DEFINITIVE SUBDIVISION PLAN

PARCEL NUMBER 40-14-9
278 OSBORNE ROAD
TOWN OF WARE, HAMPSHIRE COUNTY
BK 51160-177, LOT 14
TOWN OF HARDWICK, WORCESTER COUNTY
MASSACHUSETTS

TOWN OF WARE

ZONE - RR
AREA -60,000 S.F.
FRONTAGE - 150'
FRONT - 25 FT. (SOLAR)
SIDE - 25 FT. (SOLAR)
REAR - 25 FT. (SOLAR)

50 FT. MIN BUFFER TO RESIDENTIAL USE FOR SOLAR FIELDS

TOWN OF HARDWICK

ZONE - AR-60 AREA -60,000 S.F. FRONTAGE - 200' FRONT - 35 FT. SIDE - 40 FT.

50 FT. MIN BUFFER TO RESIDENTIAL USE

RECORD PARCELS (ASSESSORS)

HARDWICK 124/094.0-0000-0014.0

RECORD OWNERS JOEL J HARDER

54 GOULD ROAD WARE, MA 01082 DB.11374 PG.181 DB.51160 PG.177

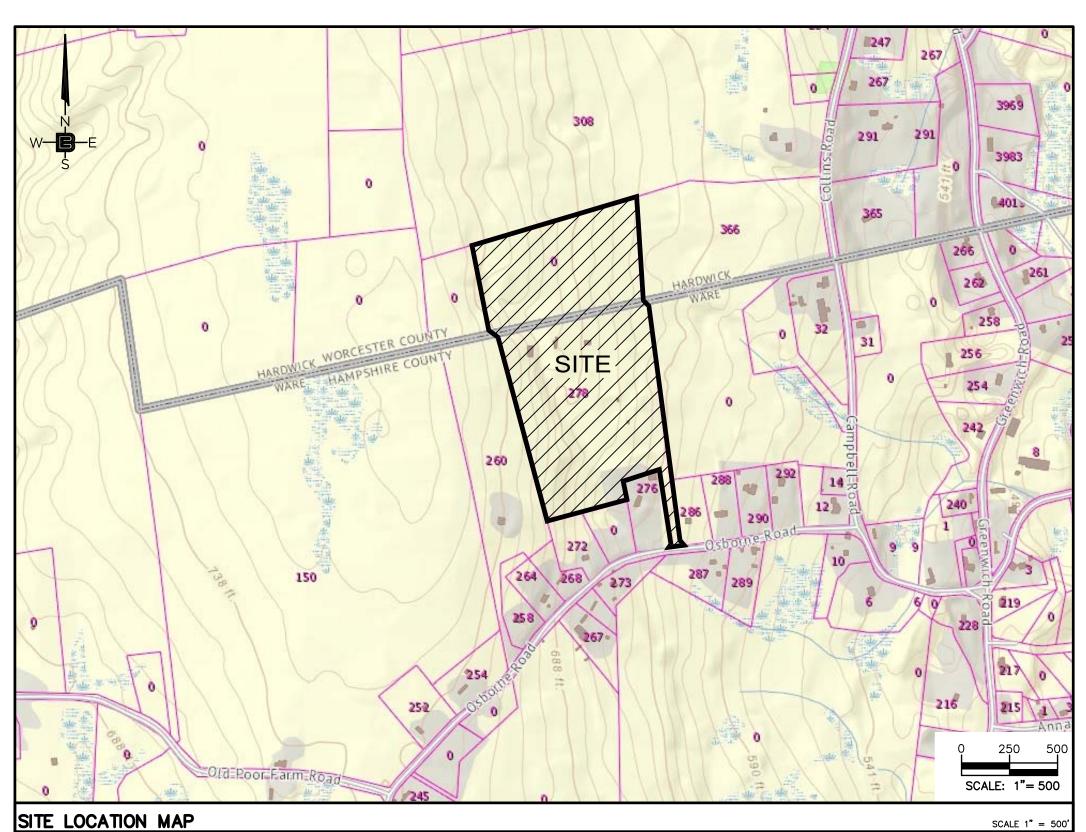
DEVELOPER/APPLICANT MELINK SOLAR DEVELOPMENT

276 N. FOREST AVE. NE MARIETTA, GA 30060

<u>PERMITS</u>

SPECIAL PERMIT - WARE PLANNING BOARD

NOTICE OF INTENT- WARE CONSERVATION COMMISSION
NOTICE OF INTENT- HARDWICK CONSERVATION COMMISSION
SITE PLAN REVIEW - HARDWICK PLANNING BOARD



8	
0	
217 0 215 1 3 Anna	
250 500 : 1"= 500	
CALE 1" = 500'	THE UNDERSIGNED AC

OWN OF HARDWICK PLANNING BOARD	TOWN OF WARE PLANNING BOARD
.TE:	DATE:

THE UNDERSIGNED AGREE TO COMPLY WITH ALL RULES
AND REGULATIONS FOR THE SUBDIVISION OF LAND IN
THE TOWN OF WARE AS ADOPTED BY THE TOWN AND
THE PLANNING BOARD AND ALL FURTHER AMENDMENTS
OR ADDITIONS THERETO.

DRAWING LIST

1-11-21

7-31-20

1-11-21

1-11-21

1-11-21

1-11-21

12-10-20

12-10-20

7-31-20

DWG. # DRAWING TITLE

COVER SHEET

SITE DETAILS

C-7 SITE DETAILS - 2

EXISTING CONDITIONS PLAN

C-3 OVERALL SITE AND SUBDIVISION PLAN

GRADING & DRAINAGE PLAN (SECTION 1)

GRADING & DRAINAGE PLAN (SECTION 2)

DA TE: _____

RESERVED FOR USE BY THE REGISTRY OF DEEDS	THE CERTIFICATIONS SHOWN HEREON ARE INTENDED TO MEET REGISTRY OF DEEDS REQUIREMENTS AND ARE NOT A CERTIFICATION TO TITLE OR OWNERSHIP OF THE PROPERTY
	SHOWN. I HEREBY CERTIFY THAT THIS IS A TRUE PLAN BASED ON FIELD SURVEYS AND THE LATEST DEEDS AND PLANS OF RECORD AND THAT THIS PLAN CONFORMS TO THE RULES
	AND REGULATIONS OF THE REGISTRY OF DEEDS.
	BRUCE A. FITZBACK

39 ELM STREET
SOUTHBRIDGE, MA 01550
P 508.765.0195
F 508.765.0193

BERTIN ENGINEERIN

CALISTO J. BERTIN, P.E.

PROFESSIONAL ENGINEER

MA LIC. NO. 40595

NY LIC. NO. 60

NH LIC. NO. 9368

RI LIC. NO. 61

BRUCE A. FITZBACK, P.L.
PROFESSIONAL LAND SURVEYOR

NOT VALID INTIL SEALED

ZI REVISED DRAWING LIST.

E.Q.

E.Q.

E.Q.

E.Q.

E.Q.

E.Q.

COVER SHEET

LARGE SCALE
SOLAR ARRAY

278 OSBORNE ROAD
PARCEL NUMBER 40-14-9
TOWN OF WARE, HAMPSHIRE COUNTY
NK 51160-177, LOT 14
TOWN OF HARDWICK, WORCESTER COUNTY
MASSACHUSETTS

WARE SOLAR II LLC 276 N. FOREST AVE. NE MARIETA, GA 30060

CERTIFICATE OF AUTHORIZATION
24GA28068900 / 21MH00002800

DRAWN BY
J.A.S.

SCALE
1" = 100'

DATE
07-31-20

DRAWING NO.

