## SYNCARPHA SOLAR, LLC PROPOSED SOLAR ARRAY

LOCATED AT: MULBERRY STREET LEICESTER, MASSACHUSETTS 01524

RECORD OWNER (S): 350 LEICESTER STREET, AUBURN, MA 01501 **TAX MAP 14-A-4** TAX MAP 14-A-4.2 TAX MAP 14-A-4.3

TAX MAP 14-A-4.2 TAX MAP 14-A-4.3

PLAN REFERENCES:
(WORCESTER COUNTY REGISTRY OF DEEDS)

PLAN BOOK 803 PLAN 95 PLAN BOOK 588 PLAN 122 PLAN BOOK 163 PLAN 46 TOWN OF LEICESTER ZONING

DEVELOPER/APPLICANT SYNCARPHA SOLAR, LLC 250 W 57TH STREET, SUITE 701 NEW YORK, NY 10107

(212) 419-4840 SYNCARPHA.COM

SPECIAL PERMIT - PLANNING BOARD NOTICE OF INTENT - CONSERVATION COMMISSION

EXISTING CONDITIONS

FOR PROPERTY INFO SEE EXISTING CONDITIONS (SHEET C-2)

WAIVER REQUESTS

ZONING BYLAWS FOR LEICESTER AS AMENDED THROUGH MAY 2, 2017

SYMBOL KEY

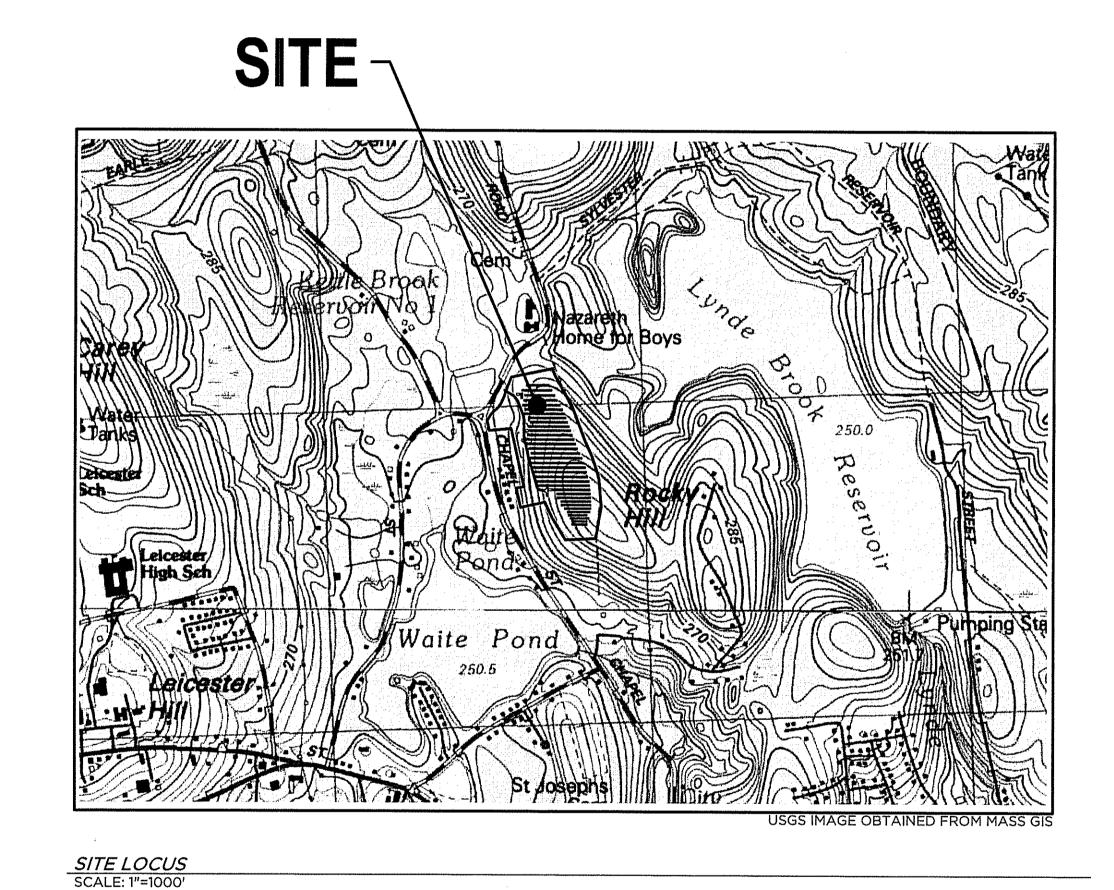
CONTOUR 1' INTERVAL

X 69,33'

IN NO EVENT SHALL CLEARING OF EXISTING VEGETATION IN SETBACKS EXCEED HALF THE REQUIRED SETBACK WIDTH. (50' FROM PROPERTY LINE)

WAIVER REQUESTED FOR LAND CLEARING UP TO EASTERN PROPERTY LINE AS NO RESIDENTIAL ABUTTERS ARE PRESENT.

