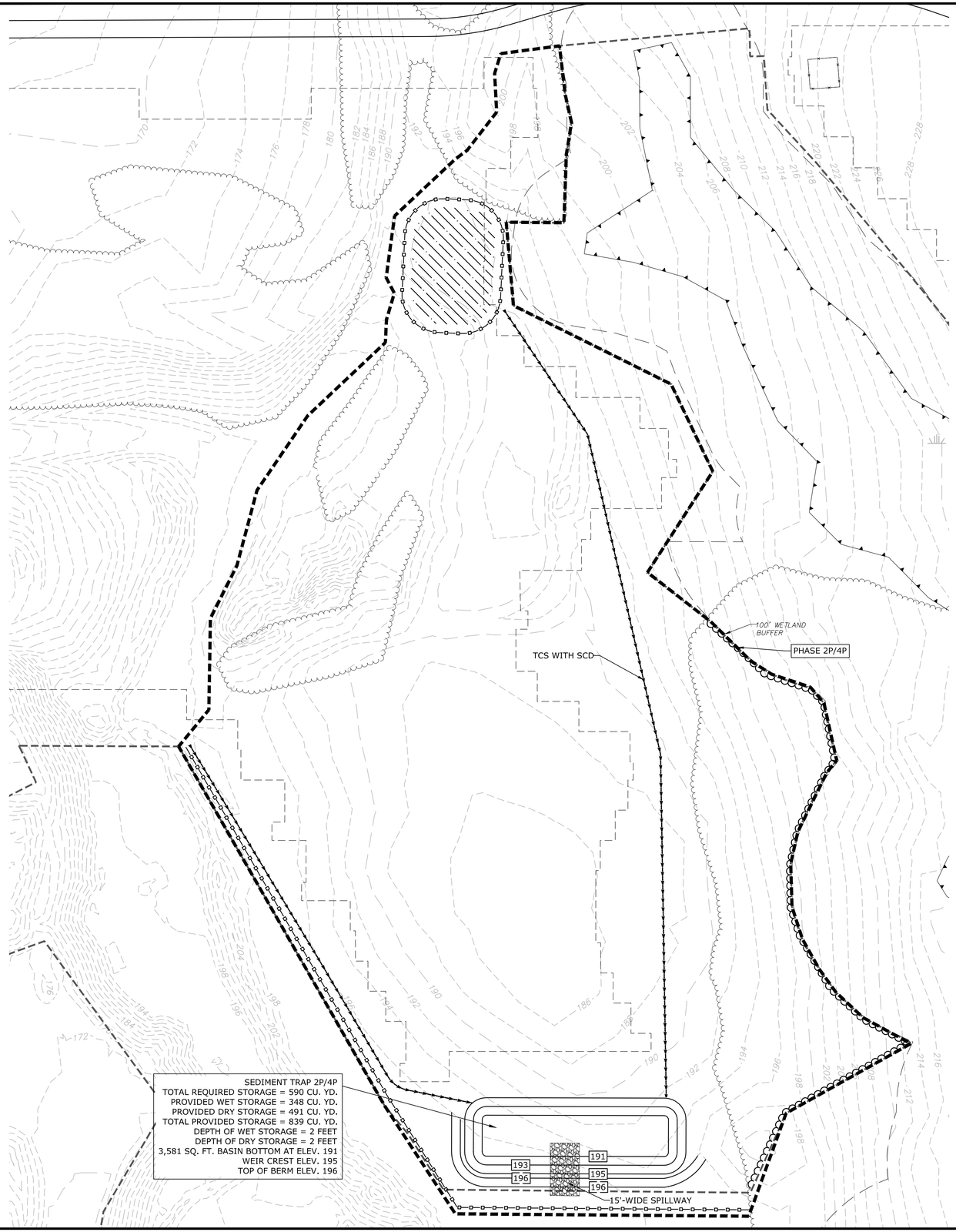
PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2O

SCALE: 1" = 40'

SESC-31

Last Saved: 4/28/2020
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GENERAL NOTES

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CONSTRUCTION PHASE 2

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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

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SOIL EROSION AND SEDIMENT CONTROL PLAN - 2P

SCALE: 1" = 40'

SESC-32

Last Saved: 4/28/2020
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File: C:\Users\AGilchrist\Documents\AutoCAD Sheets\SESC Plans_6.dwg
Tighe & Bond

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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 DESIGN INFORMATION.
5. 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 PLANS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS, SUCH AS TEMPORARY DIVERSION AND 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 STABILIZED MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS, DIVERSION SWALES AND BERMS WITH CHECK DAMS.
5. CLEAR AND GRUB EXISTING STUMPS AS NEEDED.
6. INSTALL SOLAR INFRASTRUCTURE, INCLUDING RACKING, SOLAR MODULES, UTILITY CONNECTIONS, AND EQUIPMENT PADS. SOLAR ARRAY CONSTRUCTION WILL BEGIN WITH POSTS OR GROUND SCREWS BEING DRIVEN INTO THE GROUND; RACKING WILL THEN BE AFFIXED TO THE POSTS; AND MODULES WILL BE MOUNTED AND INSTALLED ON THE RACKS.
7. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AUGMENT WITH ADDITIONAL SEEDING AS NEEDED.
8. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

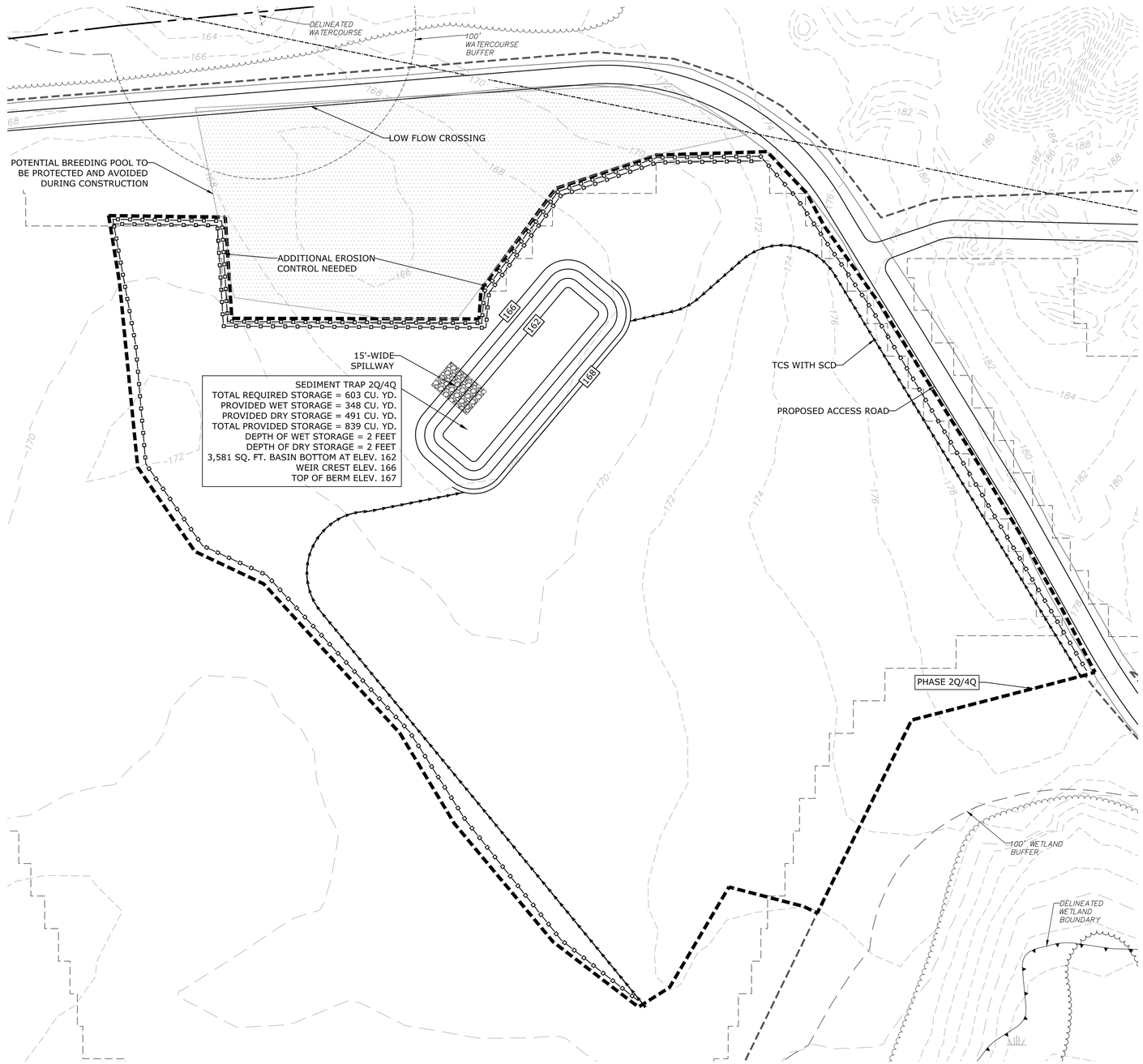
LEGEND

- 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
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

PERMIT SET NOT FOR CONSTRUCTION

Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
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APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2Q

SCALE: 1" = 40'

SESC-33

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PHASE 3A (4.5 AC)
PHASE 3B (7.8 AC)
PHASE 3C (3.4 AC)
PHASE 3F (5.9 AC)
PHASE 3G (6.1 AC)
PHASE 3H (4.6 AC)
PHASE 3I (6.8 AC)
PHASE 3J (4.6 AC)
PHASE 3K (9.2 AC)
PHASE 3D (3.8 AC)
PHASE 3E (5.8 AC)
PHASE 3S (2.6 AC)
PHASE 3R (10.0 AC)
PHASE 3Q (1.5 AC)
PHASE 3L (3.8 AC)
PHASE 3M (5.0 AC)
PHASE 3N (5.0 AC)
PHASE 3P (4.6 AC)
PHASE 3O (3.4 AC)
PHASE 3T (8.9 AC)
PHASE 3U (10.0 AC)

N

SCALE IN FEET
0 350' 700'
GRAPHIC SCALE

Tighe&Bond
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
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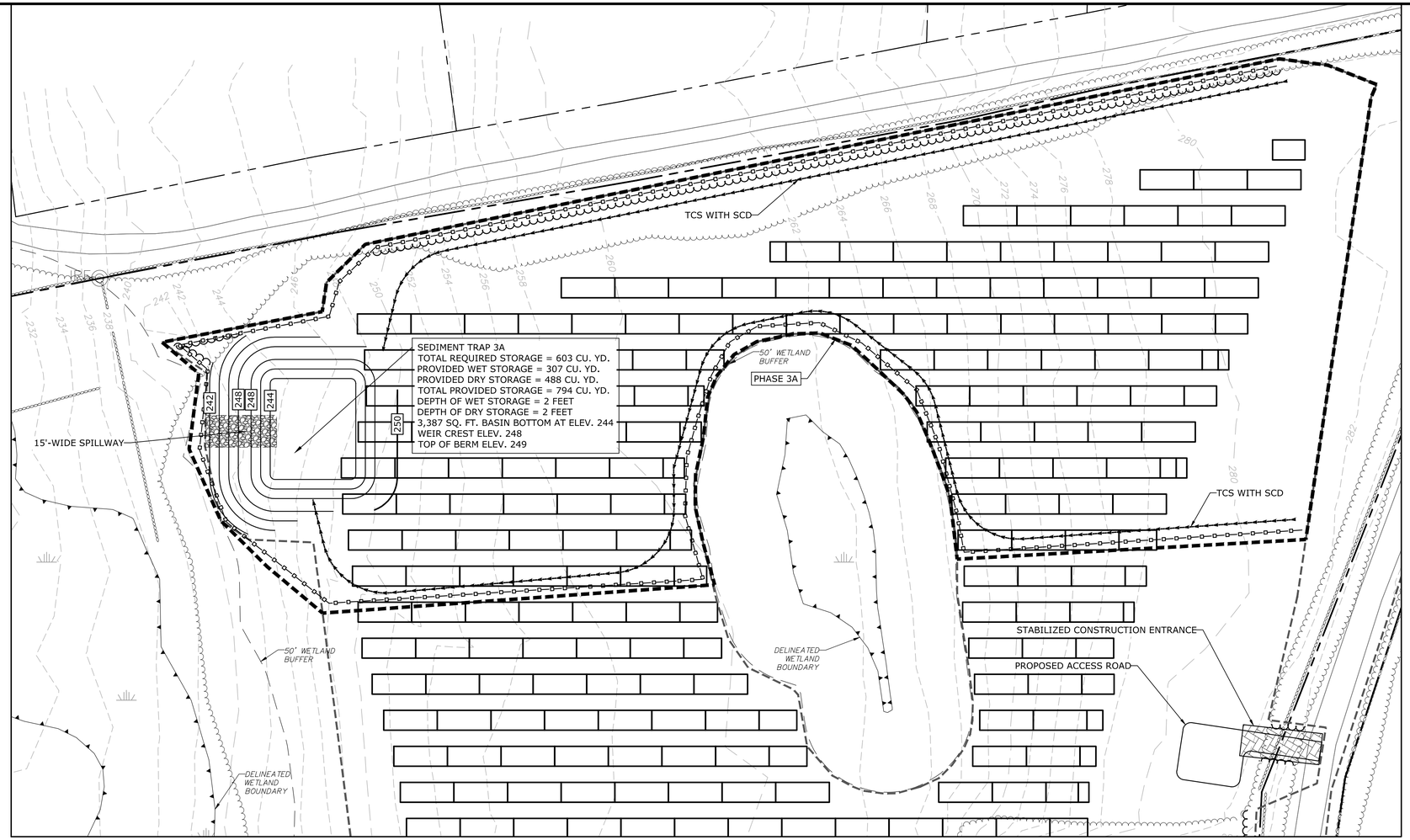
PROJECT NO:	R0317
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SOIL EROSION AND SEDIMENT CONTROL PLAN - PHASE 3 OVERALL

SCALE: 1" = 350'

SESC-34

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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 PLANS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS, SUCH AS TEMPORARY DIVERSION AND 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 STABILIZED MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
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8. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

GENERAL NOTES

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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 234 ACRES OF DISTURBANCE.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2020/2021, PER NDDB RECOMMENDATIONS.

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 AND 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
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Brooklyn & Canterbury, Connecticut

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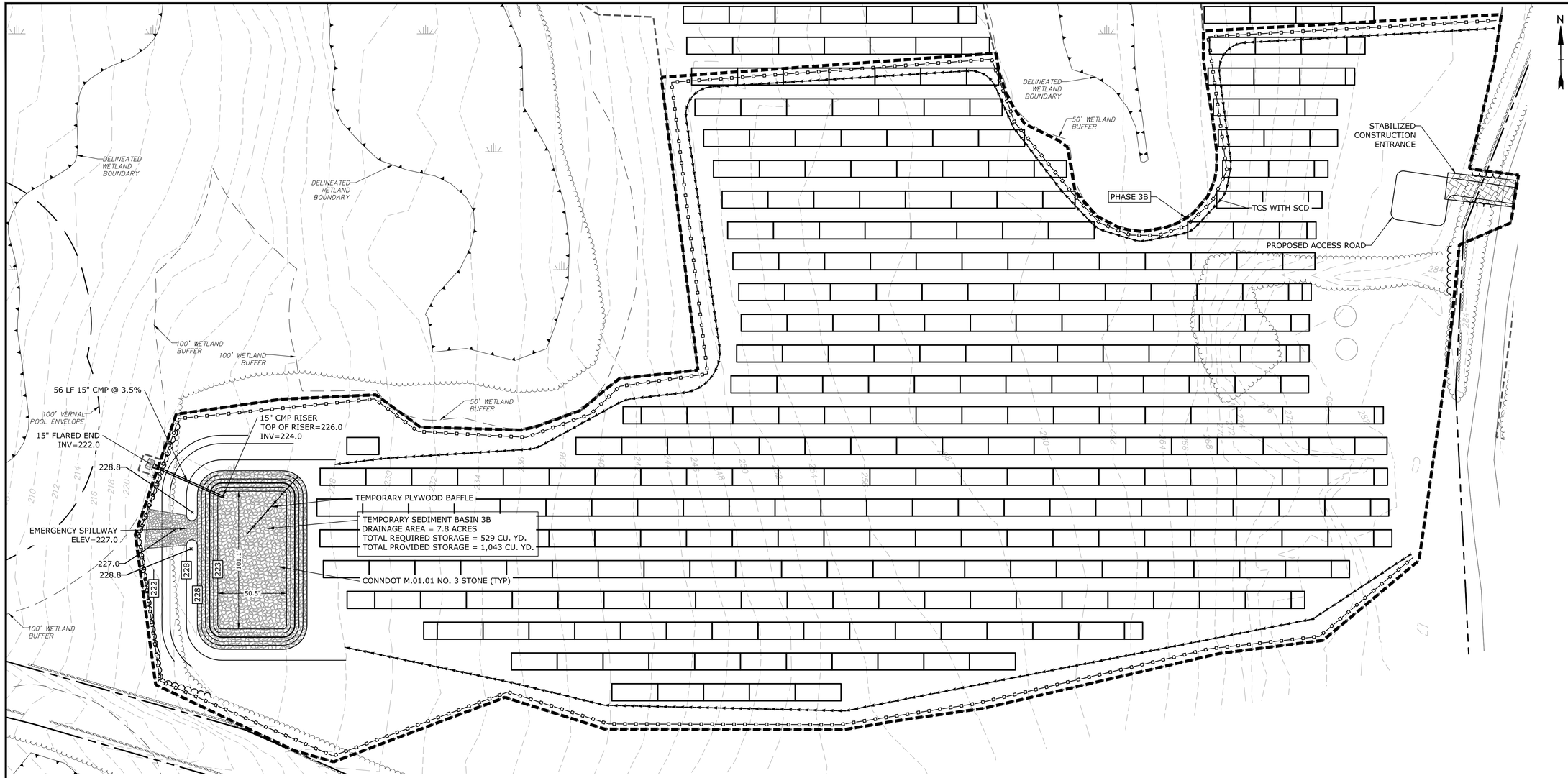
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APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3A

SCALE: 1" = 40'

SESC-35

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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

GENERAL NOTES

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S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

SESC NARRATIVE

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SEDIMENT TRAP AND 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 PLANS.
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8. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

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Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Brooklyn & Canterbury, Connecticut

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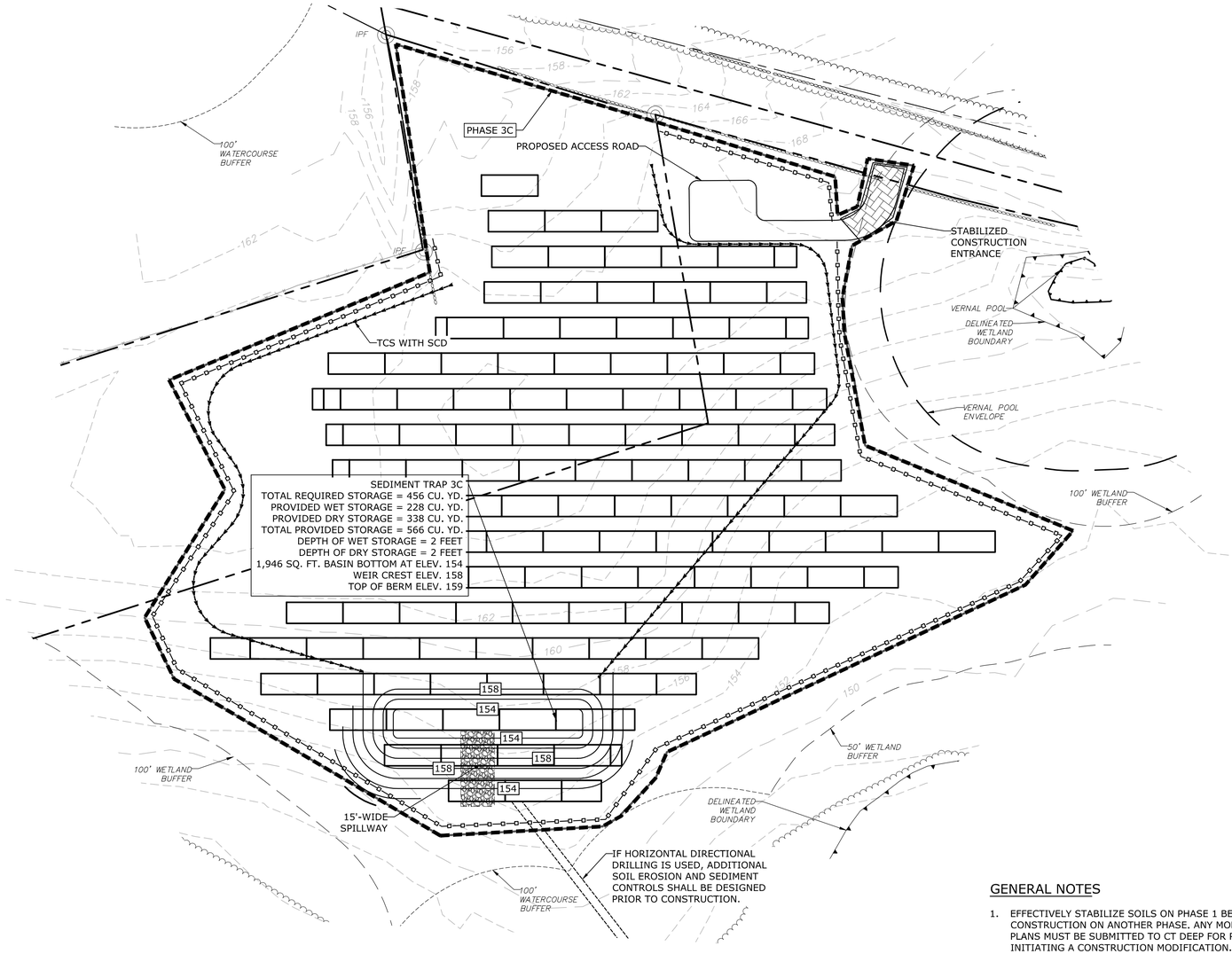
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CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3B

SCALE: 1" = 40'

SESC-36

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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

CONSTRUCTION PHASE 3

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8. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

GENERAL NOTES

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

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

N

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Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

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APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3C

SCALE: 1" = 40'

SESC-37

Last Saved: 4/28/2020
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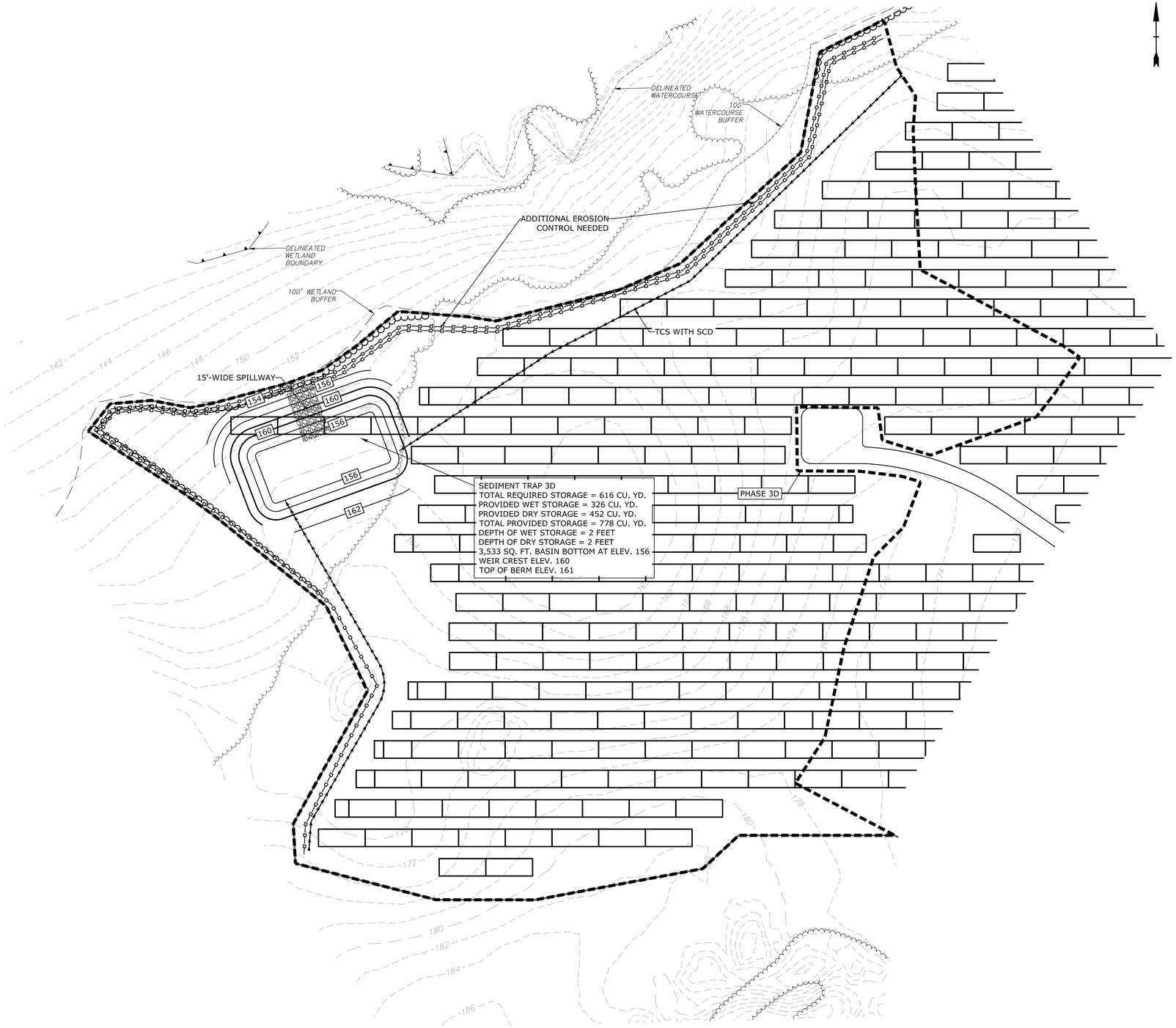
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LEGEND

- 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

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

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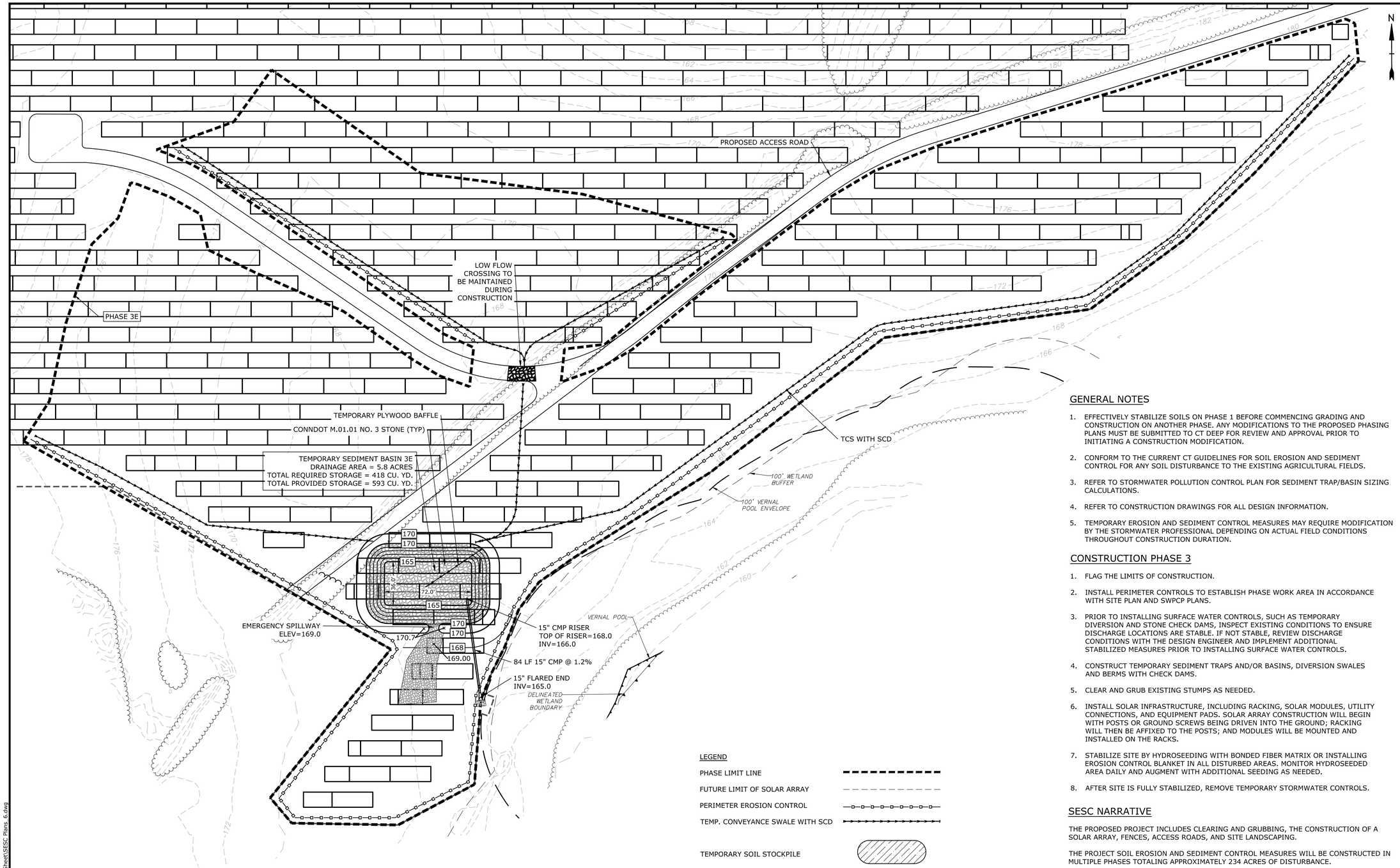
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SOIL EROSION AND SEDIMENT CONTROL PLAN - 3D

SCALE: 1" = 40'

SESC-38

Last Saved: 4/28/2020
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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

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 DESIGN INFORMATION.
5. 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 PLANS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS, SUCH AS TEMPORARY DIVERSION AND 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 STABILIZED MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS, DIVERSION SWALES AND BERMS WITH CHECK DAMS.
5. CLEAR AND GRUB EXISTING STUMPS AS NEEDED.
6. INSTALL SOLAR INFRASTRUCTURE, INCLUDING RACKING, SOLAR MODULES, UTILITY CONNECTIONS, AND EQUIPMENT PADS. SOLAR ARRAY CONSTRUCTION WILL BEGIN WITH POSTS OR GROUND SCREWS BEING DRIVEN INTO THE GROUND; RACKING WILL THEN BE AFFIXED TO THE POSTS; AND MODULES WILL BE MOUNTED AND INSTALLED ON THE RACKS.
7. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AUGMENT WITH ADDITIONAL SEEDING AS NEEDED.
8. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

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 234 ACRES OF DISTURBANCE.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2020/2021, PER NDDB RECOMMENDATIONS.