C-1



GENERAL NOTES:

1. BOUNDARIES SHOWN ARE THE RESULTS OF AN ACTUAL FIELD SURVEY JANUARY 2 THRU JANUARY 22, 2019. SURVEY BASED ON AVAILABLE MAPS, DEEDS OF RECORD AND PHYSICAL EVIDENCE, BUT ARE SUBJECT TO ALL EASEMENTS, RIGHT OF WAYS, AGREEMENTS, AND RIGHTS AND ENCUMBRANCES OF RECORD THAT AN ACCURATE AND THOROUGH TITLE SEARCH MAY DISCLOSE.

2. THIS PLAN DOES NOT SHOW ANY UNRECORDED OR UNWRITTEN EASEMENTS WHICH MAY EXIST. A REASONABLE AND DILIGENT ATTEMPT HAS BEEN MADE TO OBSERVE ANY APPARENT, VISIBLE USES OF THE LAND AND DEPICT THEM ON THE SURVEY; HOWEVER, THIS DOES NOT CONSTITUTE A GUARANTEE THAT NO SUCH EASEMENTS EXIST.

3. HORIZONTAL DATUM BASED ON NAD 83 MA11, VIA GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS).

4. VERTICAL DATUM BASED ON NAVD 88, GEOID 12B, VIA GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS).

5. BY GEOGRAPHICAL PLOTTING A PORTION OF THE SITE IS LOCATED WITHIN A FLOOD HAZARD ZONE A AS PER THE FLOOD INSURANCE RATE MAP, COMMUNITY—PANEL NO. # 250172 0010B WITH AN EFFECTIVE DATE OF AUGUST 17, 1981.

6. WETLANDS DELINIATED BY ECOTEC, INC IN SEPTEMBER

7. TOPOGRAPHICS PROVIDED FROM EASTERN TOPOGRAPHICS WITH A PHOTO DATE OF APRIL 12, 1998, COMPILATION DATE OF JANUARY 7, 2018 WITH A SCALE OF 1"=50' AND A CONTOUR INTERVAL OF 2FT.

8. ABUTTERS NAMES ARE IN RESPECT TO THE LATEST ASSESSORS RECORDS AVAILABLE.

TAX MAP REFERENCES:

WARE ASSESSORS TAX MAP 40-14-9

HARDWICK ASSESSORS TAX MAP REF: MAP 94, LOT 14

RECORD OWNERS

JOEL J HARDER 54 GOULD ROAD WARE, MA 01082 DB.11374 PG.181 DB.51160 PG.177

PLAN REFERENCES:
(HAMPSHIRE COUNTY REGISTRY OF DEEDS)
PLAN BOOK 186 PLAN 24

LEGEND

СВ	CATCH BASIN		IRON PIPE
UP	UTILITY POLE		DRILL HOLE
IR	REBAR		REBAR SET
DH	DRILL HOLE	·	BOUND SYMBOL
IP	IRON PIPE	0	UTILITY POLE
FND	FOUND	∞	STONE WALL
BND	BOUND		WELL
AP:	ASSESSORS PARCEL	\bigoplus	BENCH MARK
HYD.	HYDRANT	*	LIVEDANIT
GUY	GUY WIRF	200	HYDRANT
601	GOT WITLE	6	GUY WIRE
XX	STUMP WITH WIRE		
`		(4)	TREE WITH WIRE

WETLANDS LEGEND

WETLAND FLAG

WETLANDS BOUNDARY LINE

50'BL 50'BL 100 FT WETLANDS BUFFER LINE

CALISTO J. BERTIN, P.E. professional engineer

39 ELM STREET RIDGE, MA 01550 P 508.765.0195 F 508.765.0193 inengineering.com

Z

CT LIC. NO. 12950 NJ LIC. NO. 28845 MA LIC. NO. 40595 NY LIC. NO. 60022 NH LIC. NO. 9368 RI LIC. NO. 6694



BRUCE A. FITZBACK, P.L.S.
PROFESSIONAL LAND SURVEYOR
MA LIC. NO. 37731
CT LIC. NO. 16970

NOT VALID UNTIL SEALED

EXISTING CONDITIONS PLAN

LARGE SCALE SOLAR ARRAY

278 OSBORNE ROAD
PARCEL NUMBER 40-14-9
TOWN OF WARE, HAMPSHIRE COUNTY
NK 51160-177, LOT 14
TOWN OF HARDWICK, WORCESTER COUNTY
MASSACHUSETTS

WARE SOLAR II LLC 276 N. FOREST AVE. NE MARIETA, GA 30060

CERTIFICATE OF AUTHORIZATION 24GA28068900 / 21MH00002800			
DRAWN BY CHECKED BY E.Q. C.J.B.			
SCALE 1" = 100'	PROJECT NO. 18M-217		
DATE 07-31-20	REVISION NO.		
DRAWING NO.			

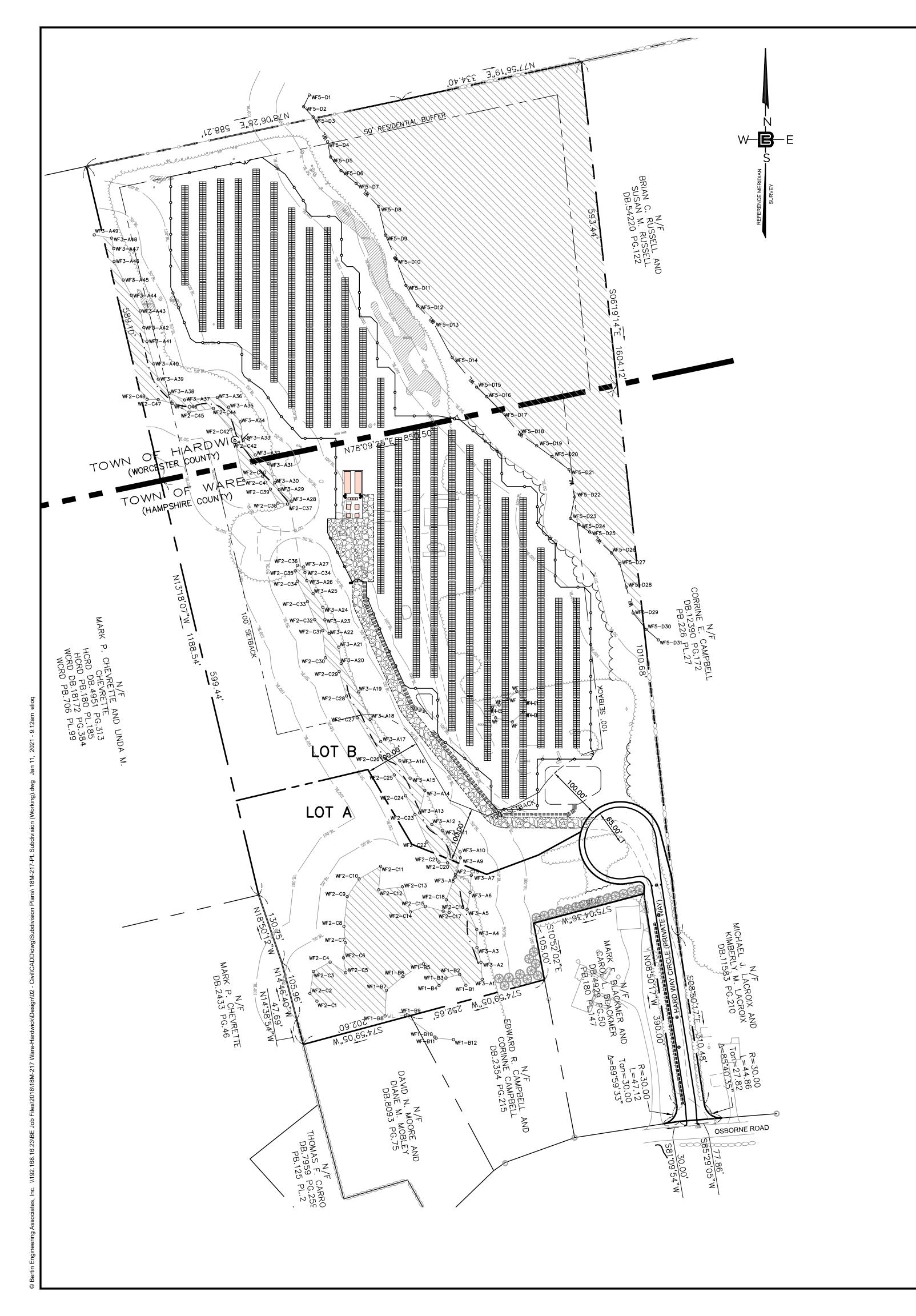
C-2

GRAPHIC SCALE

0 50 100 200 400

(IN FEET)

1 inch = 100 ft.