WAIVER REQUESTED FOR LAND CLEARING UP TO 25' FROM WESTERN PROPERTY LINE TO ALLOW FOR INSTALLATION OF DETENTION BASIN 3.



DRAWING LIST				
SYM	NAME			
C-1	COVER SHEET			
C-2	EXISTING CONDITIONS PLAN			
C-3	OVERALL SITE PLAN			
C-(4,5)	PROPOSED SITE PLANS			
C-6	EROSION & SEDIMENT CONTROL PLAN			
C-(7,8)	DETAIL SHEETS			

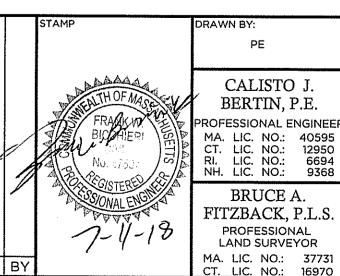
MONUMENT	0	BITUMINOUS	віт.
IRON PIPE	0	CONCRETE	CONC
DRAIN MANHOLE	<b>●</b> DMH	INVERT	INV.
ELECTRIC MANHOLE	Ø	REINFORCED CONCRETE PIPE	RCP
CATCH BASIN	# CB		
UTILITY POLE	₽.	POLYVINYL CHLORIDE PIPE	PVC
GUY WIRE	GUY	HIGH DENSITY PLASTIC	HDPE
BENCH MARK	<b>©</b>	IRON PIPE	I.P.
CHAIN LINK FENCE		FOUND	FND.
		BOLLARD	BOL.
WOOD / STOCKADE FENCE		SEWER MANHOLE	SMH
DRAIN LINE	0	DRAINAGE MANHOLE	DMH
OVERHEAD WIRES	ОНW	WATER GATE	WG
CONTOUR 5' INTERVAL		117 11 day 1 day 1 day	

**GUY WIRE** 

SPOT GRADE

NORT

NO.	DATE	REVISION	В



WN BY:	CHECKED BY:
PE	FB
CALISTO J.	FRANK
BERTIN, P.E.	BICCHIER
FESSIONAL ENGINEER  LIC. NO.: 40595 LIC. NO.: 12950 LIC. NO.: 6694 LIC. NO.: 9368	PROFESSIONAL E MA. LIC. NO.:
BRUCE A. TZBACK, P.L.S.	PETER ENGLE, 1

PROFESSIONAL LAND SURVEYOR

CLIENT: SYNCARPHA SOLAR, LLC ENGINEER

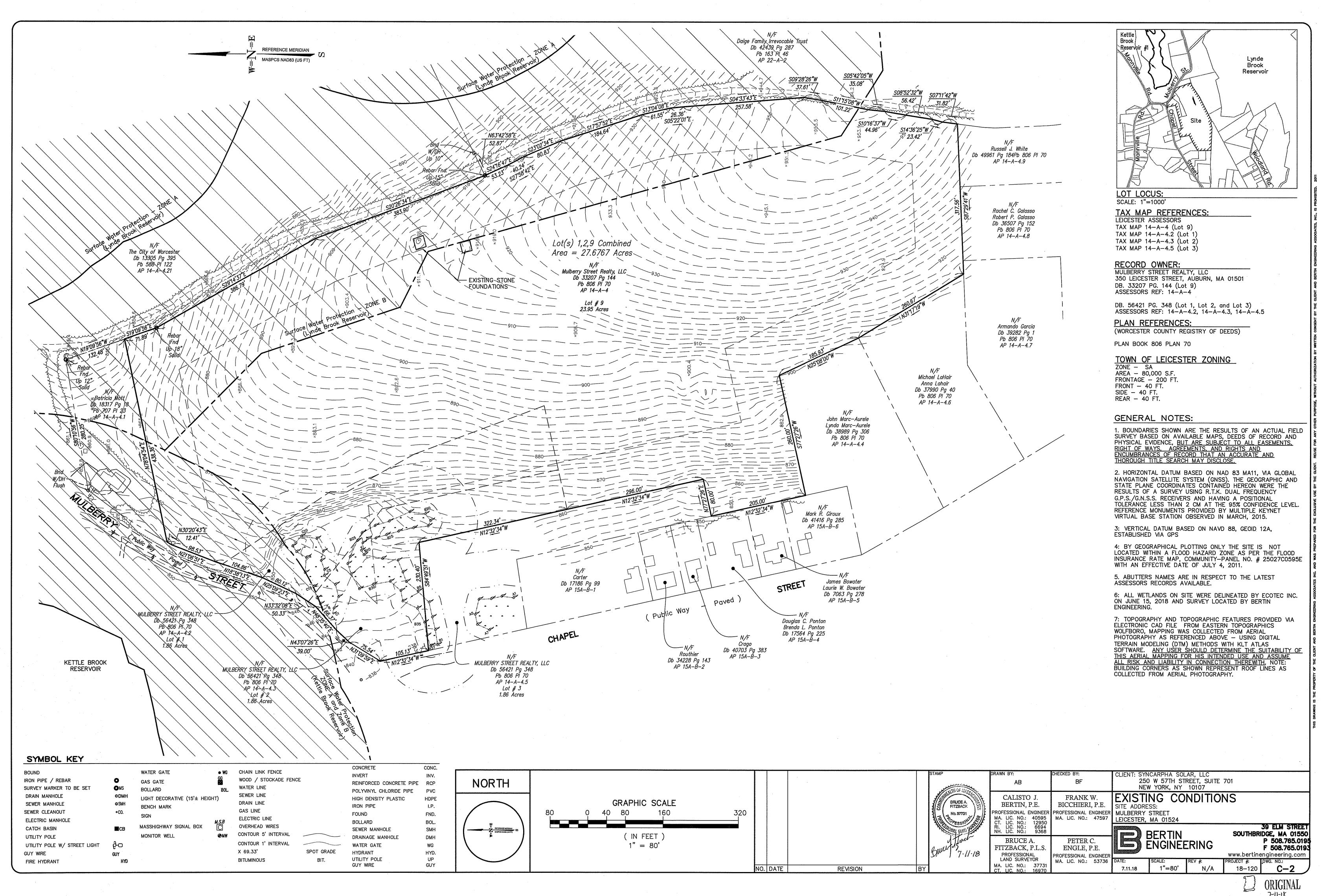
250 W 57TH STREET, SUITE 701 NEW YORK, NY 10107 SITE ADDRESS:

