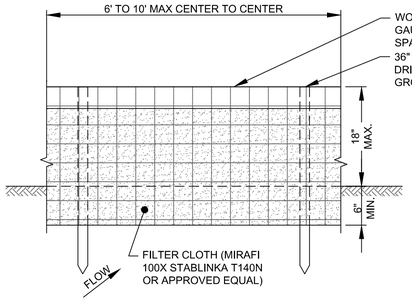
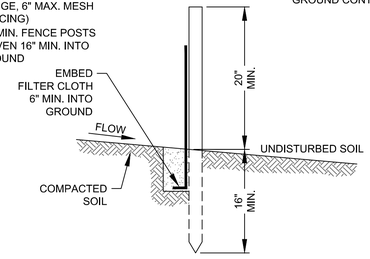


ELEVATION



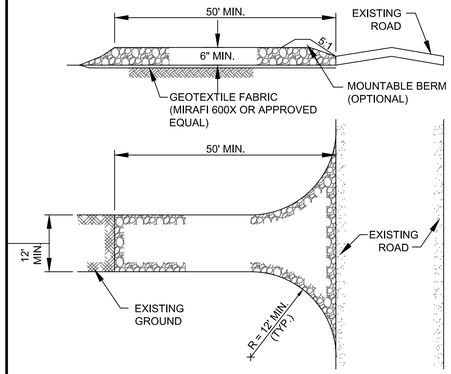
SECTION

1. WOVEN WIRE FENCE SHALL BE FASTENED TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH SHALL BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MIDSECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN BUILD-UP REACHES ⅓ THE HEIGHT OF THE FENCE.
5. STANDARD SILT FENCE MAY BE USED ON SLOPES < 10%.
6. SILT FENCE IS SHOWN ON THE PLANS FOR ILLUSTRATIVE PURPOSES ONLY. ACTUAL INSTALLATION LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE SWPPP AND NYS EROSION AND SEDIMENT CONTROL MANUAL.

POSTS:	STEEL "T" OR "U" TYPE OR 2" HARDWOOD.
FENCE:	WOVEN WIRE. 14½ GA 6" MAX MESH OPENING.
FILTER CLOTH:	FILTER X, MIRAFI 100X. STABLINKA T140N OR APPROVED EQUAL.
PREFABRICATED UNIT:	ENVIROFENCE OR APPROVED EQUAL

REINFORCED SILT FENCE DETAILS

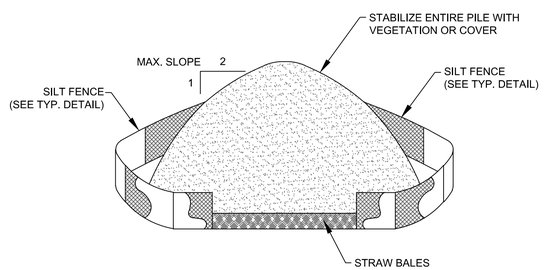
SCALE: N.T.S.



1. STONE SIZE - USE 1" - 4" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET.
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MIN. BUT NOT LESS THAN THE FULL ROAD WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. PROVIDE TWENTY-FOUR (24) FOOT WIDTH IF THERE IS ONLY A SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE - SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

STABILIZED CONSTRUCTION ENTRANCE

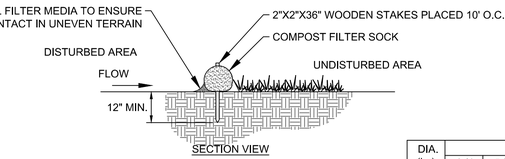
SCALE: N.T.S.



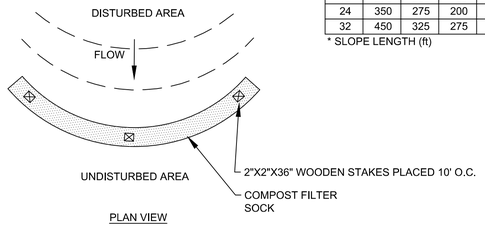
INSTALLATION NOTES:
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2H:1V.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAW BALES, THEN STABILIZED WITH VEGETATION OR COVERED.

TYPICAL TOPSOIL STOCKPILE

SCALE: N.T.S.



SECTION VIEW



PLAN VIEW

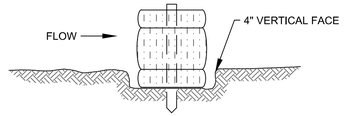
MAXIMUM SLOPE LENGTH

DIA. (in.)	SLOPE						
	2 %	5 %	10 %	20 %	25 %	33 %	50 %
8	225*	200	100	50	20	--	--
12	250	225	125	65	50	40	25
18	275	250	150	70	55	45	30
24	350	275	200	130	100	60	35
32	450	325	275	150	120	75	50

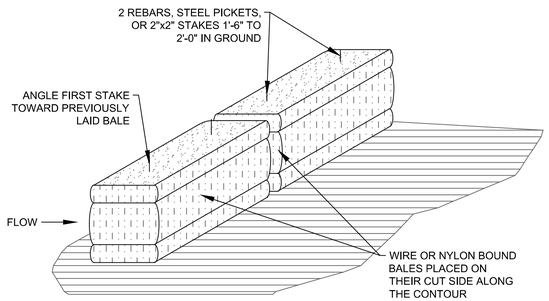
* SLOPE LENGTH (ft)

TYPICAL COMPOST FILTER SOCK

SCALE: N.T.S.



EMBEDDING DETAIL

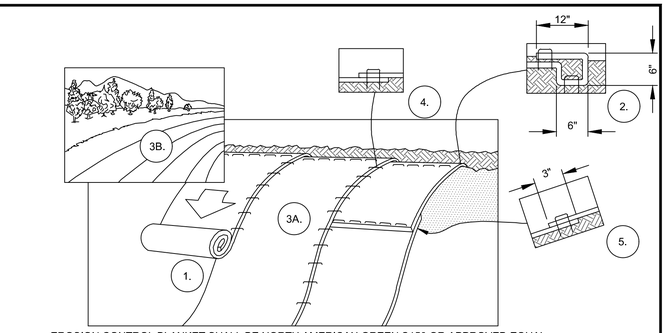


ANCHORING DETAIL

NOTES:
1. STRAW BALES SHALL BE USED ONLY AS REINFORCEMENT FOR SILT FENCE WHERE NEEDED.
2. BALES SHALL BE PLACED IN A ROW AT THE TOE OF A SLOPE OR ON THE CONTOUR, WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
3. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
4. BALES SHALL BE SECURELY ANCHORED IN PLACE BY DRIVING EITHER TWO STAKES OR RE-BARS THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE TOP OF BALE.
5. INSPECTIONS SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULLNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

STRAW BALE BARRIER

SCALE: N.T.S.



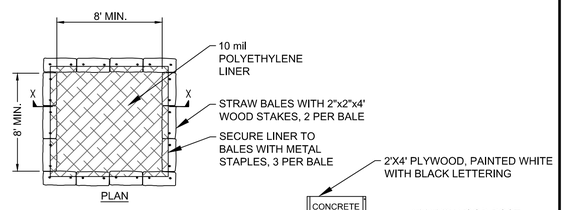
EROSION CONTROL BLANKET SHALL BE NORTH AMERICAN GREEN S150 OR APPROVED EQUAL.

1. PREPARE SOIL BEFORE INSTALLING BLANKETS BY SMOOTHING THE SURFACE, REMOVING DEBRIS AND LARGE STONES, AND APPLICATION OF ANY NECESSARY LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.

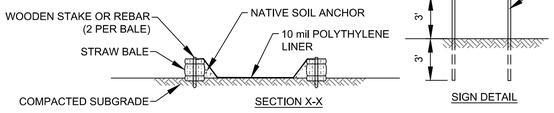
NOTE:
*IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

EROSION CONTROL BLANKET INSTALLATION

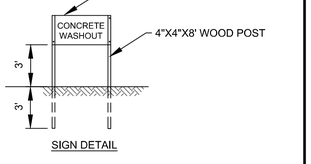
SCALE: N.T.S.



PLAN



SECTION X-X



SIGN DETAIL

NOTES:
1. DIMENSIONS SHOWN ABOVE ARE MINIMUM. SIZE FACILITY FOR ADEQUATE CAPACITY TO CONTAIN SOLIDS, WASH WATER AND RAINFALL, AND TO ALLOW EVAPORATION.
2. LOCATE THE FACILITY A MINIMUM OF 100' FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS OR OTHER SURFACE WATERS.
3. INSPECT FACILITY DAILY AND REPAIR ANY DAMAGE OR LEAKS IMMEDIATELY.
4. DISPOSE OF HARDENED MATERIAL OFF-SITE AT AN APPROPRIATE CONSTRUCTION WASTE FACILITY WHEN ACCUMULATION REACHES 75% OF THE WASHOUT CAPACITY.

TYPICAL CONCRETE WASHOUT

SCALE: N.T.S.

PRELIMINARY
NOT FOR CONSTRUCTION

aes
2180 South 1300 East, Suite 600
Salt Lake City, UT 84106-2749
(801) 679 - 3500

TRC
249 Western Avenue
Augusta, ME 04330

PE STAMP:

STATE OF NEW YORK · DANIEL T BUTLER · LICENSED · 079800 · PROFESSIONAL ENGINEER

Daniel Thomas Butler
2022.07.20 14:01:27 -04'00'

KEY PLAN:

REVISIONS:

NO.	DATE	DESCRIPTION
0	01/19/2022	DESIGN DRAWINGS
1	06/27/2022	ISSUED FOR PERMIT
2	07/20/2022	ISSUED FOR PERMIT
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

PROJECT TITLE:

BROOKSIDE SOLAR PROJECT

PROJECT LOCATION:

TOWNS OF BURKE AND CHATEAUGAY, NY

SHEET TITLE & DESCRIPTION:

EROSION & SEDIMENT CONTROL DETAILS 1

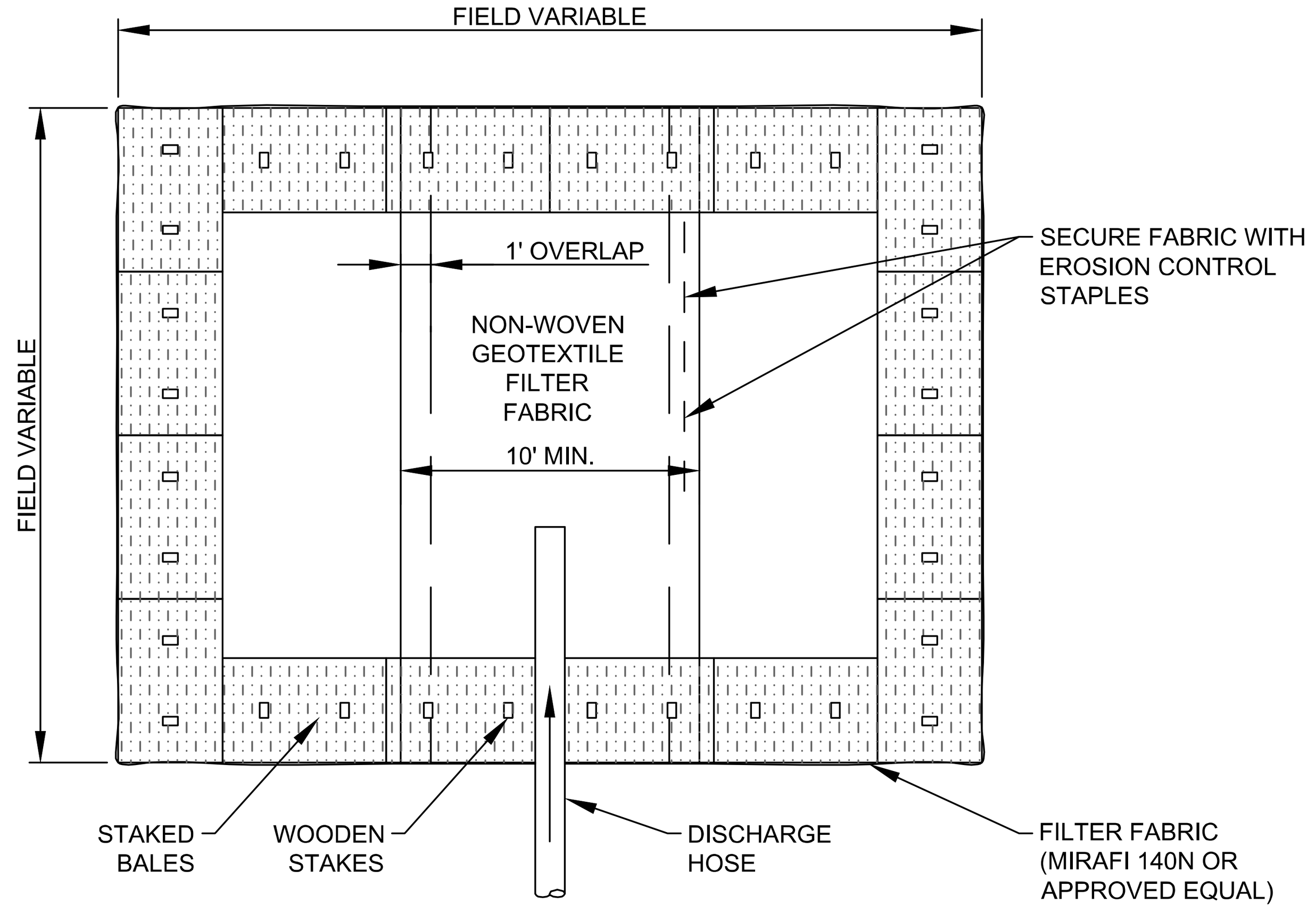
PROJ NUM:	422299
DES:	C. WINTERMUTE
DWN:	C. WINTERMUTE
CHK:	J. HEIDIG
APV:	-
DATE:	04/02/2021

SCALE AT 22" x 34":

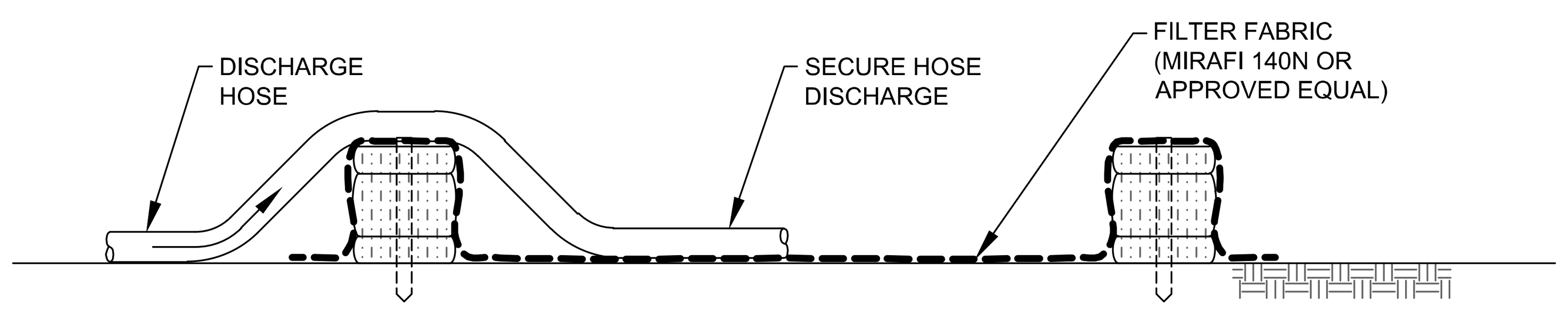
AS NOTED

SHEET NO: PV-C.03.01

REV: 2



PLAN VIEW

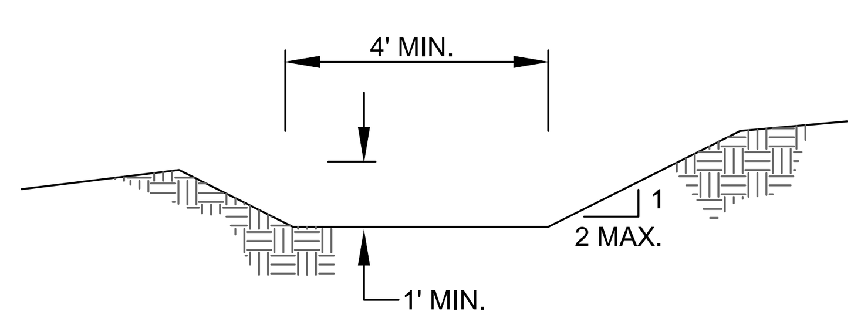


SECTION VIEW

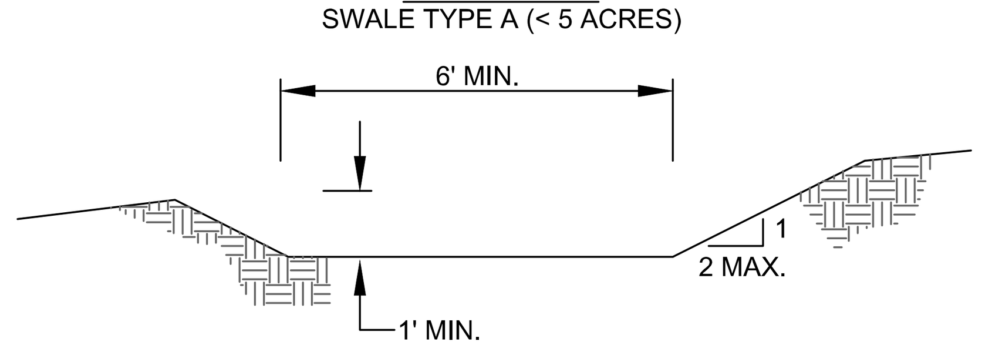
NOTES:
1. NUMBER OF BALES MAY VARY DEPENDING ON SITE CONDITIONS.
2. THE BASIN SHALL BE SIZED TO PREVENT DISCHARGE WATER FROM OVERTOPPING BASIN.
2. LOCATE THE FACILITY A MINIMUM OF 100' FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS OR OTHER SURFACE WATERS.
3. CLEAN AND REMOVE AS SOON AS DEWATERING IS COMPLETE.