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

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

PERMIT SET NOT FOR CONSTRUCTION

Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
BAR IS 1 INCH ON ORIGINAL DRAWING
0 1 INCH
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3E

SCALE: 1" = 40'

SESC-39

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020-5:46pm By: AGilchrist
Tighe & Bond: C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

SESC NARRATIVE

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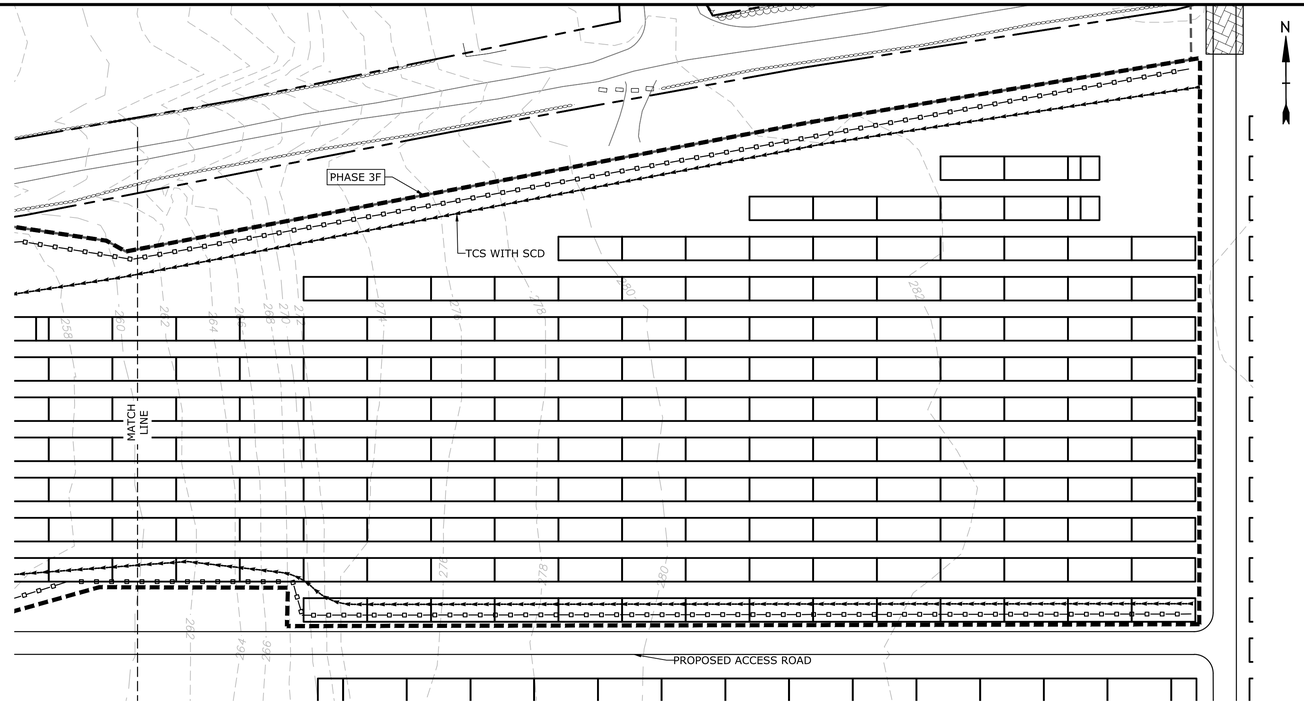
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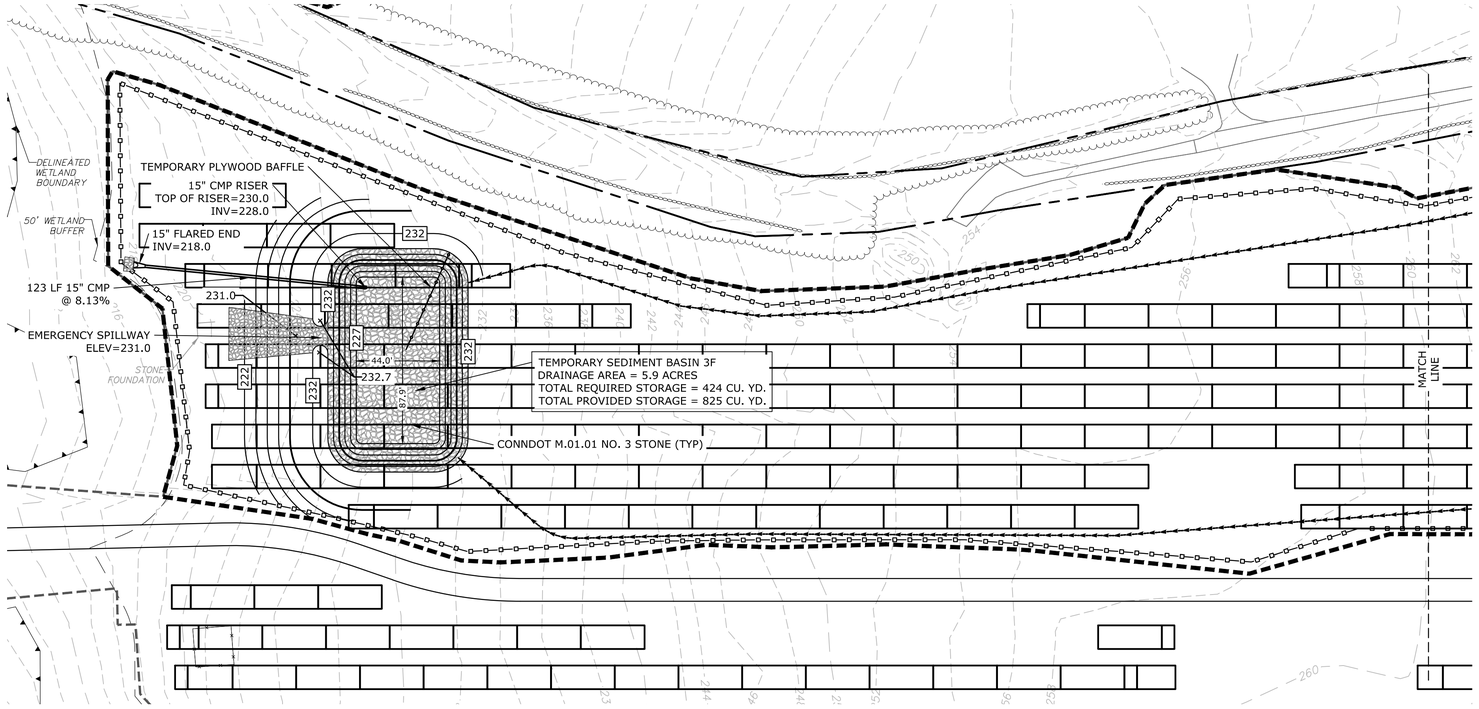
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LEGEND

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- 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
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Brooklyn & Canterbury, Connecticut

VERIFY SCALE
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PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3F

SCALE: 1" = 40'

SESC-40

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 5:48pm By: AGilchrist
Tighe & Bond: C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

SESC NARRATIVE

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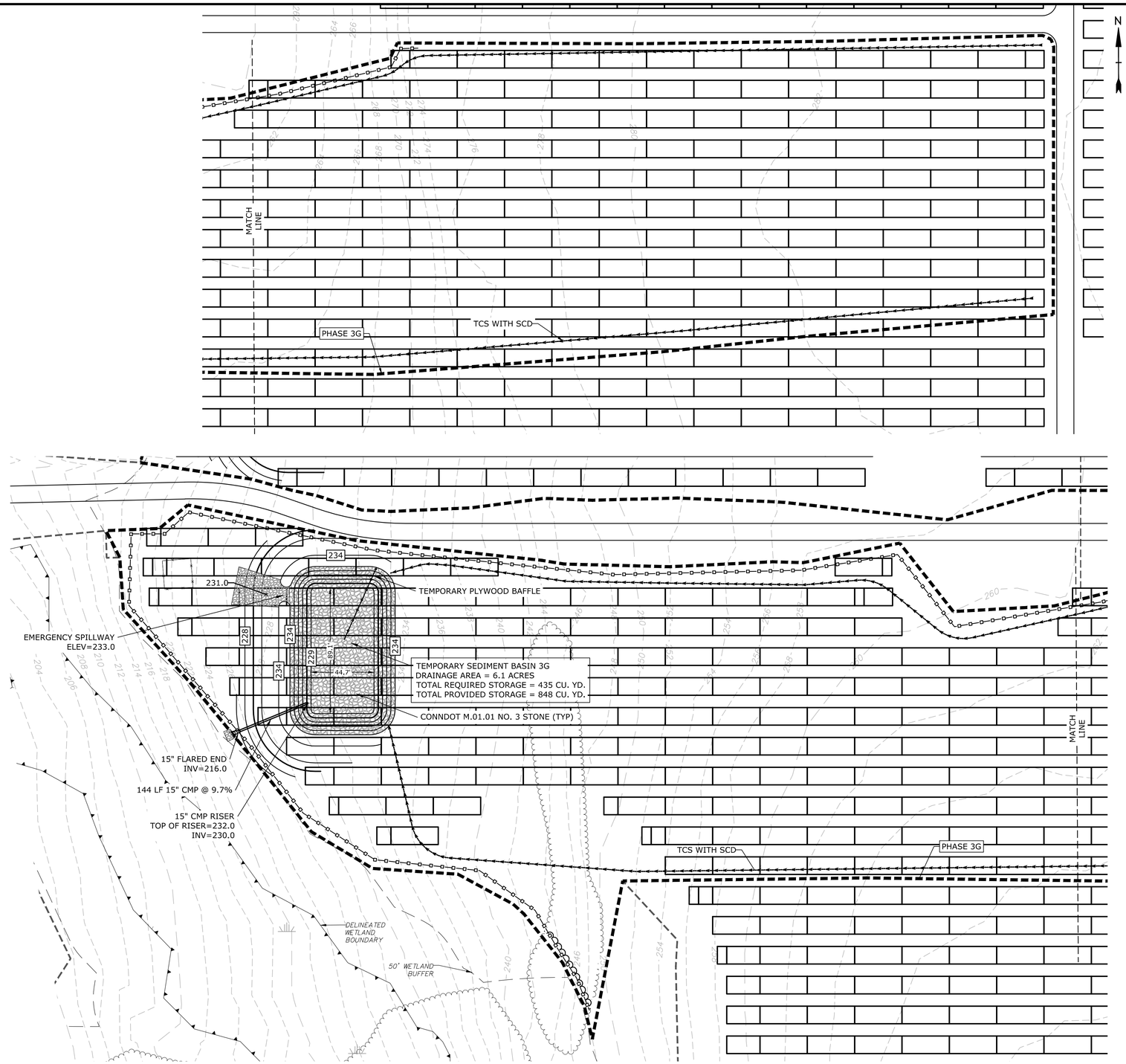
LEGEND

- PHASE LIMIT LINE
- FUTURE LIMIT OF SOLAR ARRAY
- PERIMETER EROSION CONTROL
- TEMP. CONVEYANCE SWALE WITH SCD
- TEMPORARY SOIL STOCKPILE
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S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE



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STATE OF CONNECTICUT
BRIAN S. HUNTLEY
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LICENSED PROFESSIONAL ENGINEER
4/30/20

PERMIT SET NOT FOR CONSTRUCTION

Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
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MARK	DATE	DESCRIPTION

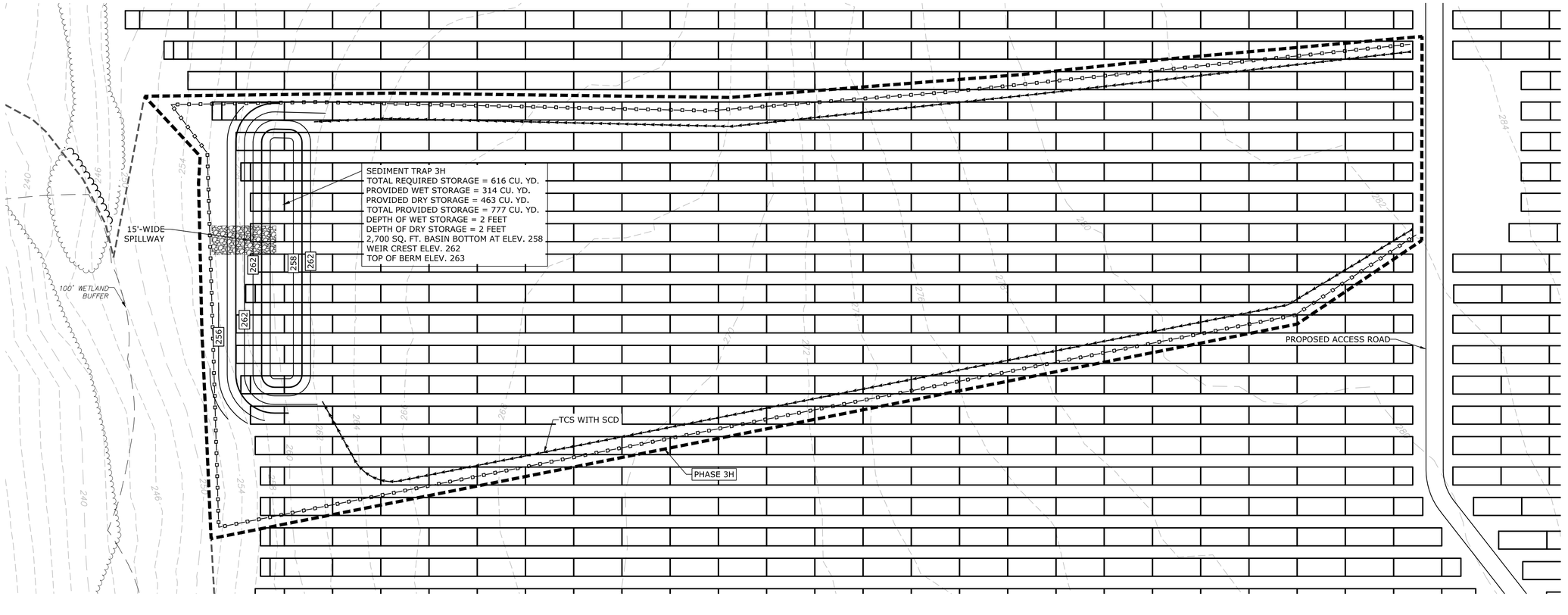
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DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3G

SCALE: 1" = 40'

SESC-41

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 5:52pm By: AGilchrist
Tighe & Bond File: C:\Users\AGilchrist\Documents\AutoCAD\Sheets\SESC Plans_6.dwg



CONSTRUCTION PHASE 3

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SESC NARRATIVE

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S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 5:55pm By: AGilchrist
Tighe & Bond: C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

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Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

PERMIT SET NOT FOR CONSTRUCTION

Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
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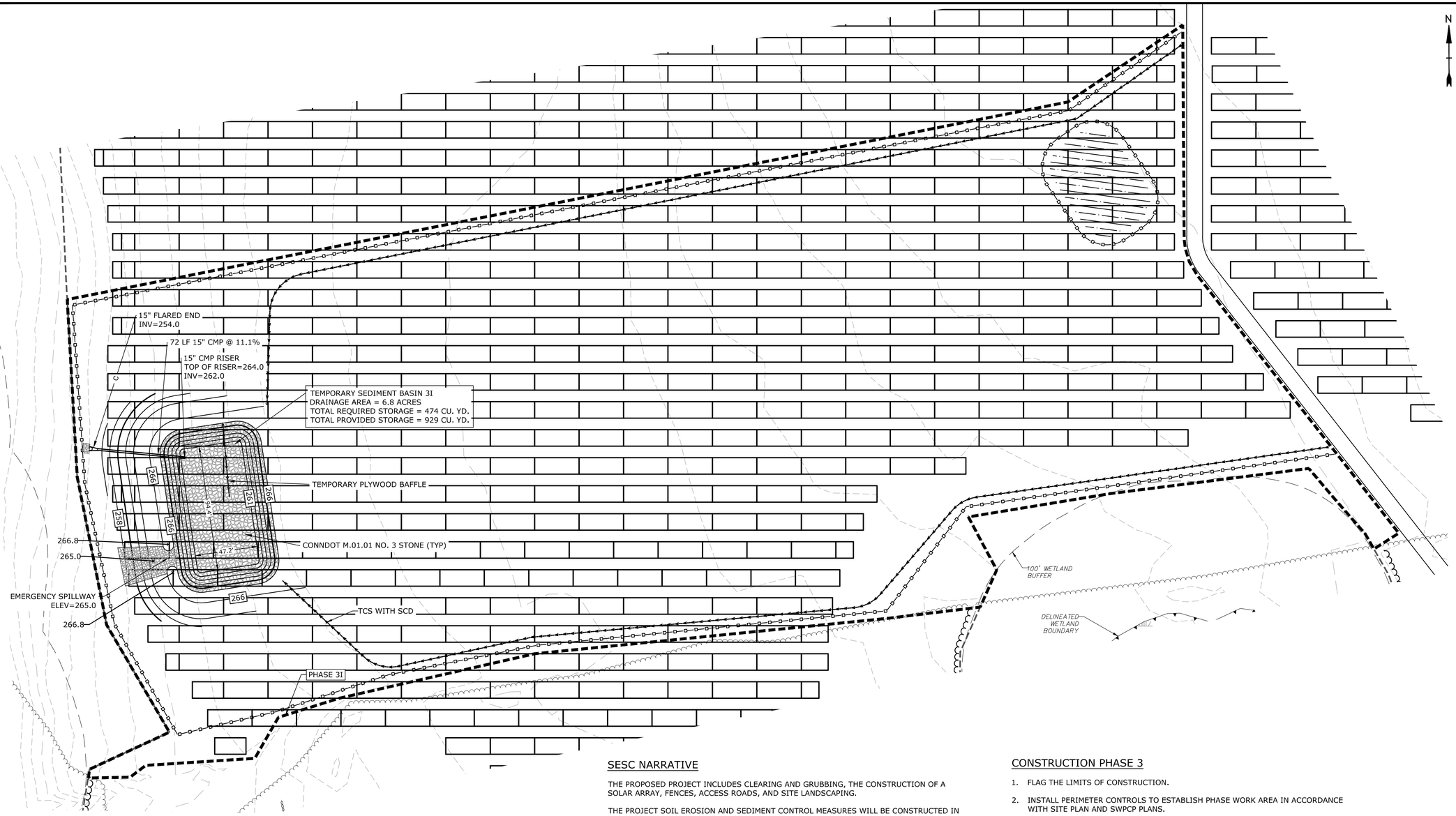
MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
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APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3H

SCALE: 1" = 40'

SESC-42



LEGEND

- PHASE LIMIT LINE
- FUTURE LIMIT OF SOLAR ARRAY
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GRAPHIC SCALE

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PERMIT SET NOT FOR CONSTRUCTION

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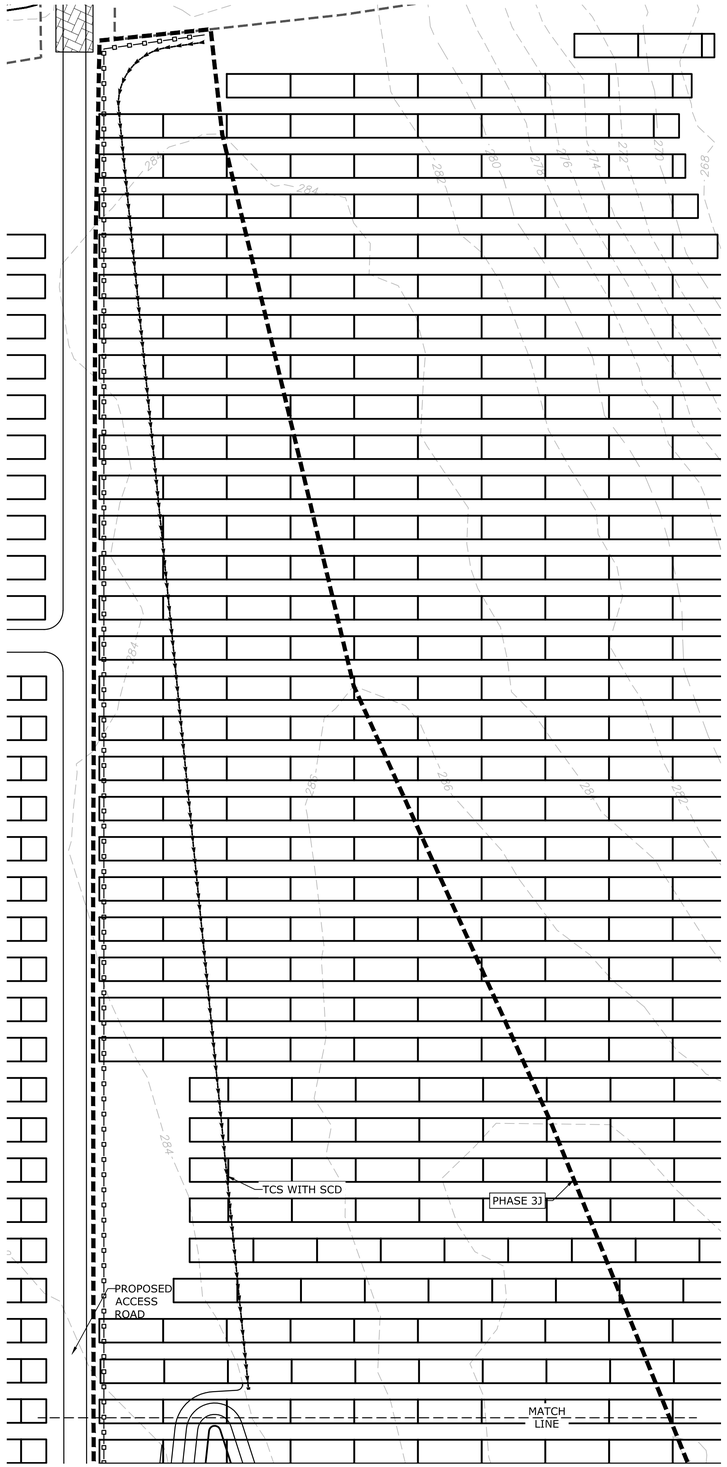
PROJECT NO:	R0317
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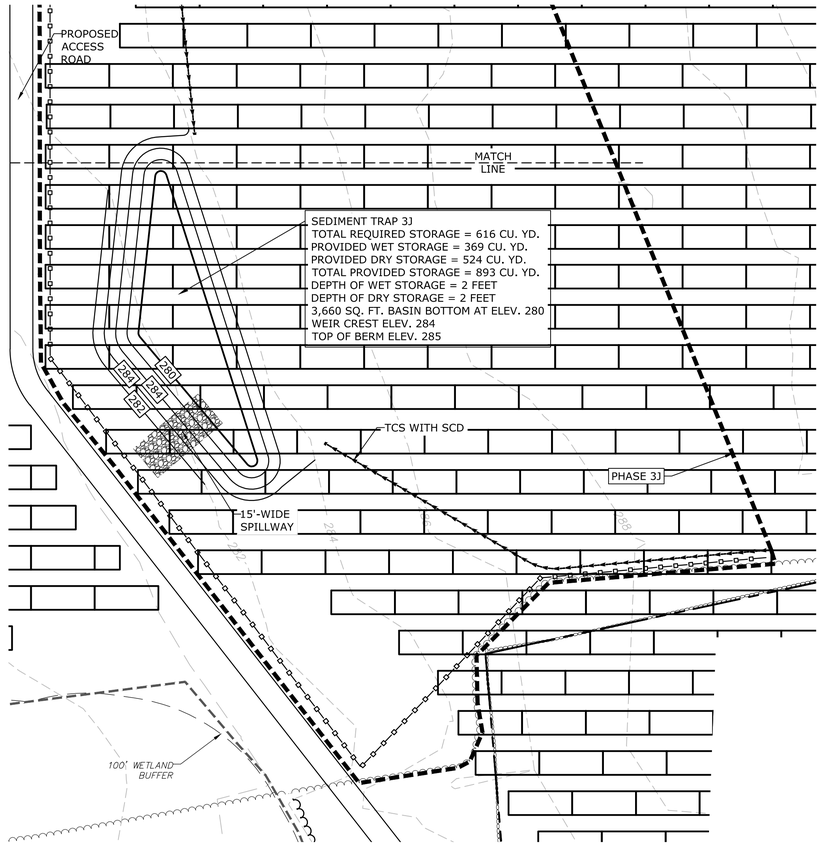
SOIL EROSION AND SEDIMENT CONTROL PLAN - 3I