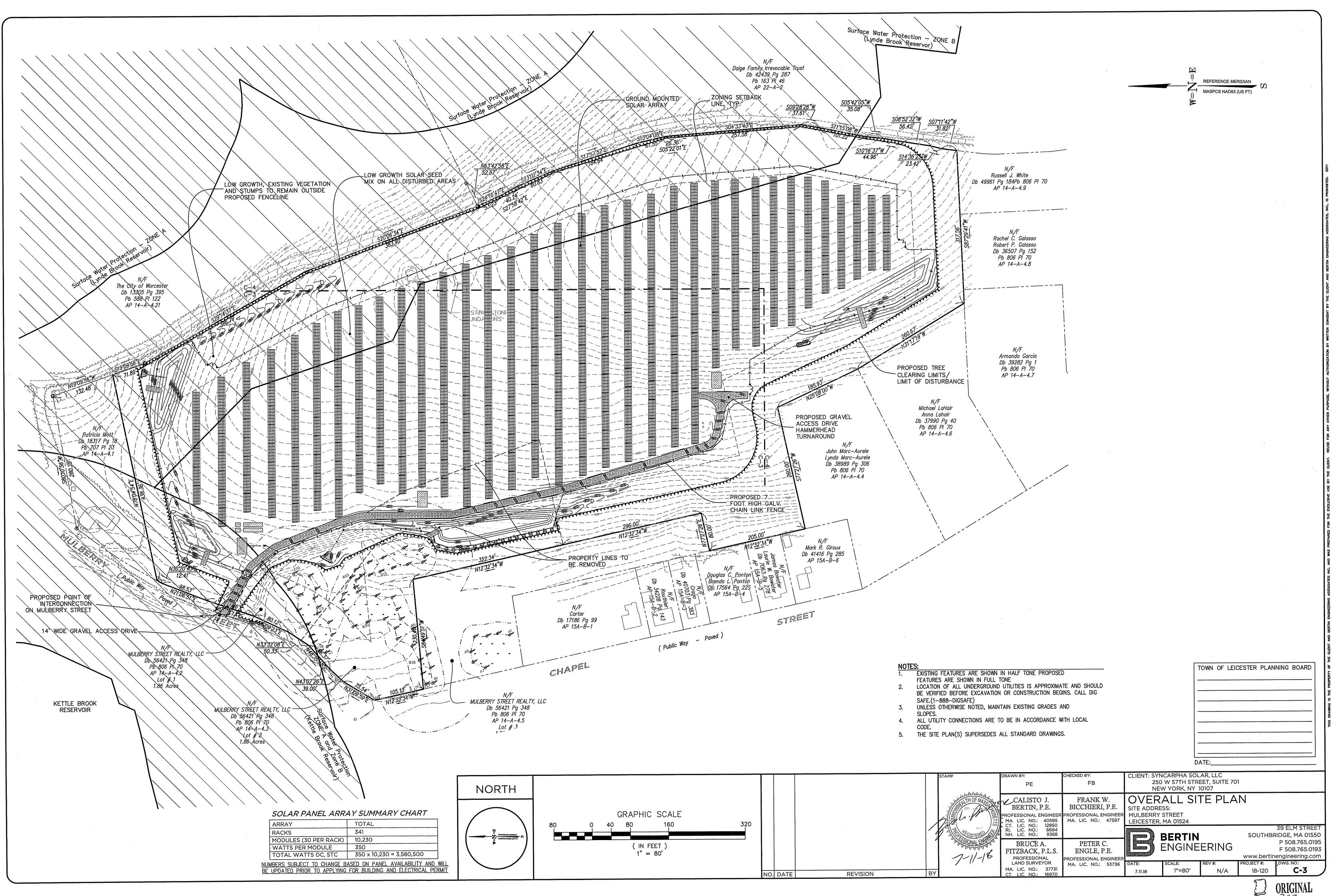
MULBERRY STREET LEICESTER, MA 01524 PROFESSIONAL ENGINEER

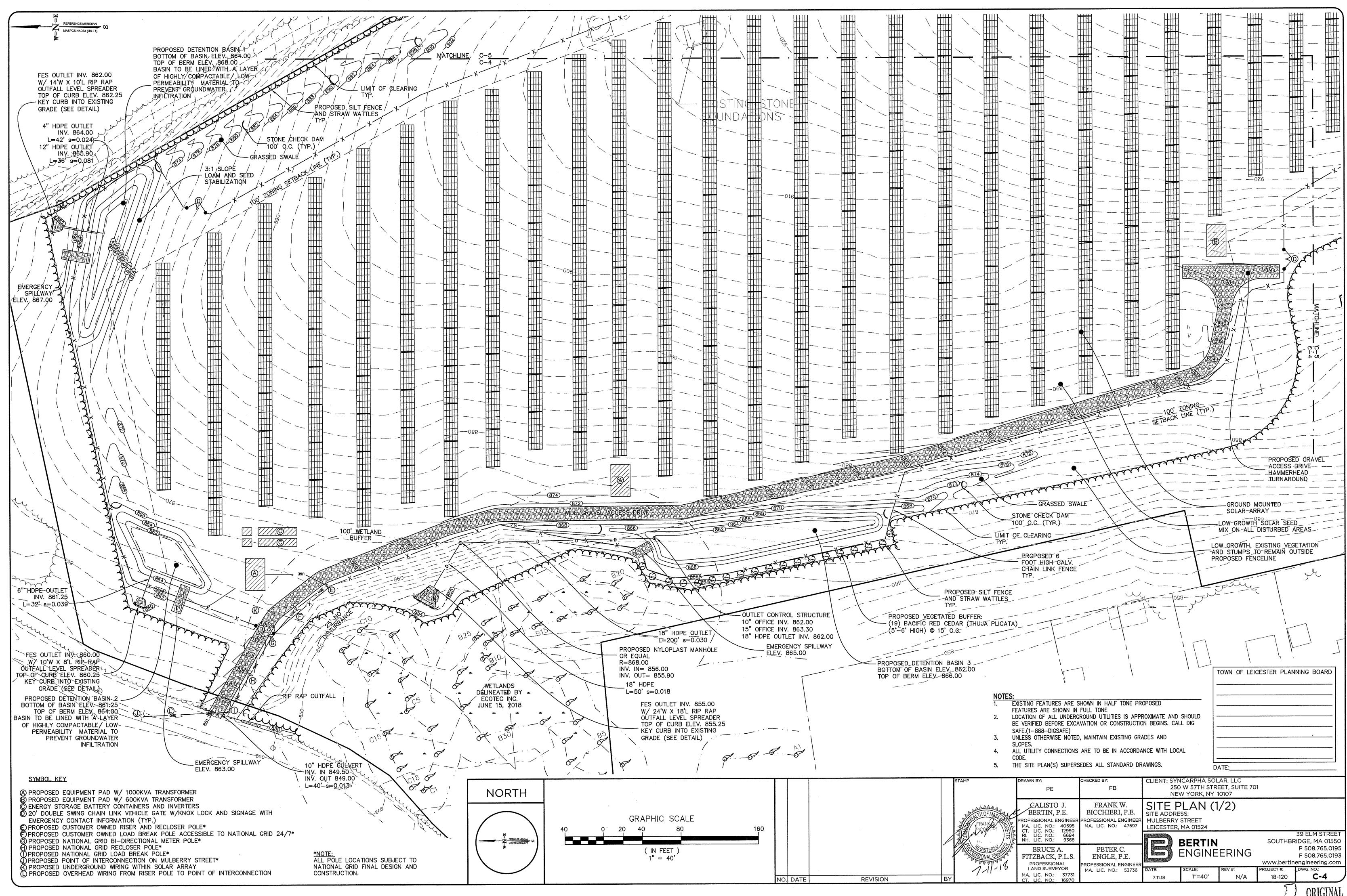


