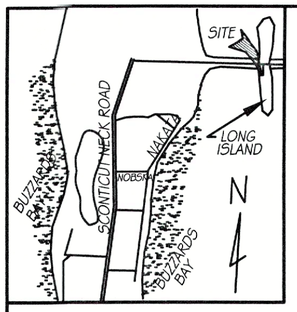
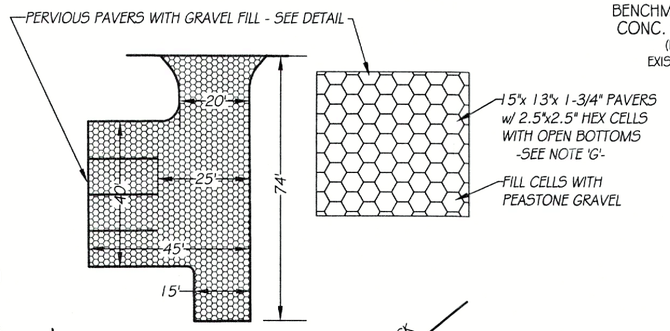
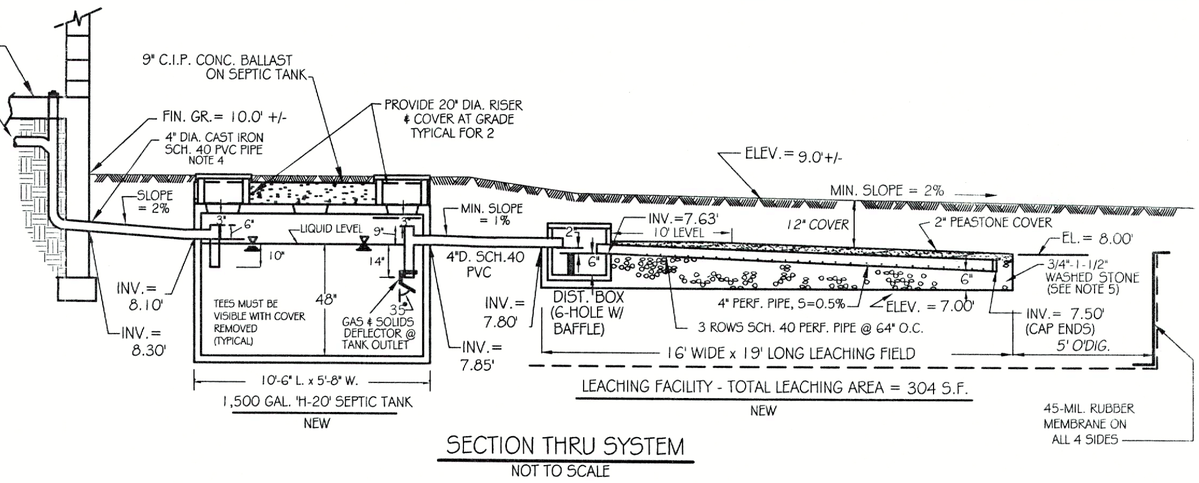