TYPICAL DEWATERING BASIN

SCALE: N.T.S.



SECTION VIEW
SWALE TYPE A (< 5 ACRES)



SECTION VIEW
SWALE TYPE B (5 - 10 ACRES)

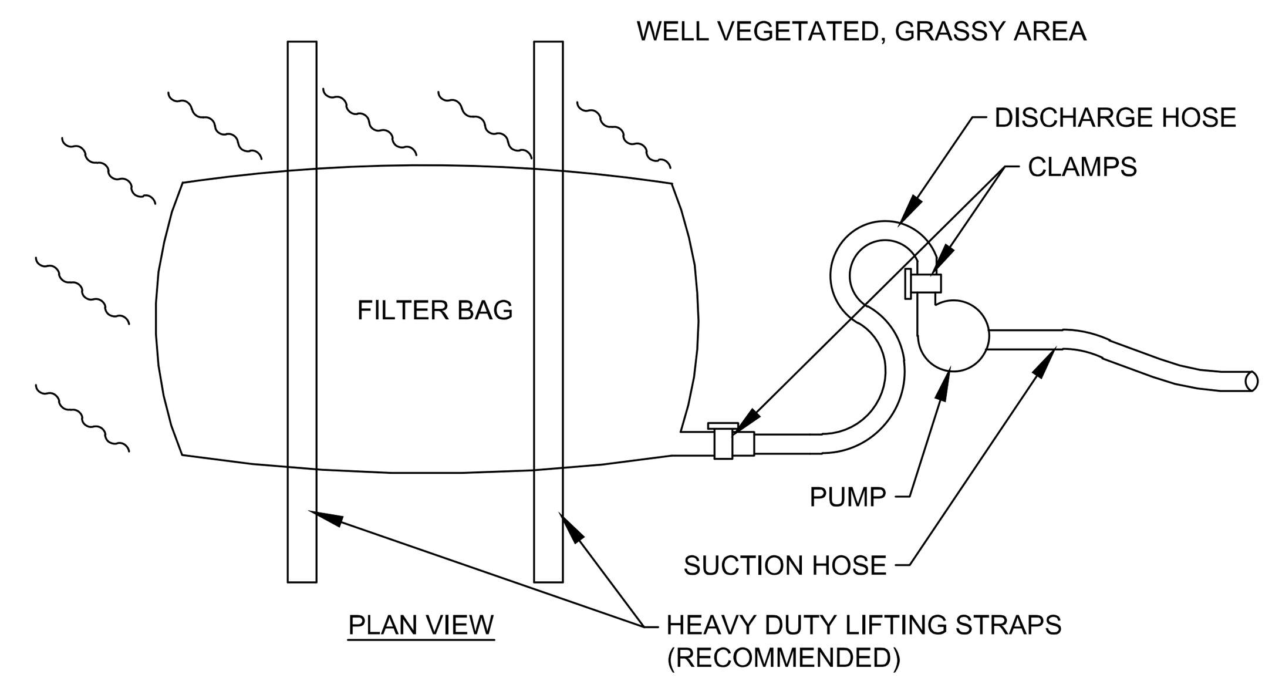
NOTES:
1. ALL CONSTRUCTION DITCHES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
3. DIVERTED RUNOFF FROM AN UNDISTUBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT A NON-EROSIVE VELOCITY.
4. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTION OF THE DITCH.
5. DITCHES SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH IMPEDE NORMAL FLOW.
6. FILLS SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
7. ALL EXCAVATED MATERIAL NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SUCH THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DITCH.
8. STABILIZATION SHALL BE AS PER THE FLOW CHANNEL STABILIZATION CHART BELOW:

CHANNEL GRADE	TYPE A DITCH (< 5 ACRES)	TYPE B DITCH (5 - 10 ACRES)
0.5-3.0%	SEED & STRAW MULCH	SEED & STRAW MULCH
3.1-5.0%	SEED & STRAW MULCH	SEED AND COVER W/ RECP
5.1-8.0%	SEED AND COVER W/ RECP	LINED 4-8" RIP RAP OR GEOTEXTILE
8.1-10%	LINED 4-8" RIP RAP OR GEOTEXTILE	ENGINEERED DESIGN

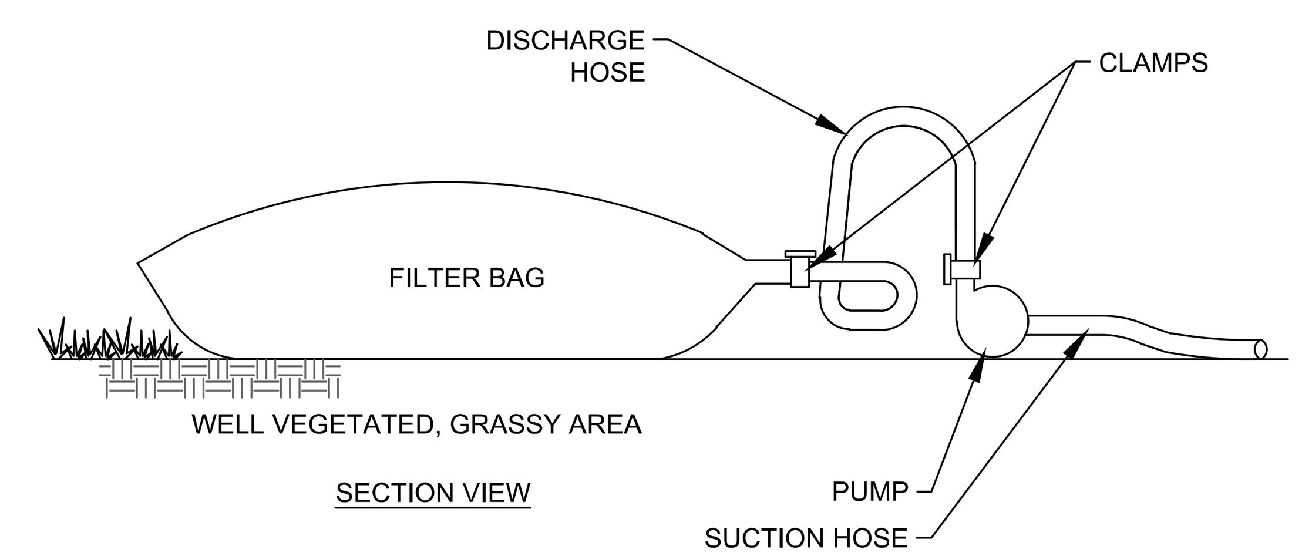
9. INSPECT AND PROVIDE MAINTENANCE AFTER EACH RAIN EVENT.
10. FIGURE IS BASED ON NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

TEMPORARY SWALE DETAIL

SCALE: N.T.S.



PLAN VIEW

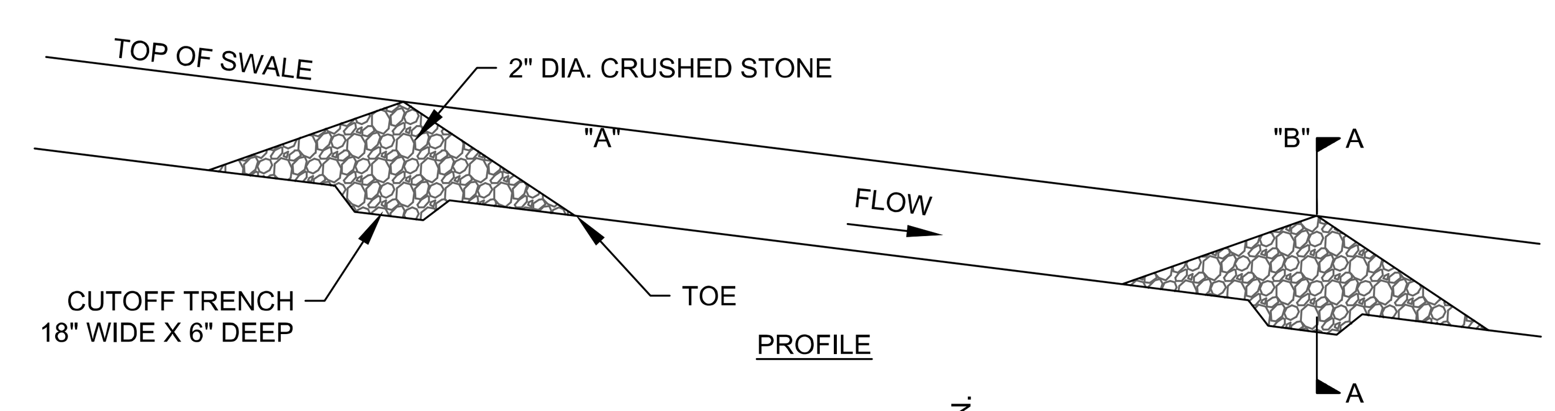


SECTION VIEW

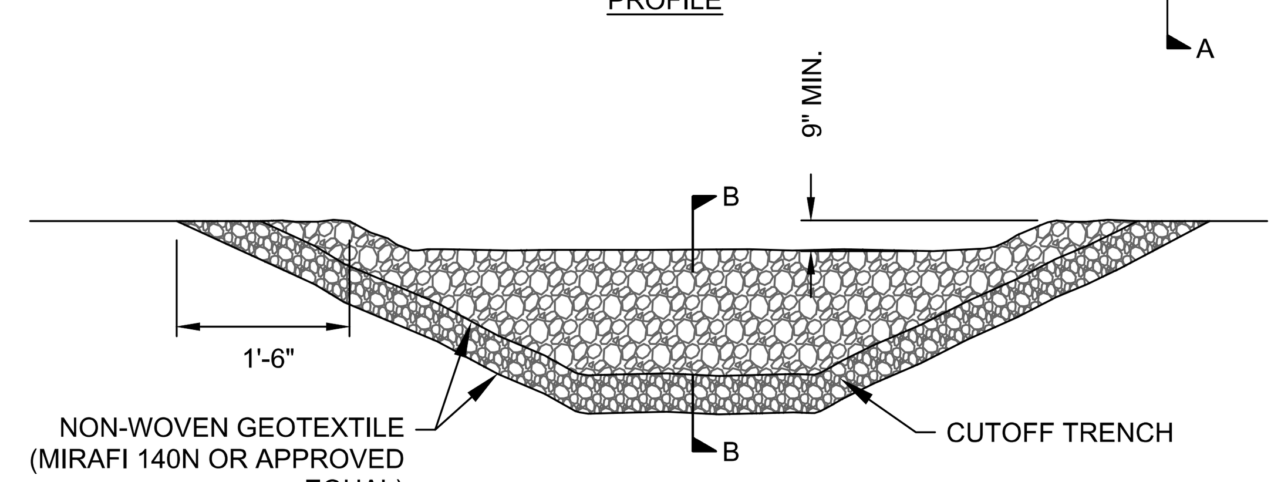
NOTES:
1. THE GEOTEXTILE MATERIAL USED TO CONSTRUCT THE FILTER BAG SHALL MEET OR EXCEED THE SPECIFICATIONS PROVIDED IN THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL - 2016" OR LATEST EDITION. THE BAG SHALL BE SEWN WITH A DOUBLE NEEDLE MACHINE USING HIGH STRENGTH DOUBLE STICHED "J" TYPE SEAMS (ASTM D4884).
2. GEOTEXTILE FILTER BAGS SHALL BE SIZED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS BASED ON THE PUMP DISCHARGE RATE.
3. A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES MUST BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 75% FULL. THE ACCUMULATED SEDIMENT DISPOSAL SHALL BE MANAGED IN CONFORMANCE WITH THE PROJECT SWPPP.
4. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. IT IS RECOMMENDED THAT BAGS BE PLACED ON STRAPS AS SHOWN TO FACILITATE REMOVAL.
5. BAGS SHALL BE LOCATED IN A WELL-VEGETATED (GRASSY) AREA AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE THEIR DISCHARGE CAPACITY.
6. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.
7. BAGS SHALL NOT BE PLACED WITHIN 50 FEET OF WETLANDS, STREAMS, OR OTHER SURFACE WATERS.
8. NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. A COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS PLACED WHERE A GRASSY AREA IS NOT AVAILABLE. A COMPOST FILTER SOCK MUST BE PLACED BELOW ANY BAG DISCHARGING TO A SPECIAL PROTECTION SURFACE WATER.
9. THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.
10. THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 50 PERCENT OF THE MAXIMUM RATE SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PROVIDE FLOATING SUCTION SCREENS AT THE WATER SOURCE.
11. FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

SEDIMENT FILTER BAG

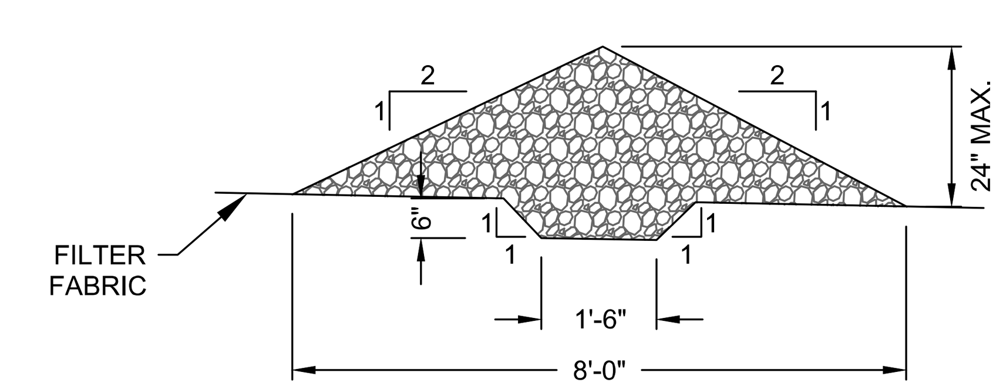
SCALE: N.T.S.



PROFILE



SECTION A-A

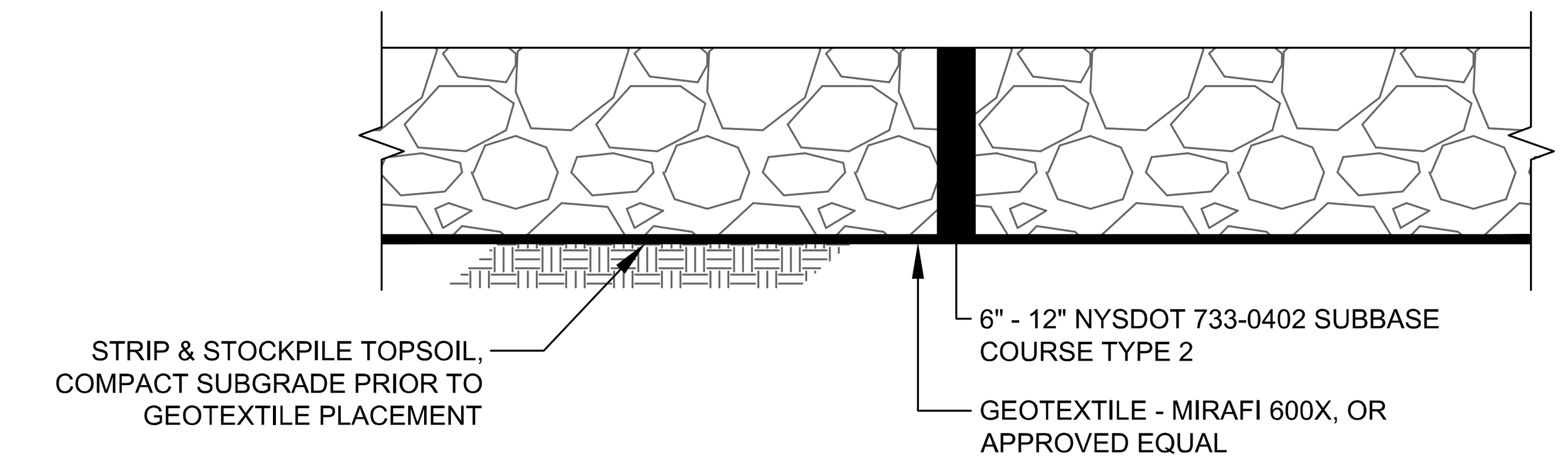


SECTION B-B

NOTE:
INSTALL WHERE INDICATED ON SITE GRADING PLAN AND AS NEEDED BY SPACING REQUIREMENTS.

CHECK DAM DETAIL

SCALE: N.T.S.



TEMPORARY LAYDOWN YARD TYPICAL SECTION

SCALE: N.T.S.