TOWN OF WARE
ZONE: RR (RURAL RESIDENTIAL)

	<u>REQUIRED</u>	<u>LOT A</u>	<u>LOT B</u>
AREA (SF)	60,000	165,939.2	594,512.1 (TOWN OF WARE)
			1,117,089.5 (TOTAL)
FRONTAGE (FT)	150	262.2	348.1
SETBACKS (ZONE RR):			
FRONT (FT)	30	TO COMPLY	N/A
SIDE (FT)	30	TO COMPLY	N/A
REAR (FT)	40	TO COMPLY	N/A
SETBACKS (SOLAR):			
FRONT (FT)	100	N/A	129.9
SIDE (FT)	100	N/A	108.5
			102.6
REAR (FT)	100	N/A	0 (VARIANCE)

GENERAL NOTES

LEGEND

SOLAR PANEL RACK

—50'BL— **50 FT WETLANDS BUFFER LINE**

-100'BL- 100 FT WETLANDS BUFFER LINE

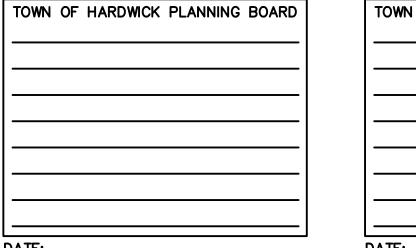
- 1. ALL FEATURES ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED. PROPOSED FEATURES AS SHOWN IN FULL TONE EXISTING FEATURES ARE SHOWN IN HALF TONE
- EXISTING FEATURES TO BE REMOVED ARE SHOWN AS DASHED, OR ARE NOTED.

 2. LOCATION OF ALL UNDERGROUND UTILITIES IS APPROXIMATE AND SHOULD BE VERIFIED
- BEFORE EXCAVATION OR CONSTRUCTION BEGINS. CALL DIG SAFE SYSTEM, INC.: 811 OR 1-888-344-7233.
- 4. UNLESS OTHERWISE NOTED, MAINTAIN EXISTING YARD GRADES AND SLOPES.5. ALL UTILITY CONNECTIONS ARE TO BE IN ACCORDANCE WITH LOCAL CODE.
- 6. THE SITE PLAN(S) SUPERSEDES ALL STANDARD DRAWINGS.
- 7. ALL WETLANDS DELINEATED BY ECOTEC INC., SEPTEMBER 2019.
- 8. THE FENCING WILL INCORPORATE A DESIGN OF THE EPC'S CHOOSING THAT WILL FACILITATE WILDLIFE MOVEMENT ACROSS THE PROPERTY.
- 9. ALL GATES TO BE INSTALLED WITH KNOX BOX AND SIGNAGE WITH EMERGENCY CONTACT INFORMATION SUBJECT TO NATIONAL GRID FINAL DESIGN AND CONSTRUCTION. KNOX BOX KEY TO BE GIVEN TO LOCAL FIRE DEPARTMENT.
- 10. NO PESTICIDES OR HERBISIDES ARE TO BE USED DURING CONSTRUCTION OR MAINTENANCE.

PRELIMINARY SOLAR PANEL OUTPUT

ARRAY	TOTAL
TOTAL NUMBER OF RACKS	98
PANELS PER RACK	54
TOTAL NUMBER OF PANELS	94 x 54 = 5,076
OUTPUT PER PANEL	400W
TOTAL OUTPUT	400W x 5,076 = 2,030,400 W
	(2.03 MW)

PANEL COUNT AND ARRANGEMENT SUBJECT TO CHANGE BASED ON AVAILABILITY AND MANUFACTURER



TOWN	OF	WARE	PLANNING	BOARD
OATE:				

FLOOD HAZARD NOTES

THIS SITE IS LOCATED WITHIN ZONE "C" AS PER THE FOLLOWING FLOOD INSURANCE RATE MAPS:

TOWN OF HARDWICK: COMMUNITY PANEL NO. 250307 0015 B, EFFECTIVE DATE SEPTEMBER 16, 1981.

TOWN OF WARE: COMMUNITY PANEL NO. 250172 0013 B, EFFECTIVE DATE AUGUST 17, 1981.

1 inch = 100 ft.

GRAPHIC SCALE

50 100 200 40

C-3

SOUTHBRIDGE, MA 01
P 508.765.01
F 508.765.01
F 508.765.01
Www.bertinengineering
NTAL • MECHANICAL • LANDSC
REPARED FOR THE EXCLUSIVE USE BY THE CLIENT.
RENGINEERING ASSOCIATES, INC., IS PROHIBITED.

CIVIL • SURVEYING •

CALISTO J. BERTIN, P.E.

PROFESSIONAL ENGINEER

CT LIC. NO. 12950 NJ LIC. NO. 28845

MA LIC. NO. 40595 NY LIC. NO. 60022

NH LIC. NO. 9368 RI LIC. NO. 6694



BRUCE A. FITZBACK, P.L.S.