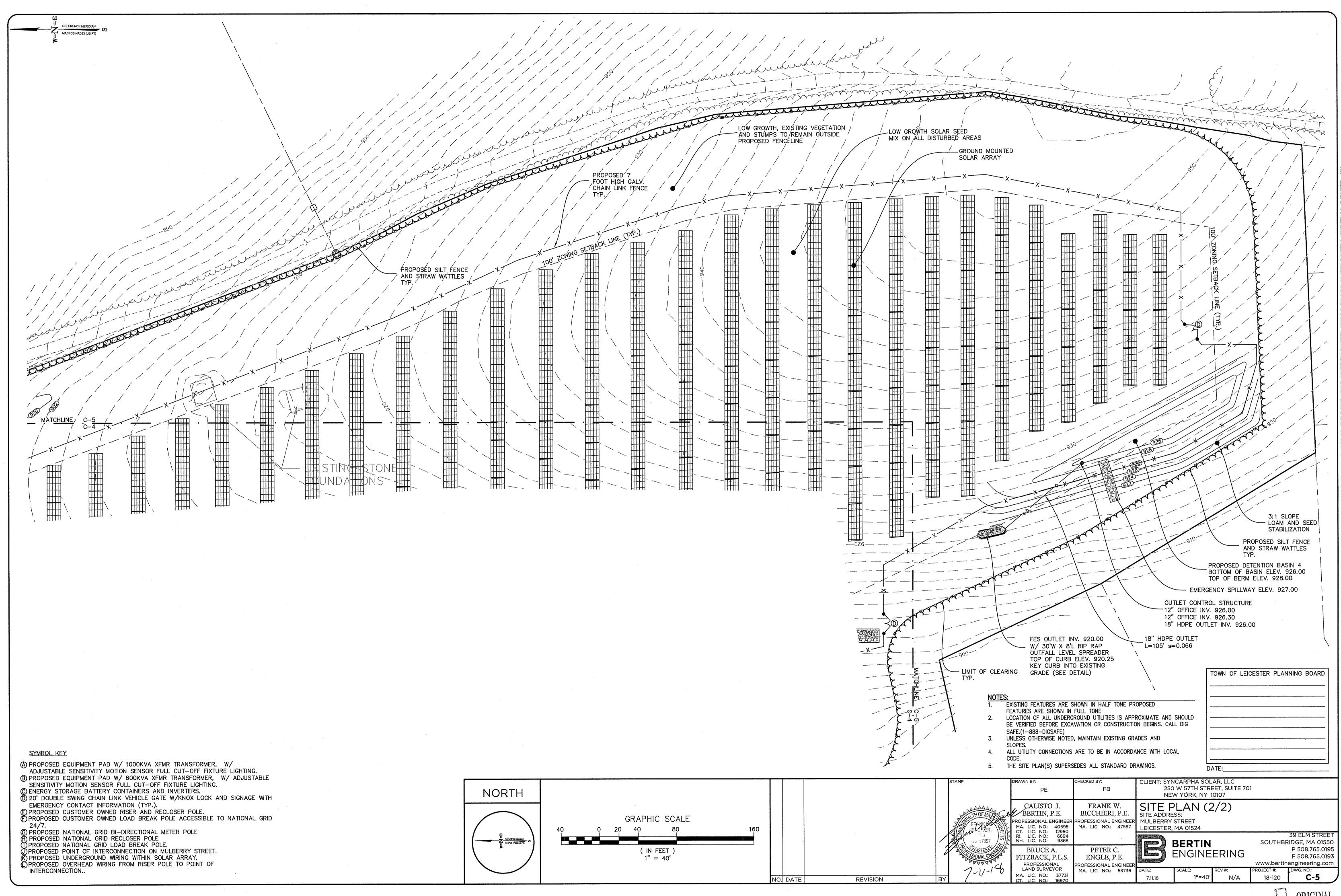
TOWN OF LEICESTER PLANNING BOARD

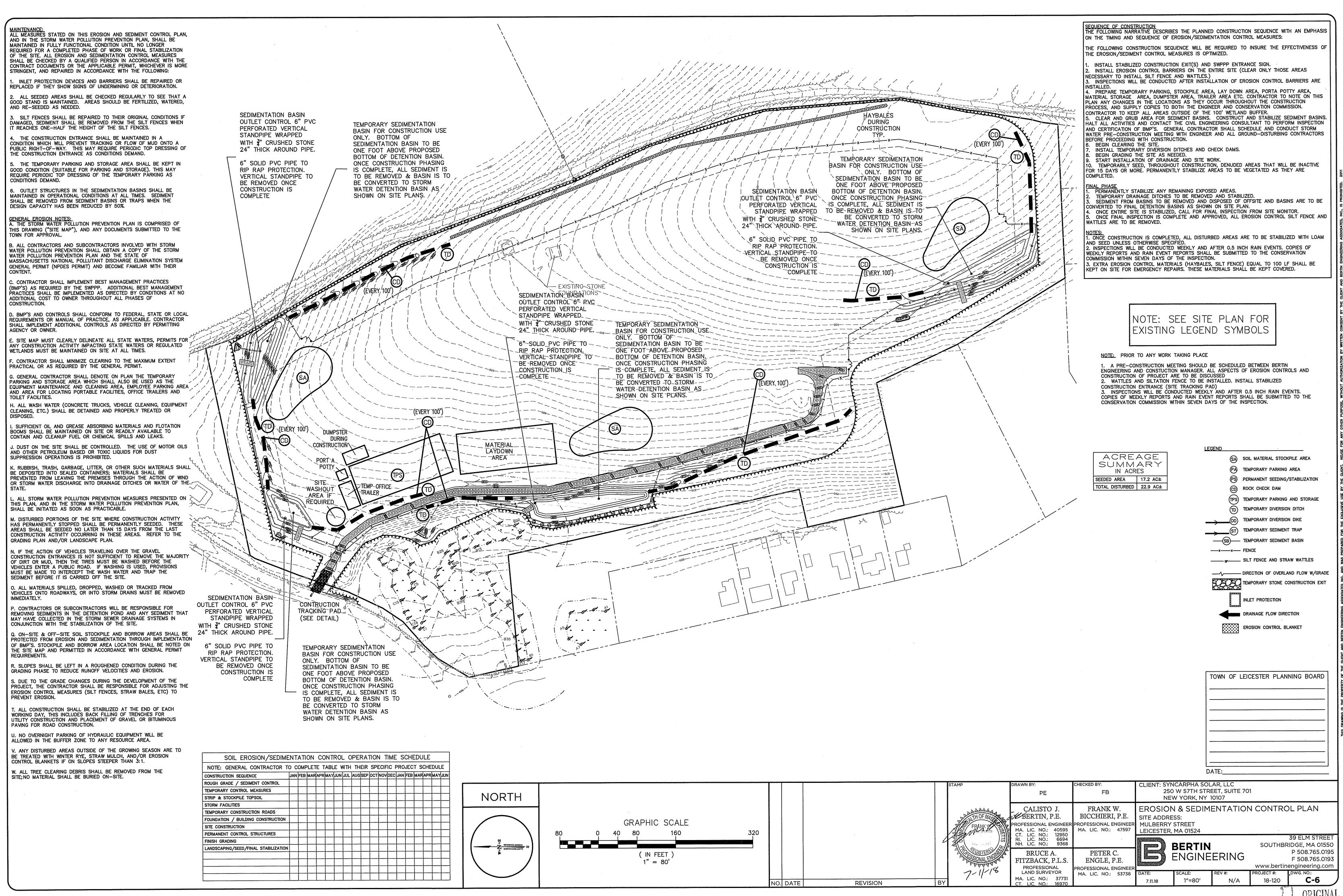