PRELIMINARY
NOT FOR CONSTRUCTION

2180 South 1300 East, Suite 600
Salt Lake City, UT 84106-2749
(801) 679 - 3500

249 Western Avenue
Augusta, ME 04330

PE STAMP:

STATE OF NEW YORK
DANIEL T BUTLER
LICENSED PROFESSIONAL ENGINEER
079800
Daniel Thomas Butler
2022.07.20 14:01:42-04'00'

KEY PLAN:

REVISIONS:

NO.	DATE	DESCRIPTION
0	01/19/2022	DESIGN DRAWINGS
1	06/27/2022	ISSUED FOR PERMIT
2	07/20/2022	ISSUED FOR PERMIT
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

PROJECT TITLE:

BROOKSIDE SOLAR PROJECT

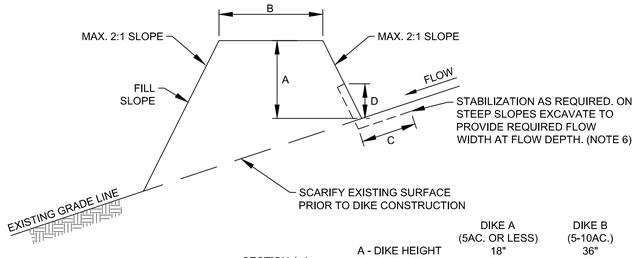
PROJECT LOCATION:

TOWNS OF BURKE AND CHATEAUGAY, NY

SHEET TITLE & DESCRIPTION:

EROSION & SEDIMENT CONTROL DETAILS 2

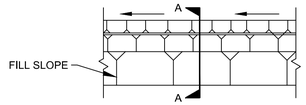
PROJ NUM:	422299
DES:	C. WINTERMUTE
DWN:	C. WINTERMUTE
CHK:	J. HEIDIG
APV:	-
DATE:	04/02/2021
SCALE AT 22" x 34":	AS NOTED
SHEET NO:	PV-C.03.02
REV:	2



SECTION A-A

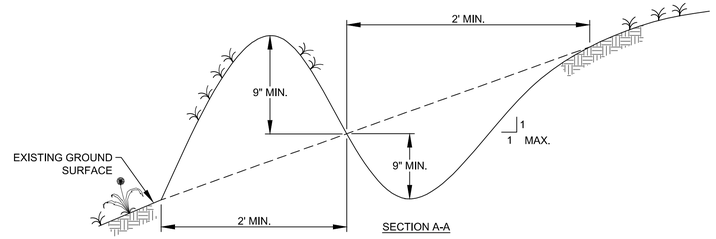
	DIKE A (5AC. OR LESS)	DIKE B (5-10AC.)
A - DIKE HEIGHT	18"	36"
B - DIKE WIDTH	24"	36"
C - FLOW WIDTH	48"	72"
D - FLOW DEPTH	8"	15"

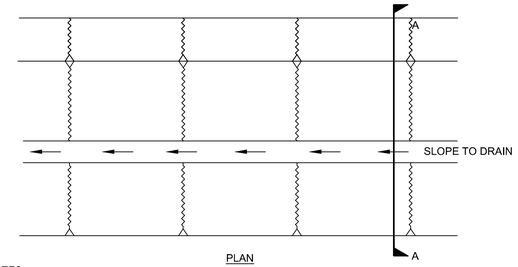
POSITIVE DRAINAGE-GRADE SUFFICIENT TO DRAIN



NOTES:
1. DIKES SHALL BE COMPACTED TO NOT LESS THAN THE IN-SITU SOIL DENSITY.
2. PROVIDE POSITIVE DRAINAGE TO AN APPROVED, STABILIZED OUTLET.
3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES FLATTER AS REQUIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED OUTLET.
5. EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN.
6. PROVIDE FLOW CHANNEL STABILIZATION IN ACCORDANCE WITH THE REQUIREMENTS OF THE "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (2016)".

TYPICAL EARTH DIKE DETAIL
SCALE: N.T.S.



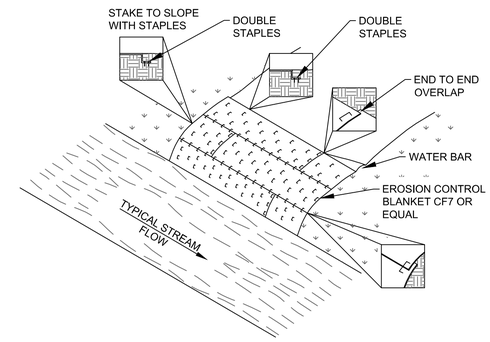


PLAN

NOTES:
1. ALL PERIMETER DIKE/SWALE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSIVE VELOCITY.
4. THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL - 2016".
5. STABILIZATION OF THE AREA DISTURBED BY THE DIKE AND SWALE SHALL BE DONE IN ACCORDANCE WITH THE STANDARD AND SPECIFICATIONS FOR THE TEMPORARY SEEDING AND MULCHING, AND SHALL BE DONE WITHIN 2 DAYS.
6. PROVIDE PERIODIC INSPECTION AND REQUIRED MAINTENANCE AFTER EACH RAIN EVENT.

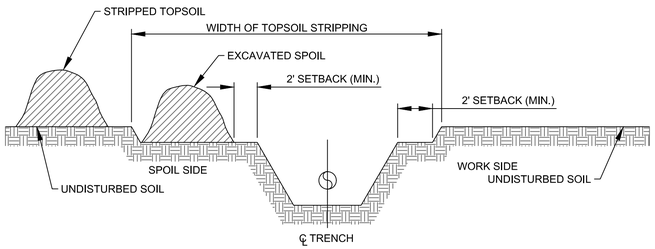
MAX. DRAINAGE AREA LIMIT= 2 ACRES

TYPICAL PERIMETER DIKE/SWALE
SCALE: N.T.S.

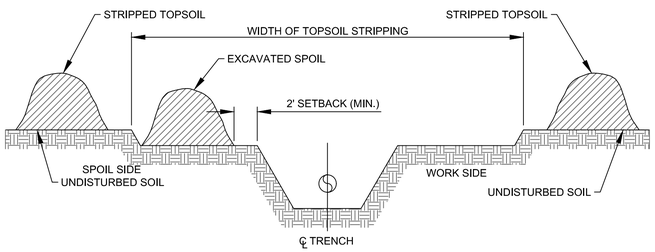


NOTES:
1. EROSION CONTROL MATTING SHALL BE PLACED ON THE BANKS OF FLOWING STREAMS WHERE VEGETATION HAS BEEN REMOVED OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
2. THE EROSION CONTROL MATTING SHALL MEET THE REQUIREMENTS SPECIFIED IN THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" - 2016 AND/OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
3. STAPLES SHALL BE MADE OF 11 GAUGE WIRE, U-SHAPED WITH 6" LEGS AND A 1" CROWN. STAPLES SHALL BE DRIVEN INTO THE GROUND FOR THE FULL LENGTH OF THE STAPLE LEGS. ALTERNATELY 1" WOODEN PEGS 6" LONG AND BEVELED TO SECURE MATTING.
4. MATTING SHALL BE INSTALLED ACCORDING TO MANUFACTURER SPECIFICATIONS OR AS FOLLOWS:
   - 4.1. THE TOP OF THE BLANKET SHALL EXTEND 2' PAST THE UPPER EDGE OF THE HIGH WATER MARK. IF A WATERBED IS PRESENT ON THE APPROACH SLOPE, THE BLANKET SHALL BEGIN ON THE UPHILL SIDE OF THE WATERBED.
   - 4.2. INSTALL BLANKET(S) ACROSS THE SLOPE IN THE DIRECTION OF WATER FLOW.
   - 4.3. ANCHOR ("KEY") THE UPSTREAM EDGE OF THE BLANKET(S) INTO THE SLOPE USING A 6" WIDE BY 6" DEEP TRENCH. DOUBLE STAPLE EVERY 12" BEFORE BACK FILLING AND COMPACTING TRENCH.
   - 4.4. ANCHOR ("KEY") THE UPPER EDGE OF THE BLANKET INTO THE SLOPE USING A 6" WIDE BY 6" DEEP TRENCH. DOUBLE STAPLE EVERY 12" BEFORE BACK FILLING AND COMPACTING TRENCH.
   - 4.5. THE EDGES OF PARALLEL BLANKETS SHALL BE OVERLAPPED A MINIMUM OF 6". THE UPPER BLANKET SHALL BE PLACED OVER THE LOWER BLANKET (SHINGLE STYLE) AND STAPLED EVERY 12" ALONG THE LENGTH OF THE EDGE.
   - 4.6. WHEN BLANKET ENDS ARE TO ADJOINING BLANKETS, THE UPSTREAM BLANKET SHALL BE PLACED OVER THE DOWNSTREAM BLANKET (SHINGLE STYLE) WITH APPROXIMATELY 6" OF OVERLAP, STAPLE THROUGH THE OVERLAP AREA EVERY 12".
   - 4.7. STAPLE DOWN THE CENTER OF THE BLANKET(S), THREE STAPLES IN EVERY SQUARE YARD.
5. IN LIVESTOCK AREAS WHERE EROSION CONTROL MATTING IS APPLIED TO STREAM BANKS, FENCING SHALL BE USED IF NECESSARY TO EXCLUDE LIVESTOCK, WITH PERMISSION OF THE LANDOWNER.
6. MONITOR FOR WASHOUTS, STAPLE INTEGRITY OR MAT MOVEMENT. REPLACE OR REPAIR AS NECESSARY.

TYPICAL STREAM BANK MATTING
SCALE: N.T.S.



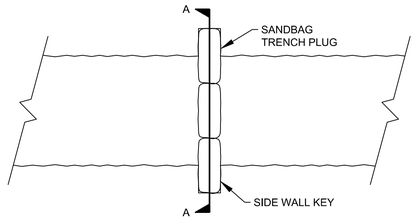
DITCH PLUS SPOILSIDE TOPSOIL SEGREGATION



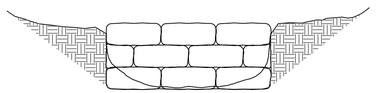
FULL WIDTH TOPSOIL STRIPPING

NOTES:
1. TOPSOIL MAY BE IN LOCATIONS AS SHOWN ABOVE, OR AT OTHER APPROVED LOCATIONS.
2. LEAVE GAPS IN SPOIL PILES FOR WATER RUN-OFF.
3. CONSTRUCTION R.O.W. MAY BE EXPANDED UP TO FULL R.O.W. WIDTH IN NON-WETLAND AREAS, FOR TOPSOIL SALVAGE.

TOPSOIL SEGREGATION METHODS - COLLECTOR
SCALE: N.T.S.



PLAN VIEW



SECTION A

NOTES:
1. AFTER TRENCH EXCAVATION, HAND DRESS BOTTOM OF TRENCH IN VICINITY OF PLANNED PLUG CONSTRUCTION.
2. EXCAVATE KEY INTO TRENCH SIDE WALL. EXCAVATE TO PROVIDE VERTICAL SURFACE NOT LESS THAN 6" INTO BANK.
3. CONSTRUCT SANDBAG TRENCH PLUG USING SANDBAGS FILLED WITH CLEAN, FINE SAND.
4. BACK FILL KEY WAY TO PROVIDE COMPACTED NATIVE SOIL AGAINST SANDBAGS.
5. BACK FILL TRENCH CONCURRENT WITH CABLE PLACEMENT. REMOVE SANDBAG TRENCH PLUG AS CABLE IS PLACED.
6. PROVIDE STREAM BED AND EMBANKMENT PROTECTION PER "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" - 2016.

TYPICAL TRENCH PLUG
SCALE: N.T.S.

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Daniel Thomas Butler
2022.07.20 14:04:04-04'00'

KEY PLAN:

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-	-	-
-	-	-

PROJECT TITLE:

BROOKSIDE SOLAR PROJECT

PROJECT LOCATION:

TOWNS OF BURKE AND CHATEAUGAY, NY

SHEET TITLE & DESCRIPTION:

EROSION & SEDIMENT CONTROL DETAILS 3

PROJ NUM:	422299
DES:	C. WINTERMUTE
DWN:	C. WINTERMUTE
CHK:	J. HEIDIG
APV:	-
DATE:	04/02/2021

SCALE AT 22" x 34":

AS NOTED

SHEET NO: PV-C.03.03

REV: 2

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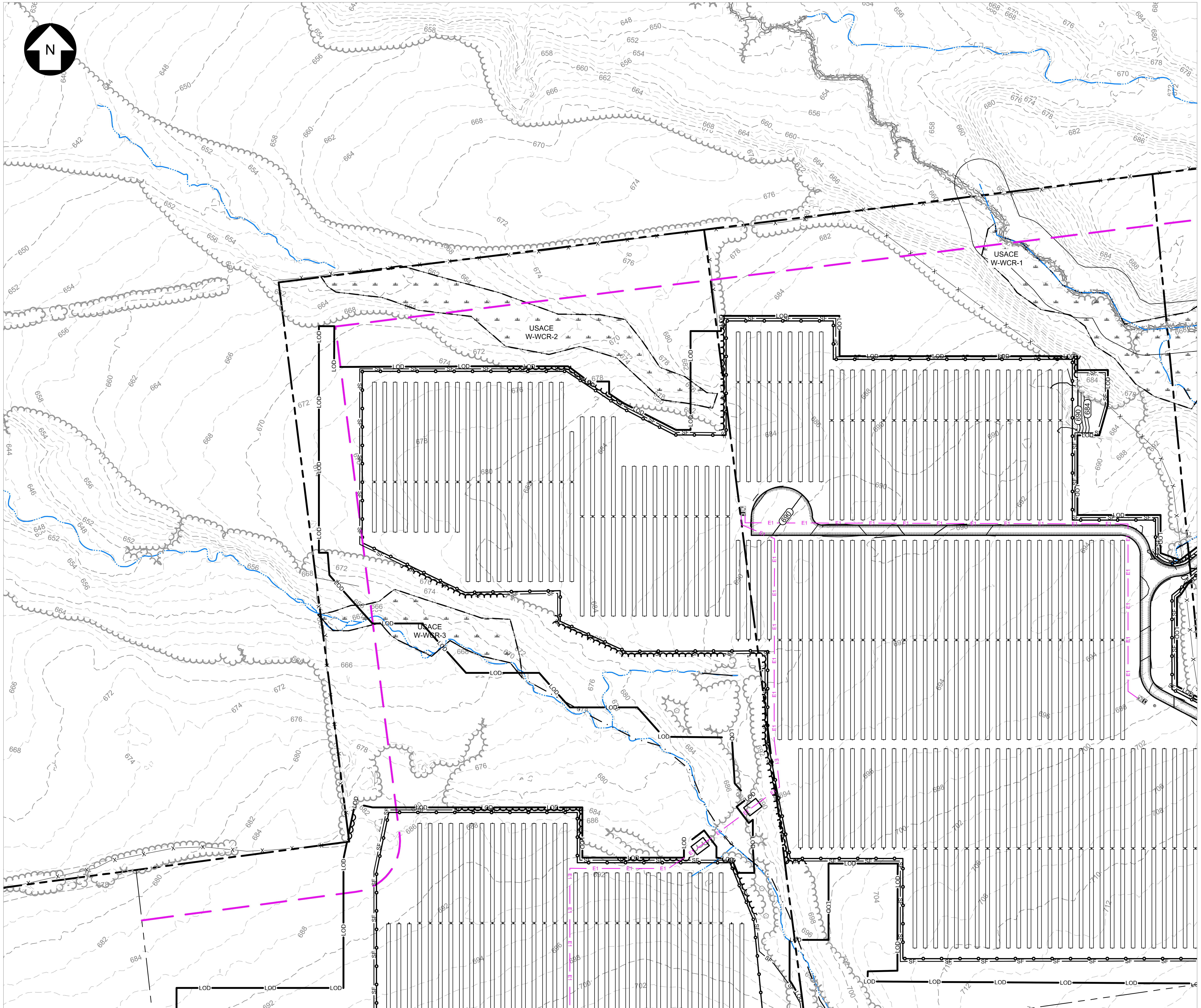
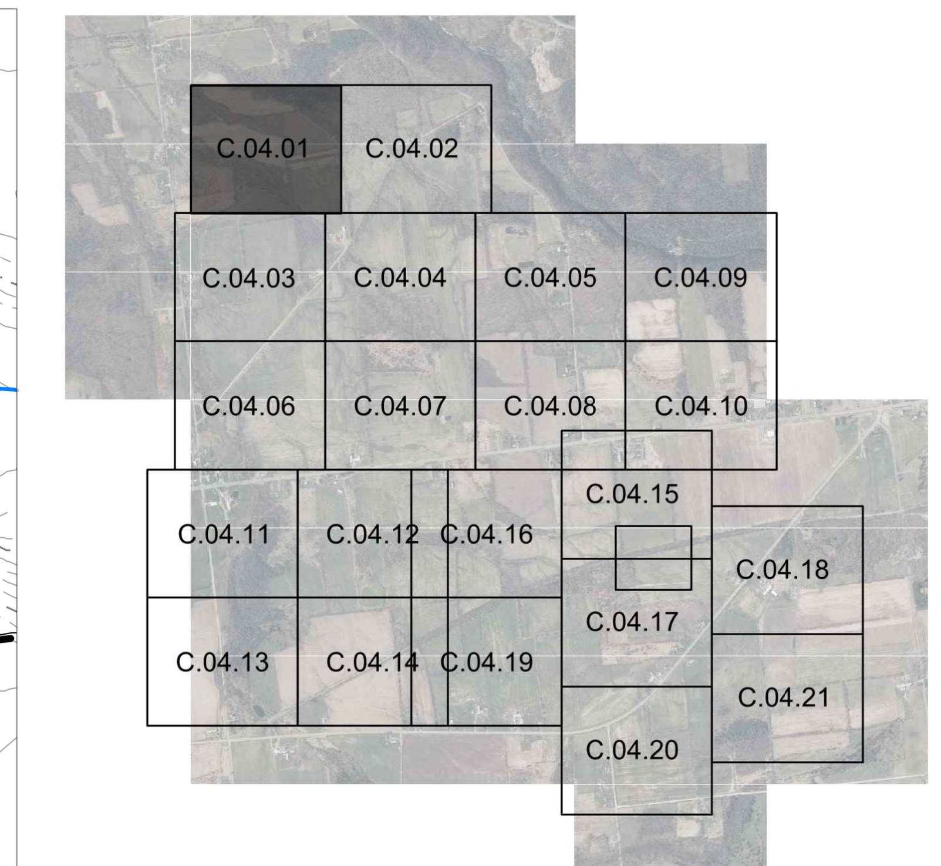