PROFESSIONAL LAND SURVEYOR

MA LIC. NO. 37731

CT LIC. NO. 16970

NOT VALID UNTIL SEALED

21 ADDITION OF ROADWAY NAME.	20 REVISED ROADWAY & CALLOUTS TO REFERENCE SOLAR PLAN.	E REVISION	
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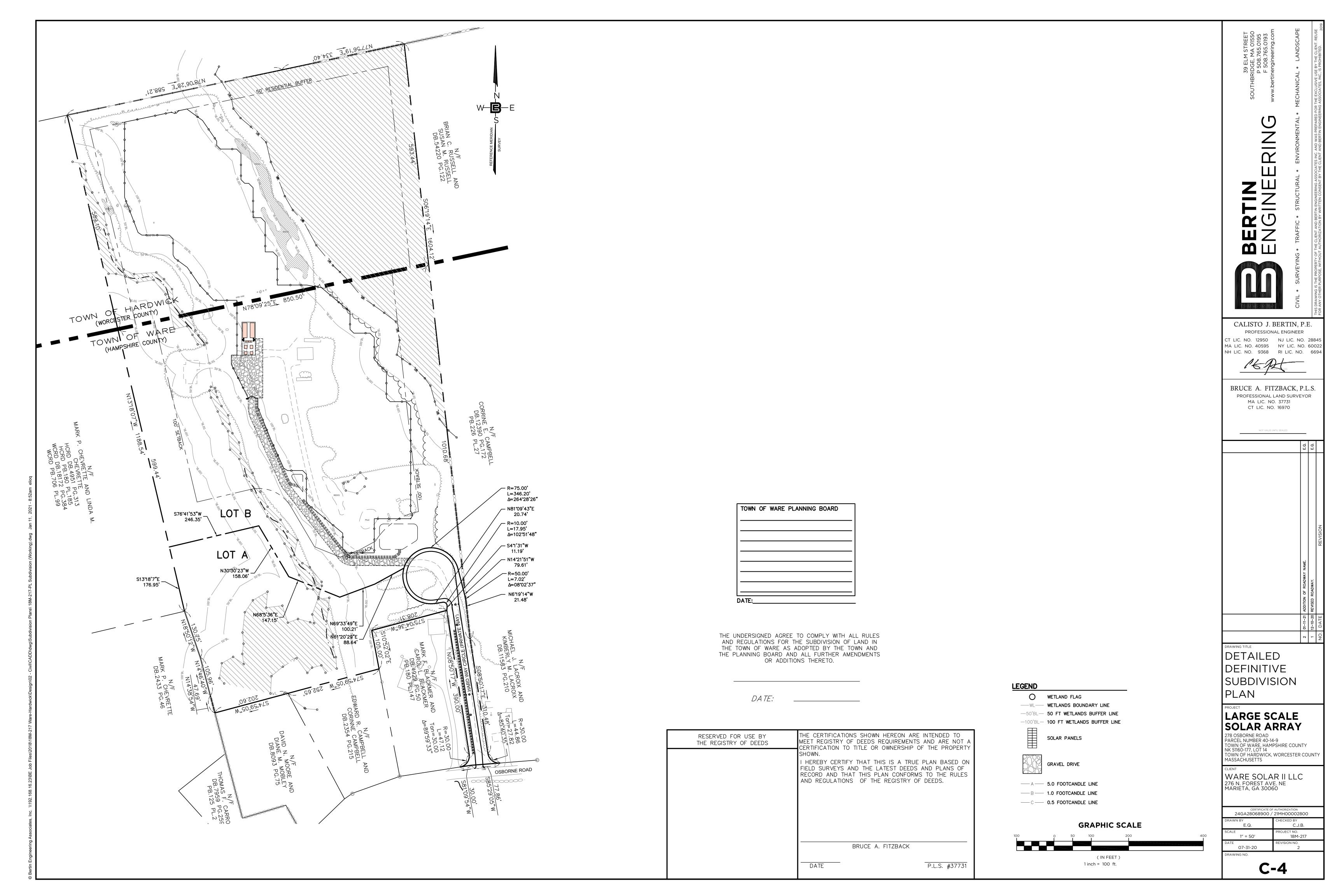
OVERALL
SITE &
SUBDIVISION
PLAN