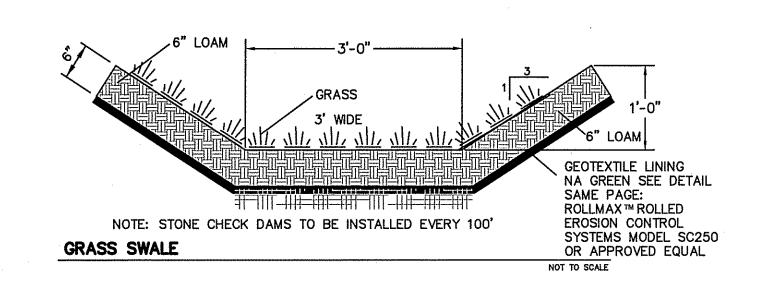


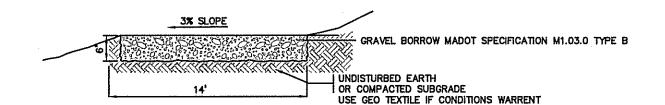












## GRAVEL DRIVEWAY DETAIL

GEOENVIRONMENTAL ---- EXTREME LOW GROW SEED BY SLIT SEEDING OXFORD MA

HEIGHT 6-9" SEEDING RATE 150 LBS PER ACRE

30% BEACON HARD FESCUE (BEACON FESTUCA LONGIFOLIA) 7-9"