FOR CONTINUATION, SEE SHEET PV-C.04.02

FOR CONTINUATION, SEE SHEET PV-C.04.03

FOR CONTINUATION, SEE SHEET PV-C.04.04



KEY MAP
SCALE: 1" = 3000'

LEGEND

EXISTING		PROPOSED
	PROPERTY BOUNDARY	
	94C SETBACK	
	TOWN SETBACK	
	LIMIT OF DISTURBANCE	LOD
	SOIL BOUNDARY	
	SILT FENCE	SF SF
OHE	OVERHEAD ELECTRIC	
	CHAIN LINK FENCE	
X X	BARBED WIRE FENCE	X X
	GRAVEL ROAD	
	BASELINE	
	PV ARRAY	
	EQUIPMENT PADS & BOLLARDS	
598	MINOR CONTOUR	598
600	MAJOR CONTOUR	600
	WETLAND	
	STREAM	
	WATER SURFACE	
	TREELINE	
	BRUSH	
	BUILDING	
	STONE WALL	
	UTILITY POLE	
	VALVE	
	CULVERT	
	WETLAND ADJACENT AREA / STREAM BUFFER	
	LAYDOWN YARD	
	TOWN BOUNDARY	
	COLLECTOR LINE	E1
	RIGHT OF WAY	
	PAVED ROAD	
	NON LEASE LINE	
	DRIVEWAY	
	HORIZONTAL DIRECTIONAL DRILL	

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100 0 100 200 FT
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PROJECT TITLE:

BROOKSIDE SOLAR PROJECT

PROJECT LOCATION:

TOWNS OF BURKE AND CHATEAUGAY, NY

SHEET TITLE & DESCRIPTION:

GRADING, DRAINAGE, AND EROSION CONTROL PLAN

PROJ NUM:	422299
DES:	C. WINTERMUTE
DWN:	C. WINTERMUTE
CHK:	J. HEIDIG
APV:	-
DATE:	05/21/2021

SCALE AT 22" x 34":
1" = 100'

SHEET NO: PV-C.04.01
REV: 2

PLOTTED: 7/19/2022 4:00 PM
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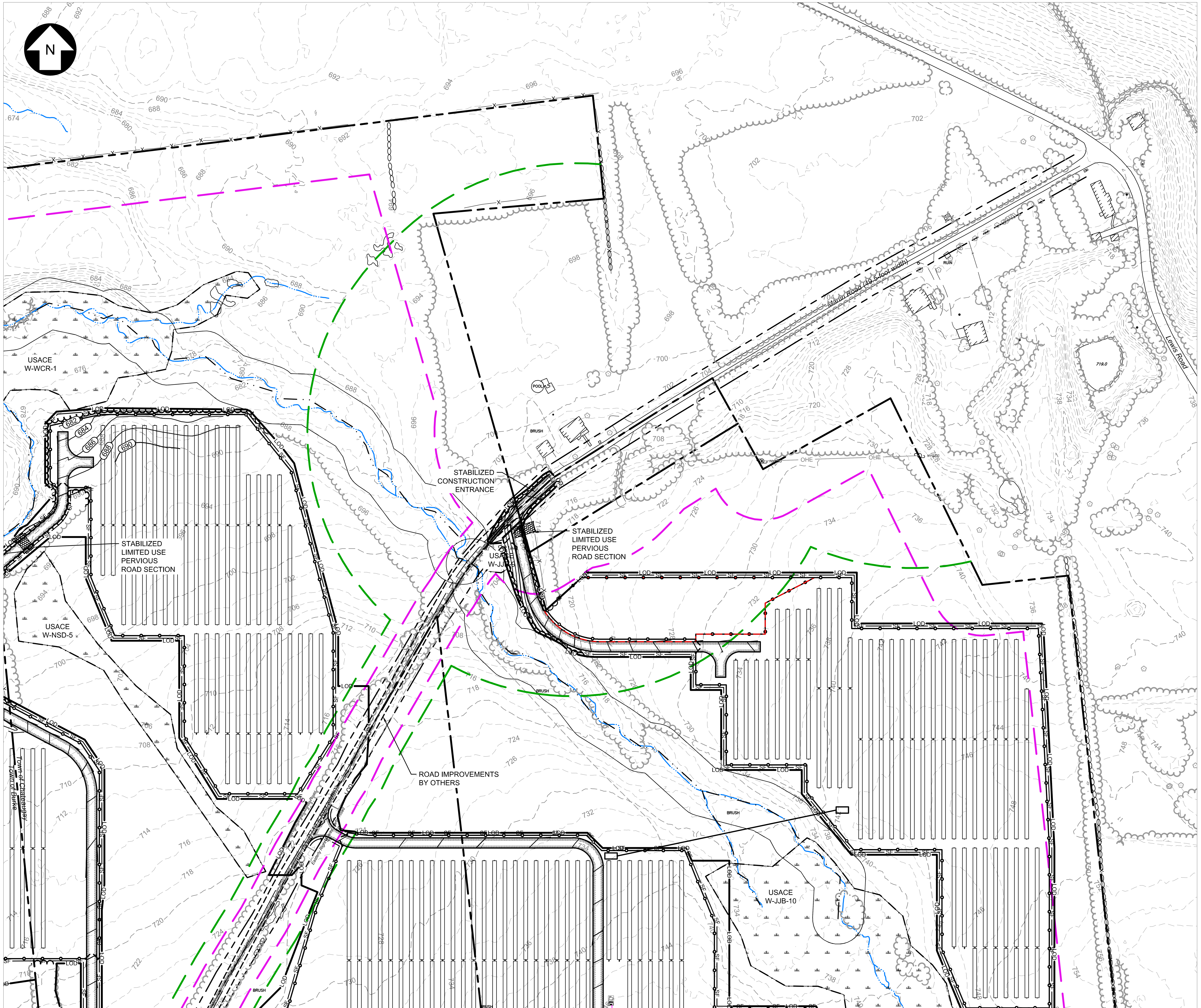

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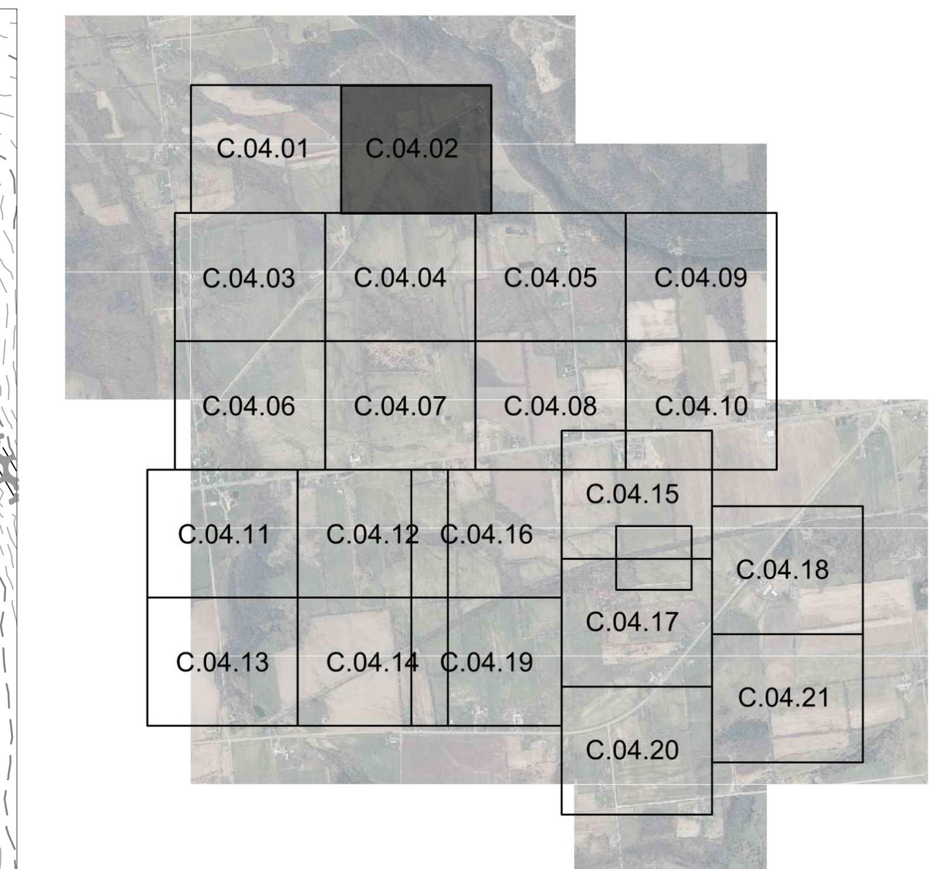
FOR CONTINUATION, SEE SHEET PV-C.04.04

FOR CONTINUATION, SEE SHEET PV-C.04.05



KEY MAP
SCALE: 1" = 3000'

LEGEND

EXISTING		PROPOSED
	PROPERTY BOUNDARY	
	94C SETBACK	
	TOWN SETBACK	
	LIMIT OF DISTURBANCE	LOD
	SOIL BOUNDARY	
	SILT FENCE	SF SF
OHE	OVERHEAD ELECTRIC	
	CHAIN LINK FENCE	
X X	BARBED WIRE FENCE	X X
	GRAVEL ROAD	
	BASELINE	
	PV ARRAY	
	EQUIPMENT PADS & BOLLARDS	
598	MINOR CONTOUR	598
600	MAJOR CONTOUR	600
	WETLAND	
	STREAM	
	WATER SURFACE	
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	BRUSH	
	BUILDING	
	STONE WALL	
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	LAYDOWN YARD	
	TOWN BOUNDARY	
	COLLECTOR LINE	E1
	RIGHT OF WAY	
	PAVED ROAD	
	NON LEASE LINE	
	DRIVEWAY	
	HORIZONTAL DIRECTIONAL DRILL	

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KEY PLAN:

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PROJECT TITLE:
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PROJECT LOCATION:
TOWNS OF BURKE AND CHATEAUGAY, NY

SHEET TITLE & DESCRIPTION:
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DWN:	C. WINTERMUTE
CHK:	J. HEIDIG
APV:	-
DATE:	05/21/2021

SCALE AT 22" x 34":
1" = 100'

SHEET NO: PV-C.04.02
REV: 2

PLOTTED: 7/19/2022 4:01 PM
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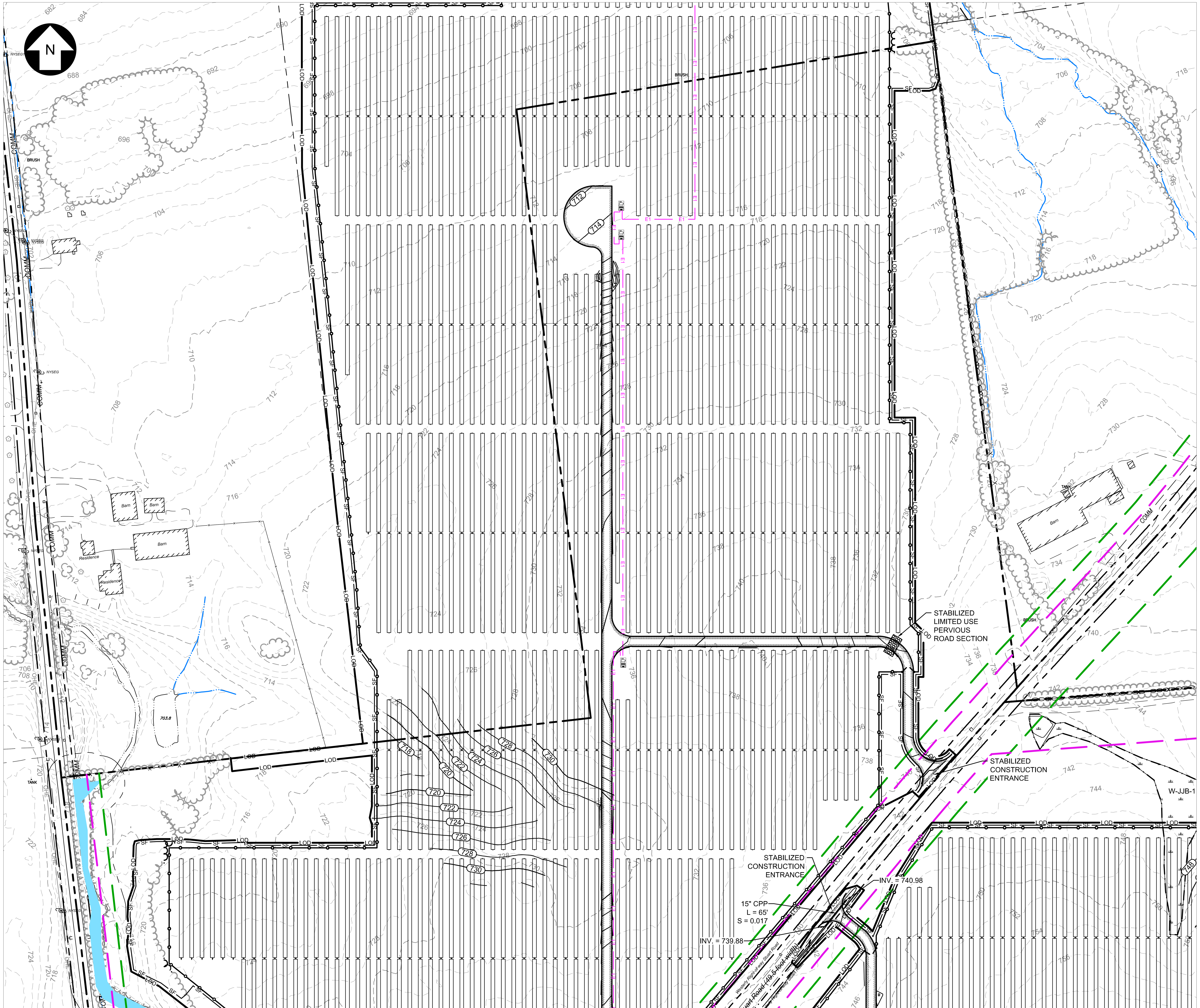

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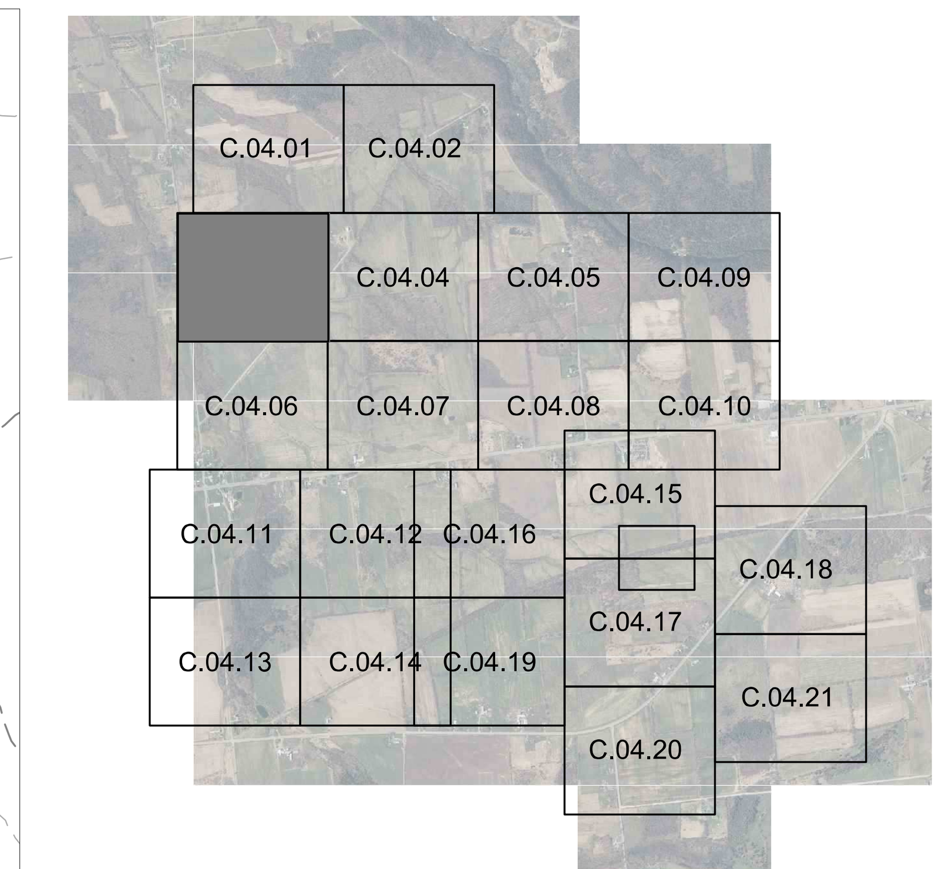
FOR CONTINUATION, SEE SHEET PV-C.04.06