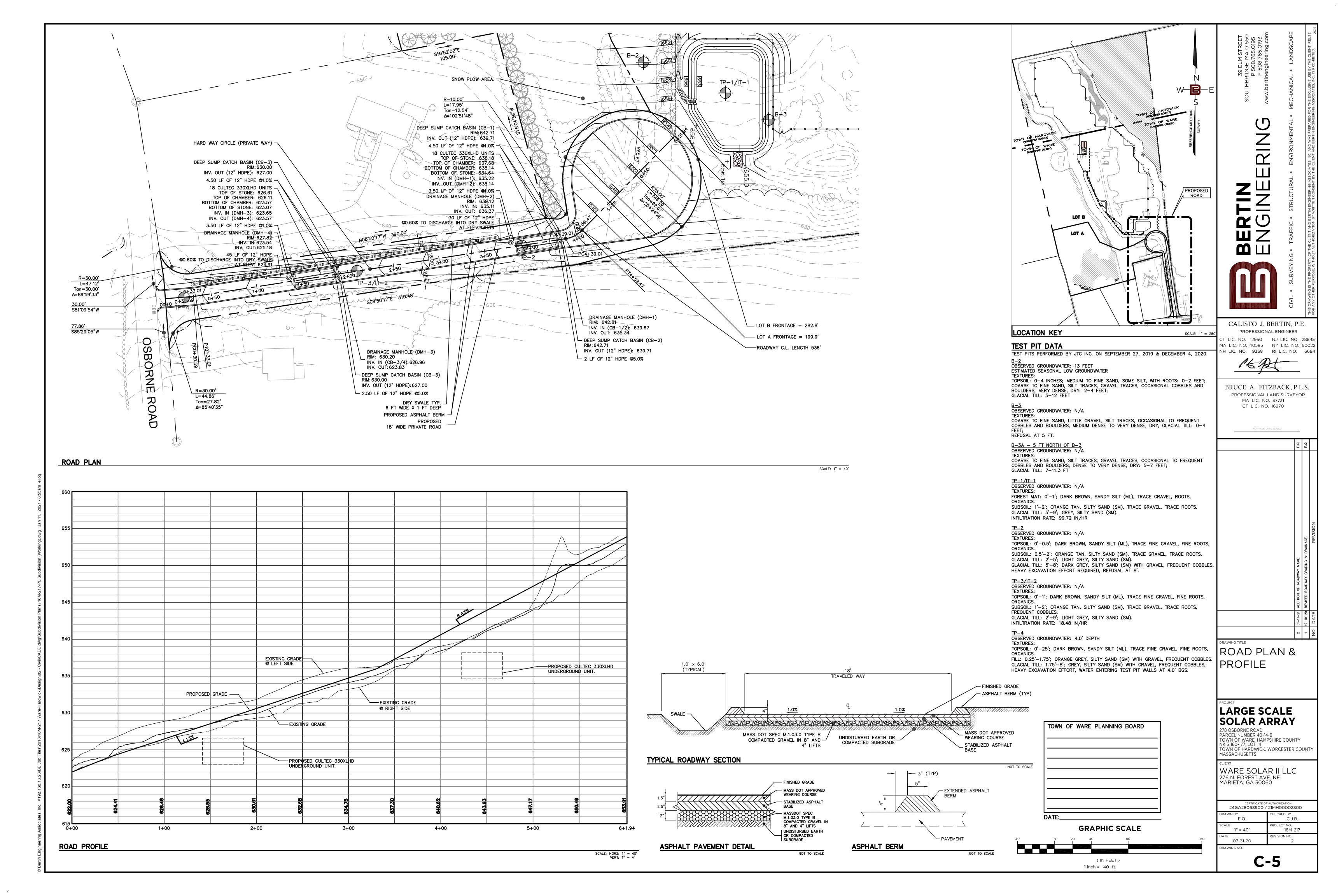
LARGE SCALE SOLAR ARRAY

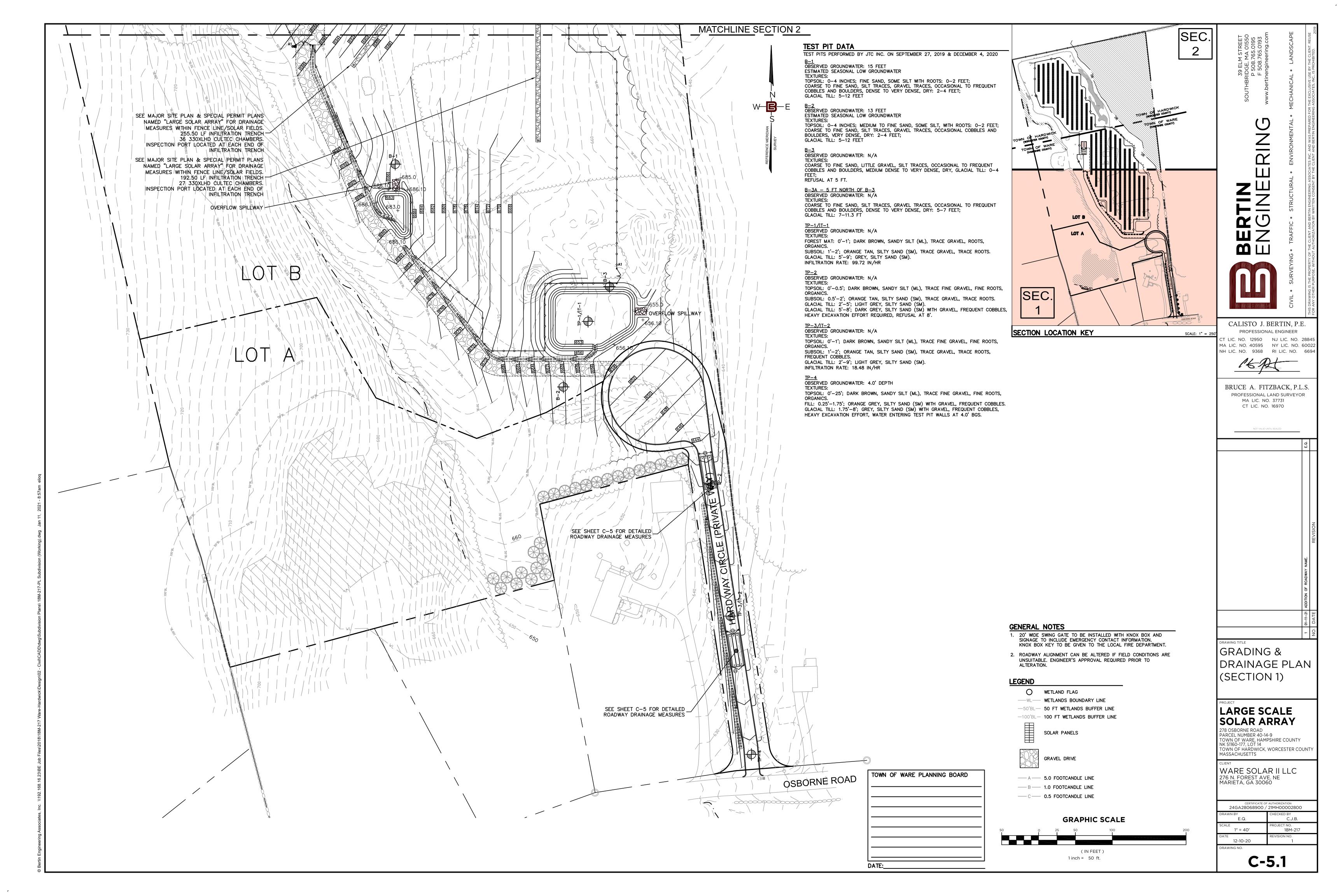
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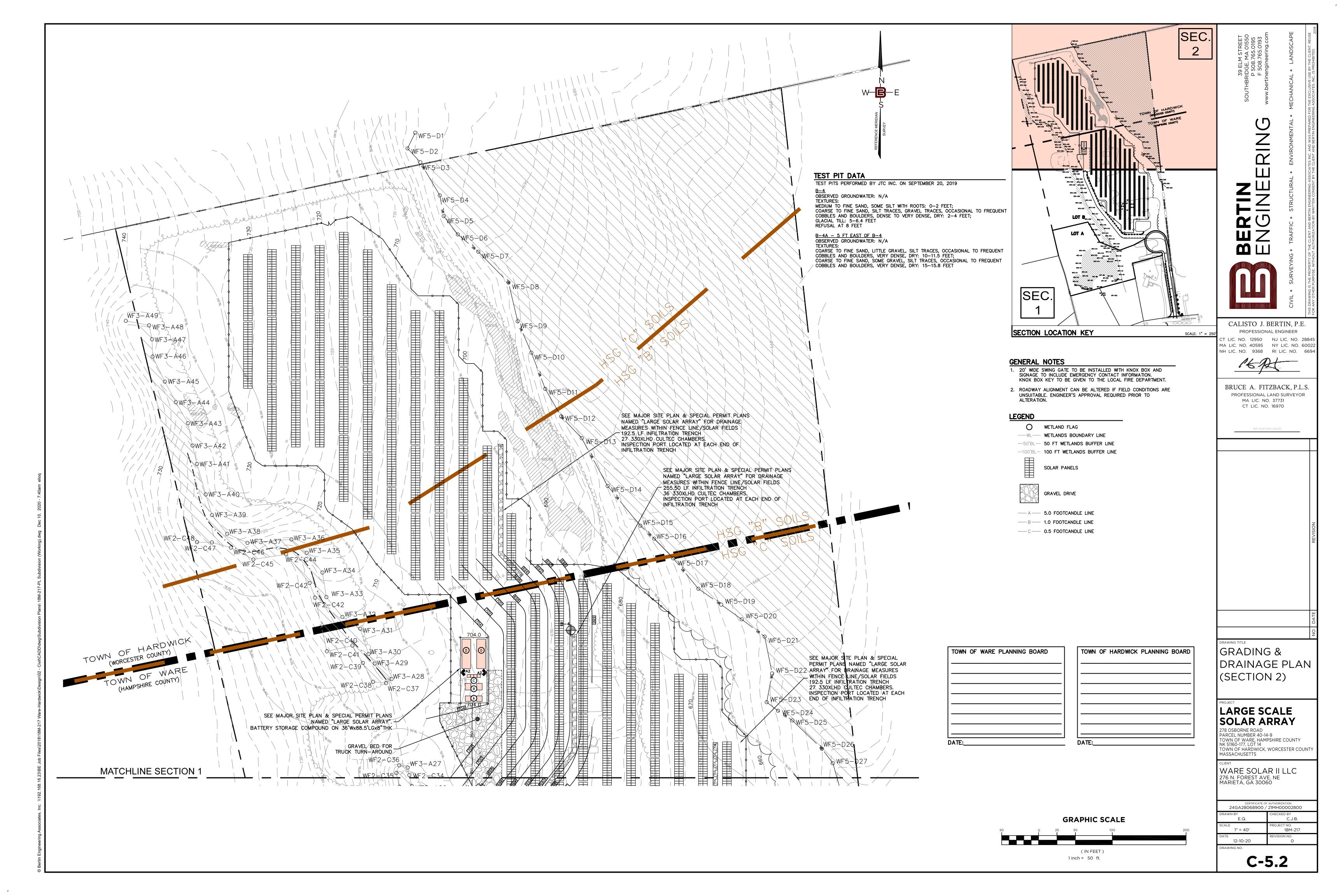
WARE SOLAR II LLC 276 N. FOREST AVE. NE MARIETA, GA 30060

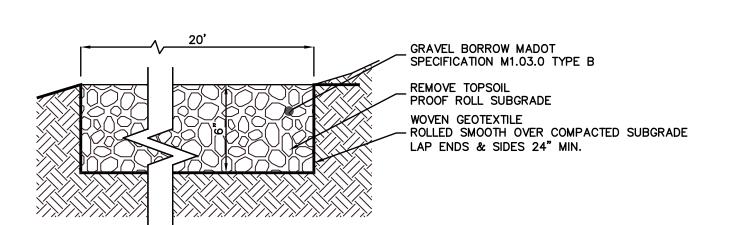
CERTIFICATE OF AUTHORIZATION 24GA28068900 / 21MH00002800			
DRAWN BY CHECKED BY			
E.Q.	C.J.B.		
SCALE 1" = 100'	PROJECT NO. 18M-217		
DATE 07-31-20	REVISION NO.		
DRAWING NO.			









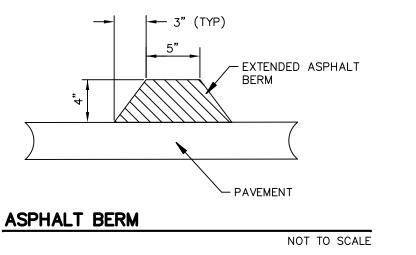


NOTE: CROSS SLOPE TO MATCH EXISTING SITE GRADING UNLESS OTHERWISE NOTED.