SCALE: 1" = 40'

SESC-43

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 5:58pm By: AGilchrist
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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 AND 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 PLANS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS, SUCH AS TEMPORARY DIVERSION AND 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 STABILIZED MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS, DIVERSION SWALES AND BERMS WITH CHECK DAMS.
5. CLEAR AND GRUB EXISTING STUMPS AS NEEDED.
6. INSTALL SOLAR INFRASTRUCTURE, INCLUDING RACKING, SOLAR MODULES, UTILITY CONNECTIONS, AND EQUIPMENT PADS. SOLAR ARRAY CONSTRUCTION WILL BEGIN WITH POSTS OR GROUND SCREWS BEING DRIVEN INTO THE GROUND; RACKING WILL THEN BE AFFIXED TO THE POSTS; AND MODULES WILL BE MOUNTED AND INSTALLED ON THE RACKS.
7. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AUGMENT WITH ADDITIONAL SEEDING AS NEEDED.
8. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

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 DESIGN INFORMATION.
5. 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

N

Tighe&Bond
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

PERMIT SET NOT FOR CONSTRUCTION

Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
BAR IS 1 INCH ON ORIGINAL DRAWING
0 1 INCH
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

MARK	DATE	DESCRIPTION

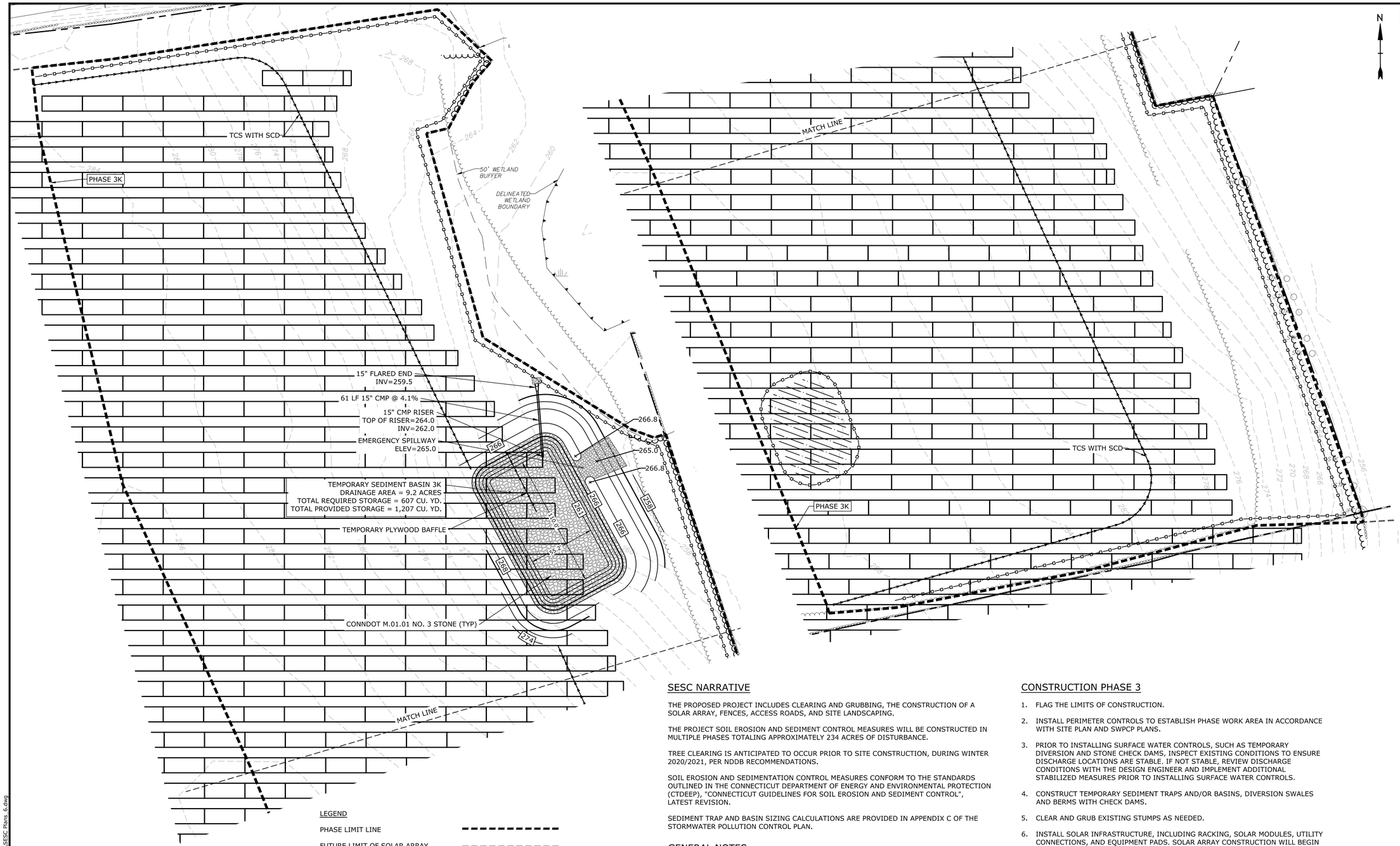
PROJECT NO:	R0317
DATE:	04/2020
FILE:	SESC Plans_6.dwg
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3J

SCALE: 1" = 40'

SESC-44

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 6:02pm By: AGilchrist
Tighe & Bond C:\Users\AGilchrist\Documents\AutoCAD Sheets\SESC Plans_6.dwg



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 234 ACRES OF DISTURBANCE.

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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 PLANS.
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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

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

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4/30/20

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Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
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MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE:	SESC Plans_6.dwg
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3K

SCALE: 1" = 40'

SESC-45

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 6:06pm By: AGilchrist
Tighe & Bond PC: \Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

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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CONSTRUCTION PHASE 3

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NOTE

1. PHASE 3M MUST BE STABILIZED AT COMMENCEMENT OF CONSTRUCTION IN PHASE 3L.

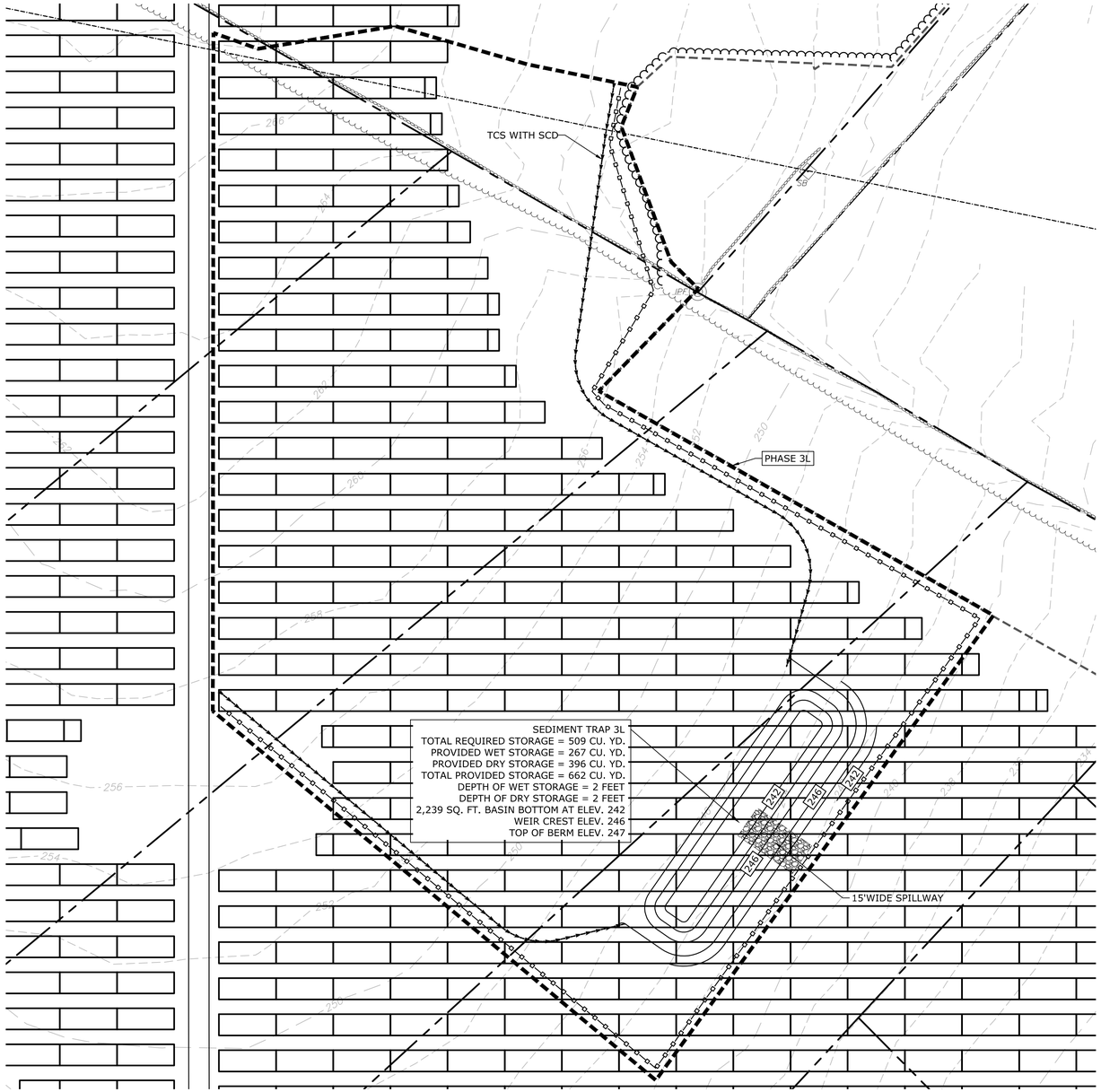
LEGEND

- PHASE LIMIT LINE
- FUTURE LIMIT OF SOLAR ARRAY
- PERIMETER EROSION CONTROL
- TEMP. CONVEYANCE SWALE WITH SCD
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S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE



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Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
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MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3L

SCALE: 1" = 40'

SESC-46

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020-6:09pm By: AGilchrist
Tighe & Bond: C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

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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CONSTRUCTION PHASE 3

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8. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

NOTE

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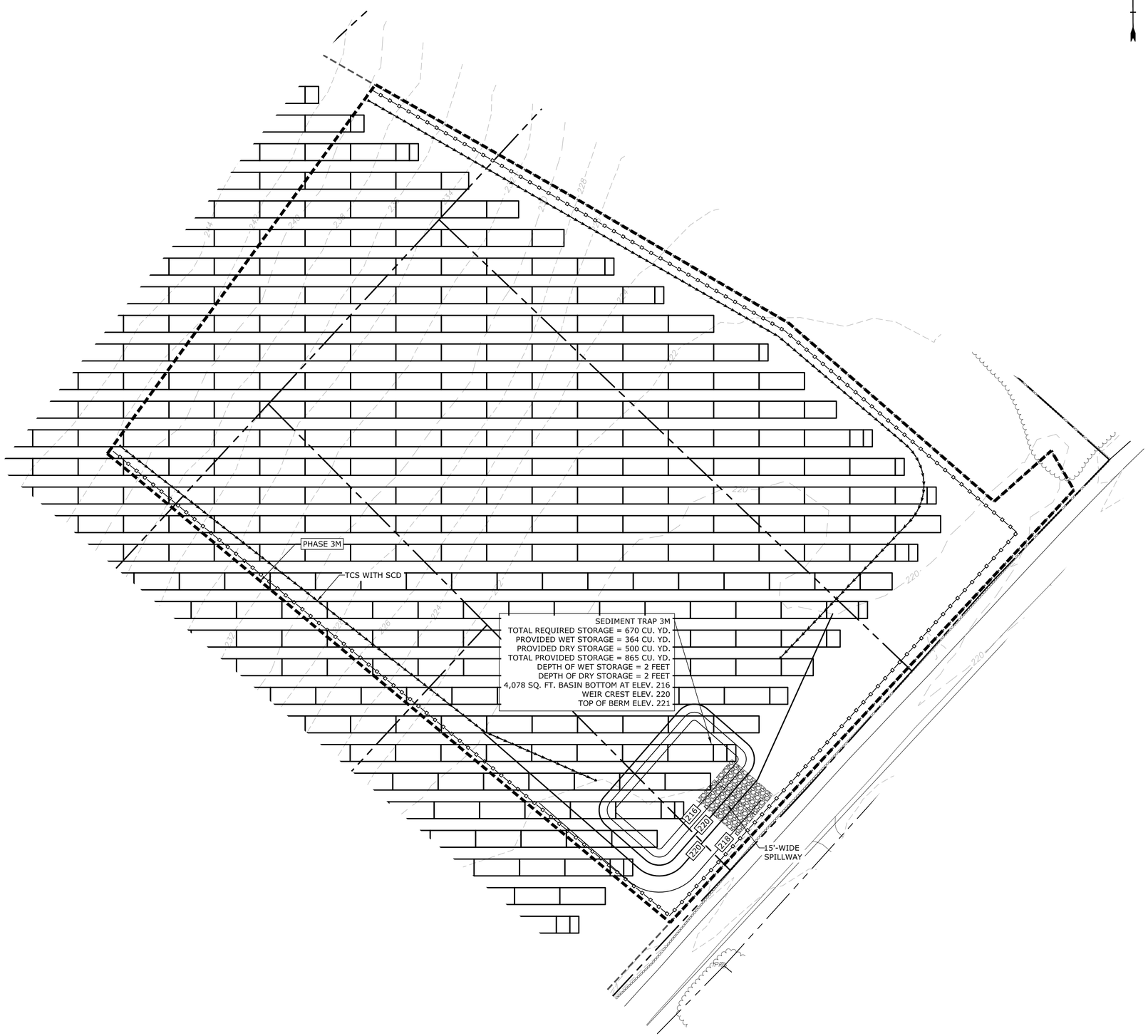
LEGEND

- PHASE LIMIT LINE
- FUTURE LIMIT OF SOLAR ARRAY
- PERIMETER EROSION CONTROL
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S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE



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STATE OF CONNECTICUT
BRIAN S. HUNTLEY
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LICENSED PROFESSIONAL ENGINEER
4/30/20

PERMIT SET NOT FOR CONSTRUCTION

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Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
BAR IS 1 INCH ON ORIGINAL DRAWING
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MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3M

SCALE: 1" = 40'

SESC-47

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020-6:13pm By: AGilchrist
Tighe & Bond C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

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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CONSTRUCTION PHASE 3

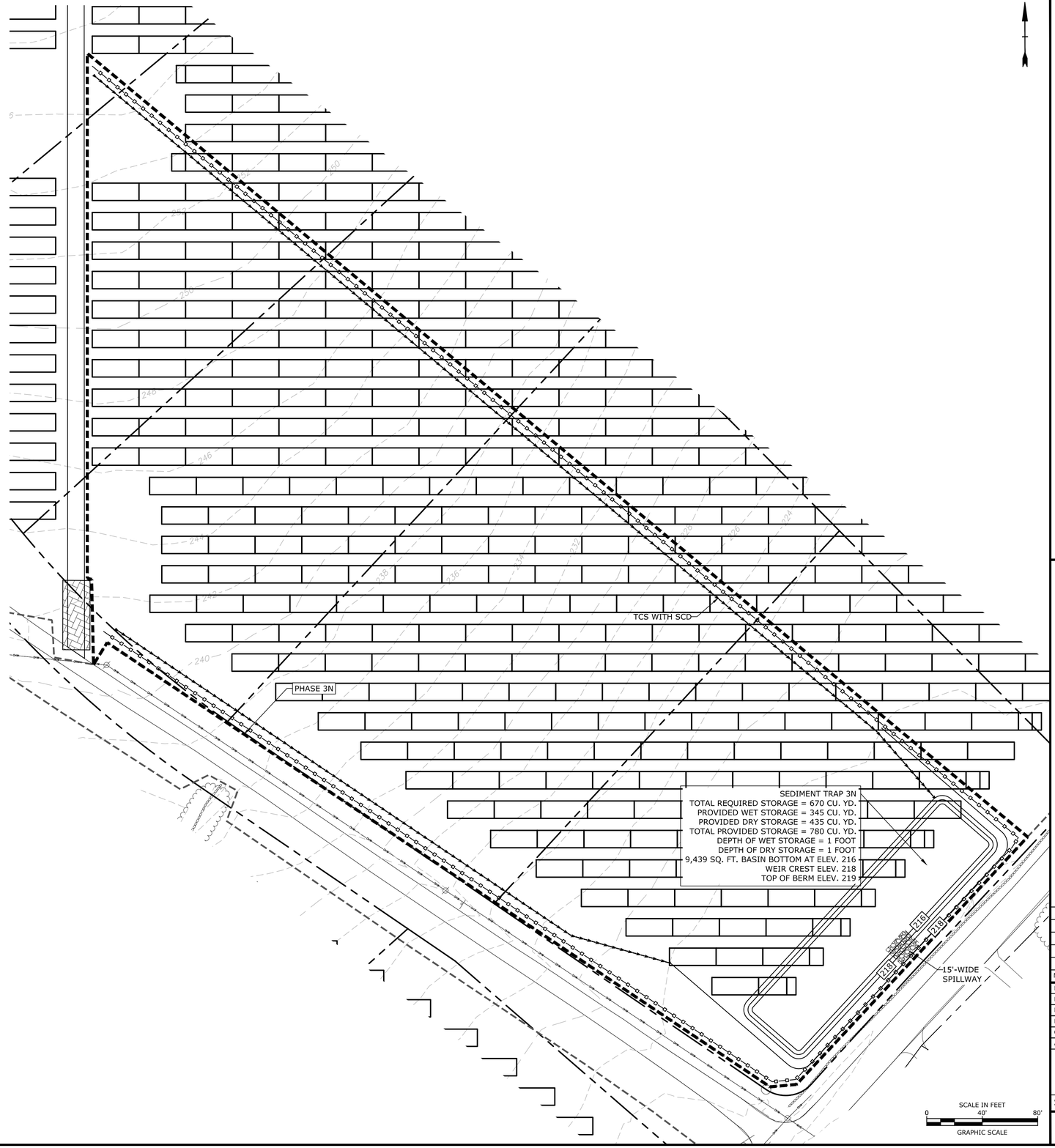
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Brooklyn & Canterbury, Connecticut

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MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3N

SCALE: 1" = 40'

SESC-48

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020-6:17pm By: AGilchrist
Tighe & Bond C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

SESC NARRATIVE

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CONSTRUCTION PHASE 3

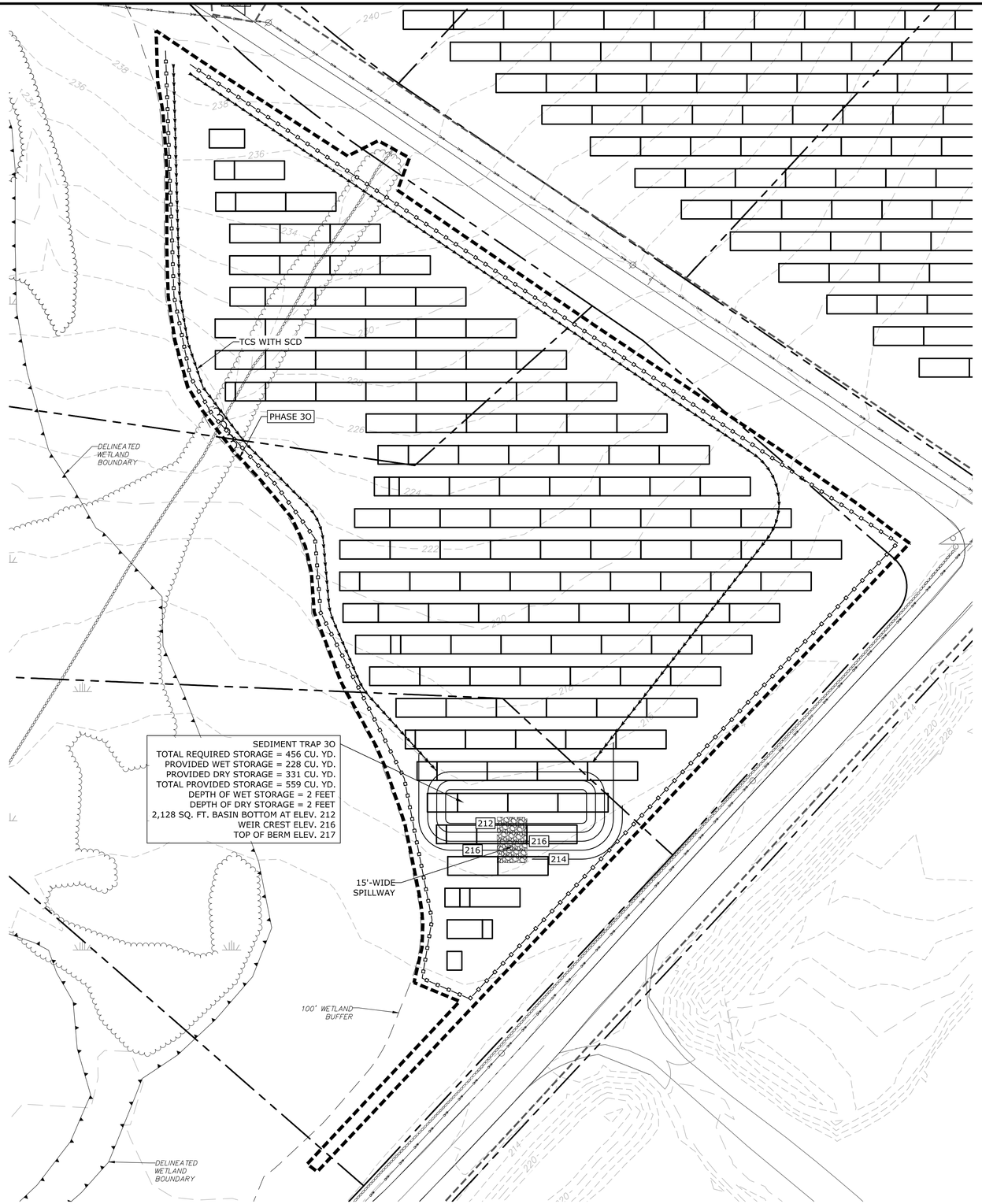
1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP PLANS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS, SUCH AS TEMPORARY DIVERSION AND STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZED MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS, DIVERSION SWALES AND BERMS WITH CHECK DAMS.
5. CLEAR AND GRUB EXISTING STUMPS AS NEEDED.
6. INSTALL SOLAR INFRASTRUCTURE, INCLUDING RACKING, SOLAR MODULES, UTILITY CONNECTIONS, AND EQUIPMENT PADS. SOLAR ARRAY CONSTRUCTION WILL BEGIN WITH POSTS OR GROUND SCREWS BEING DRIVEN INTO THE GROUND; RACKING WILL THEN BE AFFIXED TO THE POSTS; AND MODULES WILL BE MOUNTED AND INSTALLED ON THE RACKS.
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8. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

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
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
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MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3O

SCALE: 1" = 40'

SESC-49

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 6:21pm By: AGilchrist
Tighe & Bond Fc:\Users\AGilchrist\Documents\AutoCAD\Sheets\SESC Plans_6.dwg

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 234 ACRES OF DISTURBANCE.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2020/2021, PER NDDB RECOMMENDATIONS.