KEY MAP
SCALE: 1" = 3000'

LEGEND

EXISTING		PROPOSED
	PROPERTY BOUNDARY	
	94C SETBACK	
	TOWN SETBACK	
	LIMIT OF DISTURBANCE	LOD
	SOIL BOUNDARY	
	SILT FENCE	SF SF
OHE	OVERHEAD ELECTRIC	
	CHAIN LINK FENCE	
X X	BARBED WIRE FENCE	X X
	GRAVEL ROAD	
	BASELINE	
	PV ARRAY	
	EQUIPMENT PADS & BOLLARDS	
598	MINOR CONTOUR	598
600	MAJOR CONTOUR	600
	WETLAND	
	STREAM	
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	COLLECTOR LINE	E1
	RIGHT OF WAY	
	PAVED ROAD	
	NON LEASE LINE	
	DRIVEWAY	
	HORIZONTAL DIRECTIONAL DRILL	

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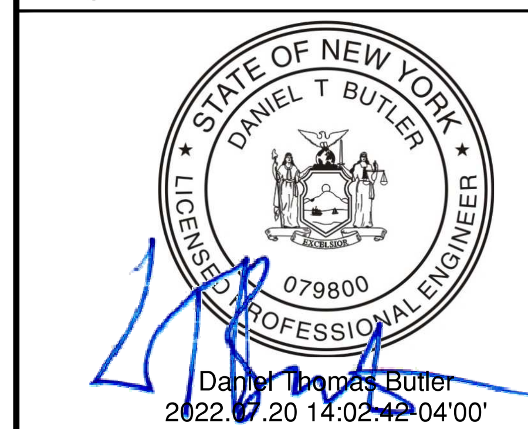

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PROJECT TITLE:

BROOKSIDE SOLAR PROJECT

PROJECT LOCATION:

TOWNS OF BURKE AND CHATEAUGAY, NY

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GRADING, DRAINAGE, AND EROSION CONTROL PLAN

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CHK:	J. HEIDIG
APV:	-
DATE:	05/21/2021

SCALE AT 22" x 34":
1" = 100'

SHEET NO: PV-C.04.03
REV: 2

PLOTTED: 7/19/2022 4:02 PM
c:\pwworkingemp\pw1\d3896960\422299-DWG-006.dwg
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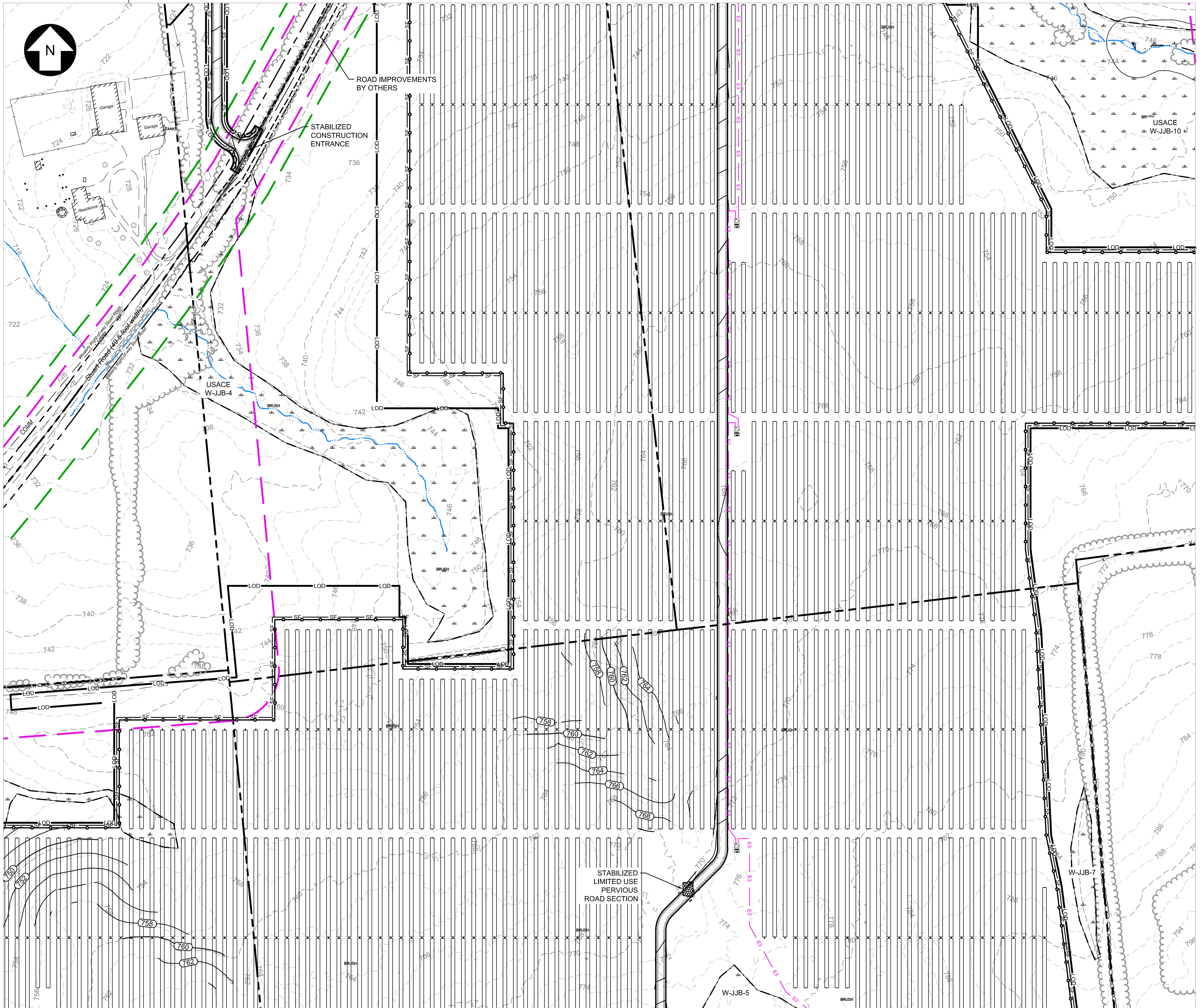
FOR CONTINUATION, SEE SHEET PV-C.04.01
FOR CONTINUATION, SEE SHEET PV-C.04.02
FOR CONTINUATION, SEE SHEET PV-C.04.03



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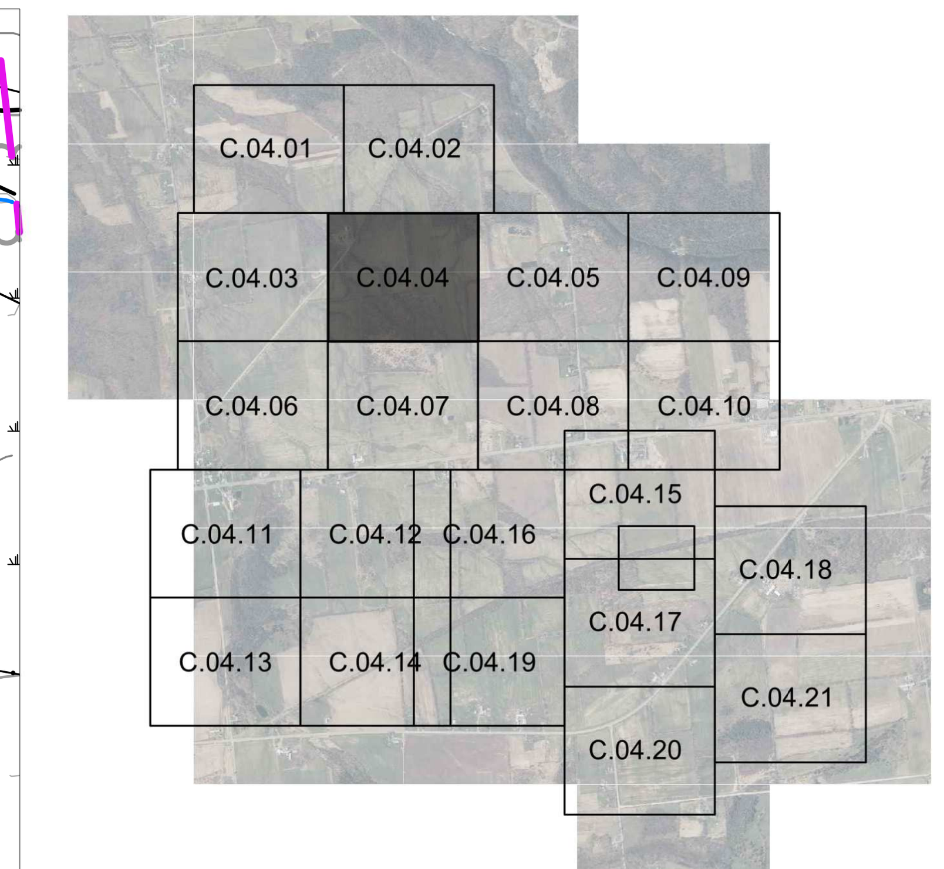

KEY MAP
SCALE: 1" = 3000'

LEGEND

EXISTING		PROPOSED
	PROPERTY BOUNDARY	
	94C SETBACK	
	TOWN SETBACK	
	LIMIT OF DISTURBANCE	LOD
	SOIL BOUNDARY	
	SILT FENCE	SF SF
OHE	OVERHEAD ELECTRIC	
	CHAIN LINK FENCE	
X X	BARBED WIRE FENCE	X X
	GRAVEL ROAD	
	BASELINE	
	PV ARRAY	
	EQUIPMENT PADS & BOLLARDS	
598	MINOR CONTOUR	598
600	MAJOR CONTOUR	600
	WETLAND	
	STREAM	
	WATER SURFACE	
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	BRUSH	
	BUILDING	
	STONE WALL	
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	LAYDOWN YARD	
	TOWN BOUNDARY	
	COLLECTOR LINE	E1
	RIGHT OF WAY	
	PAVED ROAD	
	NON LEASE LINE	
	DRIVEWAY	
	HORIZONTAL DIRECTIONAL DRILL	

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LICENSED PROFESSIONAL ENGINEER
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Daniel Thomas Butler
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KEY PLAN:

REVISIONS:

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BROOKSIDE SOLAR PROJECT

PROJECT LOCATION:
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PROJ NUM:	422299
DES:	C. WINTERMUTE
DWN:	C. WINTERMUTE
CHK:	J. HEIDIG
APV:	-
DATE:	05/21/2021

SCALE AT 22" x 34":
1" = 100'

SHEET NO: PV-C.04.04
REV: 2

PLOTTED: 7/19/2022 4:02 PM
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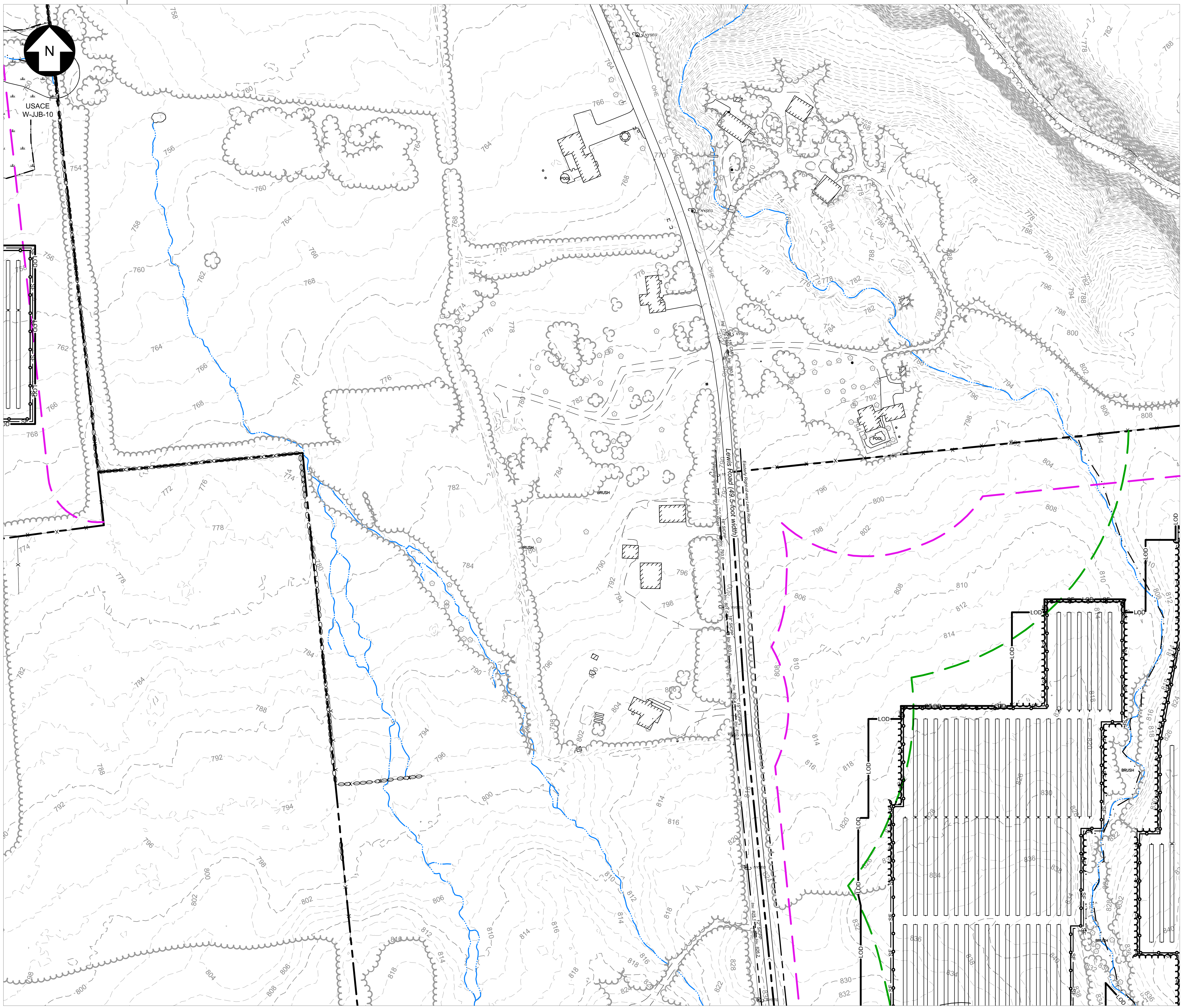
FOR CONTINUATION, SEE SHEET PV-C.04.02

FOR CONTINUATION, SEE SHEET PV-C.04.04



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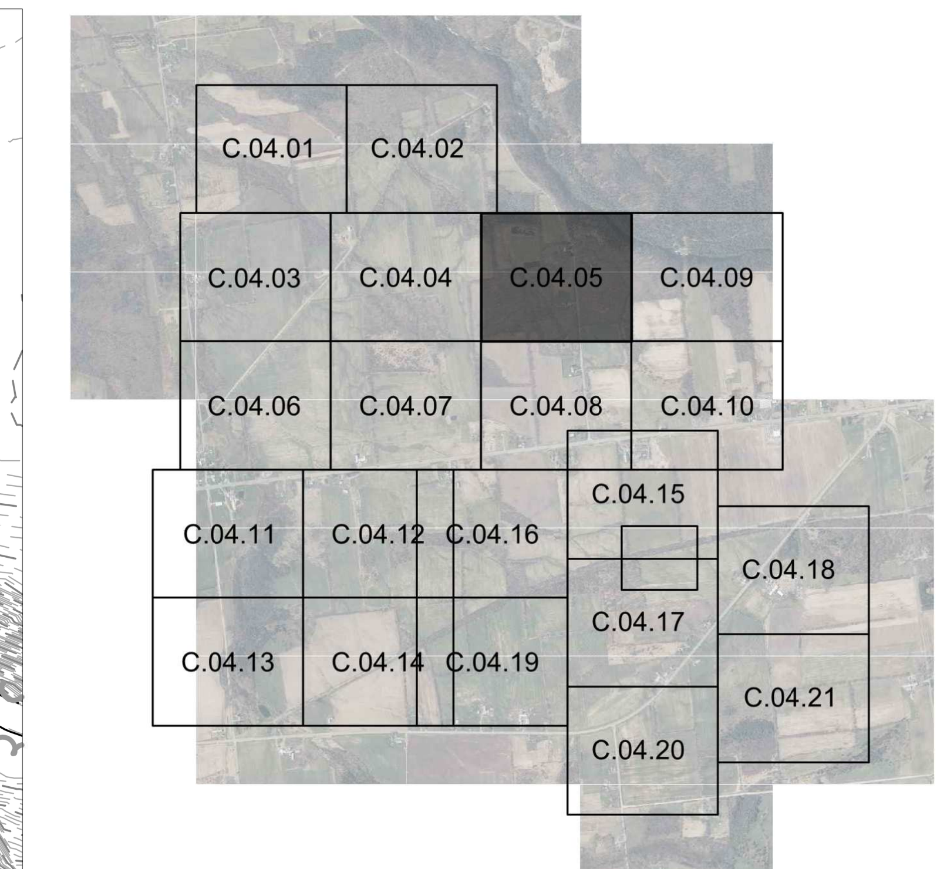
FOR CONTINUATION, SEE SHEET PV-C.04.08



KEY MAP

SCALE: 1" = 3000'