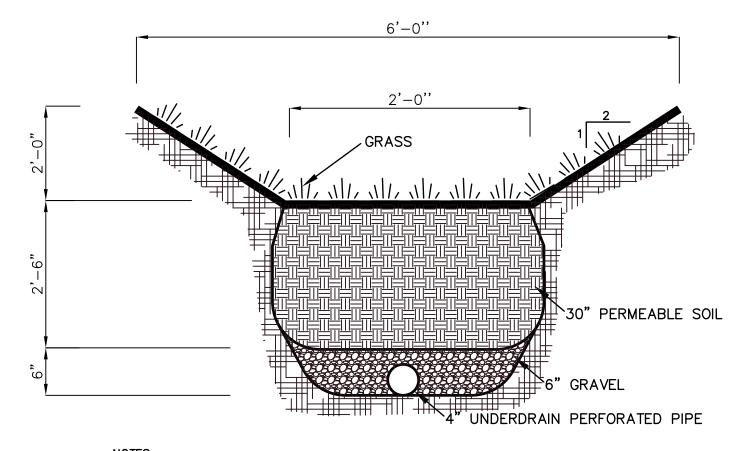
GRAVEL DRIVEWAY DETAIL

- MASS DOT APPROVED - STABILIZED ASPHALT M.1.03.0 TYPE B COMPACTED GRAVEL IN 8" AND 4" LIFTS UNDISTURBED EARTH OR COMPACTED SUBGRADE ASPHALT PAVEMENT DETAIL

- FINISHED GRADE



NOT TO SCALE



1. STONE CHECK DAMS TO BE INSTALLED EVERY 25' 2. SWALE TO BE MAINTAINED PER MAINTENANCE SCHEDULE.

DRY SWALE

FINISHED

GRADE-

GASKET-

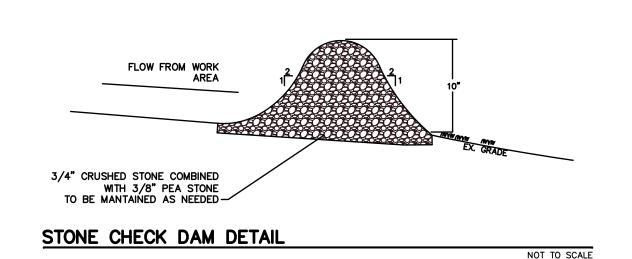
NOT TO SCALE

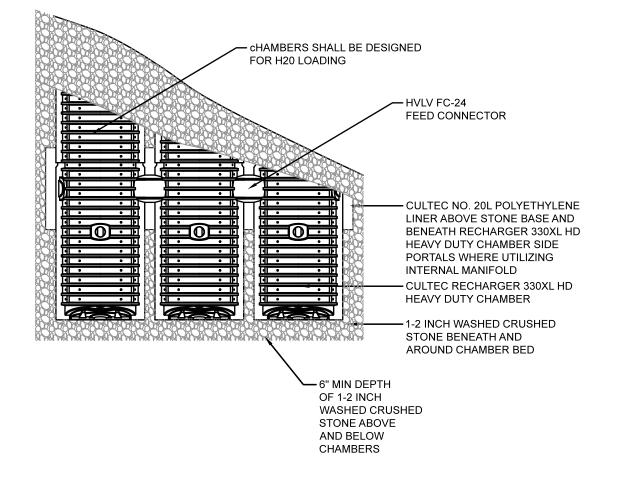
GEOTEXTILE LINING NA GREEN SEE DETAIL SAME PAGE: ROLLMAX™ ROLLED EROSION CONTROL SYSTEMS MODEL SC250 OR APPROVED EQUAL 1. STONE CHECK DAMS TO BE INSTALLED EVERY 100' 2. SWALE TO BE MAINTAINED PER MAINTENANCE SCHEDULE

NOT TO SCALE

GRASS SWALE

T-2 INCH DIA WASHED





CULTEC RECHARGER 330XLHD HEAVY DUTY PLAN VIEW

DEEP SUMP CATCH BASIN DETAIL

/<u>24" MIN</u>

GAS TRAP

SNOUT
OIL-WATER-DEBRIS
SEPARATOR

4'-0" (MIN)

-FRAME AND GRATE TO BE EQUAL TO LEBARON LK 120 WITH SG-1 GRATE.

ADJUST AS REQ'D TO FINISHED

GRADE WITH TWO BRICKS MAX.

SET IN FULL BED OF MORTAR.

-FRAME TO BE SET IN

-MORTAR FILL

AROUND PIPE

FULL BED OF MORTAR

DIAMETER VARIES

8" LIFTS. IF ABOVE

_12" OF GRAVEL COMPACTED IN

GROUNDWATER LEVEL, NO FILTER

GROUNDWATER LEVEL USE MIRAFI

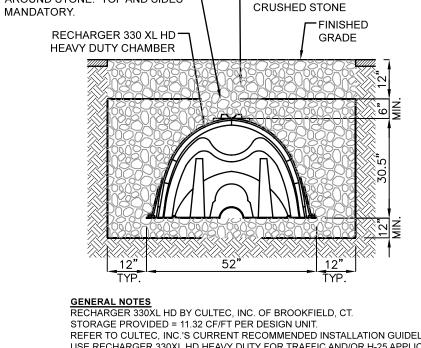
FABRIC REQUIRED. IF BELOW

140N FILTER FABRIC WITH 12"

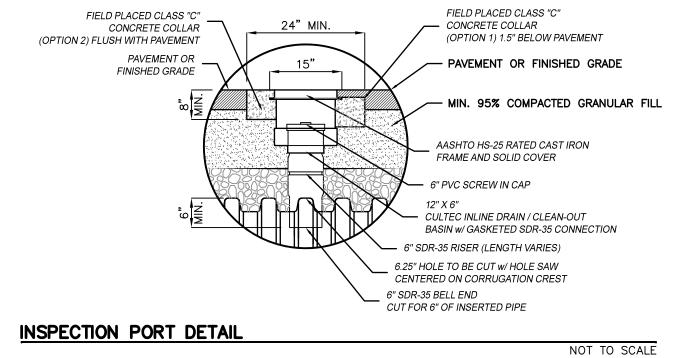
CRUSHED STONE COMPACTED IN

GRAVEL OR 12" OF 3/4"

12" LIFTS WITHOUT FILTER FABRIC.



REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES. USE RECHARGER 330XL HD HEAVY DUTY FOR TRAFFIC AND/OR H-25 APPLICATIONS. ALL RECHARGER 330XL HD HEAVY DUTY UNITS ARE MARKED WITH A COLOR STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER. ALL RECHARGER 330XL HD CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.



INFILTRATION TRENCH CROSS SECTION

4 OZ. NON-WOVEN FILTER FABRIC —

AROUND STONE. TOP AND SIDES

FRAME & COVER TO BE EQUAL TO LEBARON LC 237 MANHOLE COVER SIZE AS REQUIRED FOR PIPE SHALL HAVE A DIAMOND PATTERN, INSTALLATION PER MANUFACTURER'S PICKHOLES & THE WORD "DRAIN" RECOMMENDATIONS CAST IN 3" LETTERS -ADJUST AS REQ'D TO FINISHED GRADE WITH TWO BRICKS MAX. FINISHED GRADE-SET IN FULL BED OF MORTAR. / 24" MIN FULL BED OF MORTAR MASTIC GASKET-- PRECAST CONCRETE SECTIONS TO CONFORM TO ASTM C-478, CONCRETE OF 400 P.S.I. IN STEEL REBAR PER ASTM 4'-0" MIN REQUIREMENTS (SEE NOTE ABOVE) ∕-MORTAR FILL —DIAMETER VARIES AROUND PIPE _12" OF GRAVEL COMPACTED IN 8" LIFTS. IF ABOVE GROUNDWATER LEVEL, NO FILTER FABRIC REQUIRED. IF BELOW GROUNDWATER LEVEL USE MIRAFI 140N FILTER FABRIC WITH 12" GRAVEL OR 12" OF 3/4" CRUSHED STONE COMPACTED IN 12" LIFTS WITHOUT FILTER

STANDARD DRAIN MANHOLE DETAIL

CULTEC NO. 20L POLYETHYLENE LINER TO BE PLACED BENEATH -HVLV FC-24 FEED CONNECTORS 4 OZ. NON-WOVEN FILTER FABRIC AROUND STONE. TOP AND SIDES WHEN UTILIZING INTERNAL MANIFOLD WASHED CRUSHED GRADE HVLV FC-24 FEED CONNECTOR RECHARGER 330 XL HD STONE HEAVY DUTY CHAMBER WHERE SPECIFIED SEE PLAN <u>GENERAL NOTES</u> RECHARGER 330XL HD BY CULTEC, INC. OF BROOKFIELD, CT. ALL RECHARGER 330XL HD HEAVY DUTY UNITS ARE MARKED WITH A COLOR STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER. STORAGE PROVIDED = 11.32 CF/FT PER DESIGN UNIT.

REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES.

ALL RECHARGER 330XL HD CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

NOT TO SCALE

CULTEC RECHARGER 330XLHD HEAVY DUTY TYPICAL CROSS SECTION

Z CALISTO J. BERTIN, P.E. PROFESSIONAL ENGINEER T LIC. NO. 12950 NJ LIC. NO. 28845

MA LIC. NO. 40595 NY LIC. NO. 6002 NH LIC. NO. 9368 RI LIC. NO. 669

BRUCE A. FITZBACK, P.L.S PROFESSIONAL LAND SURVEYOR MA LIC. NO. 37731 CT LIC. NO. 16970

SITE DETAILS

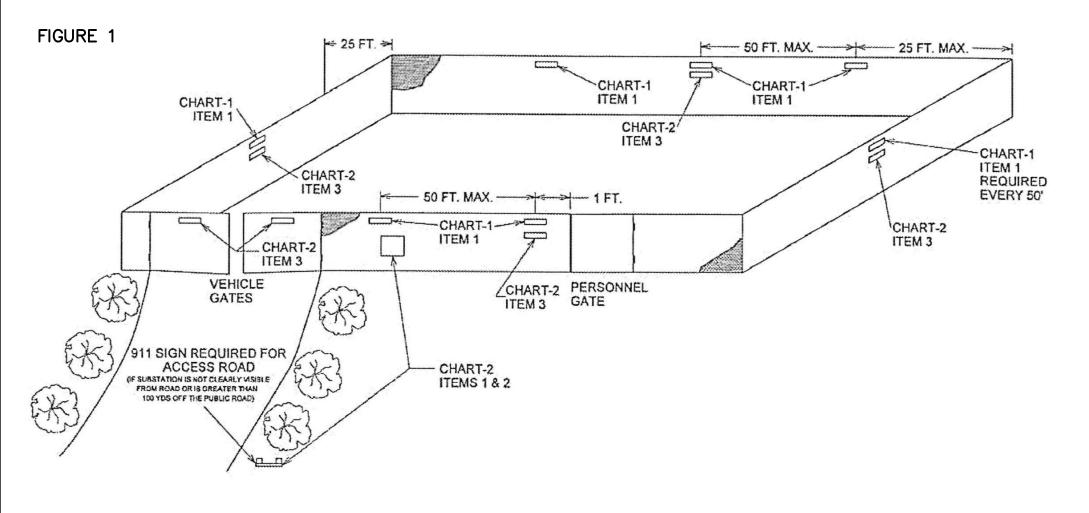
LARGE SCALE **SOLAR ARRAY**

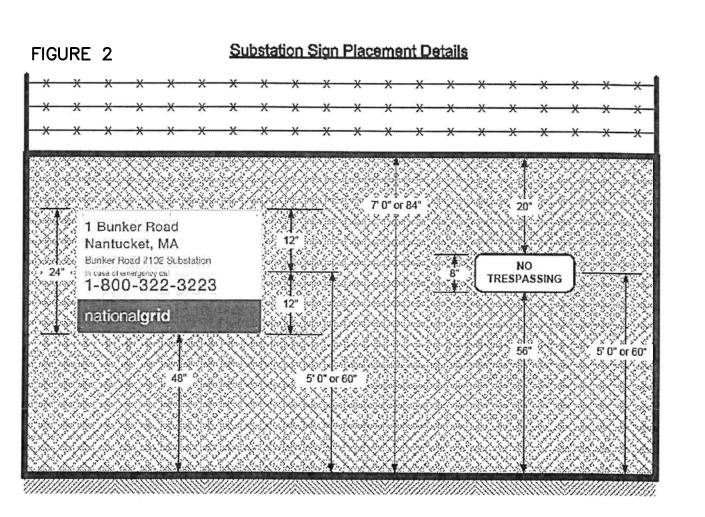
278 OSBORNE ROAD PARCEL NUMBER 40-14-9 TOWN OF WARE, HAMPSHIRE COUNTY NK 51160-177, LOT 14 TOWN OF HARDWICK, WORCESTER COUNTY MASSACHUSETTS

WARE SOLAR II LLC 276 N. FOREST AVE. NE MARIETA, GA 30060

24GA28068900 / 21MH00002800 C.J.B. J.A.S. AS SHOWN 18M-217 07-31-20

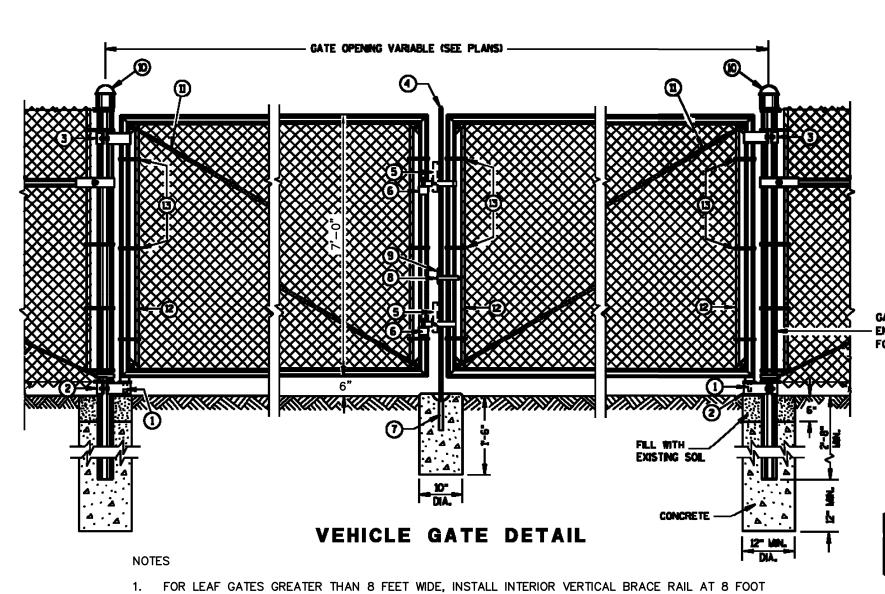
C-6





- 1. SIGN CHAIN-LINK FENCES USING "DANGER" SIGN (CHART-1 ITEM 1).
- 2. SIGN CHAIN-LINK FENCES USING "NO TRESPASSING" SIGN (CHART-2 ITEM 3).
- 3. SIGN 4"x4" POSTS AT ACCESS ROAD AND CHAIN-LINK FENCES USING STATION "911" SIGN (CHART-2 ITEM 1 & 2).
- 4. ALL SIGNS SHALL BE MOUNTED AS CLOSE TO A HEIGHT OF 60" (1525mm) ABOVE GRADE TO THE CENTERLINE OF THE SIGN AS POSSIBLE. ATTACH SIGNS AS LEVEL AS POSSIBLE.
- 5. SIGN ALL GATES AT A HEIGHT OF 60" (1525mm) ABOVE GRADE TO THE CENTERLINE OF SIGN WITH SIGN AT GATE CENTER.
- 6. FENCE SIDES THAT CONTAIN NO GATES SHOULD HAVE SYMMETRICAL SIGN PLACEMENT AS MUCH AS IS POSSIBLE.
- 7. MAXIMUM DISTANCE BETWEEN SIGNS ALONG FENCE PERIMETER NOT TO EXCEED 50 FEET.
- 8. REFER TO FIGURE 1 AND 2 FOR PLACEMENT DETAIL.
- 9. SIGN UNHINGED SIDE OF SINGLE GATES AT A HEIGHT OF 60" (1525mm) ABOVE GRADE TO CENTERLINE OF SIGN ONE FOOT FROM GATE POST.
- 10. ALL FIGURES AND NOTES TAKEN FROM "NATIONALGRID" ENGINEERING DOCUMENT #ST.03.06.001, PG 14 OF 22, VERSION 1.0 DATED 3-9-09.