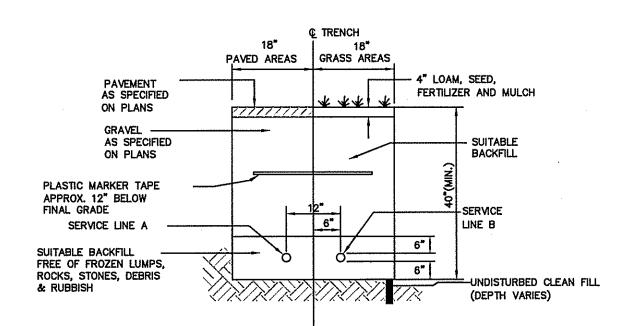
30% CHAROIT HARD FESCUE (CHARIOT FESTUCA LONGIFOLIA) 7-9"

20% MATTERHORN HARD FESCUE (MATTERHORN FESTUCA LONGIFOLIA) 7-9"

10% HIGHLAND COLONIAL BENTGRASS (HIGHLAND AGROSTIS CAPILLARIS) 6-8"

10% SHARK CREEPING BENT GRASS (SHARK AGROSTIS PALUSTRIS) 6-8" TOPSOIL TO REMOVE DEBRI AND OBJECTIONABLE WEED AND STONES. TOPSOIL SHALL BE FRIABLE AND LOAMY AND CONTAIN NO TOXIC SUBSTANCE HARMFUL TO PLANT GROWTH (REAPPLIED) UNDISTURBED EARTH

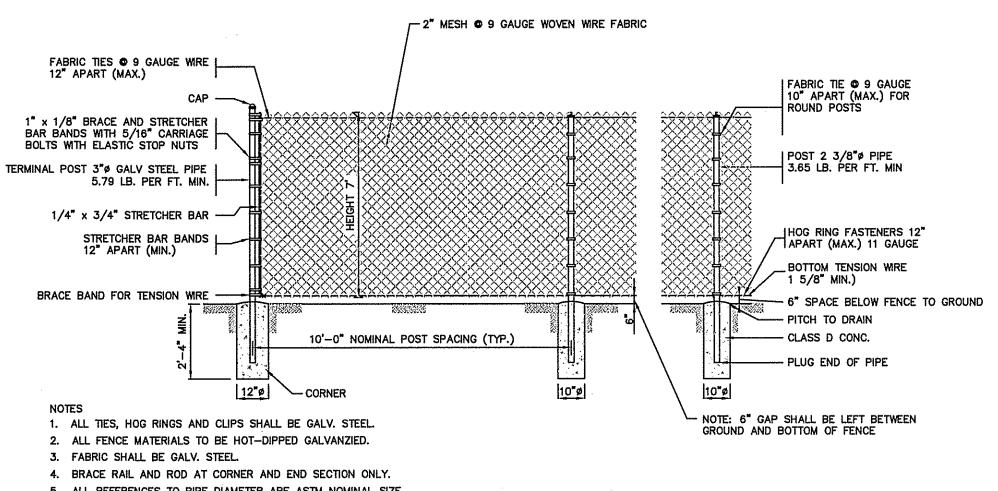
TOP SOIL & SEED DETAIL



CONDUIT TYPE								
SERVICE	CONDUIT SIZE	GRASS AREAS	PAVED AREAS	YTUITU	NOTES			
Α	4"	RIGID GALVANIZED STEEL, ASTM A120 — SEE NOTE 1	RIGID GALVANIZED STEEL, ASTM A120 — SEE NOTE 1	POWER	PROVIDE PULL WIRI			
В	4"	SCHEDULE 40 PVC	RIGID GALVANIZED STEEL, ASTM A120 — SEE NOTE 1	TELEPHONE	PROVIDE PULL WIRE			

RISER POLE. EXTEND 5' ONTO PROPERTY.

UTILITY TRENCH DETAIL SUBJECT TO FINAL ELECTRICAL DESIGN



5. ALL REFERENCES TO PIPE DIAMETER ARE ASTM NOMINAL SIZE. 6. WITH THE APPROVAL OF THE ENGINEER, IN SOFT MARSHY GROUND, POSTS MAY BE DRIVEN, THE CONCRETE FOOTING DELETED AND APPROVED DRIVE ANCHORS USED.

75% OF RIP-RAP STONE SHALL BE 70 TO 100 LBS. AND SHALL BE HAND CHINKED TO LEAVE A SMOOTH SURFACE ALONG THE TOP OF THE DIKE AND A ROUGH SURFACE ALONG DOWNSTREAM SURFACE AND TOE OF THE DIKE.

NOT TO SCALE

NOT TO SCALE

CARRY SPILLWAY

ŞPILLWAY ELEV.