LEGEND

EXISTING / PROPOSED

PROPERTY BOUNDARY
94C SETBACK
TOWN SETBACK
LIMIT OF DISTURBANCE (LOD)
SOIL BOUNDARY
SILT FENCE (SF)
OVERHEAD ELECTRIC (OHE)
CHAIN LINK FENCE
BARBED WIRE FENCE
GRAVEL ROAD
BASELINE
PV ARRAY
EQUIPMENT PADS & BOLLARDS
MINOR CONTOUR (598)
MAJOR CONTOUR (600)
WETLAND
STREAM
WATER SURFACE
TREELINE
BRUSH
BUILDING
STONE WALL
UTILITY POLE
VALVE
CULVERT
WETLAND ADJACENT AREA / STREAM BUFFER
LAYDOWN YARD
TOWN BOUNDARY
COLLECTOR LINE (E1)
RIGHT OF WAY
PAVED ROAD
NON LEASE LINE
DRIVEWAY
HORIZONTAL DIRECTIONAL DRILL

PRELIMINARY
NOT FOR CONSTRUCTION

100 0 100 200 FT

SCALE: 1" = 100'

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

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(801) 679 - 3500

TRC
249 Western Avenue
Augusta, ME 04330

PE STAMP:

STATE OF NEW YORK
DANIEL T BUTLER
LICENSED PROFESSIONAL ENGINEER
079800
Daniel Thomas Butler
2022.07.20 14:03:08-04'00'

KEY PLAN:

REVISIONS:

NO.	DATE	DESCRIPTION
0	01/19/2022	DESIGN DRAWINGS
1	06/27/2022	ISSUED FOR PERMIT
2	07/20/2022	ISSUED FOR PERMIT
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

PROJECT TITLE:

BROOKSIDE SOLAR PROJECT

PROJECT LOCATION:

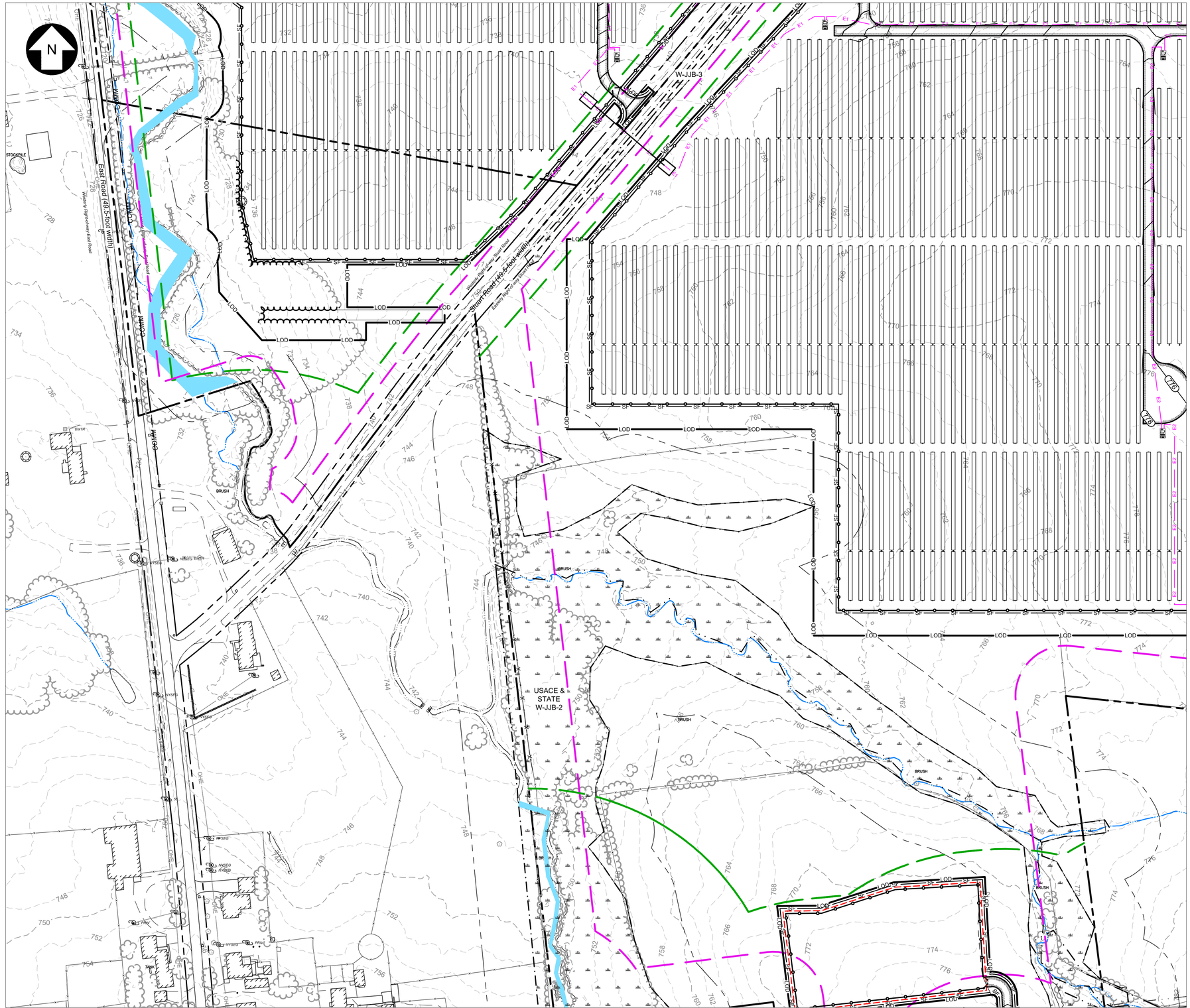
TOWNS OF BURKE AND CHATEAUGAY, NY

SHEET TITLE & DESCRIPTION:

GRADING, DRAINAGE, AND EROSION CONTROL PLAN

PROJ NUM:	422299
DES:	C. WINTERMUTE
DWN:	C. WINTERMUTE
CHK:	J. HEIDIG
APV:	-
DATE:	05/21/2021
SCALE AT 22" x 34":	1" = 100'
SHEET NO:	PV-C.04.05
REV:	2

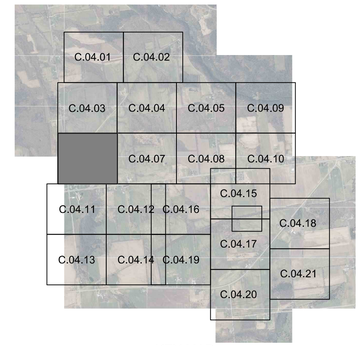
FOR CONTINUATION, SEE SHEET PV-C.04.03



FOR CONTINUATION, SEE SHEET PV-C.04.11

FOR CONTINUATION, SEE SHEET PV-C.04.12

FOR CONTINUATION, SEE SHEET PV-C.04.07



KEY MAP
SCALE: 1" = 3000'

LEGEND

EXISTING		PROPOSED
	PROPERTY BOUNDARY	
	94C SETBACK	
	TOWN SETBACK	
	LIMIT OF DISTURBANCE	LOD
	SOIL BOUNDARY	
SF SF	SILT FENCE	SF SF
OHE	OVERHEAD ELECTRIC	
	CHAIN LINK FENCE	
X X	BARBED WIRE FENCE	X X
	GRAVEL ROAD	
	BASELINE	
	PV ARRAY	
	EQUIPMENT PADS & BOLLARDS	
598	MINOR CONTOUR	598
600	MAJOR CONTOUR	600
	WETLAND	
	STREAM	
	WATER SURFACE	
	TREELINE	
	BRUSH	
	BUILDING	
	STONE WALL	
	UTILITY POLE	
	VALVE	
	CULVERT	
	WETLAND ADJACENT AREA / STREAM BUFFER	
	LAYDOWN YARD	
	TOWN BOUNDARY	
	COLLECTOR LINE	E1
	RIGHT OF WAY	
	PAVED ROAD	
	NON LEASE LINE	
	DRIVEWAY	
	HORIZONTAL DIRECTIONAL DRILL	

Dig Safely. New York Call 811 before you dig

PRELIMINARY
NOT FOR CONSTRUCTION

100 0 100 200 FT
SCALE: 1" = 100'

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Augusta, ME 04330

PE STAMP:

STATE OF NEW YORK · DANIEL T BUTLER · LICENSED PROFESSIONAL ENGINEER · 079800

Daniel Thomas Butler
2022.07.20 14:03:21 -04'00'

KEY PLAN:

REVISIONS:

NO.	DATE	DESCRIPTION
0	01/19/2022	DESIGN DRAWINGS
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2	07/20/2022	ISSUED FOR PERMIT
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-	-	-
-	-	-
-	-	-
-	-	-

PROJECT TITLE:

BROOKSIDE SOLAR PROJECT

PROJECT LOCATION:

TOWNS OF BURKE AND CHATEAUGAY, NY

SHEET TITLE & DESCRIPTION:

GRADING, DRAINAGE, AND EROSION CONTROL PLAN

PROJ NUM:	422299
DES:	C. WINTERMUTE
DWN:	C. WINTERMUTE
CHK:	J. HEIDIG
APV:	-
DATE:	05/21/2021

SCALE AT 22" x 34":

1" = 100'

SHEET NO: PV-C.04.06

REV: 2

PLOTTED: 7/19/2022 4:03 PM
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FOR CONTINUATION, SEE SHEET PV-C.04.04

FOR CONTINUATION, SEE SHEET PV-C.04.06

FOR CONTINUATION, SEE SHEET PV-C.04.08

FOR CONTINUATION, SEE SHEET PV-C.01.12

FOR CONTINUATION, SEE SHEET PV-C.01.16

N

STABILIZED LIMITED USE PERVIOUS ROAD SECTION

W-JJB-5

W-JJB-8

W-JJB-6

USACE W-NSD-4

USACE & STATE W-NSD-3

USACE & STATE W-NSD-3

USACE & STATE W-NSD-23

Town of Chateaugay

Town of Burke

Northerly Bounds US Route 11

US Route 11 (variable width)

Southerly Bounds US Route 11

Residence

Garage

Barn

Barn

BRUSH

LOD

SF

E1 E2 E3

KEY MAP

SCALE: 1" = 3000'

C.04.01 C.04.02
C.04.03 C.04.04 C.04.05 C.04.09
C.04.06 C.04.07 C.04.08 C.04.10
C.04.11 C.04.12 C.04.16 C.04.15 C.04.18
C.04.13 C.04.14 C.04.19 C.04.17 C.04.21
C.04.20

LEGEND

EXISTING		PROPOSED
	PROPERTY BOUNDARY	
	94C SETBACK	
	TOWN SETBACK	
	LIMIT OF DISTURBANCE	LOD
	SOIL BOUNDARY	
SF SF	SILT FENCE	SF SF
OHE	OVERHEAD ELECTRIC	
	CHAIN LINK FENCE	
X X	BARBED WIRE FENCE	X X
	GRAVEL ROAD	
	BASELINE	
	PV ARRAY	
	EQUIPMENT PADS & BOLLARDS	
598	MINOR CONTOUR	598
600	MAJOR CONTOUR	600
	WETLAND	
	STREAM	
	WATER SURFACE	
	TREELINE	
	BRUSH	
	BUILDING	
	STONE WALL	
	UTILITY POLE	
	VALVE	
	CULVERT	
	WETLAND ADJACENT AREA / STREAM BUFFER	
	LAYDOWN YARD	
	TOWN BOUNDARY	
	COLLECTOR LINE	E1
	RIGHT OF WAY	
	PAVED ROAD	
	NON LEASE LINE	
	DRIVEWAY	
	HORIZONTAL DIRECTIONAL DRILL	

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100 0 100 200 FT

SCALE: 1" = 100'

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KEY PLAN:

REVISIONS:

NO.	DATE	DESCRIPTION
0	01/19/2022	DESIGN DRAWINGS
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-	-	-
-	-	-
-	-	-
-	-	-

PROJECT TITLE:

BROOKSIDE SOLAR PROJECT

PROJECT LOCATION:

TOWNS OF BURKE AND CHATEAUGAY, NY

SHEET TITLE & DESCRIPTION:

GRADING, DRAINAGE, AND EROSION CONTROL PLAN

PROJ NUM:	422299
DES:	C. WINTERMUTE
DWN:	C. WINTERMUTE
CHK:	J. HEIDIG
APV:	-
DATE:	05/21/2021

SCALE AT 22" x 34":

1" = 100'

SHEET NO: PV-C.04.07

REV: 2

PLOTTED: 7/19/2022 4:49 PM
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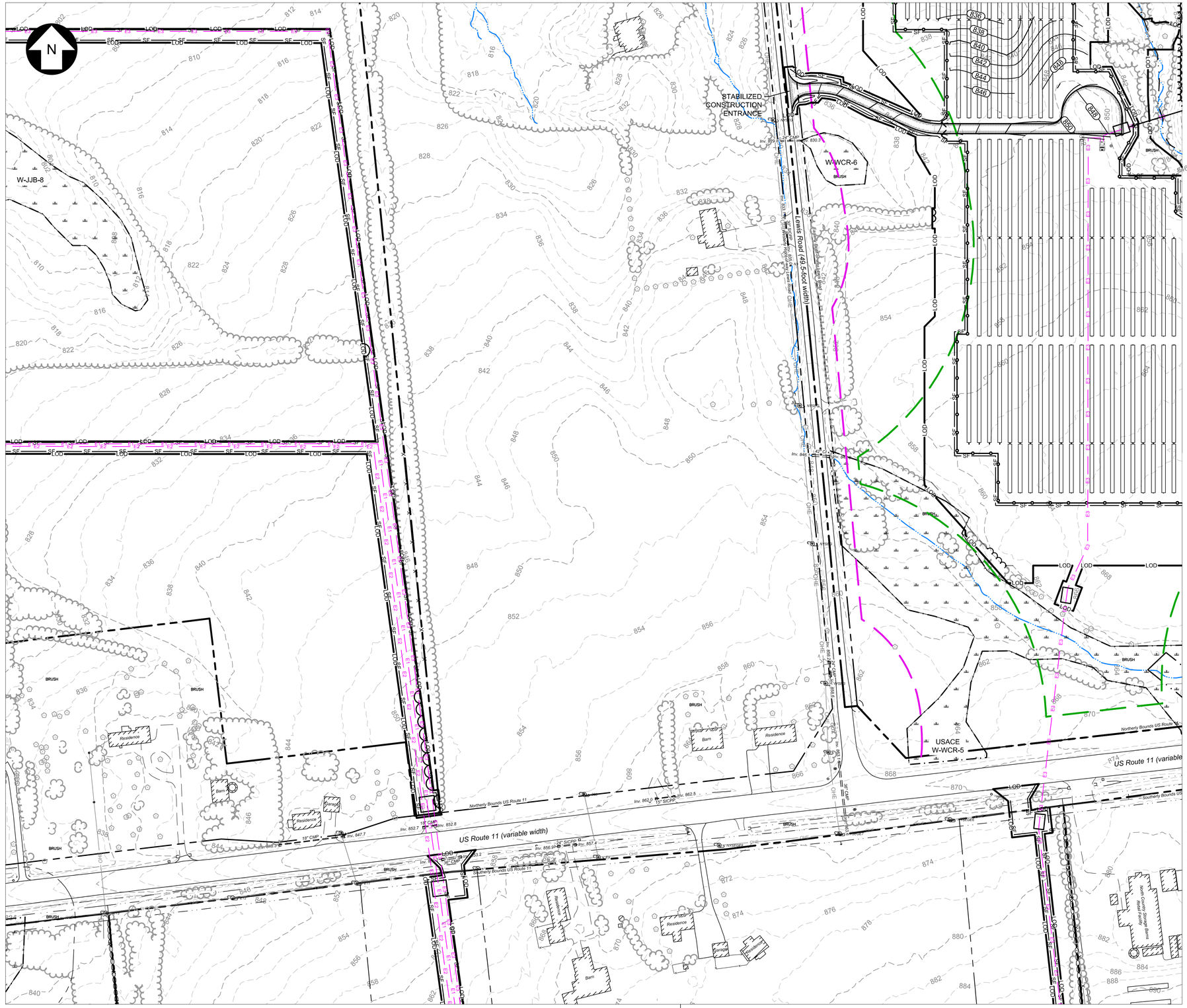
FOR CONTINUATION, SEE SHEET PV-C.04.05

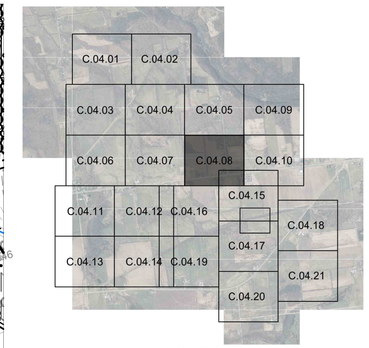


FOR CONTINUATION, SEE SHEET PV-C.04.07

FOR CONTINUATION, SEE SHEET PV-C.04.16

FOR CONTINUATION, SEE SHEET PV-C.04.15

FOR CONTINUATION, SEE SHEET PV-C.04.10



KEY MAP
SCALE: 1" = 3000'