SIGN PLACEMENT ON PERIMETER GATES & FENCES



2. FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

3. MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE

LEGEND 1. STRAIGHT PLUG 2. BOTTOM HINGE 3. TOP HINGE 4. PLUNGER ROD 5. FULCRUM LATCH S. FORK CATCH 9. LOCK KEEPER 11. TRUSS RODS 12. TENSION BAR 13. TENSION BANDS 14. BRACE RAIL

7. PLUNGER ROD CATCH 8. LOCK KEEPER GUIDE

BRACE RAIL TYPES

** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

TYPE

POST FABRIC HEIGHTS FEET LESS THAN OR EQUAL TO 6 FT. GREATER THAN OR EQUAL TO 6 FT. LESS THAN OR LESS THAN OR EQUAL TO 8 FT. GREATER THAN OR EQUAL TO 8 FT. LESS THAN OR FS2 OR EQUAL TO 8 FT. FS2+ GREATER THAN OR FS3 EQUAL TO 8 FT.

REQUIRED FENCE POST SIZES

(2.0 OZ./8Q. FT. COATING)			
POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LB8/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

ROLLED-FORMED STEEL FENCE POST REQUIRED POST SIZE FOR GATES

ROUND STEEL FENCE POST

(1.8 OZ./SQ. FT. COATING)

THICKNESS

INCH

0.140

0.145

0.154

0.203

0.226

0.280

0.322

DIMENSION

INCH

2.375

2.875

4.000

6.625

8.625

POST TYPE

SP3

SP5

SP6

SP7

	USE	LEAF WIDTHS FEET	POST Type
		LESS THAN OR EQUAL TO 6 FT.	SP4
	GATES	LESS THAN OR EQUAL TO 13 FT.	SP5
		LESS THAN OR EQUAL TO 18 FT.	SP6
		LESS THAN OR EQUAL TO 23 FT.	SP7

WEIGHT

LB8/FT

2.270

2.720

5.800

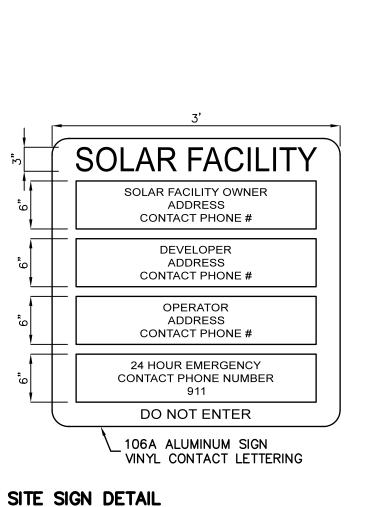
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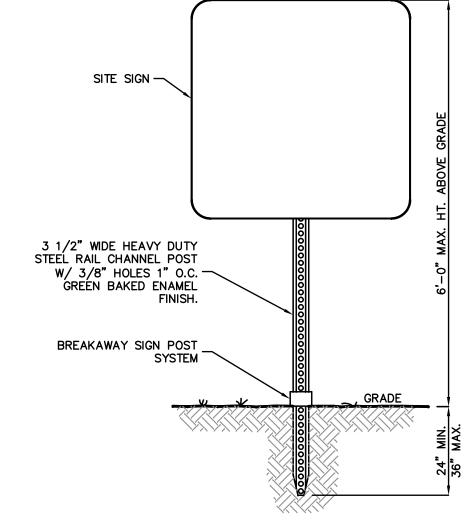
18.990

28.580

WIDTH OR 2 INCHES.

CHAIN LINK FENCE GATE DETAIL





SITE SIGN INSTALLATION DETAIL

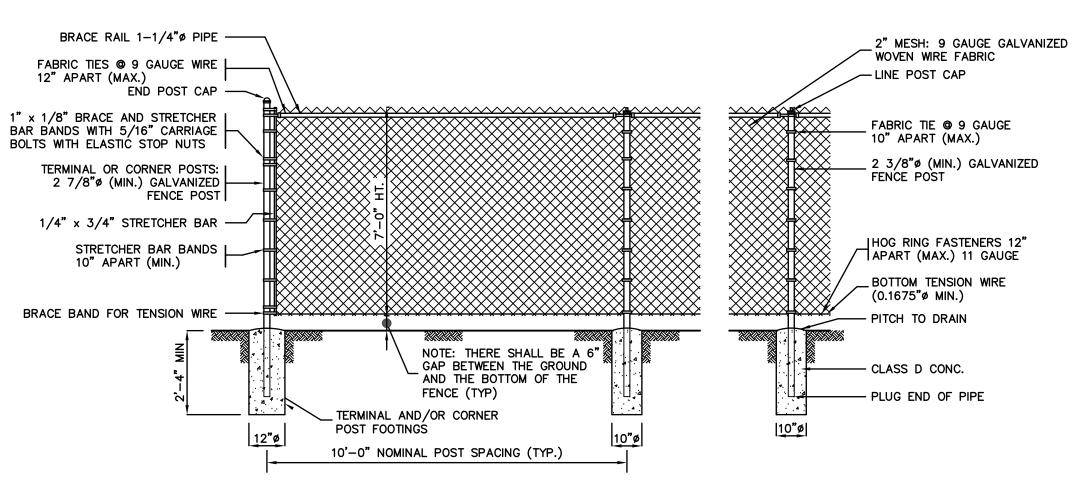
CALISTO J. BERTIN, P.E.

PROFESSIONAL ENGINEER

T LIC. NO. 12950 NJ LIC. NO. 28845 MA LIC. NO. 40595 NY LIC. NO. 6002 NH LIC. NO. 9368 RI LIC. NO. 669

BRUCE A. FITZBACK, P.L.S

PROFESSIONAL LAND SURVEYOR MA LIC. NO. 37731 CT LIC. NO. 16970



1. ALL TIES, HOG RINGS AND CLIPS SHALL BE GALVANIZED.

- 2. FABRIC SHALL BE GALVANIZED WIRE, ALL PIPE TO CONFORM TO CURRENT ASTM DESIGNATION F 1083, SCHEDULE 40, PLAIN END.
- 3. BRACE RAIL AND ROD AT CORNER AND END SECTION ONLY. 4. ALL REFERENCES TO PIPE DIAMETER ARE ASTM NOMINAL SIZE.
- 5. WITH THE APPROVAL OF THE ENGINEER, IN SOFT MARSHY GROUND, POSTS MAY BE DRIVEN, THE CONCRETE FOOTING DELETED AND APPROVED DRIVE ANCHORS USED.

CHAIN LINK FENCE DETAIL

SITE DETAILS

NOT TO SCALE

LARGE SCALE **SOLAR ARRAY**

278 OSBORNE ROAD PARCEL NUMBER 40-14-9 TOWN OF WARE, HAMPSHIRE COUNTY NK 51160-177, LOT 14 TOWN OF HARDWICK, WORCESTER COUNTY

WARE SOLAR II LLC 276 N. FOREST AVE. NE MARIETA, GA 30060

MASSACHUSETTS

24GA28068900 / 21MH00002800 C.J.B. J.A.S. AS SHOWN 18M-217 07-31-20

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