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GENERAL NOTES

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CONSTRUCTION PHASE 3

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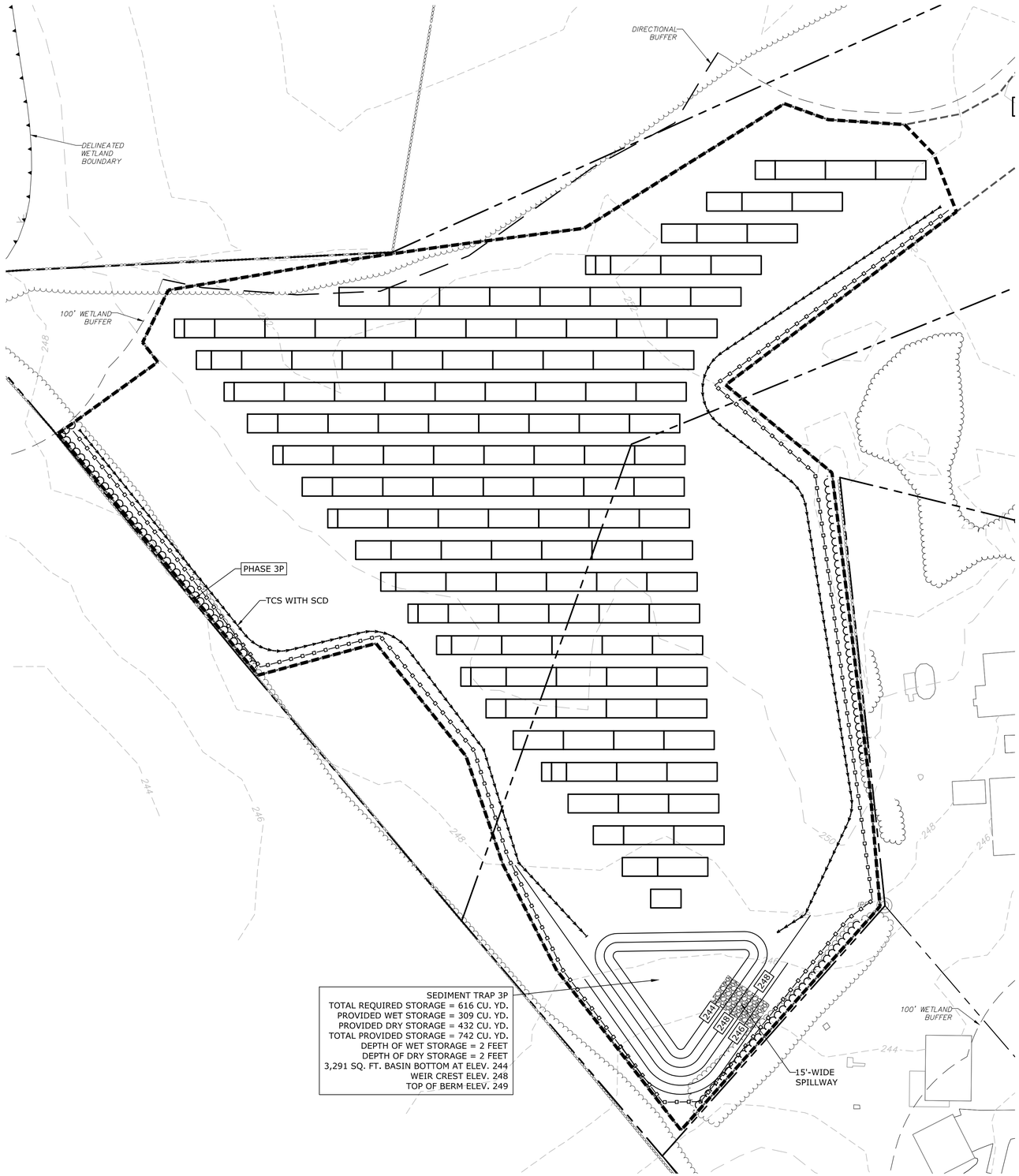
LEGEND

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S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE



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Brooklyn & Canterbury, Connecticut

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DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3P

SCALE: 1" = 40'

SESC-50

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020-6:24pm By: AGilchrist
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SESC NARRATIVE

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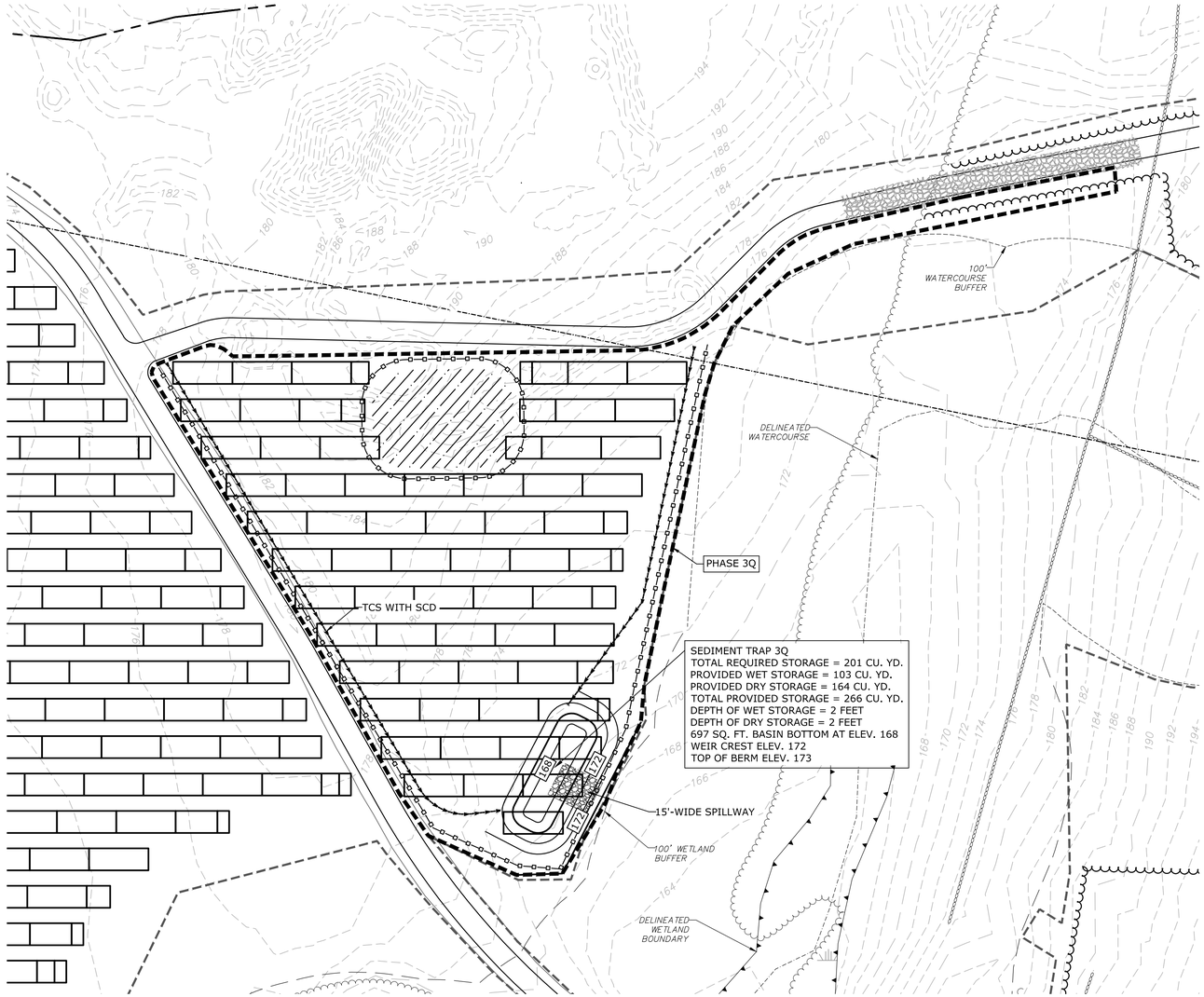
LEGEND

- PHASE LIMIT LINE
- FUTURE LIMIT OF SOLAR ARRAY
- PERIMETER EROSION CONTROL
- TEMP. CONVEYANCE SWALE WITH SCD
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S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE



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MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE:	SESC Plans_6.dwg
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3Q

SCALE: 1" = 40'

SESC-51

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020-6:28pm By: AGilchrist
Tighe & Bond C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

SESC NARRATIVE

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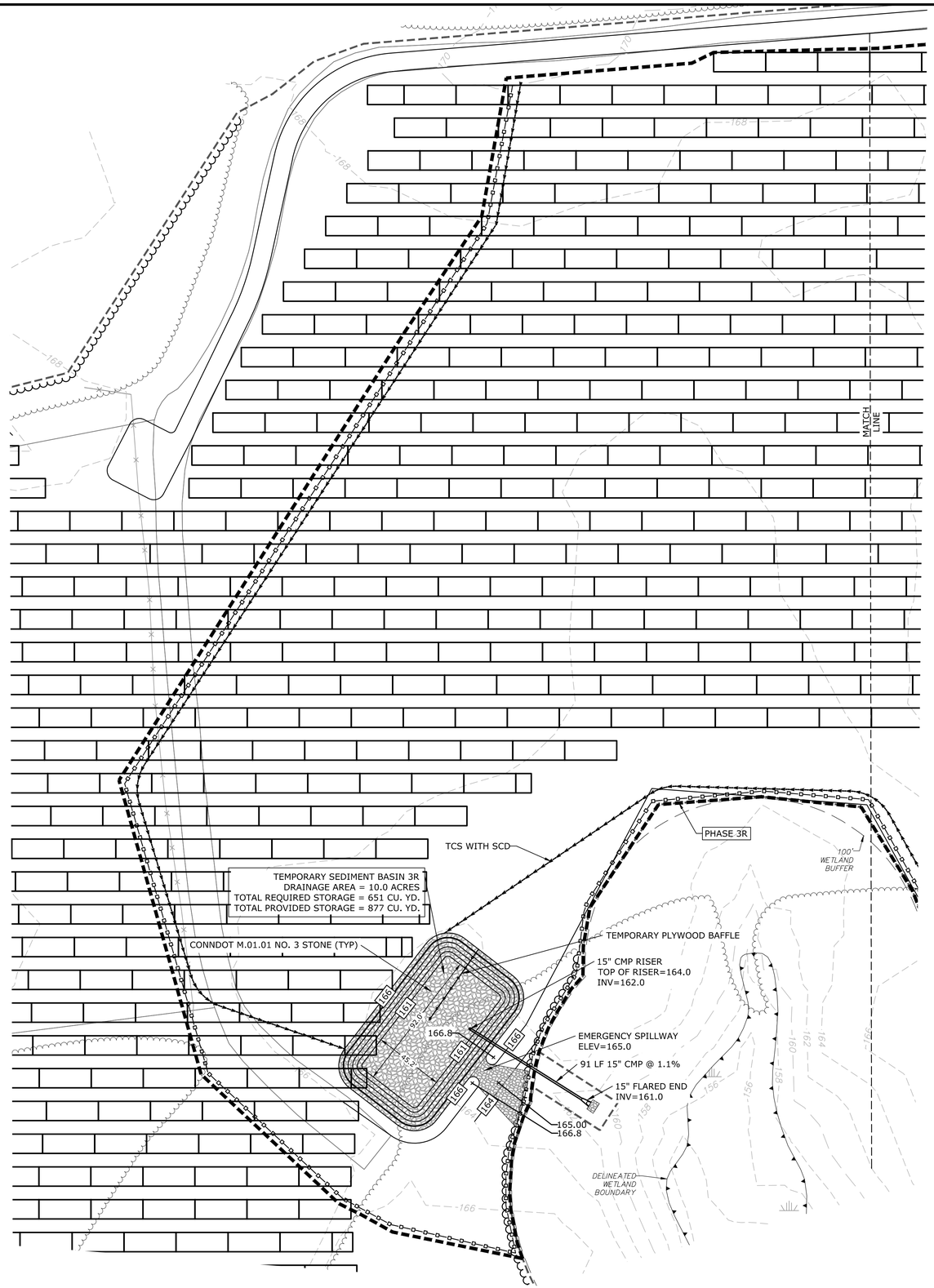
LEGEND

- PHASE LIMIT LINE
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- EXISTING LIMIT OF VEGETATION
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S&E CODES

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TCS TEMP. CONVEYANCE SWALE



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PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3RA

SCALE: 1" = 40'

SESC-52

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 6:31pm By: AGilchrist
Tighe & Bond: C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

SESC NARRATIVE

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LEGEND

PHASE LIMIT LINE

FUTURE LIMIT OF SOLAR ARRAY

PERIMETER EROSION CONTROL

TEMP. CONVEYANCE SWALE WITH SCD

TEMPORARY SOIL STOCKPILE

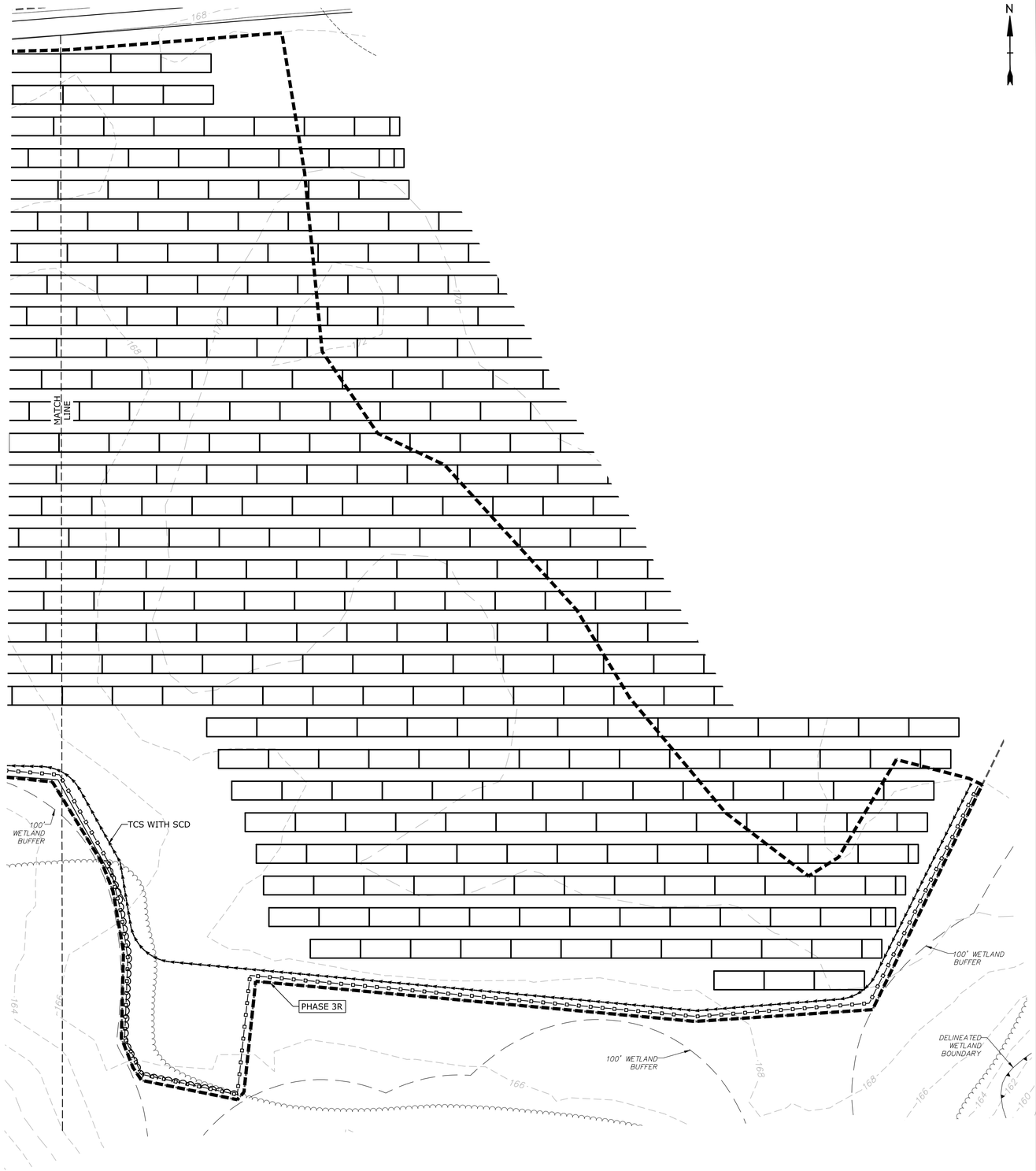
EXISTING LIMIT OF VEGETATION

PROPOSED LIMIT OF VEGETATION

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N

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APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3RB

SCALE: 1" = 40'

SESC-53

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020-6:35pm By: AGilchrist
Tighe & Bond: C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

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NOTE: SEDIMENT TRAP 1F IS THE SAME AS SEDIMENT TRAP 3S.

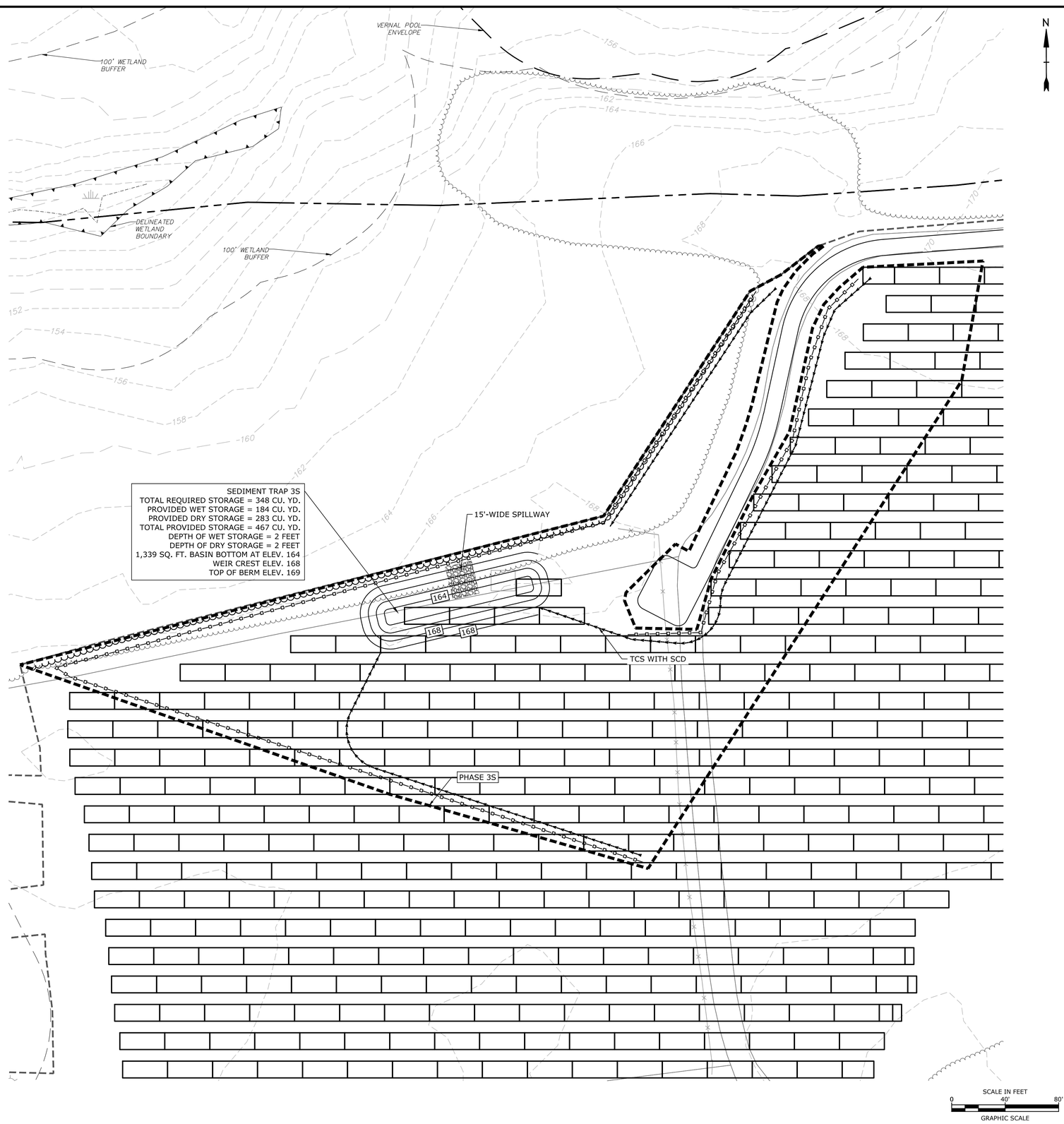
LEGEND

- 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
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

PERMIT SET NOT FOR CONSTRUCTION

Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
BAR IS 1 INCH ON ORIGINAL DRAWING
0 1 INCH
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3S

SCALE: 1" = 40'

SESC-54

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020-6:37pm By: AGilchrist
Tighe & Bond C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

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 234 ACRES OF DISTURBANCE.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2020/2021, PER NDDB RECOMMENDATIONS.

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 AND BASIN 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.
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3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL DESIGN INFORMATION.
5. 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 PLANS.
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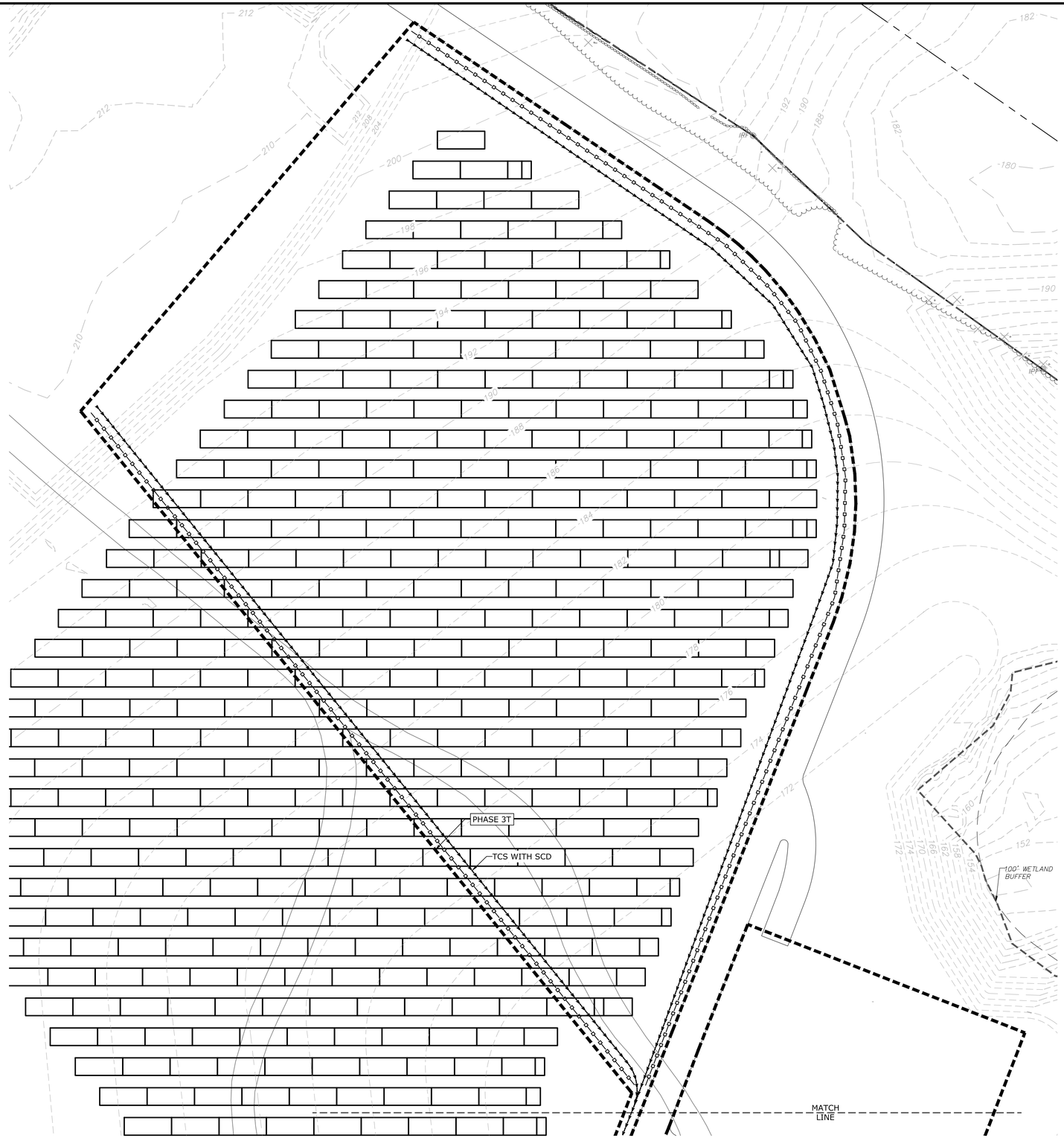
NOTE: SEDIMENT BASIN 3T IS THE SAME AS SEDIMENT BASIN 3U.

LEGEND

- PHASE LIMIT LINE
- FUTURE LIMIT OF SOLAR ARRAY
- PERIMETER EROSION CONTROL
- TEMP. CONVEYANCE SWALE WITH SCD
- TEMPORARY SOIL STOCKPILE
- EXISTING LIMIT OF VEGETATION
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S&E CODES

SCD STONE CHECK DAM
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4/30/20

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Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
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0 1 INCH
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MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3TA

SCALE: 1" = 40'

SESC-55

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020-6:40pm By: AGilchrist
Tighe & Bond C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

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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CONSTRUCTION PHASE 3

1. FLAG THE LIMITS OF CONSTRUCTION.
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NOTE: SEDIMENT BASIN 3T IS THE SAME AS SEDIMENT BASIN 3U.