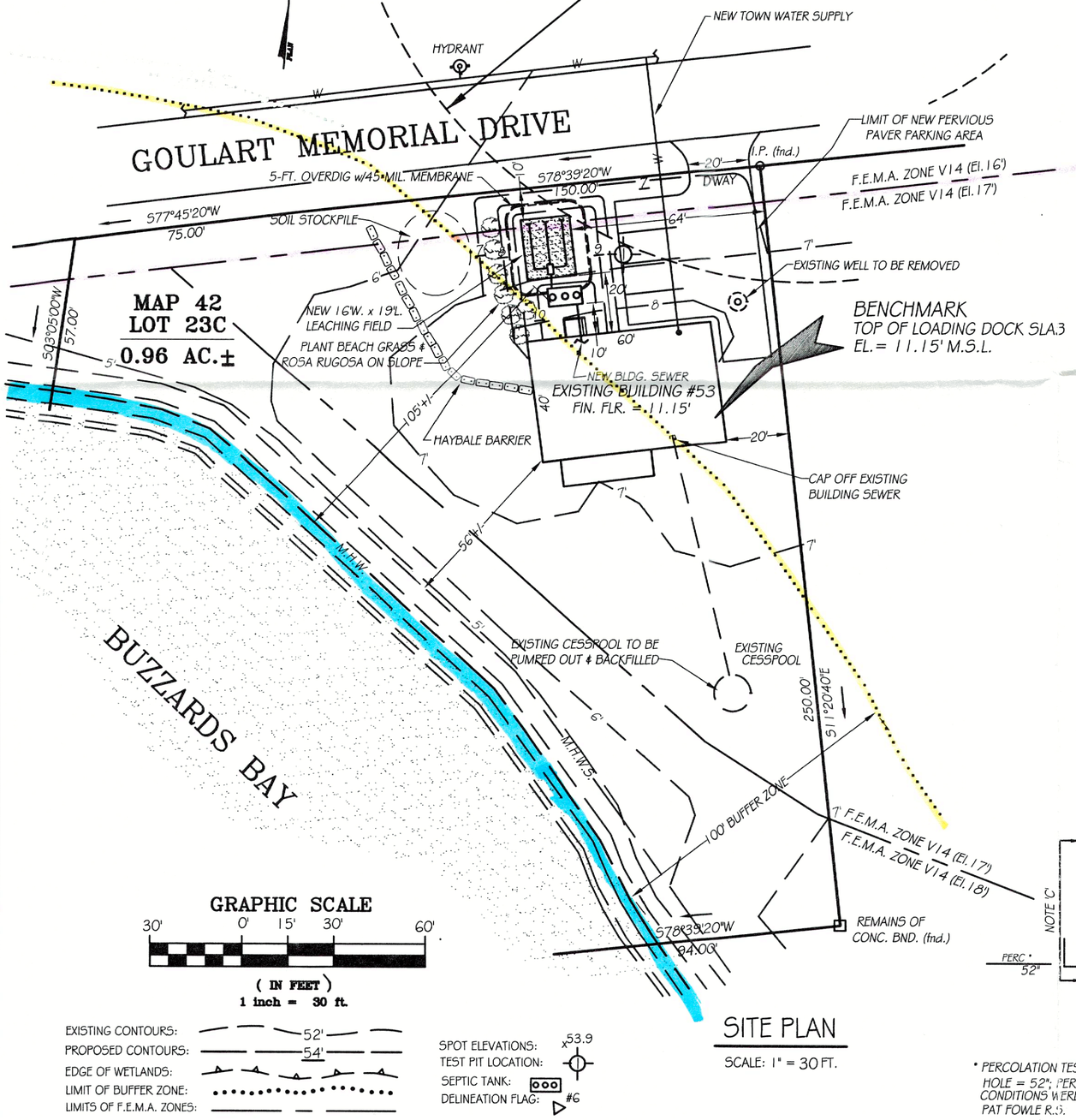
LOCUS PLAN
1" = 2,000 Ft.±



DETAIL: PARKING AREA
SCALE: 1" = 30 FT.



SECTION THRU SYSTEM
NOT TO SCALE



GRAPHIC SCALE
30' 0' 15' 30' 60'
(IN FEET)
1 inch = 30 ft.

EXISTING CONTOURS: 52'
PROPOSED CONTOURS: 54'
EDGE OF WETLANDS:
LIMIT OF BUFFER ZONE:
LIMITS OF F.E.M.A. ZONES:
SPOT ELEVATIONS: x53.9
TEST PIT LOCATION:
SEPTIC TANK:
DELINEATION FLAG: #6

SITE PLAN
SCALE: 1" = 30 FT.