SECTION A-A

TYPICAL EVERGREEN PLANTING DETAIL

NOT TO SCALE

2'-0" BEYOND DIKE CREST

CHAIN LINK FENCE DETAIL

EMERGENCY SPILLWAY SECTION

DETENTION BASIN BERM SECTION

TOP OF IMPERVIOUS CORE ~ ELEV.=1' BELOW TOP OF BERM

COMPACTED COMMON

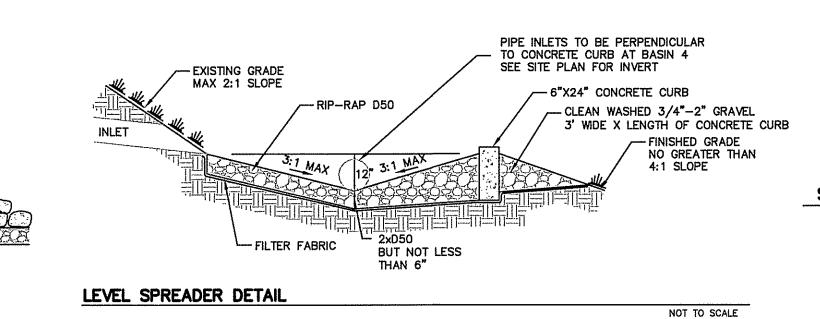
FILL/ORDINARY BORROW-

12" OF 1-1/2" CRUSHED STONE WRAPPED IN FILTER FABRIC MIRAFI 140N OR APPROVED EQUIVALENT-

RIP-RAP STONE

(SEE NOTE)

SPILLWAY ELEV.



- EXIST. GRADE

ø+12"

DRAINAGE PIPE IN TRENCH

- APPROVED BACKFILL

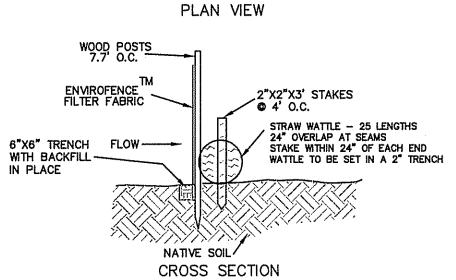
- SELECTED SANDFILL LAID IN 6" COMPACTED COURSES

6" CRUSHED STONE COMBINED WITH 3/4" PEA STONE TO BE MAINTAINED AS NEEDED— CHECK DAM SECTION

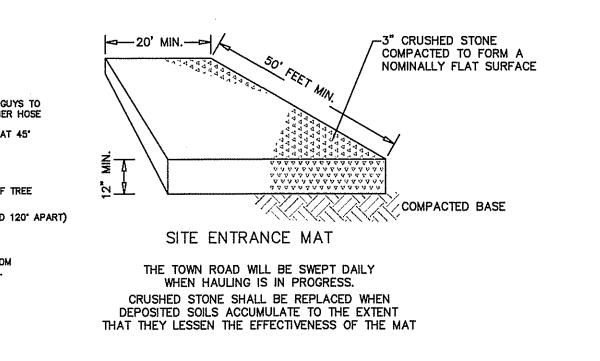
STONE CHECK DAM DETAIL

ENVIROFENCE ! FILTER FABRIC WOOD POST-

NOT TO SCALE



SEDIMENTATION CONTROL BARRIER



NOT TO SCALE

TRACKING PAD DETAIL

capital 🎥 Emergency 24/7 Contact Number 844-645-0305 www.syncarpha.com (212) 419-4840 info@syncarpha.com

SITE SIGN DETAIL

NOT TO SCALE

TOWN OF LEICESTER PLANNING BOARD		-	· · · · · · · · · · · · · · · · · · ·	STAMP	DRAWN BY:	CHECKED BY:	CLIENT: SYNCARPHA SOL	ADILC		
	NORTH			310.0	PE	FB	250 W 57TH STRE NEW YORK, NY 1	EET, SUITE 701		
				THOF MAD A STATE OF THE STATE O	CALISTO J. BERTIN, P.E.	FRANK W. BICCHIERI, P.E.	DETAILS SHEET SITE ADDRESS:	(1/2)		
				BIZCHIERI CIVIL. No. 47597	MA. LIC, NO.; 40595 CT. LIC. NO.: 12950		MULBERRY STREET LEICESTER, MA 01524			39 ELM STREET
	(			E GISTER STONAL EN	RI. LIC. NO.: 6694 NH. LIC. NO.: 9368 BRUCE A.	PETER C.	BERTIN ENGINE		SOUTHBRID F	DGE, MA 01550 P 508.765.0195
DATE:				7/11-18	LAND SURVEYOR	ENGLE, P.E. PROFESSIONAL ENGINEER MA. LIC. NO.: 53736			www.bertinen	F 508.765.0193 ingineering.com DWG. NO.:
DATE		NO. DATE	REVISION BY		MA. LIC. NO.: 37731 CT, LIC. NO.: 16970		7.11.18 AS NOTED	N/A	18-120	C-7