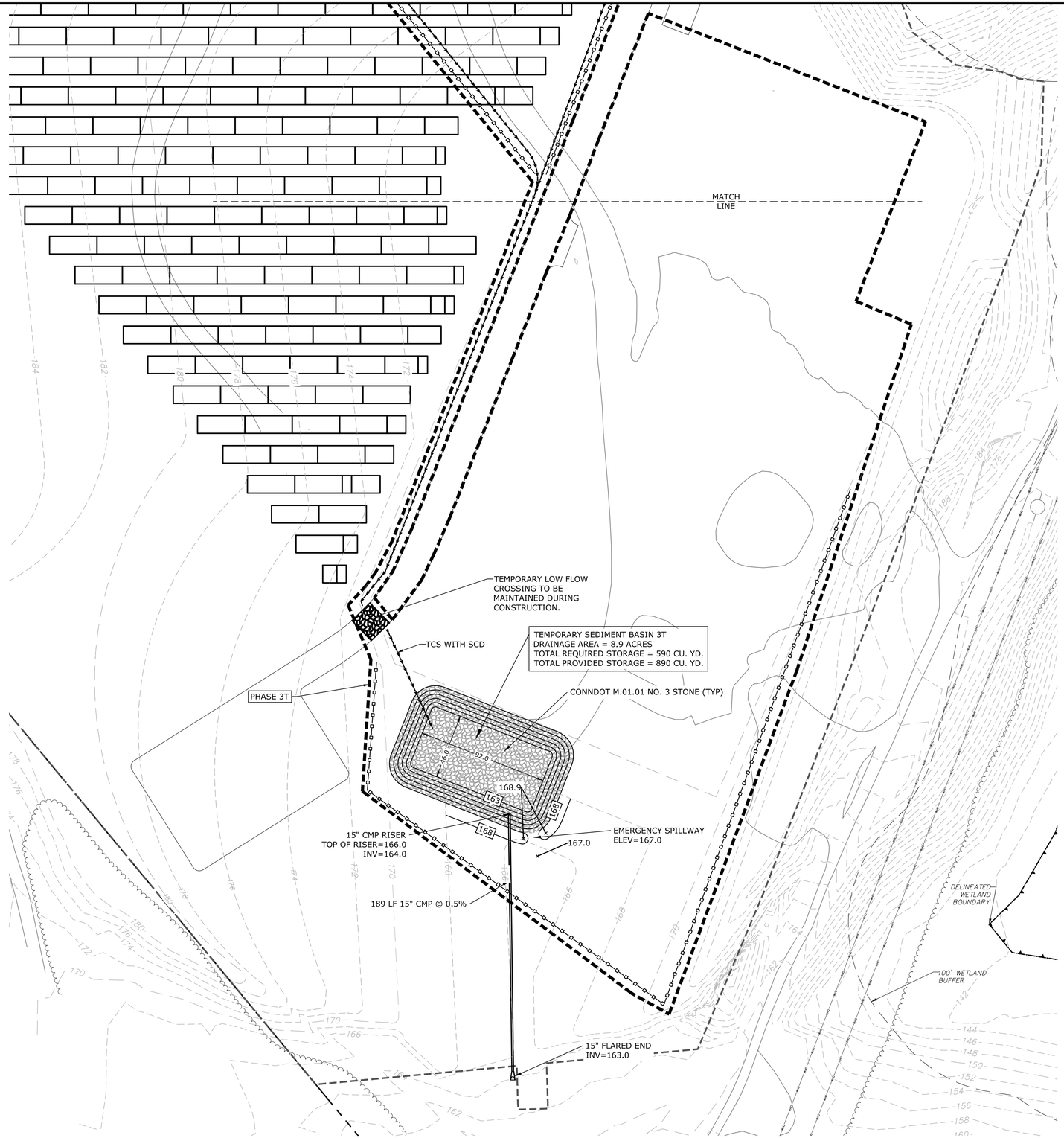
LEGEND

- PHASE LIMIT LINE
- FUTURE LIMIT OF SOLAR ARRAY
- PERIMETER EROSION CONTROL
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MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3TB

SCALE: 1" = 40'

SESC-56

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020-6:44pm By: AGilchrist
Tighe & Bond: C:\Users\AGilchrist\Documents\AutoCAD Sheets\SESC Plans_6.dwg

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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CONSTRUCTION PHASE 3

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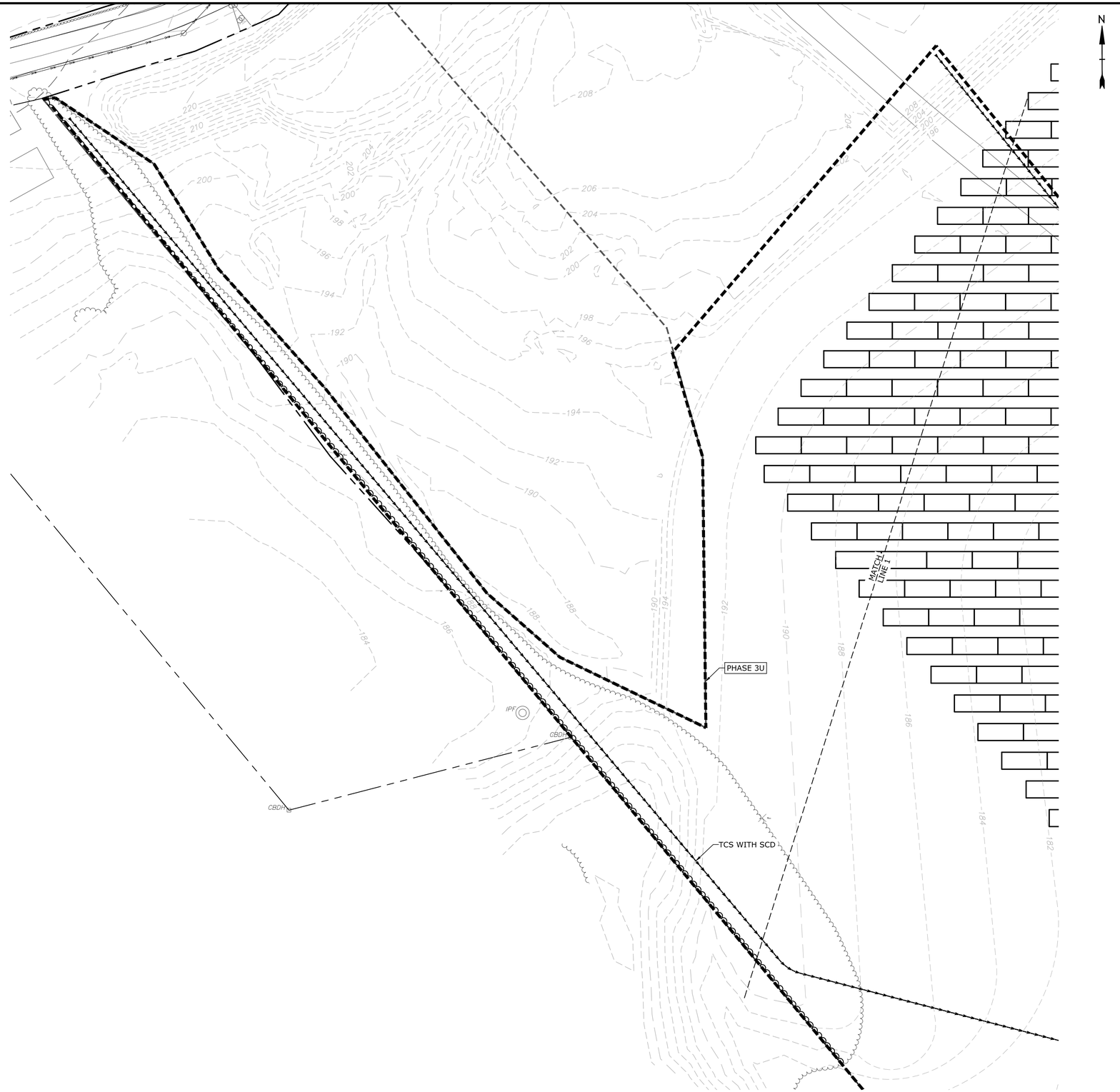
LEGEND

- PHASE LIMIT LINE
- FUTURE LIMIT OF SOLAR ARRAY
- PERIMETER EROSION CONTROL
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- EXISTING LIMIT OF VEGETATION
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S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE



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Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

PERMIT SET NOT FOR CONSTRUCTION

Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
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0 1 INCH
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MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE:	SESC Plans_6.dwg
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3UA

SCALE: 1" = 40'

SESC-57

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020-6:48pm By: AGilchrist
Tighe & Bond: C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

SESC NARRATIVE

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CONSTRUCTION PHASE 3

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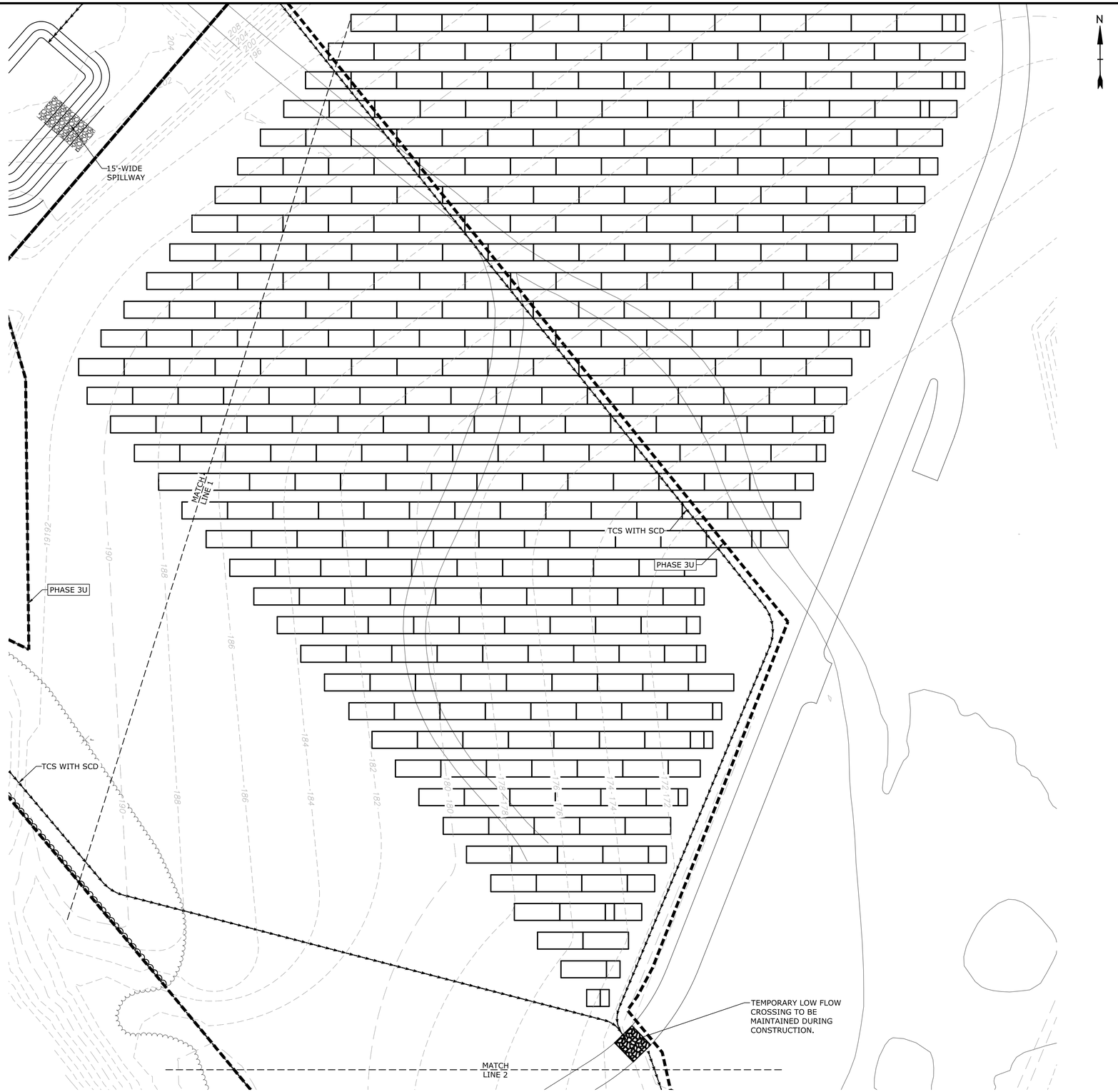
LEGEND

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S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE



SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

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STATE OF CONNECTICUT
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LICENSED PROFESSIONAL ENGINEER
4/30/20

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APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3UB

SCALE: 1" = 40'

SESC-58

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020-6:50pm By: AGilchrist
Tighe & Bond: C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

SESC NARRATIVE

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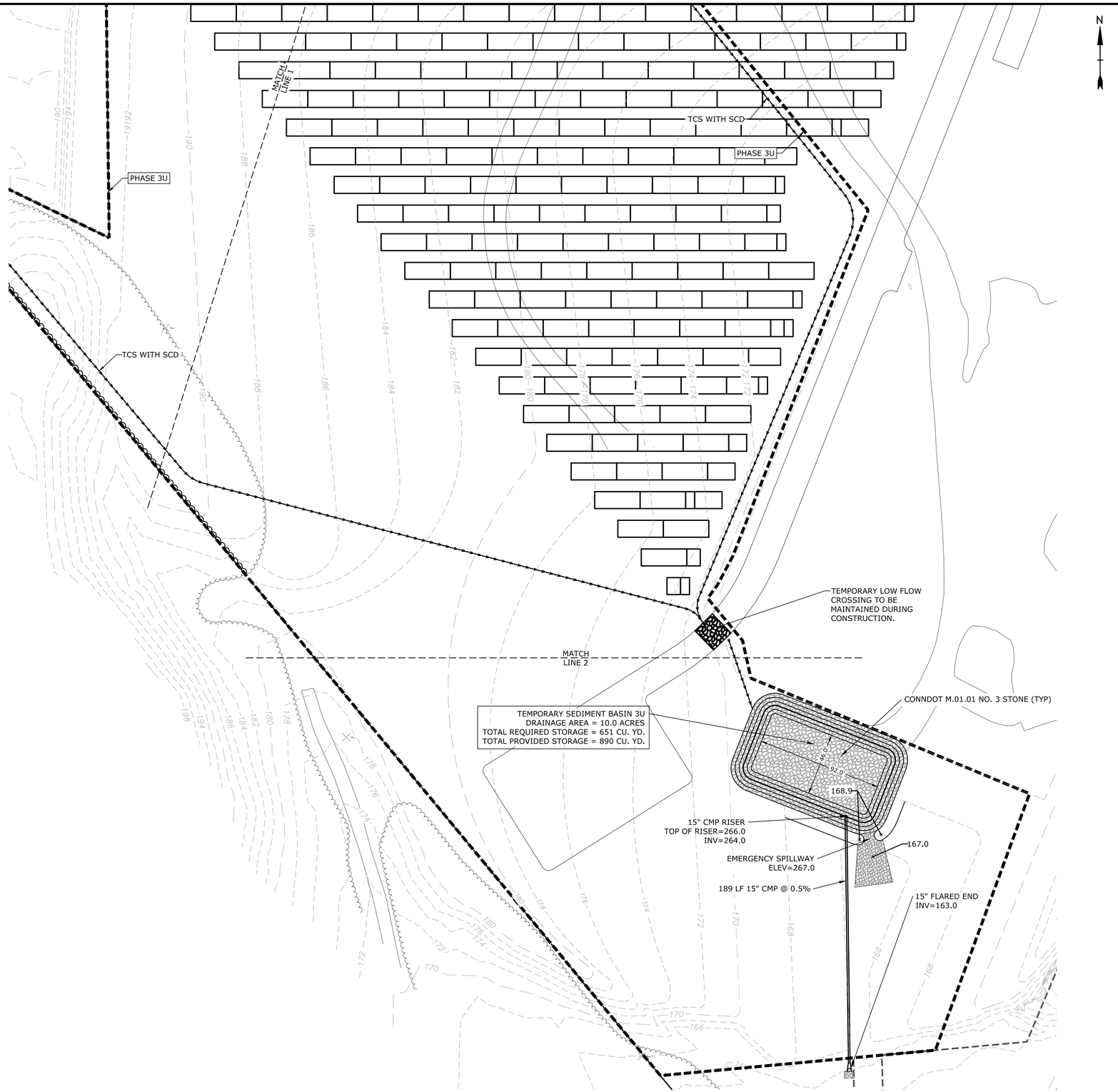
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Brooklyn & Canterbury, Connecticut

VERIFY SCALE
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MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
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CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3UC

SCALE: 1" = 40'

SESC-59

Last Saved: 4/28/2020
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Tighe&Bond
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

PERMIT SET
NOT FOR CONSTRUCTION

Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

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SOIL EROSION AND SEDIMENT CONTROL PLAN - PHASE 4 OVERALL

SCALE: 1" = 350'

SESC-60

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 6:54pm By: AGilchrist
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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 234 ACRES OF DISTURBANCE.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2020/2021, PER NDDB RECOMMENDATIONS.

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 AND BASIN 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 DESIGN INFORMATION.
5. 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 PLANS.
2. INSPECT AND CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS, DIVERSION SWALES AND BERMS WITH CHECK DAMS INSTALLED IN PHASE 2.
3. INSTALL SOLAR INFRASTRUCTURE, INCLUDING RACKING, SOLAR MODULES, UTILITY CONNECTIONS, AND EQUIPMENT PADS. SOLAR ARRAY CONSTRUCTION WILL BEGIN WITH POSTS OR GROUND SCREWS BEING DRIVEN INTO THE GROUND; RACKING WILL THEN BE AFFIXED TO THE POSTS; AND MODULES WILL BE MOUNTED AND INSTALLED ON THE RACKS.
4. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AUGMENT WITH ADDITIONAL SEEDING AS NEEDED.
5. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

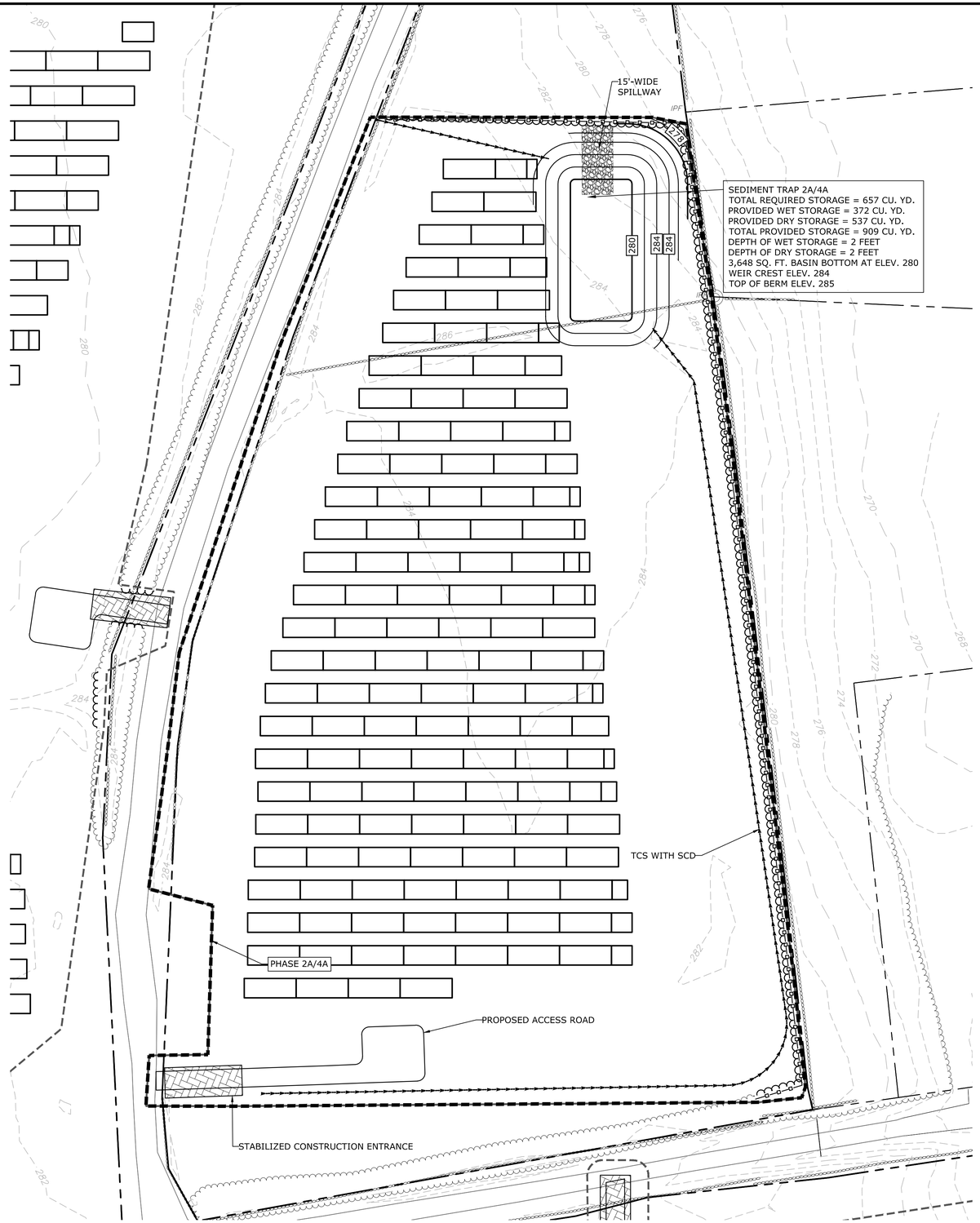
LEGEND

- 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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Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

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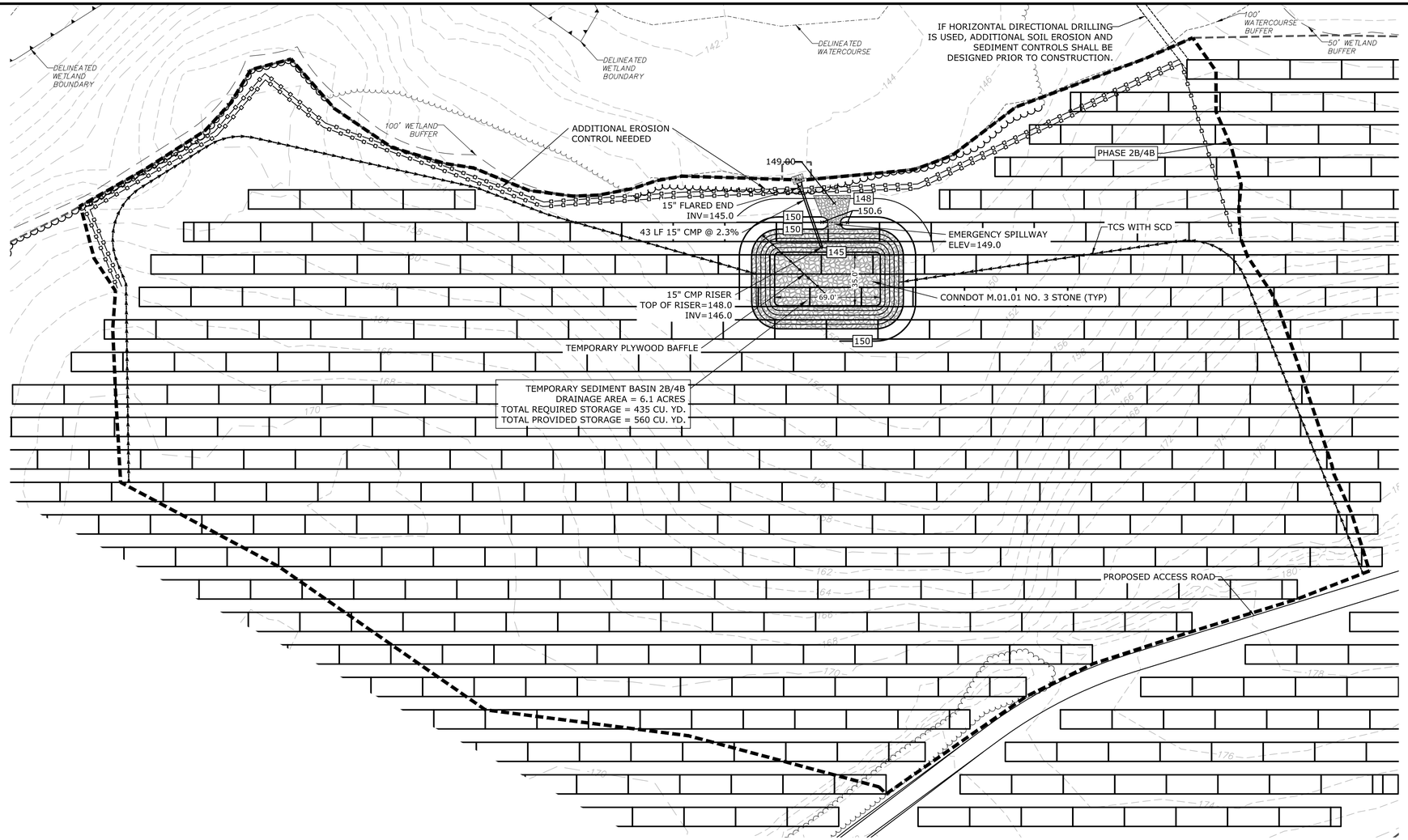
PROJECT NO:	R0317
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FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 4A

SCALE: 1" = 40'

SESC-61

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 6:57pm By: AGilchrist
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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 234 ACRES OF DISTURBANCE.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2020/2021, PER NDDB RECOMMENDATIONS.

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

GENERAL NOTES

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3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL DESIGN INFORMATION.
5. 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 PLANS.
2. INSPECT AND CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS, DIVERSION SWALES AND BERMS WITH CHECK DAMS INSTALLED IN PHASE 2.
3. INSTALL SOLAR INFRASTRUCTURE, INCLUDING RACKING, SOLAR MODULES, UTILITY CONNECTIONS, AND EQUIPMENT PADS. SOLAR ARRAY CONSTRUCTION WILL BEGIN WITH POSTS OR GROUND SCREWS BEING DRIVEN INTO THE GROUND; RACKING WILL THEN BE AFFIXED TO THE POSTS; AND MODULES WILL BE MOUNTED AND INSTALLED ON THE RACKS.
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5. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

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
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

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APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 4B

SCALE: 1" = 40'

SESC-62

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 7:01pm By: AGilchrist
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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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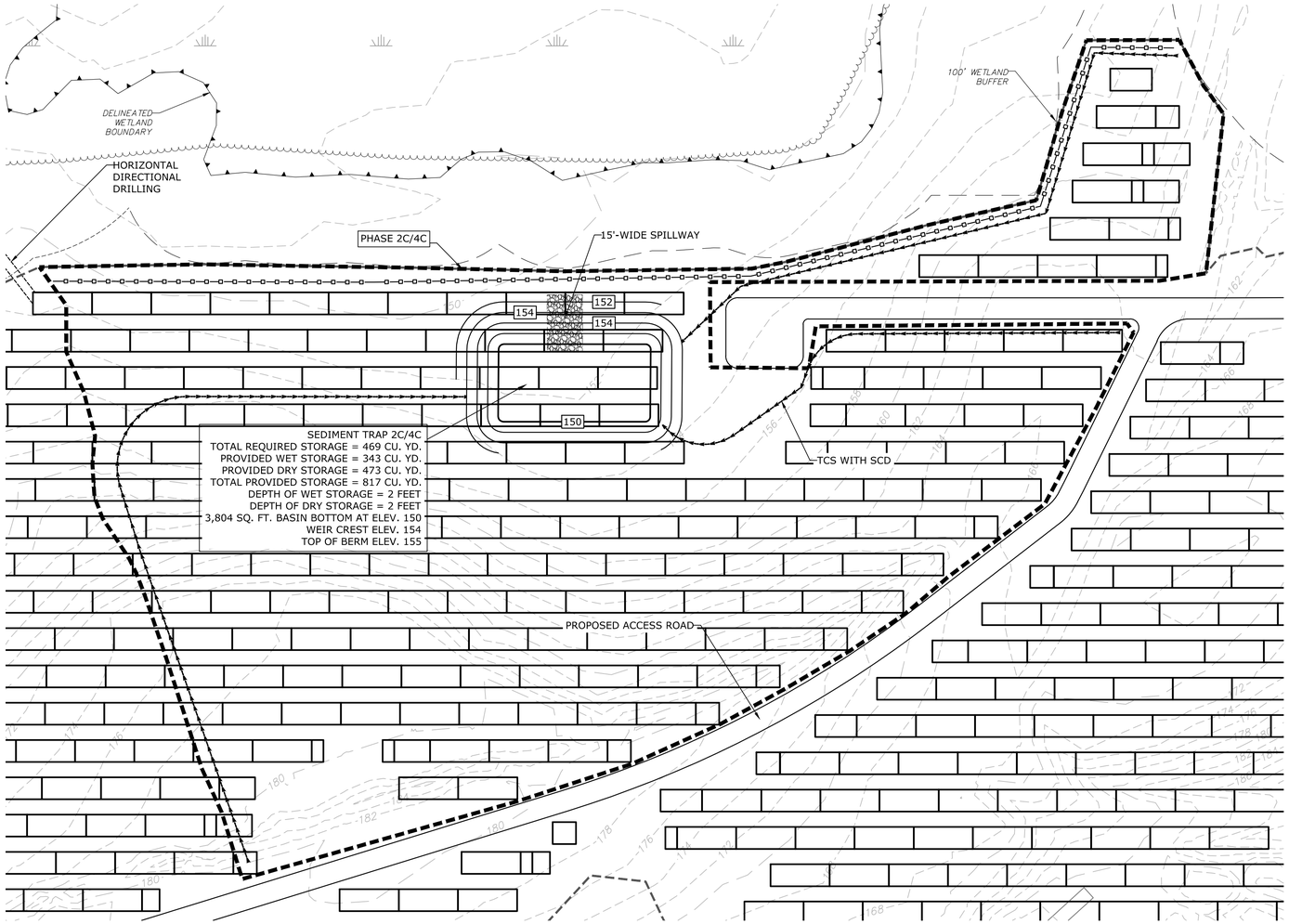
SEDIMENT TRAP AND BASIN SIZING CALCULATIONS ARE PROVIDED IN APPENDIX C OF THE STORMWATER POLLUTION CONTROL PLAN.

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.
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4. REFER TO CONSTRUCTION DRAWINGS FOR ALL DESIGN INFORMATION.
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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 PLANS.
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5. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.



SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

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
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

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PROJECT NO:	R0317
DATE:	04/2020
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CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 4C

SCALE: 1" = 40'

SESC-63

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 7:03pm By: AGilchrist
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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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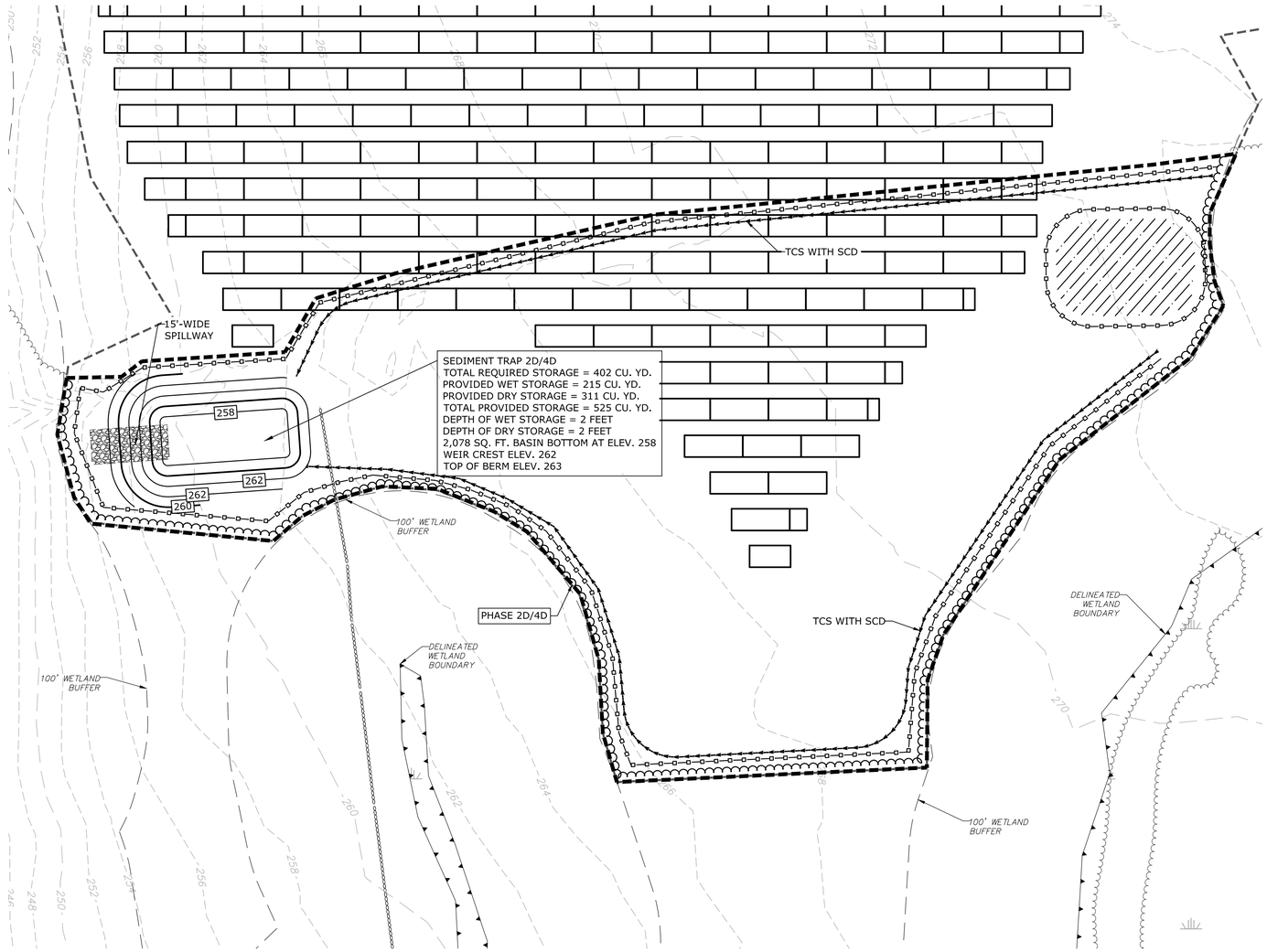
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GENERAL NOTES

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CONSTRUCTION PHASE 4

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LEGEND

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- 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
Engineers | Environmental Specialists

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4/30/20

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Brooklyn & Canterbury, Connecticut

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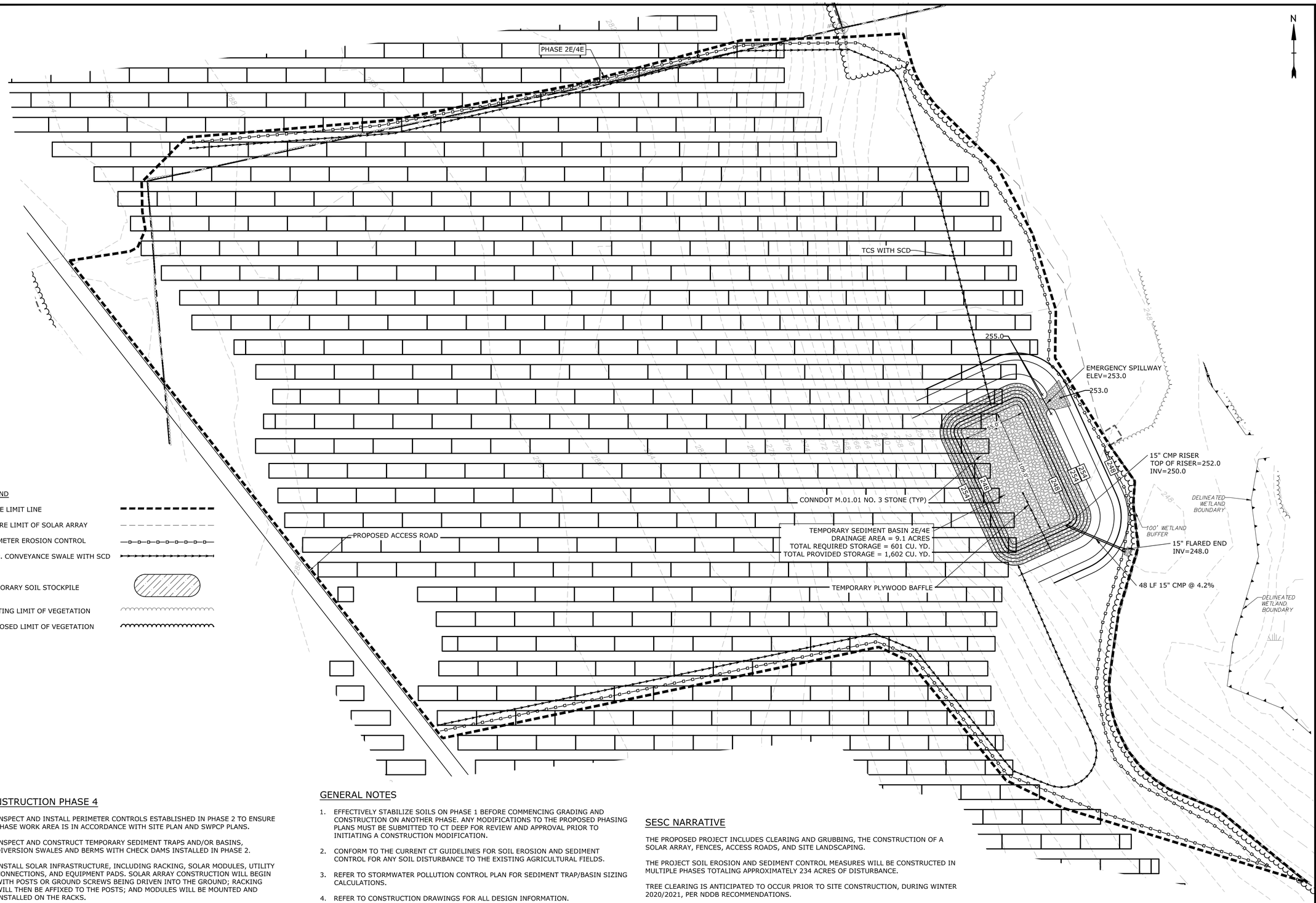
PROJECT NO:	R0317
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FILE: SESC Plans_6.dwg	
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CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 4D

SCALE: 1" = 40'

SESC-64

Last Saved: 4/28/2020
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LEGEND

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S&E CODES

SCD STONE CHECK DAM

TCS TEMP. CONVEYANCE SWALE

SESC NARRATIVE

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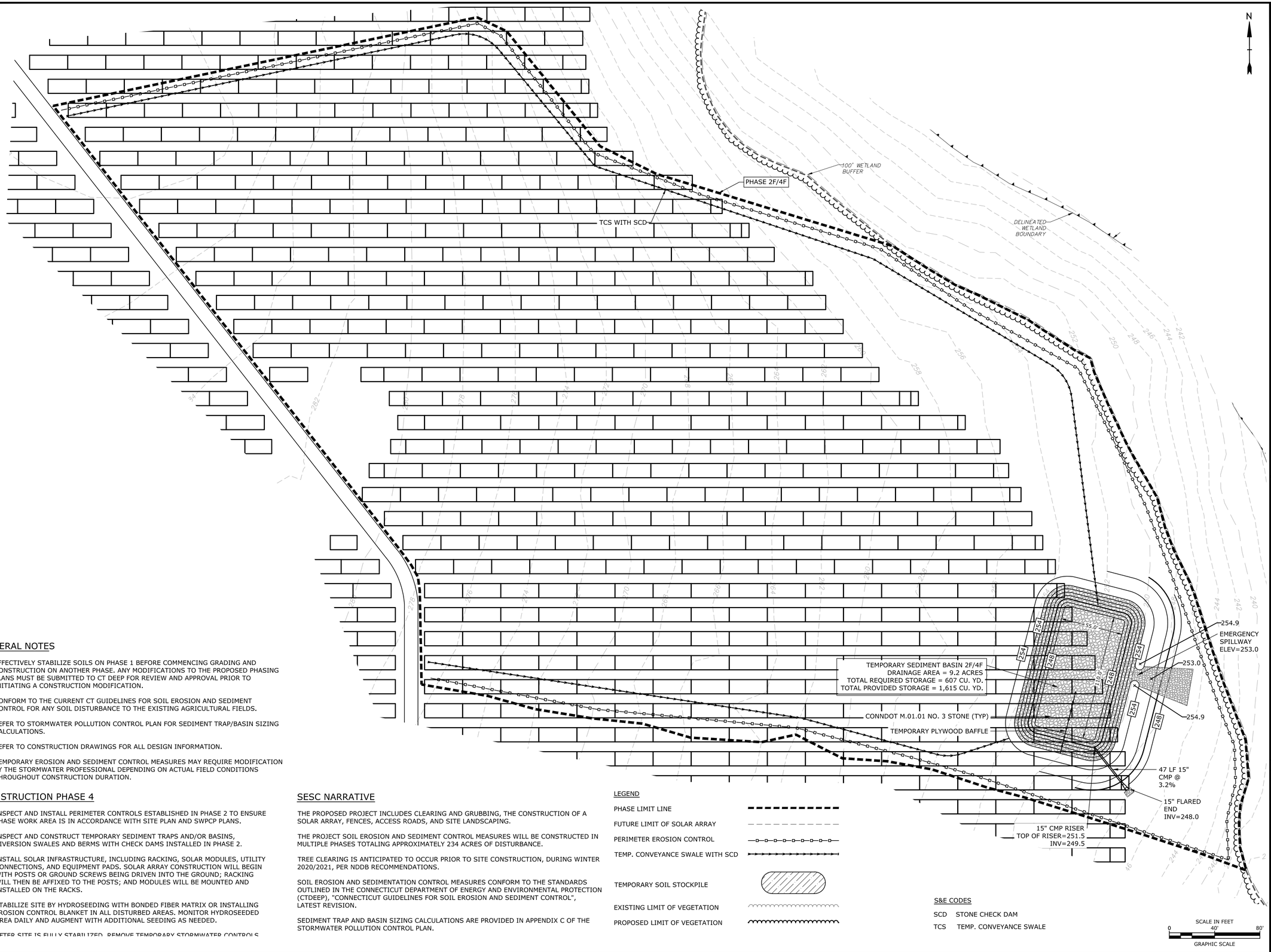
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DRAWN BY:	ALG
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APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 4E

SCALE: 1" = 40'

SESC-65

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 7:08pm By: AGilchrist
Tighe & Bond: C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg



GENERAL NOTES

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CONSTRUCTION PHASE 4

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2. INSPECT AND CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS, DIVERSION SWALES AND BERMS 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 AUGMENT WITH ADDITIONAL SEEDING AS NEEDED.
5. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS

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 234 ACRES OF DISTURBANCE.

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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 AND 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

Tighe&Bond
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE

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MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 4F

SCALE: 1" = 40'

SESC-66

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 7:11pm By: AGilchrist
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SESC NARRATIVE

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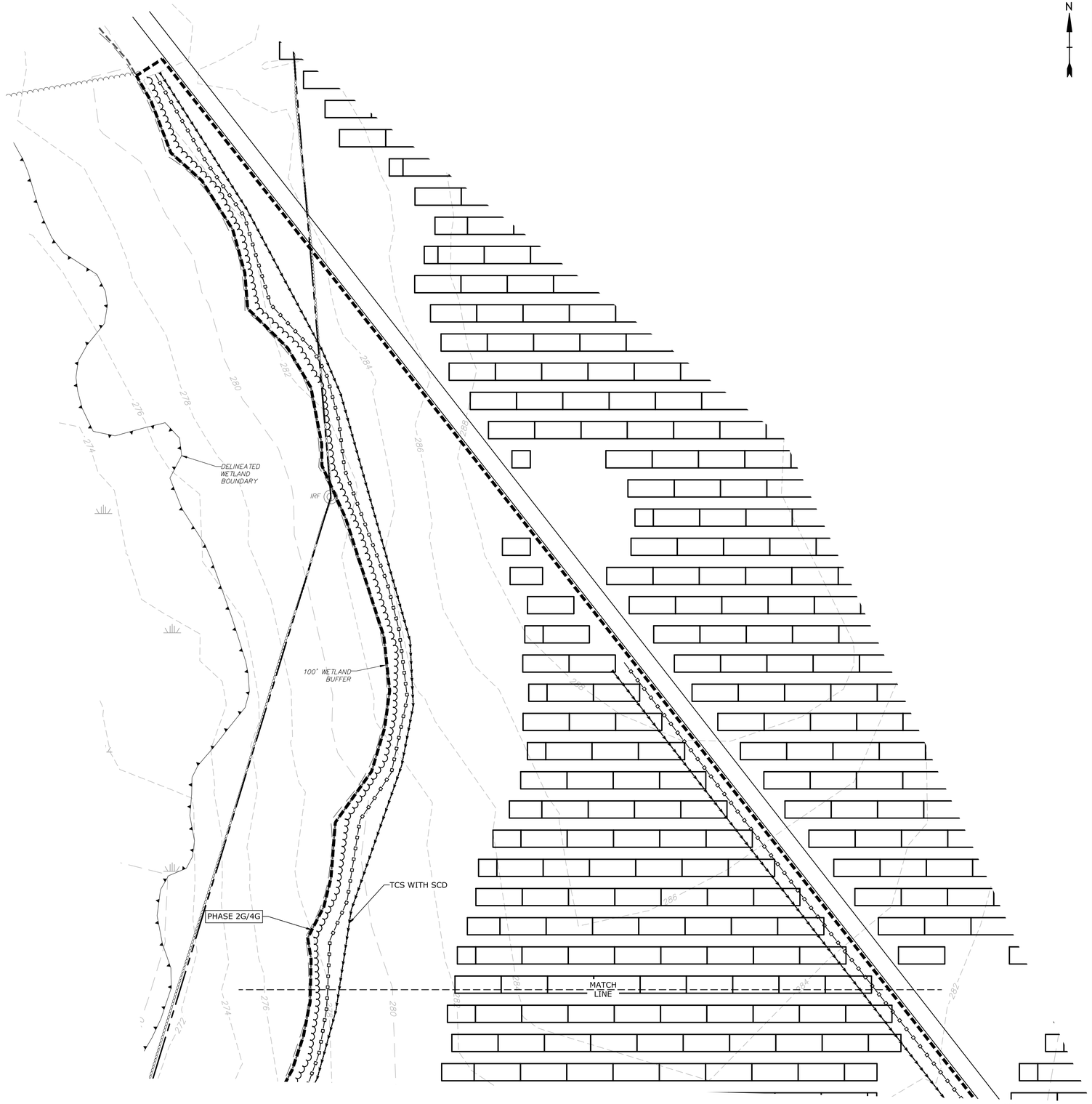
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S&E CODES

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TCS TEMP. CONVEYANCE SWALE



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Brooklyn & Canterbury, Connecticut

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SOIL EROSION AND SEDIMENT CONTROL PLAN - 4GA

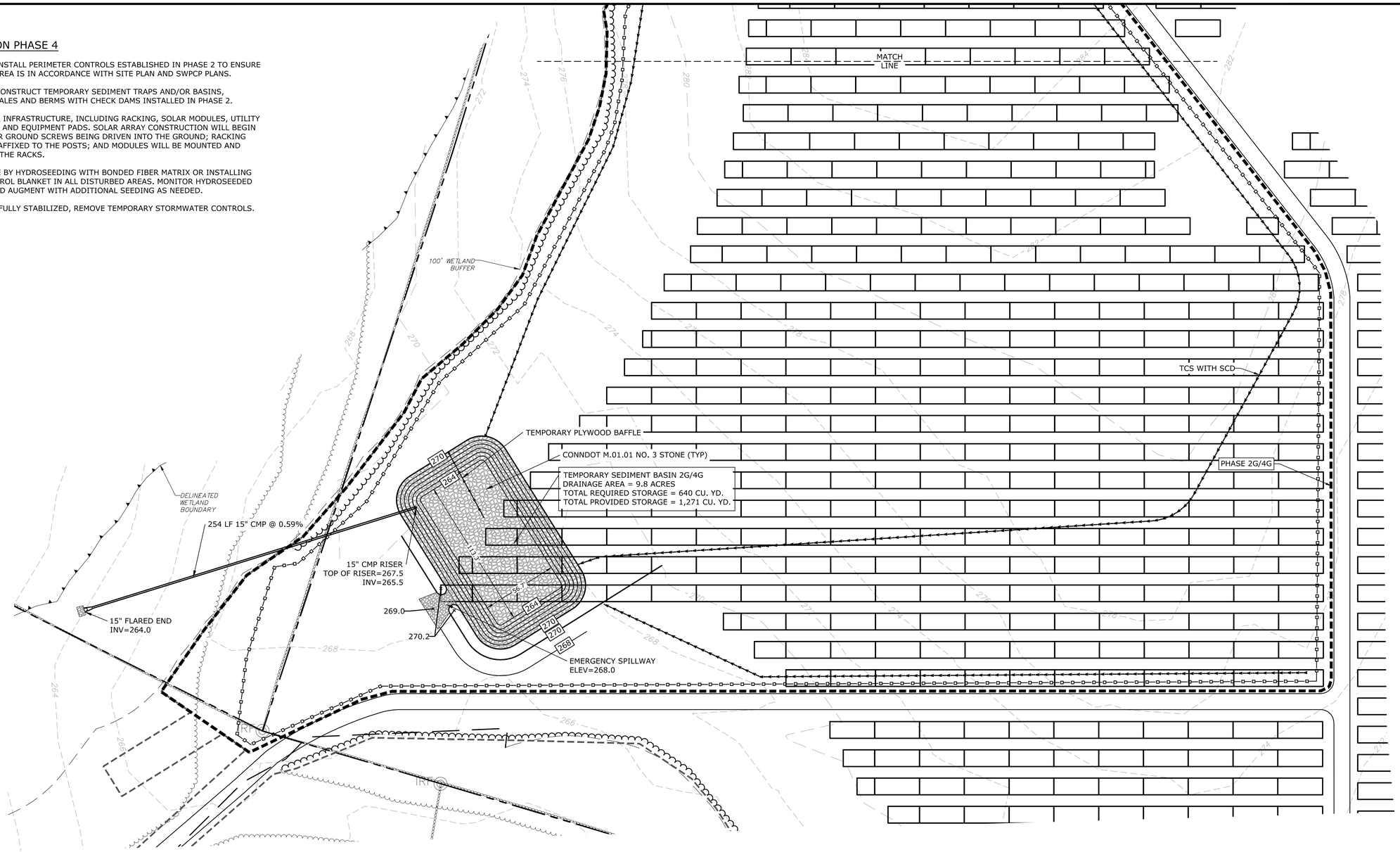
SCALE: 1" = 40'

SESC-67

Last Saved: 4/28/2020
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S&E CODES

SCD STONE CHECK DAM
TCS TEMP. CONVEYANCE SWALE

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

N

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Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Brooklyn & Canterbury, Connecticut

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APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 4GB

SCALE: 1" = 40'

SESC-68

Last Saved: 4/28/2020
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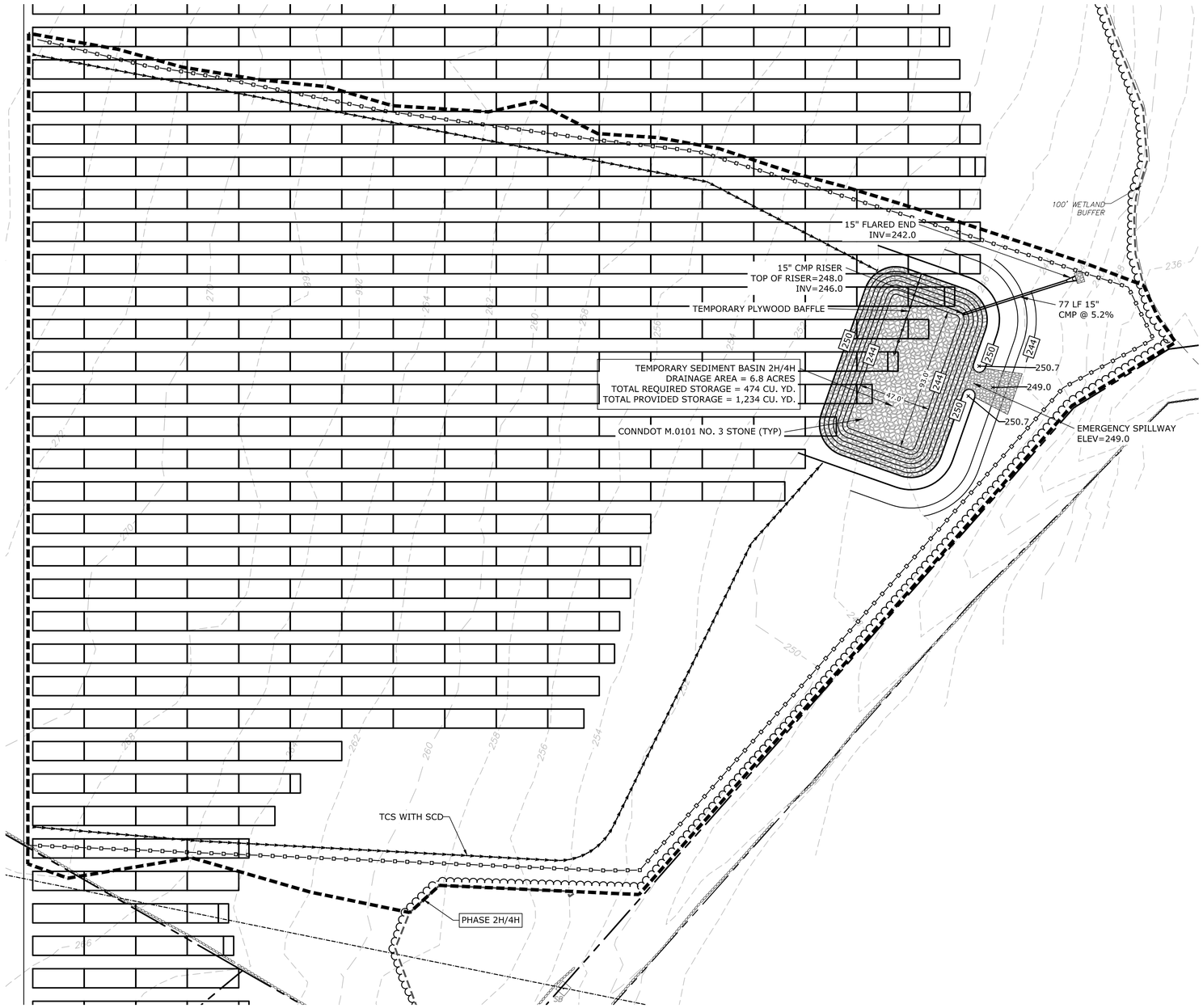
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S&E CODES

SCD STONE CHECK DAM
TCS TEMP. CONVEYANCE SWALE

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

Tighe&Bond
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

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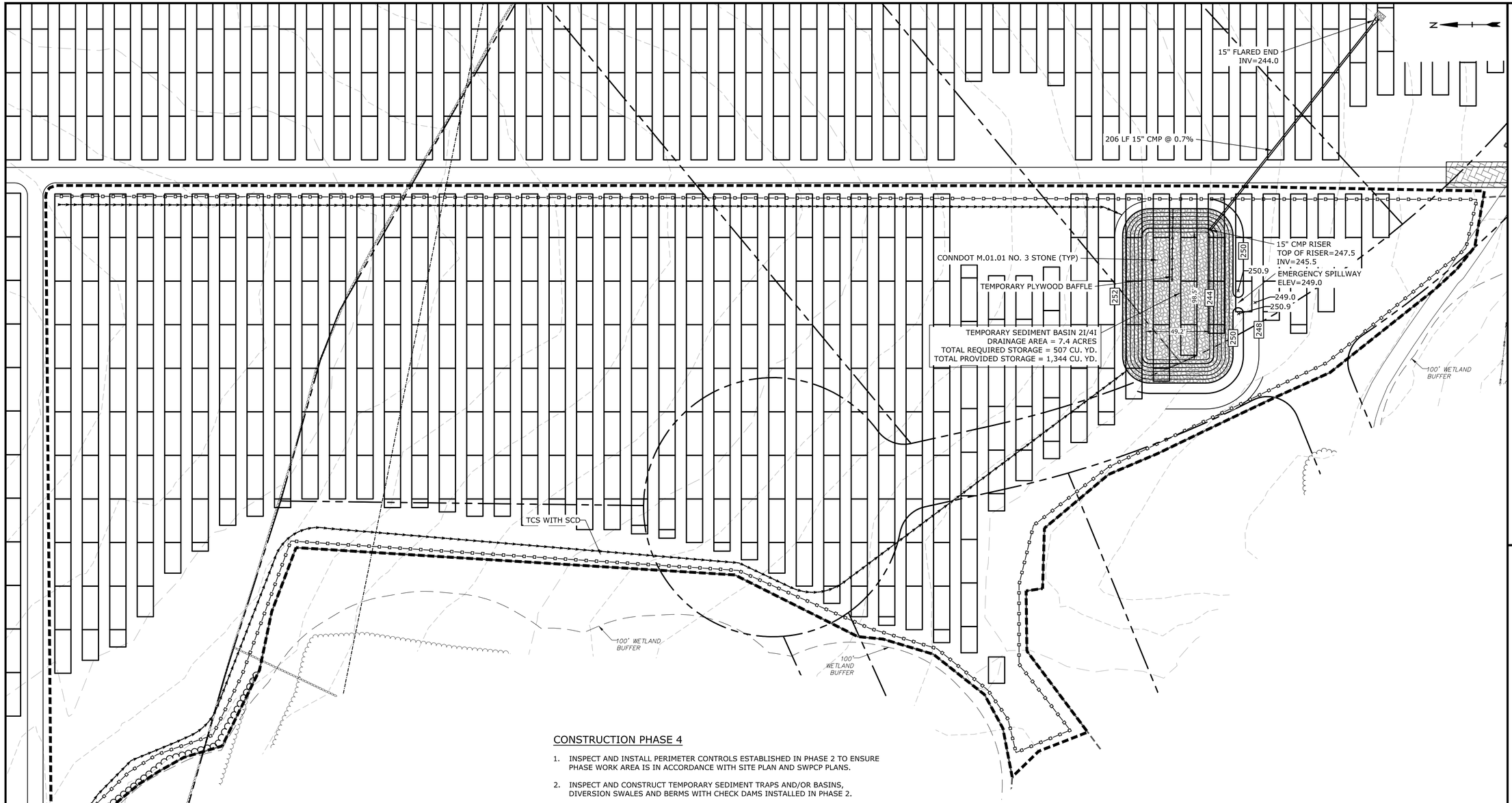
PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 4H