LEGEND

EXISTING		PROPOSED
	PROPERTY BOUNDARY	
	94C SETBACK	
	TOWN SETBACK	
	LIMIT OF DISTURBANCE	LOD
	SOIL BOUNDARY	
SF	SILT FENCE	SF
OHE	OVERHEAD ELECTRIC	
	CHAIN LINK FENCE	
X	BARBED WIRE FENCE	X
	GRAVEL ROAD	
	BASELINE	
	PV ARRAY	
	EQUIPMENT PADS & BOLLARDS	
598	MINOR CONTOUR	598
600	MAJOR CONTOUR	600
	WETLAND	
	STREAM	
	WATER SURFACE	
	TREELINE	
	BRUSH	
	BUILDING	
	STONE WALL	
	UTILITY POLE	
	VALVE	
	CULVERT	
	WETLAND ADJACENT AREA / STREAM BUFFER	
	LAYDOWN YARD	
	TOWN BOUNDARY	
	COLLECTOR LINE	E1
	RIGHT OF WAY	
	PAVED ROAD	
	NON LEASE LINE	
	DRIVEWAY	
	HORIZONTAL DIRECTIONAL DRILL	

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100 0 100 200 FT
SCALE: 1" = 100'

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Daniel Thomas Butler
2022.07.20 14:03:51 -04'00'

KEY PLAN:

REVISIONS:

NO.	DATE	DESCRIPTION
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-	-	-
-	-	-
-	-	-

PROJECT TITLE:

BROOKSIDE SOLAR PROJECT

PROJECT LOCATION:

TOWNS OF BURKE AND CHATEAUGAY, NY

SHEET TITLE & DESCRIPTION:

GRADING, DRAINAGE, AND EROSION CONTROL PLAN

PROJ NUM:	422299
DES:	C. WINTERMUTE
DWN:	C. WINTERMUTE
CHK:	J. HEIDIG
APV:	-
DATE:	05/21/2021

SCALE AT 22" x 34":

1" = 100'

SHEET NO: PV-C.04.08

REV: 2

PLOTTED: 7/18/2022 4:05 PM
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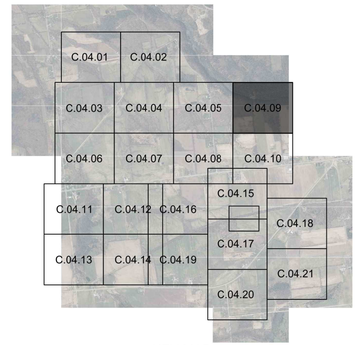
FOR CONTINUATION, SEE SHEET PV-C.04.05

FOR CONTINUATION, SEE SHEET PV-C.04.10



KEY MAP
SCALE: 1" = 3000'

LEGEND

EXISTING		PROPOSED
	PROPERTY BOUNDARY	
	94C SETBACK	
	TOWN SETBACK	
	LIMIT OF DISTURBANCE	LOD
	SOIL BOUNDARY	
SF	SILT FENCE	SF
OHE	OVERHEAD ELECTRIC	
	CHAIN LINK FENCE	
X	BARBED WIRE FENCE	X
	GRAVEL ROAD	
	BASELINE	
	PV ARRAY	
	EQUIPMENT PADS & BOLLARDS	
598	MINOR CONTOUR	598
600	MAJOR CONTOUR	600
	WETLAND	
	STREAM	
	WATER SURFACE	
	TREELINE	
	BRUSH	
	BUILDING	
	STONE WALL	
	UTILITY POLE	
	VALVE	
	CULVERT	
	WETLAND ADJACENT AREA / STREAM BUFFER	
	LAYDOWN YARD	
	TOWN BOUNDARY	
	COLLECTOR LINE	E1
	RIGHT OF WAY	
	PAVED ROAD	
	NON LEASE LINE	
	DRIVEWAY	
	HORIZONTAL DIRECTIONAL DRILL	

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SCALE: 1" = 100'

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Daniel Thomas Butler
2022.07.20 14:04:04 -04'00'

KEY PLAN:

REVISIONS:

NO.	DATE	DESCRIPTION
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-	-	-
-	-	-
-	-	-

PROJECT TITLE:

BROOKSIDE SOLAR PROJECT

PROJECT LOCATION:

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SHEET TITLE & DESCRIPTION:

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DWN:	C. WINTERMUTE
CHK:	J. HEIDIG
APV:	-
DATE:	05/21/2021

SCALE AT 22" x 34":

1" = 100'

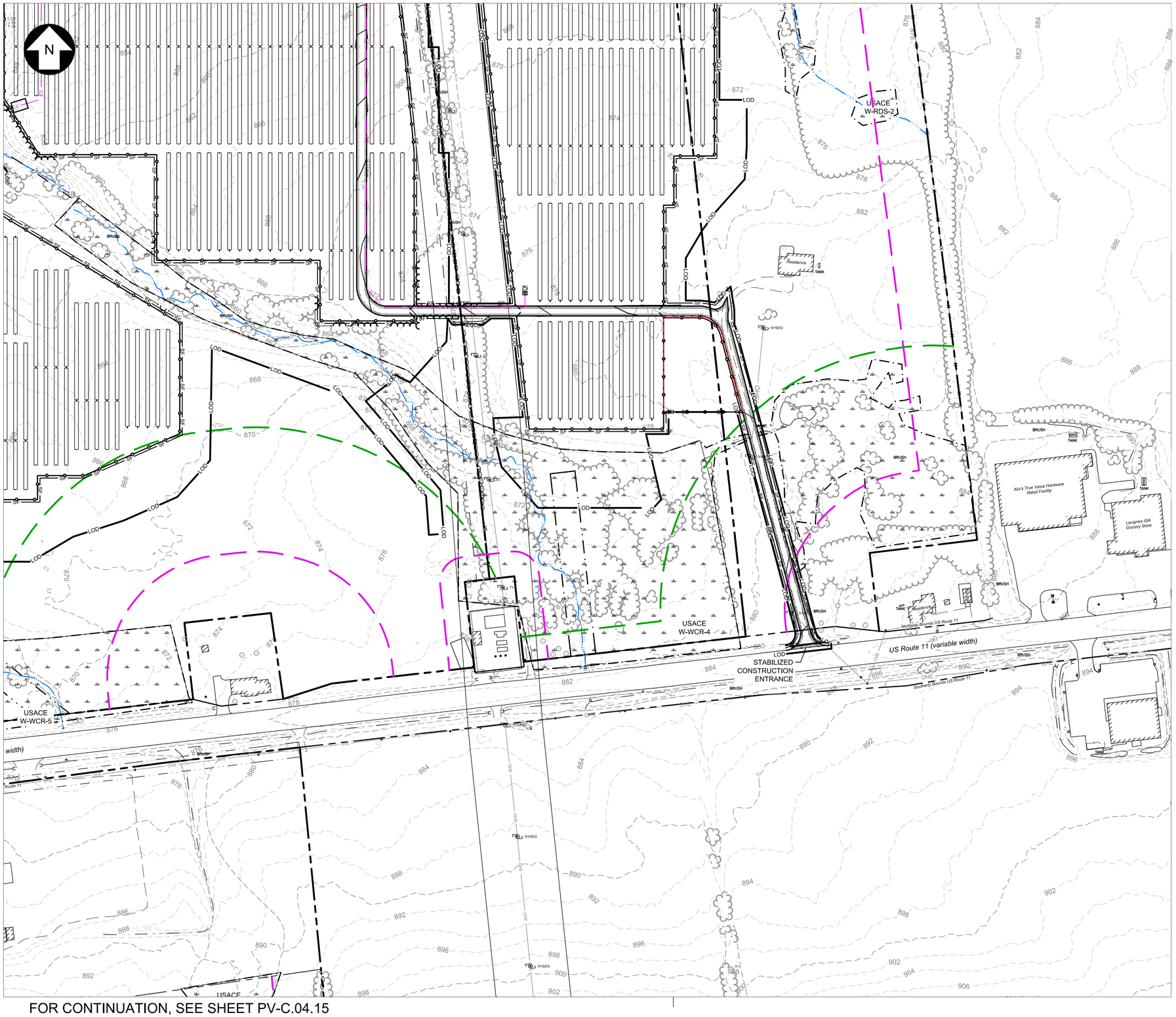
SHEET NO: PV-C.04.09

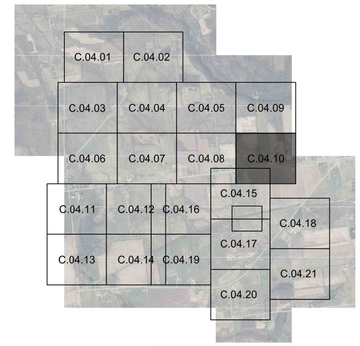
REV: 2

FOR CONTINUATION, SEE SHEET PV-C.04.09

FOR CONTINUATION, SEE SHEET PV-C.04.08

FOR CONTINUATION, SEE SHEET PV-C.04.15





KEY MAP
SCALE: 1" = 3000'

LEGEND

EXISTING		PROPOSED
	PROPERTY BOUNDARY	
	94C SETBACK	
	TOWN SETBACK	
LOD	LIMIT OF DISTURBANCE	LOD
	SOIL BOUNDARY	
SF SF	SILT FENCE	SF SF
OHE	OVERHEAD ELECTRIC	
	CHAIN LINK FENCE	
X X	BARBED WIRE FENCE	X X
	GRAVEL ROAD	
	BASELINE	
	PV ARRAY	
	EQUIPMENT PADS & BOLLARDS	
598	MINOR CONTOUR	598
600	MAJOR CONTOUR	600
	WETLAND	
	STREAM	
	WATER SURFACE	
	TREELINE	
	BRUSH	
	BUILDING	
	STONE WALL	
	UTILITY POLE	
	VALVE	
	CULVERT	
	WETLAND ADJACENT AREA / STREAM BUFFER	
	LAYDOWN YARD	
	TOWN BOUNDARY	
	COLLECTOR LINE	E1
	RIGHT OF WAY	
	PAVED ROAD	
	NON LEASE LINE	
	DRIVEWAY	
	HORIZONTAL DIRECTIONAL DRILL	

Call 811 before you dig

PRELIMINARY
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100 0 100 200 FT
SCALE: 1" = 100'

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PE STAMP:

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Daniel T Butler
2022.07.20 11:04:18-04'00'

KEY PLAN:

REVISIONS:

NO.	DATE	DESCRIPTION
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-	-	-
-	-	-
-	-	-
-	-	-

PROJECT TITLE:

BROOKSIDE SOLAR PROJECT

PROJECT LOCATION:

TOWNS OF BURKE AND CHATEAUGAY, NY

SHEET TITLE & DESCRIPTION:

GRADING, DRAINAGE, AND EROSION CONTROL PLAN

PROJ NUM:	422299
DES:	C. WINTERMUTE
DWN:	C. WINTERMUTE
CHK:	J. HEIDIG
APV:	-
DATE:	05/21/2021

SCALE AT 22" x 34":

1" = 100'

SHEET NO: PV-C.04.10

REV: 2

PLOTTED: 7/19/2022 4:06 PM
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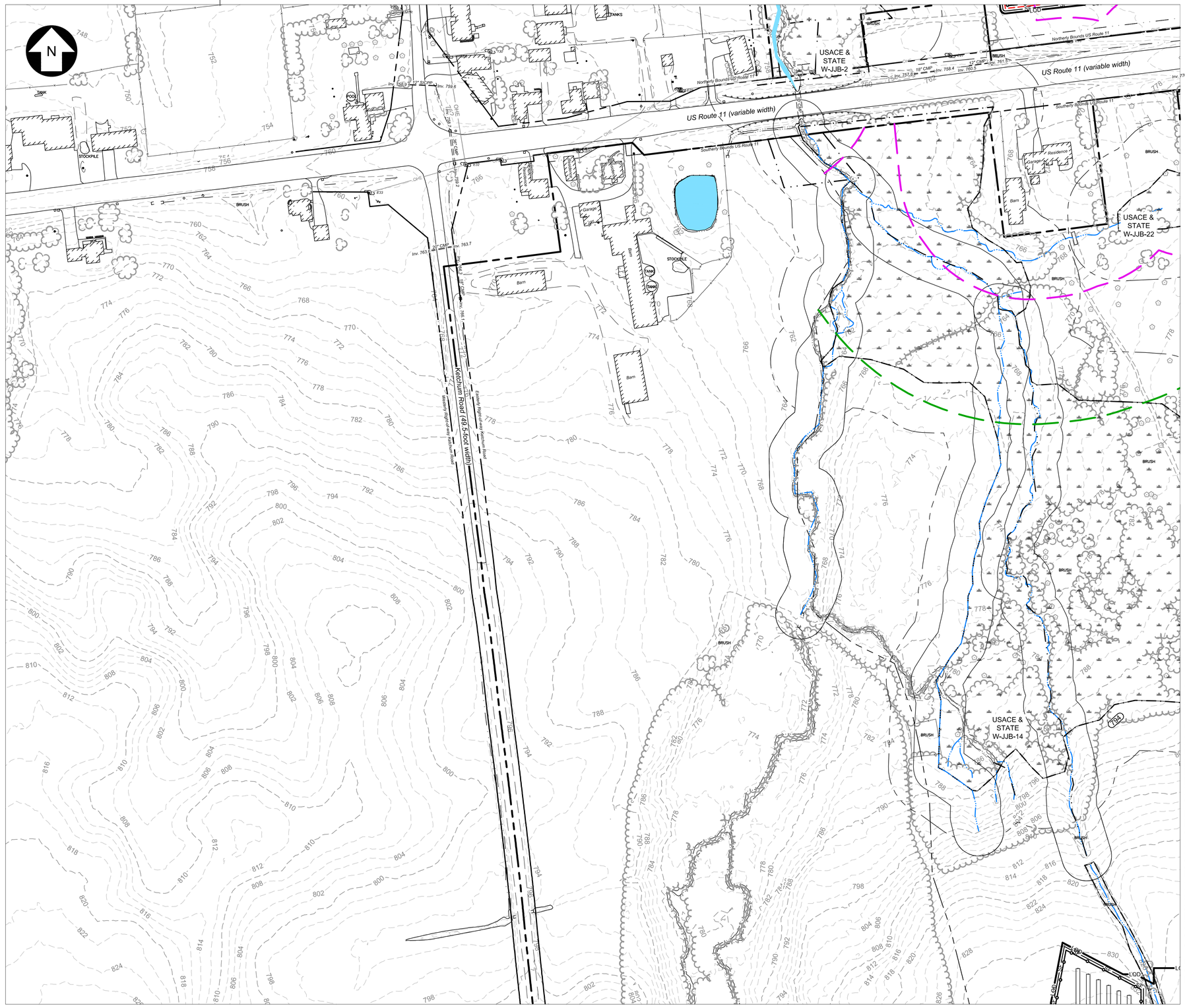
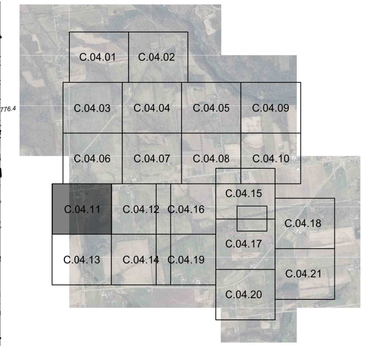


FOR CONTINUATION, SEE SHEET PV-C.04.13

FOR CONTINUATION, SEE SHEET PV-C.04.12



KEY MAP
SCALE: 1" = 3000'

LEGEND

EXISTING		PROPOSED
	PROPERTY BOUNDARY	
	94C SETBACK	
	TOWN SETBACK	
	LIMIT OF DISTURBANCE	LOD
	SOIL BOUNDARY	
SF	SILT FENCE	SF
OHE	OVERHEAD ELECTRIC	
	CHAIN LINK FENCE	
X	BARBED WIRE FENCE	X
	GRAVEL ROAD	
	BASELINE	
	PV ARRAY	
	EQUIPMENT PADS & BOLLARDS	
598	MINOR CONTOUR	598
600	MAJOR CONTOUR	600
	WETLAND	
	STREAM	
	WATER SURFACE	
	TREELINE	
BRUSH	BRUSH	
	BUILDING	
	STONE WALL	
	UTILITY POLE	
	VALVE	
	CULVERT	
	WETLAND ADJACENT AREA / STREAM BUFFER	
	LAYDOWN YARD	
	TOWN BOUNDARY	
	COLLECTOR LINE	E1
	RIGHT OF WAY	
	PAVED ROAD	
	NON LEASE LINE	
	DRIVEWAY	
	HORIZONTAL DIRECTIONAL DRILL	

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SCALE: 1" = 100'

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249 Western Avenue
Augusta, ME 04330

PE STAMP:

STATE OF NEW YORK
DANIEL T BUTLER
079800
LICENSED PROFESSIONAL ENGINEER

Daniel Thomas Butler
2022.07.20 14:04:32 -04'00'

KEY PLAN:

REVISIONS:

NO.	DATE	DESCRIPTION
0	01/19/2022	DESIGN DRAWINGS
1	06/27/2022	ISSUED FOR PERMIT
2	07/20/2022	ISSUED FOR PERMIT
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-	-	-

PROJECT TITLE:

BROOKSIDE SOLAR PROJECT

PROJECT LOCATION:

TOWNS OF BURKE AND CHATEAUGAY, NY

SHEET TITLE & DESCRIPTION:

GRADING, DRAINAGE, AND EROSION CONTROL PLAN

PROJ NUM:	422299
DES:	C. WINTERMUTE
DWN:	C. WINTERMUTE
CHK:	J. HEIDIG
APV:	-
DATE:	05/21/2021

SCALE AT 22" x 34":

1" = 100'