SOIL LOG

T.P. # 1

0"	'A' SANDY LOAM 10 YR 3/2	6.7'
16"	'B' SANDY LOAM 10 YR 4/4	5.4'
30"	'C1' L. SAND 10 YR 5/6	4.2'
44"	Mottles @ 44"	3.0'
66"	'C2' LOAMY SAND 2.5 Y 5/3	1.2'
96"		-1.3'

NOTE 'C'
PERC.* 52"

* PERCOLATION TEST LOCATION: T.P. # 1 ; BOTTOM OF TEST HOLE = 52"; PERCOLATION RATE & DETERMINATION OF SUB-SOIL CONDITIONS WERE DONE ON JUNE 25, 2001, AS WITNESSED BY PAT FOWLE R.S.

SYSTEM DESIGN DATA:

PERCOLATION RATE = 30 MIN./INCH
BOTTOM & SIDE L.T.A.R. = 0.33 GPD/S.F.
BOTTOM AREA = 16W. x 19'L.= 304 S.F.
SIDE AREA = N/A = 0 S.F.
TOTAL LEACHING AREA = 304 S.F.
DESIGN FLOW RATE: 6 EMPLOYEES @ 15 GPD = 90 GPD. (MIN.)
SYSTEM CAPACITY = (304 S.F. x 0.33 GPD/S.F.) = 100 GPD

TANK BALLAST CALCULATION:

	1,500-GAL TANK - 'H-20'
TANK WEIGHT =	18,680 LBS.
C.I.P. CONCRETE BALLAST =	7,500 LBS.
TOTAL BALLASTED TANK WGT.=	26,180 LBS.
BUOYANCY FORCE = (TANK VOLUME x 64 PCF)	26,060 LBS.

TANK WITH SPECIFIED BALLAST HAS NEGATIVE BUOYANCY.

GENERAL NOTES:

1. THIS SYSTEM DOES NOT MAKE PROVISION FOR A GARBAGE GRINDER NOR THE BACKFLUSH EFFLUENT FROM A WATER TREATMENT SYSTEM.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH MASS. TITLE 5 AND BOARD OF HEALTH REGULATIONS, EXCEPT AS PERMITTED BY VARIANCES AS NOTED HEREON.
3. ALL COMPONENTS SHALL BE INSTALLED ON A LEVEL, STABLE BASE THAT WILL NOT SETTLE. PIPE SHALL BE LAID ON A FIRM BASE, FREE OF STONES. PRE-CAST CONCRETE TANKS SHALL BE MINIMUM 'H-10' AASHTO RATING OR 'H-20' RATING WHERE NOTED. DISTRIBUTION BOX SHALL HAVE COVER AT GRADE.
4. BUILDING SEWER SHALL BE CAST IRON OR SCH.40 P.V.C. PIPE; GRAVITY EFFLUENT PIPES SHALL BE SCH.40 P.V.C. PIPE. PUMPED EFFLUENT PIPE SHALL BE SCH.40 P.V.C. OR POLYETHYLENE PIPE.
5. WASHED STONE AND PEASTONE SHALL BE DOUBLE-WASHED STONE, FREE OF IRON, FINES AND DUST IN PLACE, WITH LESS THAN 2/10% FINER THAN #200 SIEVE. STONE WITH EXCESS FINES SHALL BE REPLACED AT NO EXPENSE TO THE OWNER.
6. OMITTED.
7. THE ENGINEER CERTIFIES TO THE SOIL CONDITIONS AND PERCOLATION RATE ONLY IN THE AREA TESTED. THE INSTALLER SHALL NOTIFY THE ENGINEER IF SOIL CONDITIONS ARE FOUND DIFFERENT THAN SHOWN ON SOIL LOG.
8. PRIOR TO FINAL COVER OF SYSTEM, THE INSTALLER SHALL NOTIFY THE ENGINEER TO MAKE AN 'AS- BUILT' INSPECTION. FINAL COVER SHALL NOT BE PLACED UNTIL SYSTEM IS APPROVED BY THE ENGINEER AND THE BOARD OF HEALTH.