SCALE: 1" = 40'

SESC-69

Last Saved: 4/28/2020
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SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

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Engineers | Environmental Specialists

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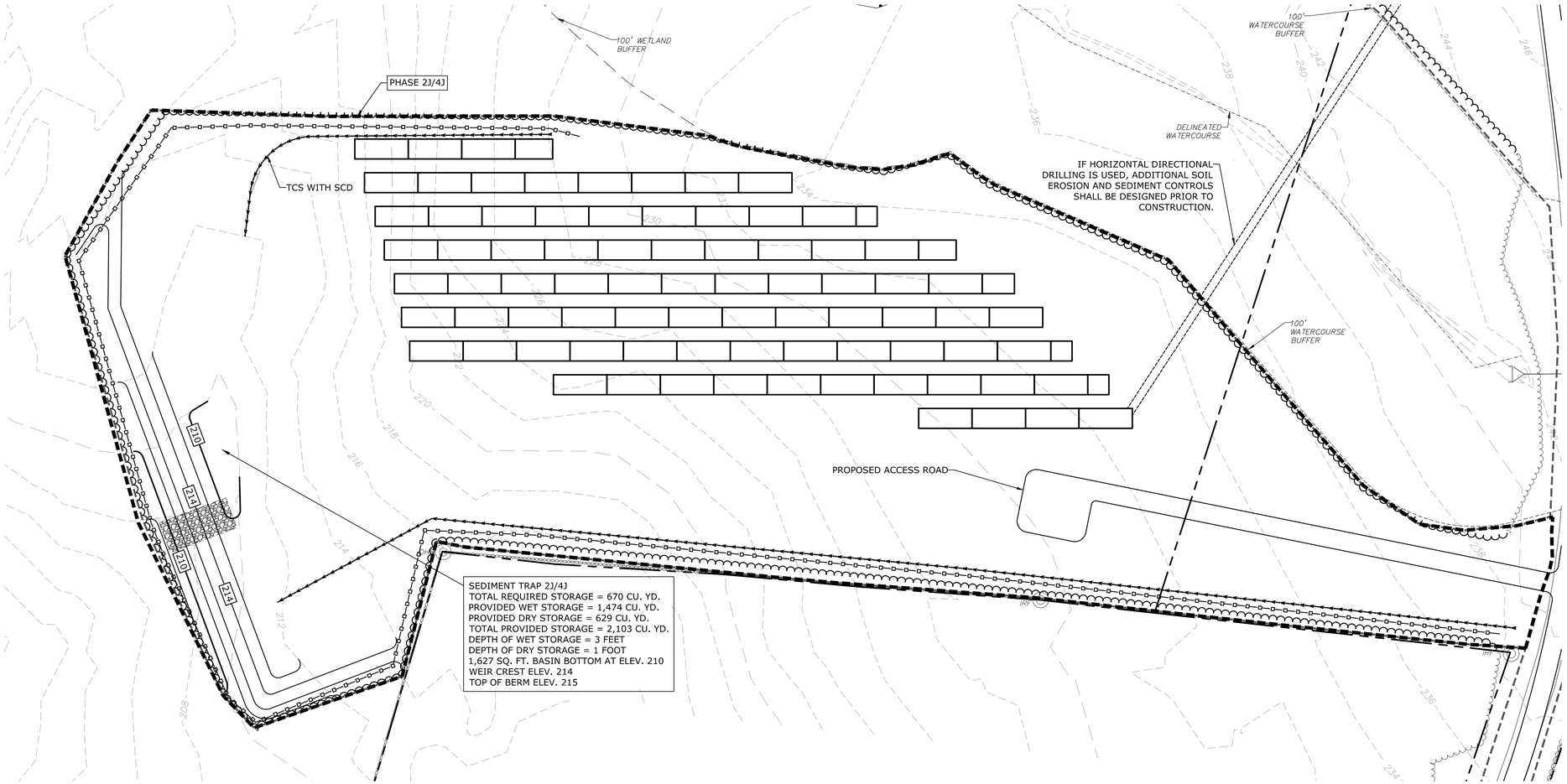
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SOIL EROSION AND SEDIMENT CONTROL PLAN - 4I

SCALE: 1" = 40'

SESC-70

Last Saved: 4/28/2020
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MARK	DATE	DESCRIPTION

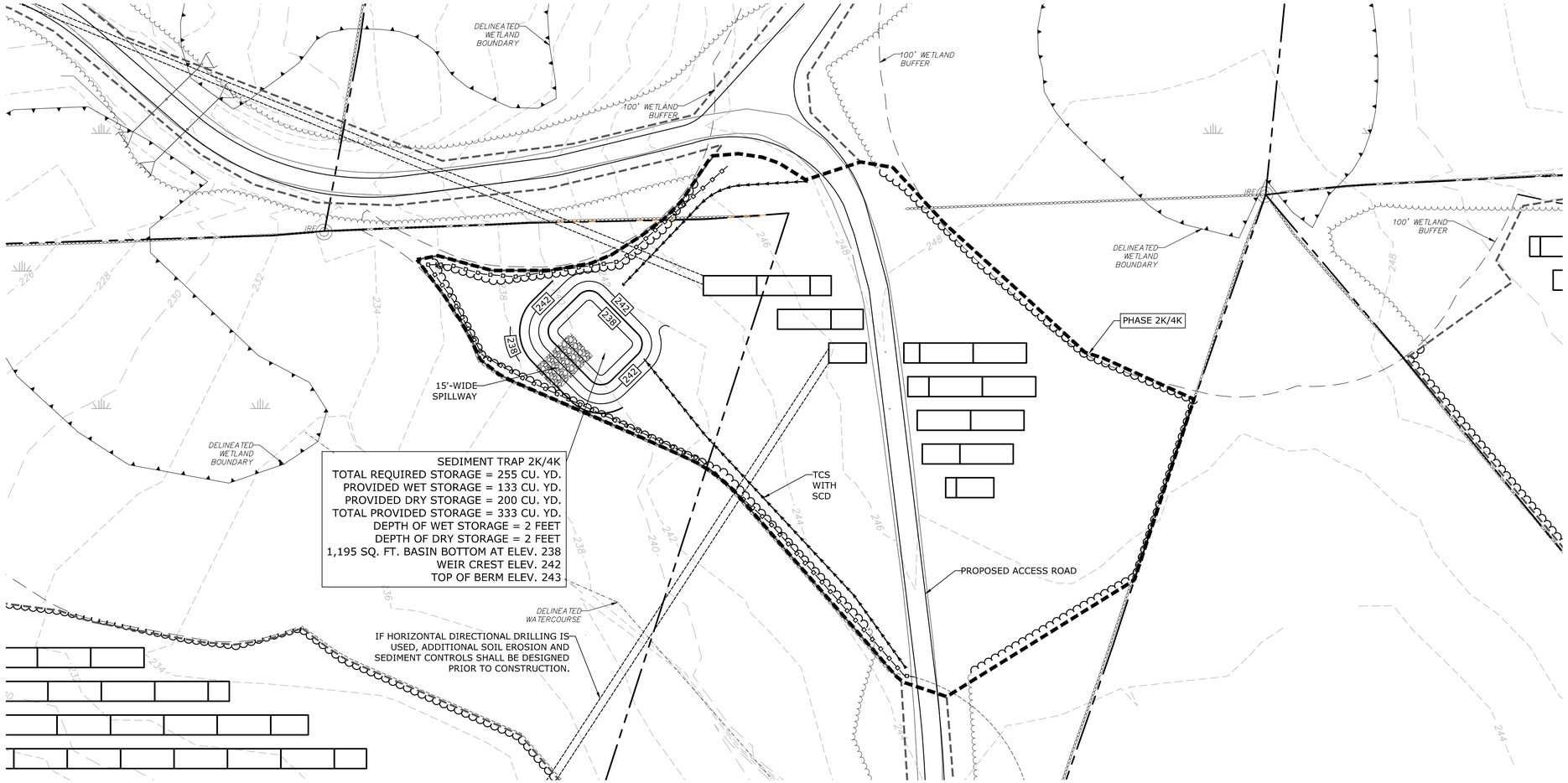
PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 4J

SCALE: 1" = 40'

SESC-71

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 7:23pm By: AGilchrist
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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 PLANS.
2. INSPECT AND CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS, DIVERSION SWALES AND BERMS WITH CHECK DAMS INSTALLED IN PHASE 2.
3. INSTALL SOLAR INFRASTRUCTURE, INCLUDING RACKING, SOLAR MODULES, UTILITY CONNECTIONS, AND EQUIPMENT PADS. SOLAR ARRAY CONSTRUCTION WILL BEGIN WITH POSTS OR GROUND SCREWS BEING DRIVEN INTO THE GROUND; RACKING WILL THEN BE AFFIXED TO THE POSTS; AND MODULES WILL BE MOUNTED AND INSTALLED ON THE RACKS.
4. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AUGMENT WITH ADDITIONAL SEEDING AS NEEDED.
5. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

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 DESIGN INFORMATION.
5. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

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 234 ACRES OF DISTURBANCE.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2020/2021, PER NDDB RECOMMENDATIONS.

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 AND 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

N

Tighe&Bond
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

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MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 4K

SCALE: 1" = 40'

SESC-72

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 7:26pm By: AGilchrist
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SESC NARRATIVE

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4. REFER TO CONSTRUCTION DRAWINGS FOR ALL DESIGN INFORMATION.
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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 PLANS.
2. INSPECT AND CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS, DIVERSION SWALES AND BERMS WITH CHECK DAMS INSTALLED IN PHASE 2.
3. INSTALL SOLAR INFRASTRUCTURE, INCLUDING RACKING, SOLAR MODULES, UTILITY CONNECTIONS, AND EQUIPMENT PADS. SOLAR ARRAY CONSTRUCTION WILL BEGIN WITH POSTS OR GROUND SCREWS BEING DRIVEN INTO THE GROUND; RACKING WILL THEN BE AFFIXED TO THE POSTS; AND MODULES WILL BE MOUNTED AND INSTALLED ON THE RACKS.
4. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AUGMENT WITH ADDITIONAL SEEDING AS NEEDED.
5. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

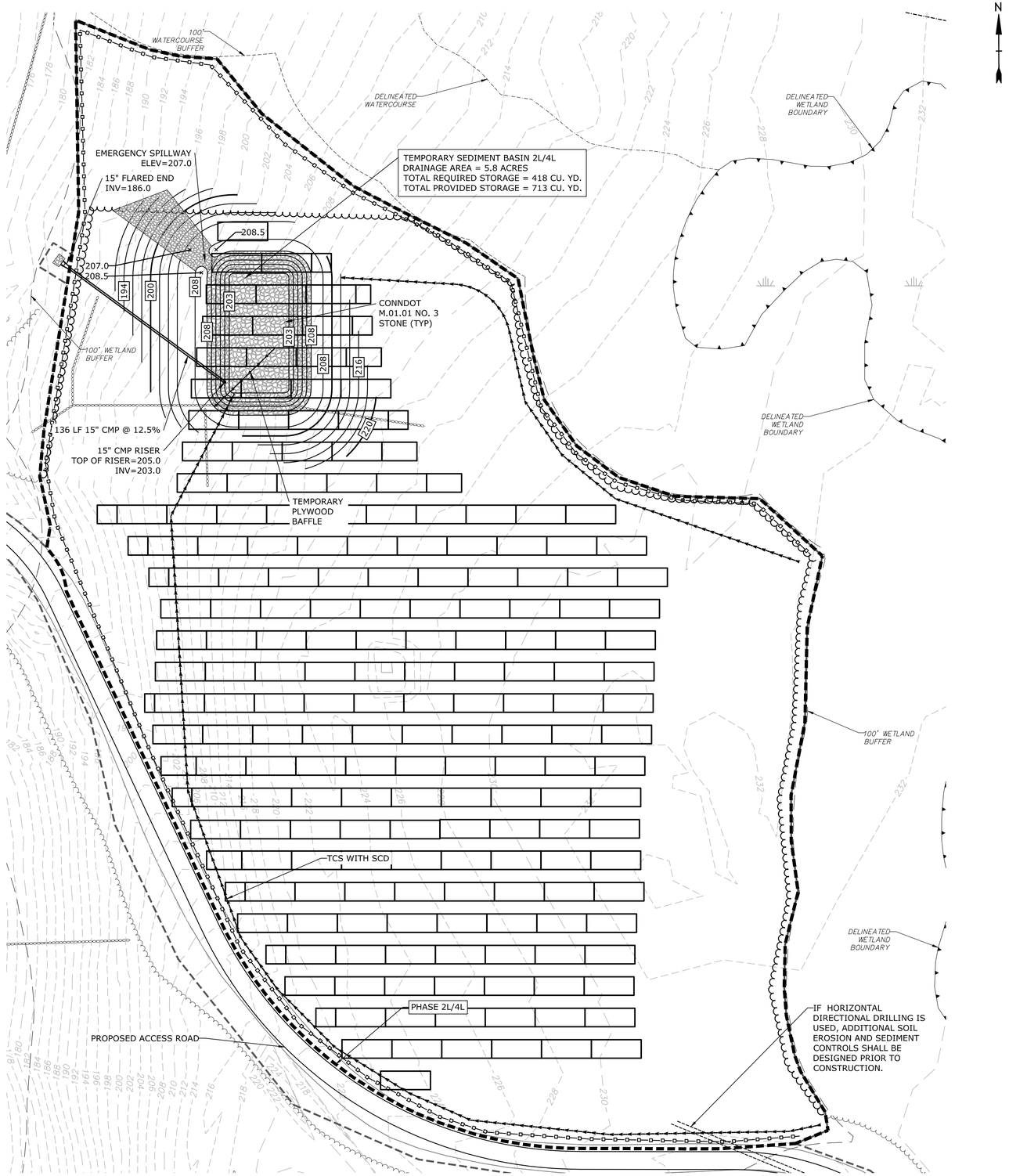
LEGEND

- 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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Brooklyn & Canterbury, Connecticut

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DATE:	04/2020
FILE: SESC Plans_6.dwg	
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APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 4L

SCALE: 1" = 40'

SESC-73

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 7:29pm By: AGilchrist
Tighe & Bond: C:\Users\AGilchrist\Documents\AutoCAD\Sheet\SESC Plans_6.dwg

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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GENERAL NOTES

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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 AUGMENT WITH ADDITIONAL SEEDING AS NEEDED.
5. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

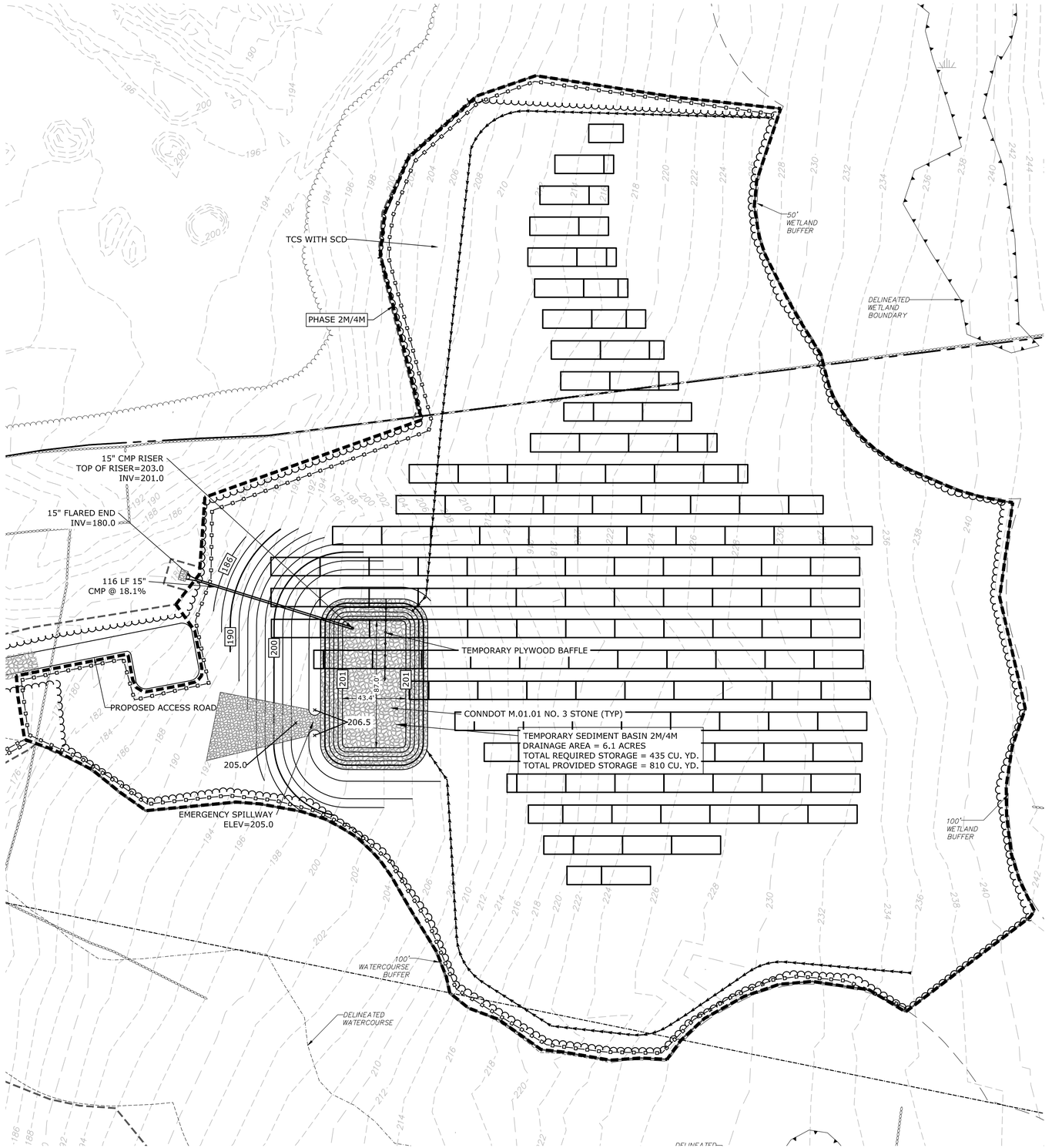
LEGEND

- 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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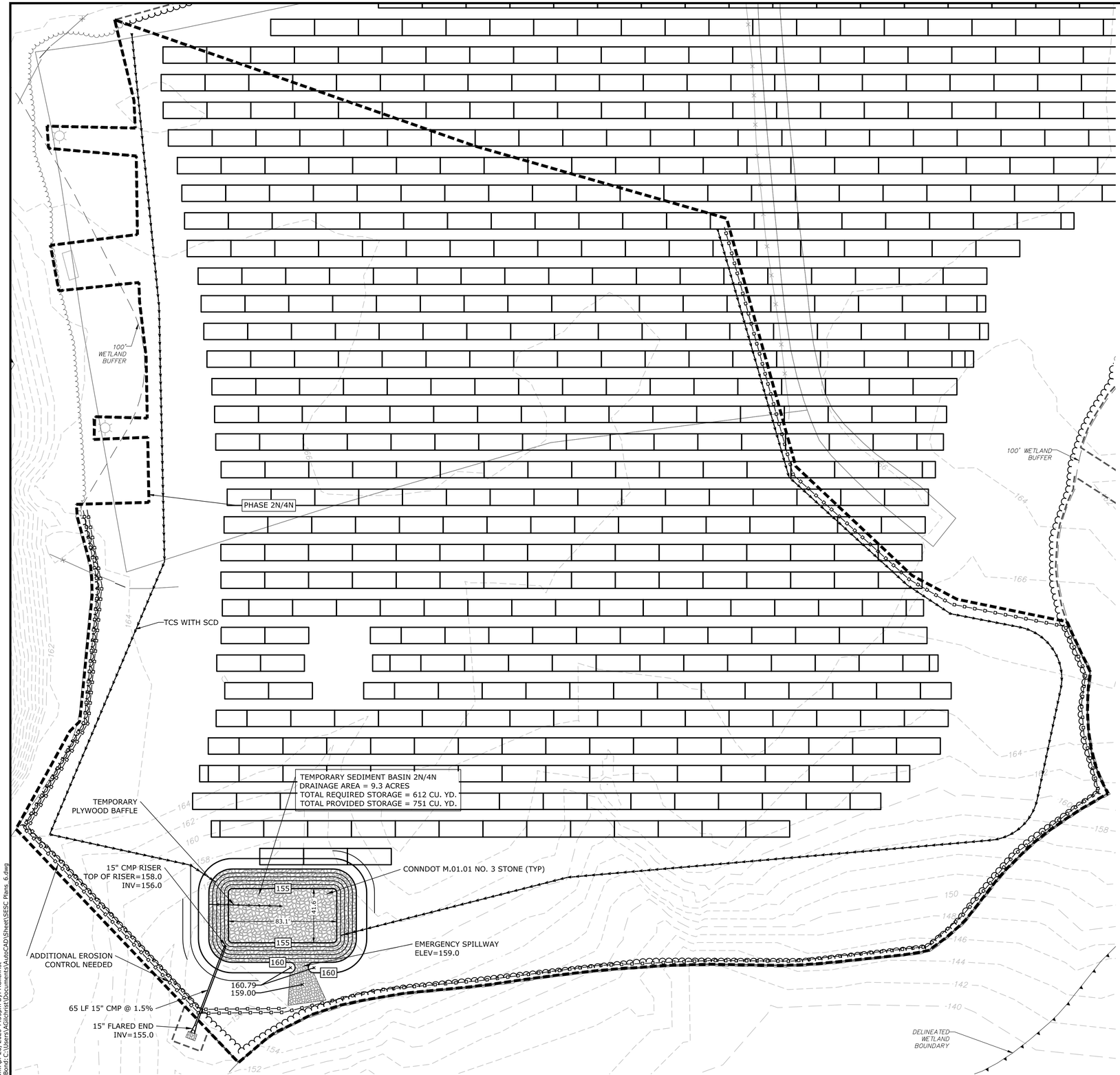
PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 4M

SCALE: 1" = 40'

SESC-74

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 7:31pm By: AGilchrist
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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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GENERAL NOTES

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3. REFER TO STORMWATER POLLUTION CONTROL PLAN FOR SEDIMENT TRAP/BASIN SIZING CALCULATIONS.
4. REFER TO CONSTRUCTION DRAWINGS FOR ALL DESIGN INFORMATION.
5. 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 PLANS.
2. INSPECT AND CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS, DIVERSION SWALES AND BERMS WITH CHECK DAMS INSTALLED IN PHASE 2.
3. INSTALL SOLAR INFRASTRUCTURE, INCLUDING RACKING, SOLAR MODULES, UTILITY CONNECTIONS, AND EQUIPMENT PADS. SOLAR ARRAY CONSTRUCTION WILL BEGIN WITH POSTS OR GROUND SCREWS BEING DRIVEN INTO THE GROUND; RACKING WILL THEN BE AFFIXED TO THE POSTS; AND MODULES WILL BE MOUNTED AND INSTALLED ON THE RACKS.
4. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AUGMENT WITH ADDITIONAL SEEDING AS NEEDED.
5. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

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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STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Brooklyn & Canterbury, Connecticut

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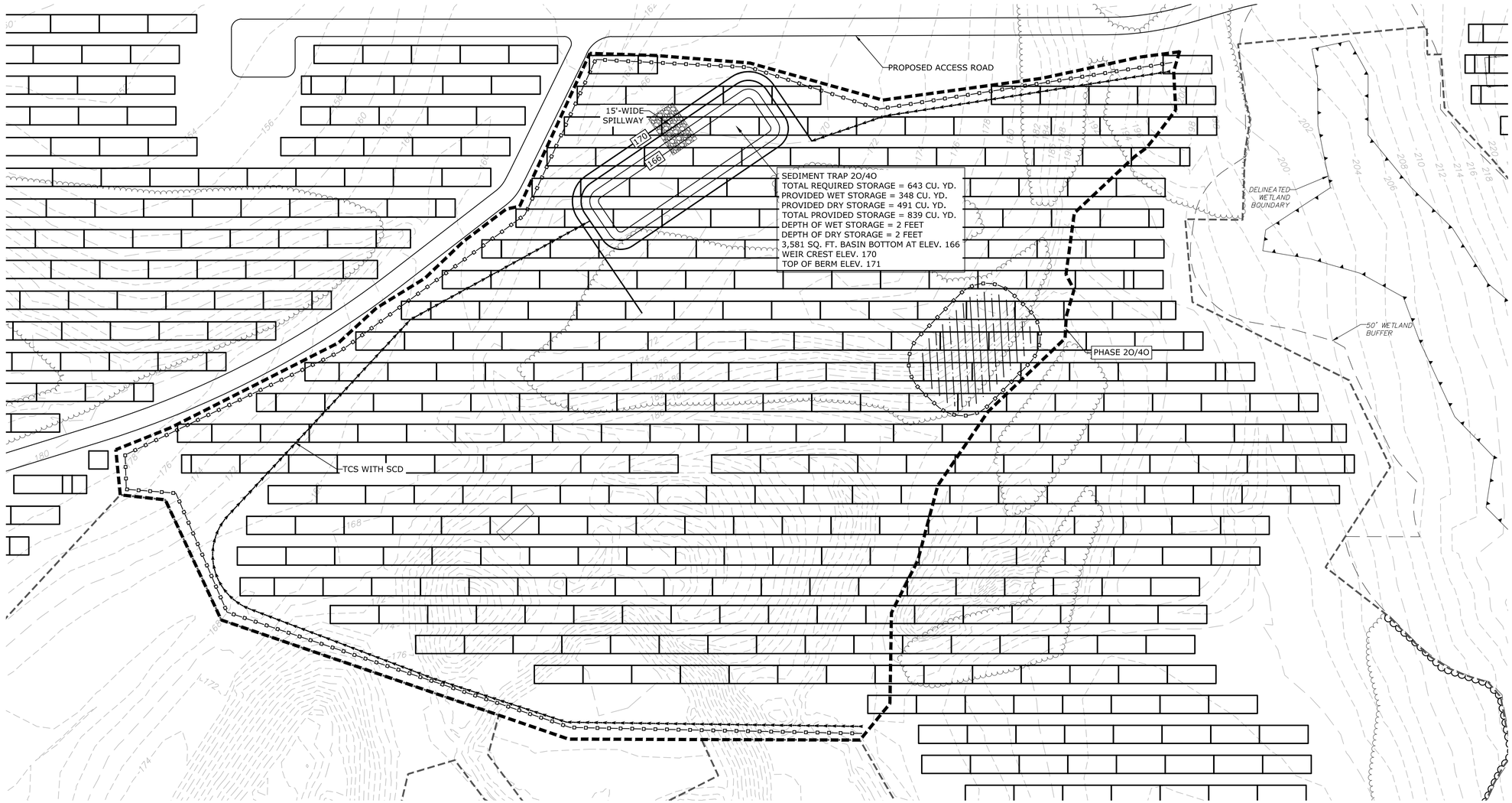
PROJECT NO:	R0317
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APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 4N

SCALE: 1" = 40'

SESC-75

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 7:33pm By: AGilchrist
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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 PLANS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS, SUCH AS TEMPORARY DIVERSION AND 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 STABILIZED MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS, DIVERSION SWALES AND BERMS WITH CHECK DAMS.
5. ONCE TEMPORARY STORMWATER CONTROLS ARE ESTABLISHED, GRUB EXISTING STUMPS FROM PREVIOUSLY CLEARED TREES.
6. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL GROUND-DISTURBED AREAS. MONITOR HYDROSEEDED AREA AND AUGMENT WITH ADDITIONAL SEEDING AS NEEDED.
7. CHECK AND REPAIR TEMPORARY CONTROLS AS NEEDED. TEMPORARY CONTROLS TO REMAIN IN PLACE THROUGH PHASE 4 CONSTRUCTION.