SHEET NO: PV-C.04.11

REV: 2

PLOTTED: 7/19/2022 4:58 PM
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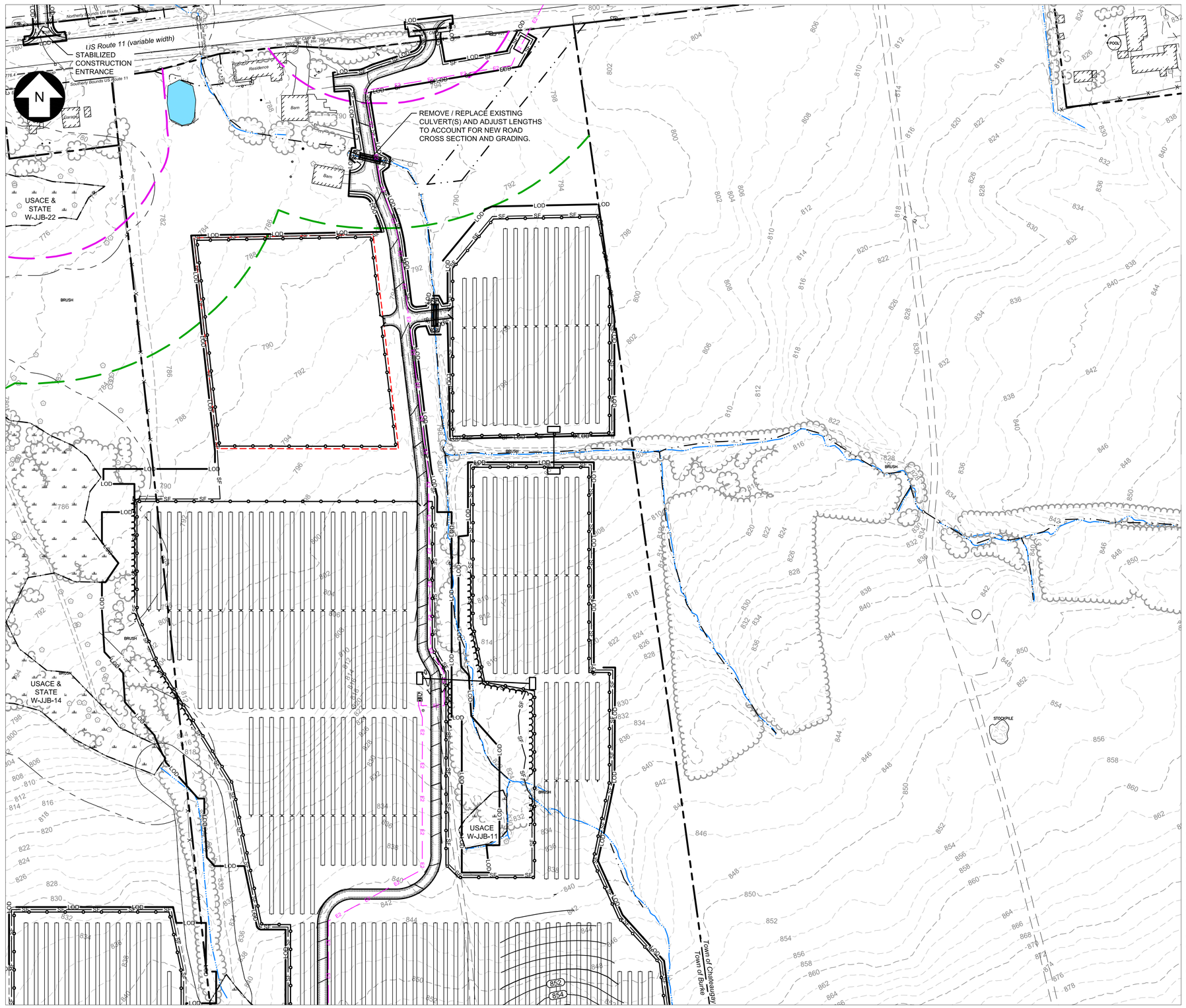
FOR CONTINUATION, SEE SHEET PV-C.04.06

FOR CONTINUATION, SEE SHEET PV-C.04.07

FOR CONTINUATION, SEE SHEET PV-C.04.11



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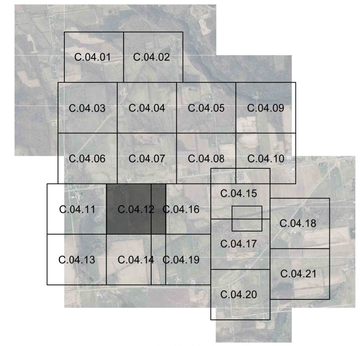
FOR CONTINUATION, SEE SHEET PV-C.04.16



KEY MAP
SCALE: 1" = 3000'

LEGEND

EXISTING		PROPOSED
	PROPERTY BOUNDARY	
	94C SETBACK	
	TOWN SETBACK	
	LIMIT OF DISTURBANCE	LOD
	SOIL BOUNDARY	
SF SF	SILT FENCE	SF SF
OHE	OVERHEAD ELECTRIC	
	CHAIN LINK FENCE	
X X	BARBED WIRE FENCE	X X
	GRAVEL ROAD	
	BASELINE	
	PV ARRAY	
	EQUIPMENT PADS & BOLLARDS	
598	MINOR CONTOUR	598
600	MAJOR CONTOUR	600
	WETLAND	
	STREAM	
	WATER SURFACE	
	TREELINE	
	BRUSH	
	BUILDING	
	STONE WALL	
	UTILITY POLE	
	VALVE	
	CULVERT	
	WETLAND ADJACENT AREA / STREAM BUFFER	
	LAYDOWN YARD	
	TOWN BOUNDARY	
	COLLECTOR LINE	E1
	RIGHT OF WAY	
	PAVED ROAD	
	NON LEASE LINE	
	DRIVEWAY	
	HORIZONTAL DIRECTIONAL DRILL	

Call 811 before you dig

PRELIMINARY
NOT FOR CONSTRUCTION

100 0 100 200 FT
SCALE: 1" = 100'

aes
2180 South 1300 East, Suite 600
Salt Lake City, UT 84106-2749
(801) 679 - 3500

TRC
249 Western Avenue
Augusta, ME 04330

PE STAMP:

STATE OF NEW YORK · DANIEL T BUTLER · LICENSED · 079800 · PROFESSIONAL ENGINEER

Daniel T Butler
2022.07.20 14:04:59 -04'00'

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CHK:	J. HEIDIG
APV:	-
DATE:	05/21/2021

SCALE AT 22" x 34":

1" = 100'

SHEET NO: PV-C.04.12

REV: 2

PLOTTED: 7/19/2022 4:09 PM
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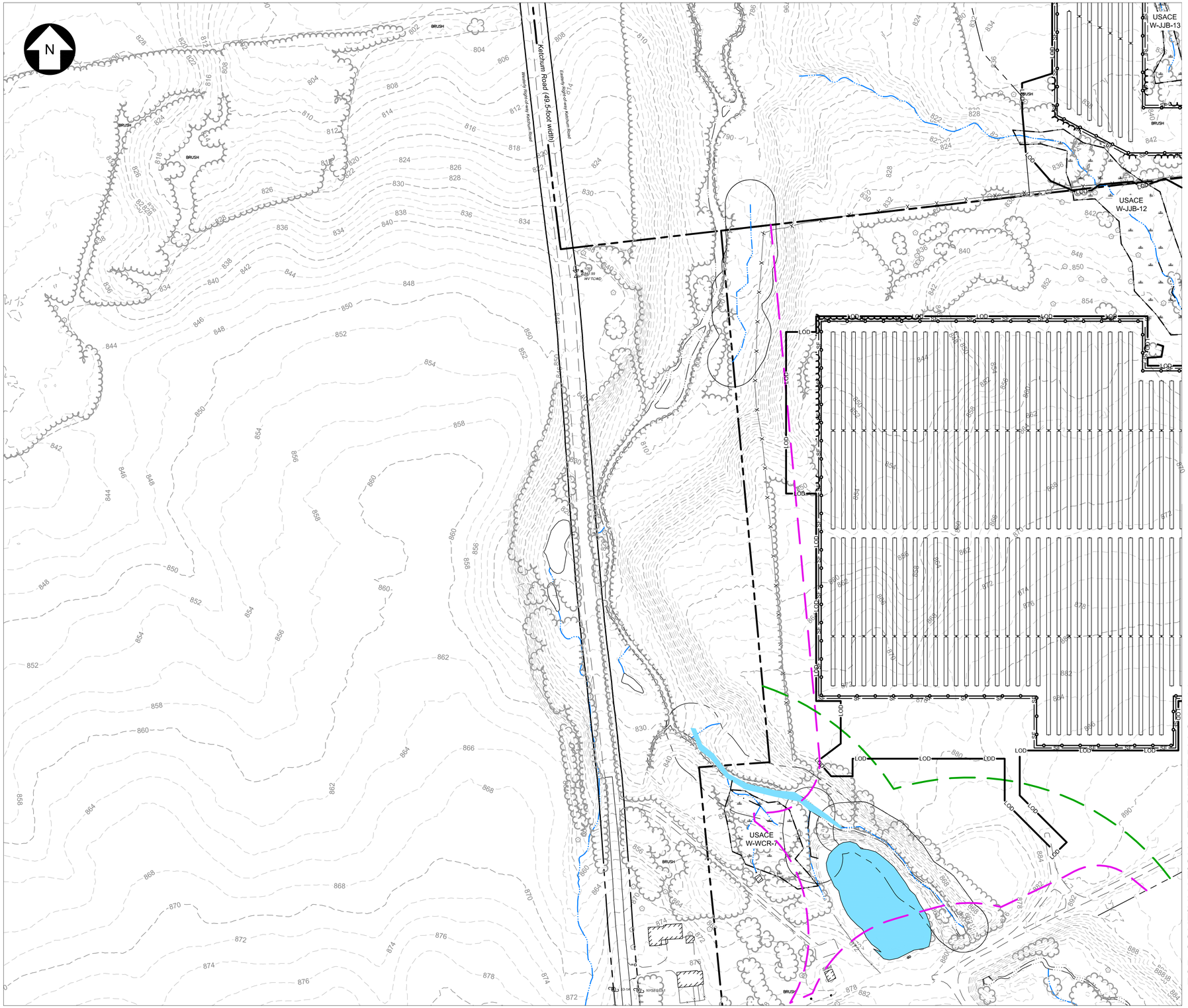
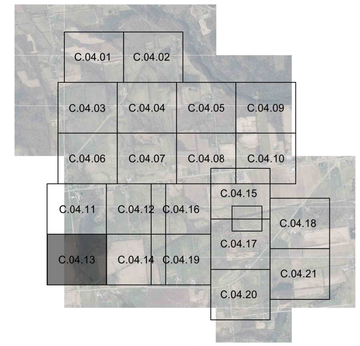
FOR CONTINUATION, SEE SHEET PV-C.04.11



FOR CONTINUATION, SEE SHEET PV-C.04.14



KEY MAP
SCALE: 1" = 3000'

LEGEND

EXISTING		PROPOSED
	PROPERTY BOUNDARY	
	94C SETBACK	
	TOWN SETBACK	
	LIMIT OF DISTURBANCE	LOD
	SOIL BOUNDARY	
SF	SILT FENCE	SF
OHE	OVERHEAD ELECTRIC	
	CHAIN LINK FENCE	
X	BARBED WIRE FENCE	X
	GRAVEL ROAD	
	BASELINE	
	PV ARRAY	
	EQUIPMENT PADS & BOLLARDS	
598	MINOR CONTOUR	598
600	MAJOR CONTOUR	600
	WETLAND	
	STREAM	
	WATER SURFACE	
	TREELINE	
BRUSH	BRUSH	
	BUILDING	
	STONE WALL	
	UTILITY POLE	
	VALVE	
	CULVERT	
	WETLAND ADJACENT AREA / STREAM BUFFER	
	LAYDOWN YARD	
	TOWN BOUNDARY	
	COLLECTOR LINE	E1
	RIGHT OF WAY	
	PAVED ROAD	
	NON LEASE LINE	
	DRIVEWAY	
	HORIZONTAL DIRECTIONAL DRILL	

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100 0 100 200 FT
SCALE: 1" = 100'

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Daniel Thomas Butler
2022.07.20 14:05:04-04'00'

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CHK:	J. HEIDIG
APV:	-
DATE:	05/21/2021

SCALE AT 22" x 34":

1" = 100'

SHEET NO: PV-C.04.13
REV: 2

PLOTTED: 7/19/2022 4:10 PM
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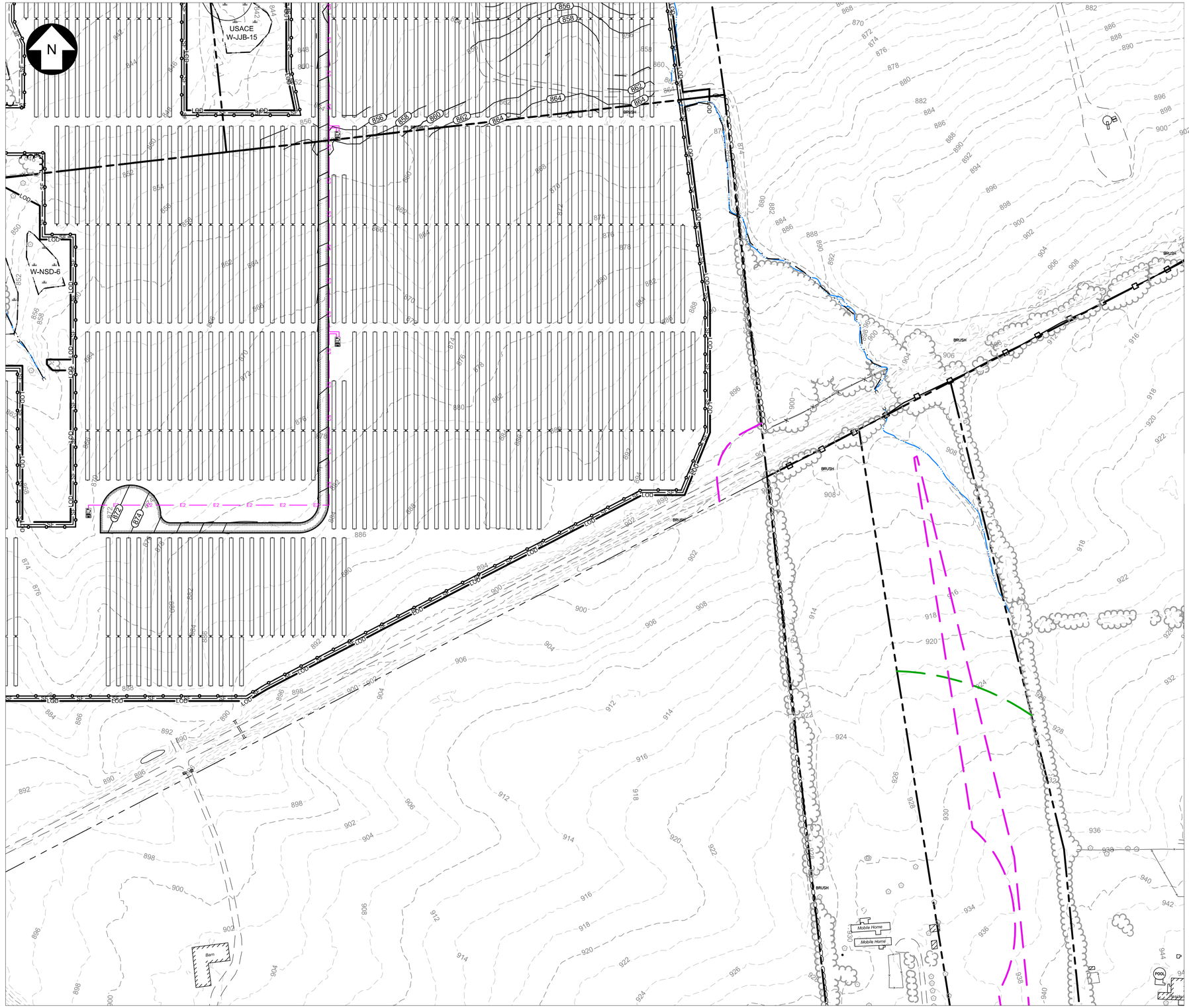
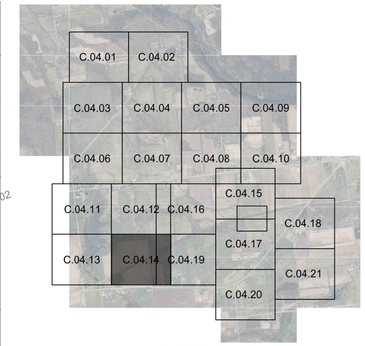
FOR CONTINUATION, SEE SHEET PV-C.04.12

FOR CONTINUATION, SEE SHEET PV-C.04.13

FOR CONTINUATION, SEE SHEET PV-C.04.19





KEY MAP
SCALE: 1" = 3000'

LEGEND

EXISTING		PROPOSED
	PROPERTY BOUNDARY	
	94C SETBACK	
	TOWN SETBACK	
	LIMIT OF DISTURBANCE	LOD
	SOIL BOUNDARY	
SF SF	SILT FENCE	SF SF
OHE	OVERHEAD ELECTRIC	
	CHAIN LINK FENCE	
X X	BARBED WIRE FENCE	X X
	GRAVEL ROAD	
	BASELINE	
	PV ARRAY	
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Digitally signed by Daniel Thomas Butler
2022.07.26 14:05:47 -04'00'

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PV-C.04.14	2

PLOTTED: 7/19/2022 4:10 PM
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