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.
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SESC NARRATIVE

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LEGEND

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- TEMP. CONVEYANCE SWALE WITH SCD
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S&E CODES

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SCALE IN FEET
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GRAPHIC SCALE

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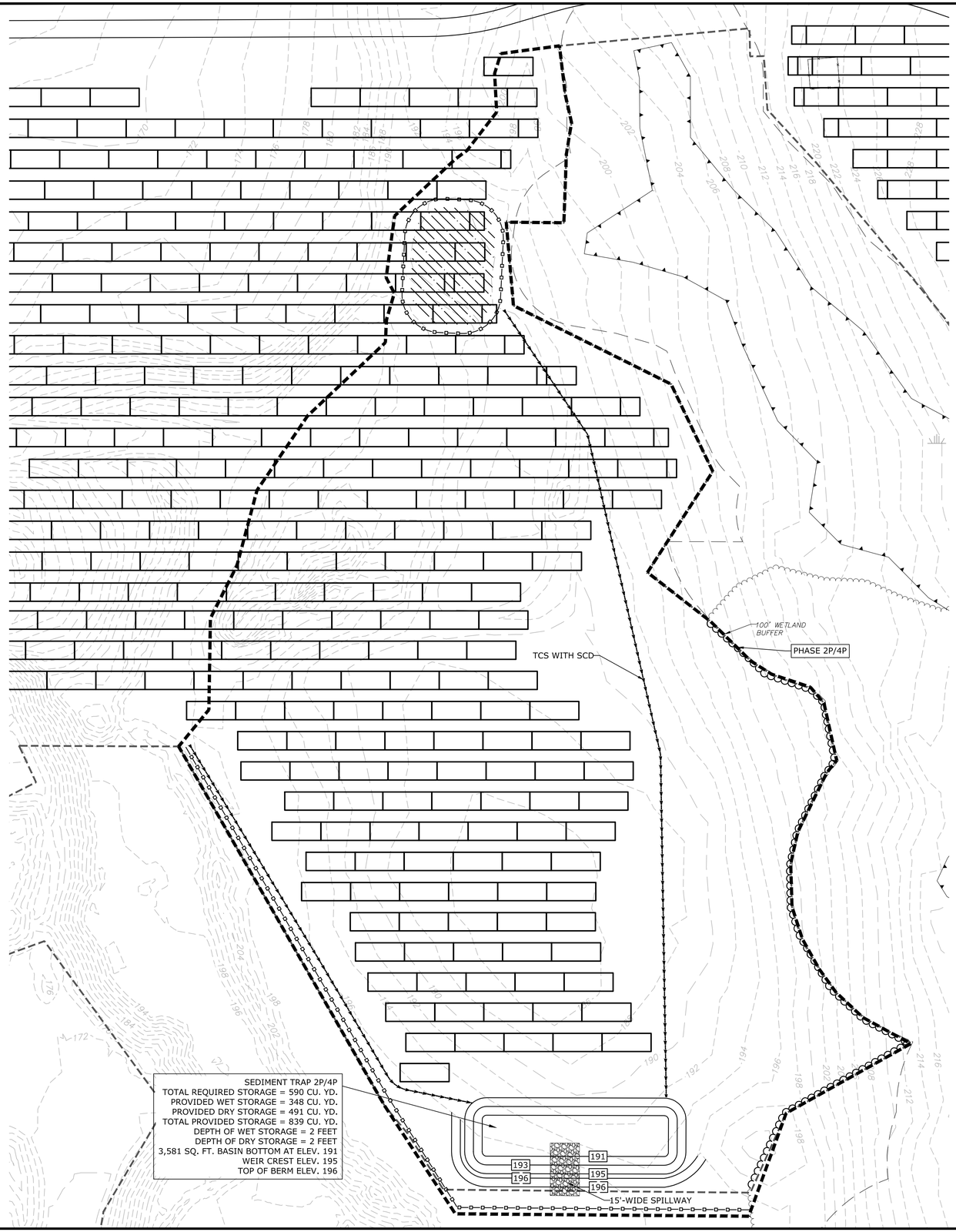
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APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 4O

SCALE: 1" = 40'

SESC-76

Last Saved: 4/28/2020
Plotted On: Apr 28, 2020 - 7:36pm By: AGilchrist
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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 PLANS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS, SUCH AS TEMPORARY DIVERSION AND 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 STABILIZED MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS, DIVERSION SWALES AND BERMS WITH CHECK DAMS.
5. ONCE TEMPORARY STORMWATER CONTROLS ARE ESTABLISHED, GRUB EXISTING STUMPS FROM PREVIOUSLY CLEARED TREES.
6. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL GROUND-DISTURBED AREAS. MONITOR HYDROSEEDED AREA AND AUGMENT WITH ADDITIONAL SEEDING AS NEEDED.
7. CHECK AND REPAIR TEMPORARY CONTROLS AS NEEDED. 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

N

Tighe&Bond
Engineers | Environmental Specialists

STATE OF CONNECTICUT
BRIAN S. HUNTLEY
No. 31180
LICENSED PROFESSIONAL ENGINEER
4/30/20

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Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn & Canterbury, Connecticut

VERIFY SCALE
BAR IS 1 INCH ON ORIGINAL DRAWING
0 1 INCH
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

MARK	DATE	DESCRIPTION

PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 4P

SCALE: 1" = 40'

SESC-77

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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 234 ACRES OF DISTURBANCE.

TREE CLEARING IS ANTICIPATED TO OCCUR PRIOR TO SITE CONSTRUCTION, DURING WINTER 2020/2021, PER NDDB RECOMMENDATIONS.

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 AND BASIN 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 DESIGN INFORMATION.
5. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MODIFICATION BY THE STORMWATER PROFESSIONAL DEPENDING ON ACTUAL FIELD CONDITIONS THROUGHOUT CONSTRUCTION DURATION.

CONSTRUCTION PHASE 3

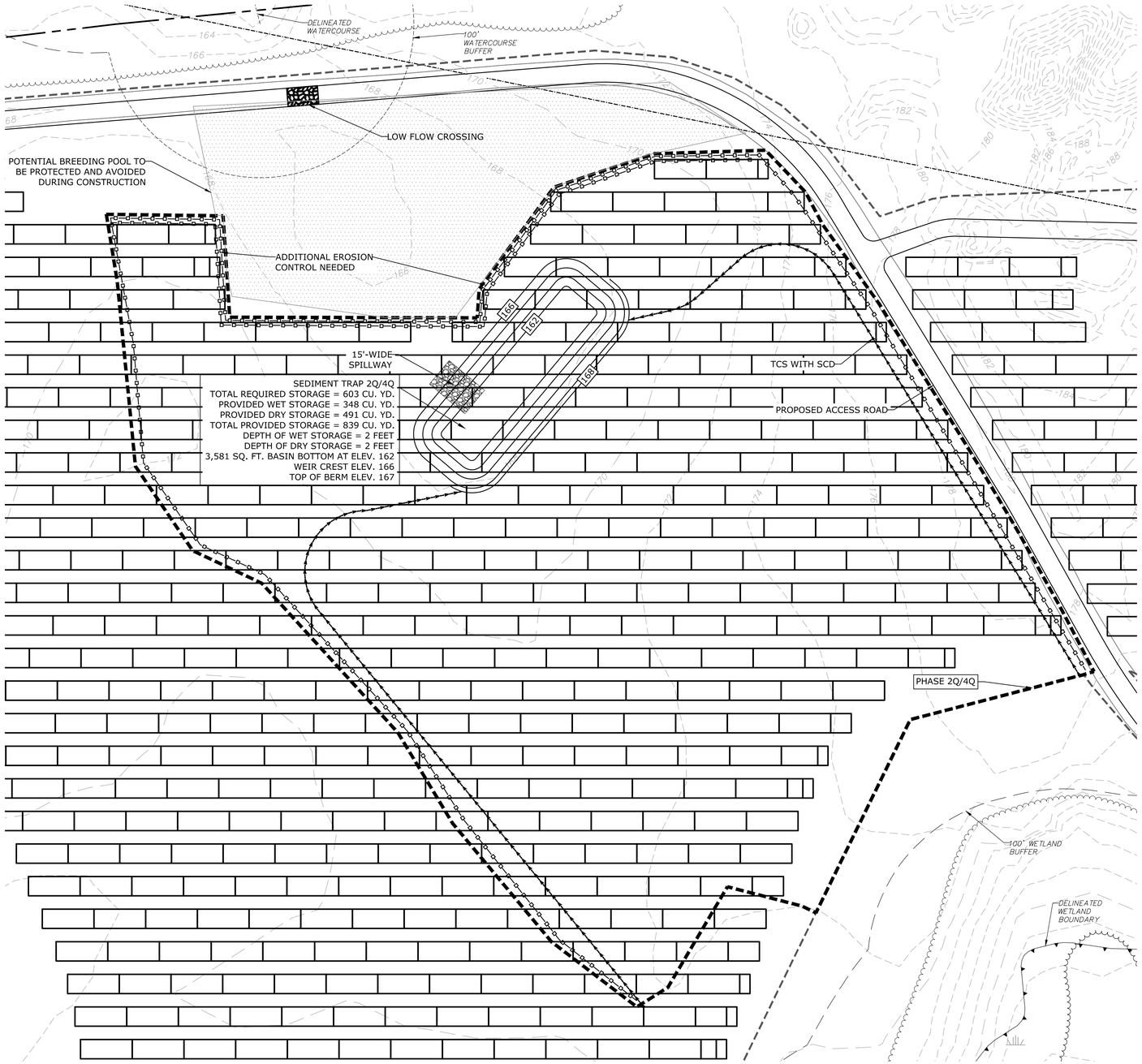
1. FLAG THE LIMITS OF CONSTRUCTION.
2. INSTALL PERIMETER CONTROLS TO ESTABLISH PHASE WORK AREA IN ACCORDANCE WITH SITE PLAN AND SWPCP PLANS.
3. PRIOR TO INSTALLING SURFACE WATER CONTROLS, SUCH AS TEMPORARY DIVERSION AND STONE CHECK DAMS, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZED MEASURES PRIOR TO INSTALLING SURFACE WATER CONTROLS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND/OR BASINS, DIVERSION SWALES AND BERMS WITH CHECK DAMS.
5. CLEAR AND GRUB EXISTING STUMPS AS NEEDED.
6. INSTALL SOLAR INFRASTRUCTURE, INCLUDING RACKING, SOLAR MODULES, UTILITY CONNECTIONS, AND EQUIPMENT PADS. SOLAR ARRAY CONSTRUCTION WILL BEGIN WITH POSTS OR GROUND SCREWS BEING DRIVEN INTO THE GROUND; RACKING WILL THEN BE AFFIXED TO THE POSTS; AND MODULES WILL BE MOUNTED AND INSTALLED ON THE RACKS.
7. STABILIZE SITE BY HYDROSEEDING WITH BONDED FIBER MATRIX OR INSTALLING EROSION CONTROL BLANKET IN ALL DISTURBED AREAS. MONITOR HYDROSEEDED AREA DAILY AND AUGMENT WITH ADDITIONAL SEEDING AS NEEDED.
8. AFTER SITE IS FULLY STABILIZED, REMOVE TEMPORARY STORMWATER CONTROLS.

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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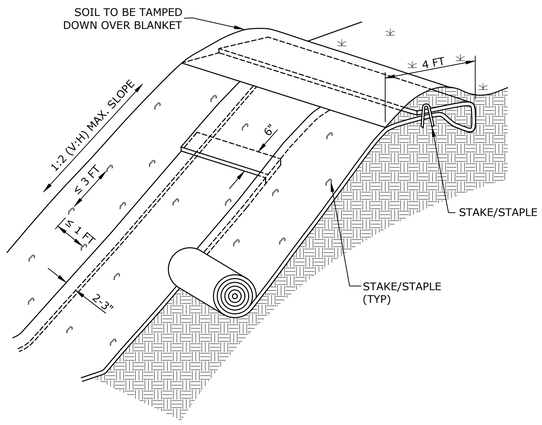
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PROJECT NO:	R0317
DATE:	04/2020
FILE: SESC Plans_6.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

SOIL EROSION AND SEDIMENT CONTROL PLAN - 4Q

SCALE: 1" = 40'

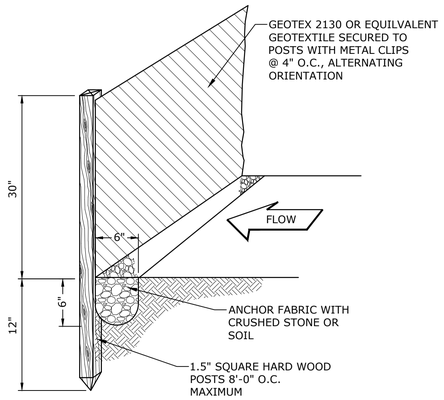
SESC-78



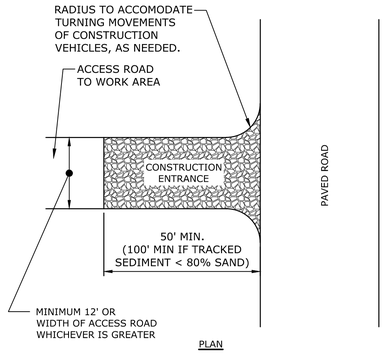
NOTES:

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.

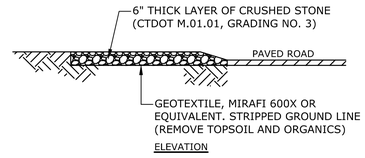
EROSION CONTROL BLANKET
NO SCALE



SILT FENCE
NO SCALE

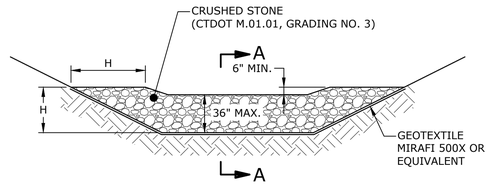


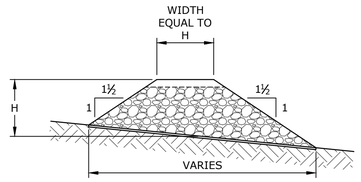
PLAN



ELEVATION

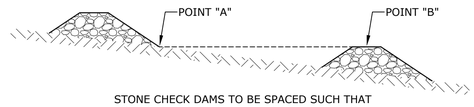
CONSTRUCTION ENTRANCE
NO SCALE





SECTION A-A

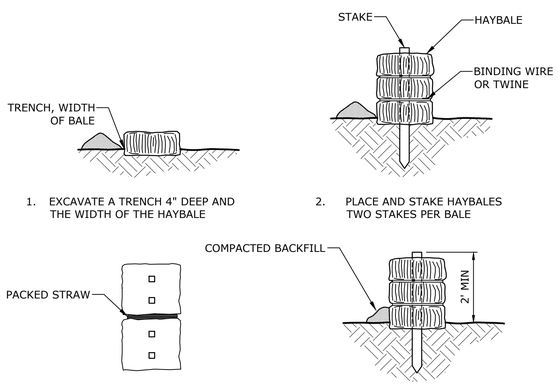
TEMP. CONVEYANCE SWALE DEPTH	12"	18"	24"
CHECK DAM "H"	8"	14"	20"



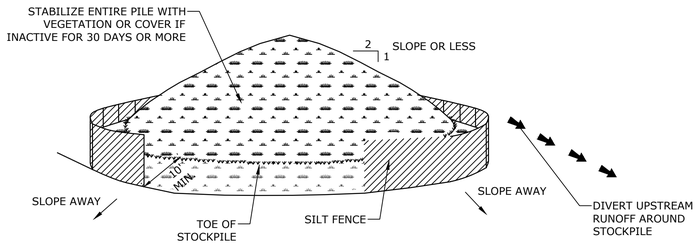
STONE CHECK DAMS TO BE SPACED SUCH THAT POINTS A AND B ARE AT THE SAME ELEVATION

STONE CHECK DAM SPACING

STONE CHECK DAM
NO SCALE



PLACEMENT AND CONSTRUCTION OF HAYBALE BARRIER
NO SCALE

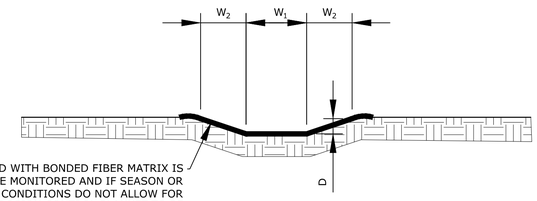


INSTALLATION NOTES:

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'



HYDROSEED WITH BONDED FIBER MATRIX IS PREFERRED. MUST BE MONITORED AND IF SEASON OR WEATHER CONDITIONS DO NOT ALLOW FOR GERMINATION AN EROSION CONTROL BLANKET TO BE BIONET NATRUAL FIBER NETTING, TYPE C125BN, SECURED BY BIO-STAKES, BOTH MANUFACTURED BY NORTH AMERICAN GREEN, EVANSVILLE, INDIANA, OR APPROVED EQUAL.

NOTES:

1. MINIMUM RUNNING SLOPE OF 0.5%
2. EXCAVATE SOILS FROM SWALES AND LOCATE ADJACENT TO SWALES WITHOUT IMPEDING STORMWATER FLOWS. LOCATIONS OF SOILS ARE SUBJECT TO APPROVAL BY THE ENGINEER.
3. IN AREAS WHERE SWALES CONVERGE, A CHECK DAM SHOULD BE LOCATED IMMEDIATELY UPSTREAM OF THE CONVERGENCE POINT.

TEMPORARY CONVEYANCE SWALE
NO SCALE

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Quinebaug Solar Project

Quinebaug Solar, LLC

Brooklyn and Canterbury, Connecticut

MARK	DATE	DESCRIPTION

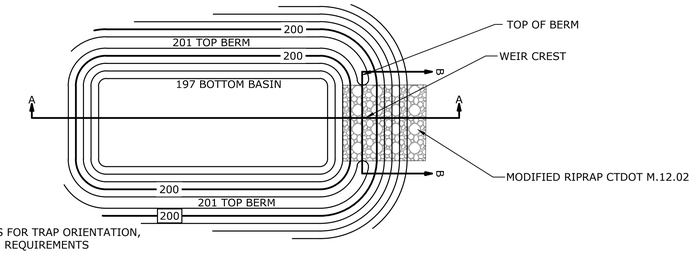
PROJECT NO:	R-0317
DATE:	04/2020
FILE: SESC Details.dwg	
DRAWN BY:	ALG
CHECKED:	BSH/JEC
APPROVED:	FJH

DETAILS - 1

SCALE: NO SCALE

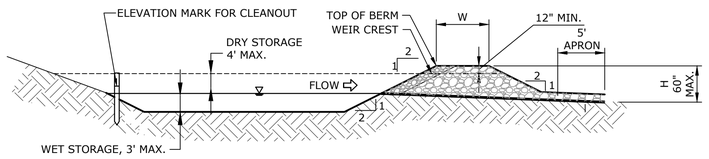
SESC-79

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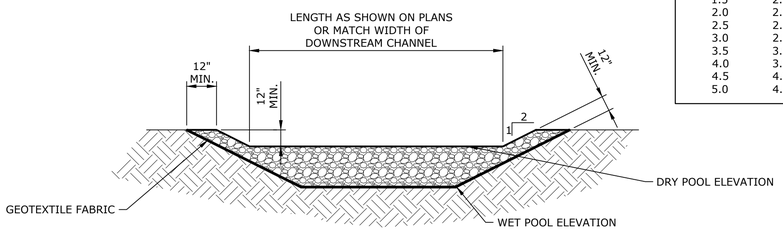
NOTE:
REFER TO PLAN SHEETS FOR TRAP ORIENTATION, SHAPE AND ELEVATION REQUIREMENTS

PLAN



SECTION A-A

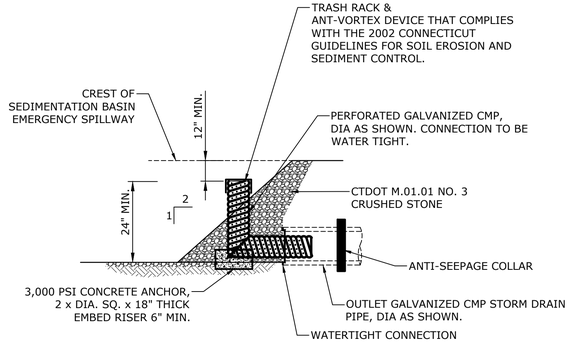
TOP WIDTH VS. HEIGHT	
H(ft)	W(ft)
1.5	2.0
2.0	2.0
2.5	2.5
3.0	2.5
3.5	3.0
4.0	3.0
4.5	4.0
5.0	4.5



SECTION B-B

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

TYPICAL TEMPORARY SEDIMENT TRAP SECTION
NO SCALE

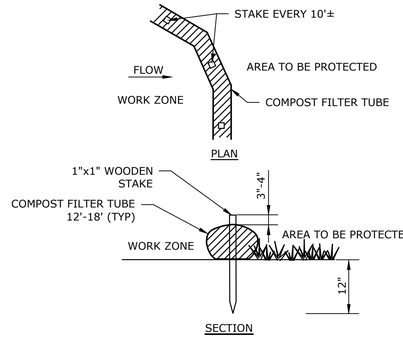


CORRUGATED METAL PIPE REQUIREMENTS FOR RISERS:

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

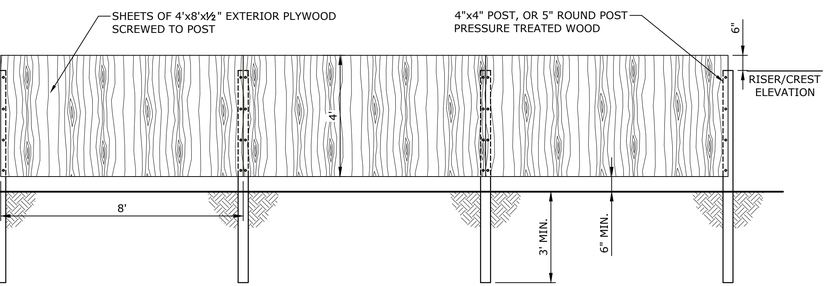
TEMPORARY SEDIMENTATION BASIN INLET STANDPIPE
NO SCALE



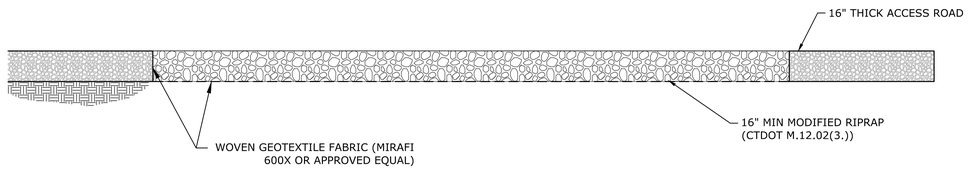
NOTES:

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



NOTES:

1. AT THE COMPLETION OF CONSTRUCTION AND FOLLOWING SITE STABILIZATION REMOVE ALL LOW-FLOW CROSSINGS AND ANY SOILS ON TOP OF FABRIC AND REPLACE WITH CLEAN MODIFIED RIPRAP.

MODIFIED RIP RAP LOW FLOW CROSSING
NO SCALE

Tighe&Bond

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PROFESSIONAL ENGINEER
4/30/20

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DETAILS - 2

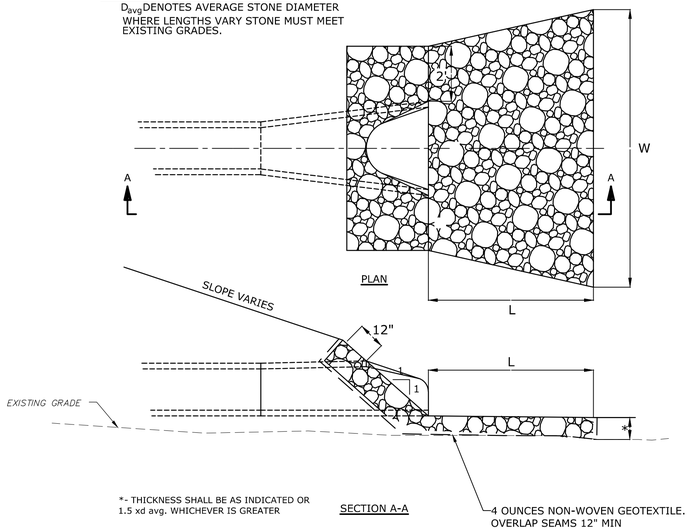
SCALE: NO SCALE

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BASIN	2G, 2I, 3R, 3S, 3V	2N, 3E	2B, 2E, 2F, 2H, 2L, 2M, 3B, 3F, 3G, 3I, 3K
WIDTH (W)	7.1'	7.1'	7.1'
LENGTH (L)	5'	5'	5'
THICKNESS	17.5"	21"	35"
d_{avg}	5"	6"	10"

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



*- THICKNESS SHALL BE AS INDICATED OR 1.5 xd avg. WHICHEVER IS GREATER

SECTION A-A

STONE AT CULVERT ENDS
NO SCALE

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BRIAN S. HUNTLEY
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DETAILS - 3

SCALE: NO SCALE

SESC-81

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