NOTES:

NOTE 'A': THIS LOT IS SHOWN AS LOT 23C OF ASSESSORS MAP 42, AND IS FURTHER DESCRIBED ON A PLAN ENTITLED 'SUBDIVISION PLAN OF LAND IN FAIRHAVEN' BY ROBERT A CATTLEY SURVEYOR DATED JUNE 2, 1975 FILED AT THE BRISTOL COUNTY REGISTRY OF DEEDS LAND COURT.
NOTE 'B': THE PARCEL SHOWN HEREON LIES WITHIN A SPECIAL FLOOD HAZARD ZONE (ZONE V14, EL.17') AS DELINEATED ON F.E.M.A. COMMUNITY PANEL NO. 250054 0003C DATED JUNE 5, 1985.
NOTE 'C': REMOVE UNSUITABLE SOILS BENEATH THE LEACHING FIELD AND TO A 5-FOOT DISTANCE ON SIDES WHERE SHOWN, AND REPLACE WITH CLEAN, COARSE SAND UP TO LEVEL OF PEASTONE COVER. THE BOTTOM AND SIDES OF THE OVERDIG EXCAVATION SHALL BE SCARIFIED AND EQUIPMENT SHALL NOT BE OPERATED ON THE SCARIFIED SURFACES PRIOR TO BACKFILLING.
NOTE 'D': INSTALLER SHALL CONSTRUCT THE SYSTEM USING A PLAN BEARING THE APPROVAL OF THE LOCAL BOARD OF HEALTH.
NOTE 'E': NOTIFY DIG-SAFE PRIOR TO ANY EXCAVATION.
NOTE 'F': OMITTED.
NOTE 'G': PERVIOUS PAVERS SHALL BE HDPE '3-D CELLULAR SYSTEM' BY MCCA, INC. OR APPROVED EQUAL.
NOTE 'H': THIS DESIGN CONFORMS TO MASS. TITLE 5 & LOCAL REGULATIONS.

COMMONWEALTH OF MASSACHUSETTS
RICHARD J. CHARON
No. 28789
REGISTERED PROFESSIONAL ENGINEER

D.E.P. FILE NO.:

PLAN OF SITE AND REPAIR OF
SUBSURFACE SEWAGE DISPOSAL
PREPARED FOR
RODMAN E. TAYLOR Jr.
LOT 23C, 53 GOULART MEMORIAL DRIVE
FAIRHAVEN, MA.

CHARON ASSOCIATES, INC.
CONSULTING ENGINEERS
323 NECK ROAD, ROCHESTER, MA 02770

SCALE: AS NOTED
DATE: MARCH 31, 2003
REV.1: MAY 27, 2003

CONTACT: RICHARD J. CHARON, P.E.
TEL: 508-763-8362

DWG. NO. SD-1

PLAN
SCALE: 1"=30'

30 0 15 30 60
SCALE: 1 INCH = 30 FEET

SITE LOCUS
1"=400'

FIELD ENGINEERING CO., INC.
CONSULTING ENGINEERS
11D INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPOISETT, MA 02739
TEL: (508) 758-2749
FAX: (508) 758-2849

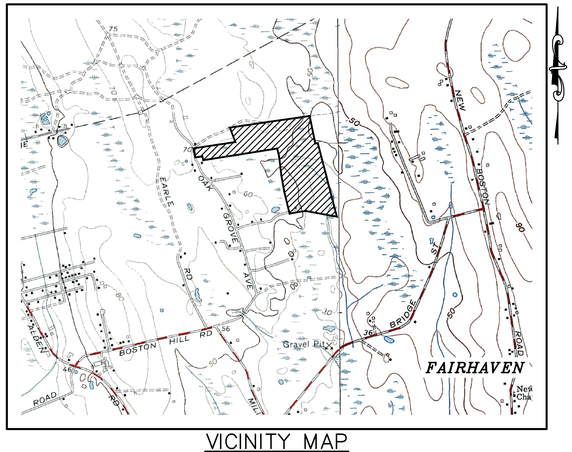
PROPOSED TEST PIT LOCATIONS
STEVEN TAYLOR
39 NELSON AVENUE
FAIRHAVEN, MASSACHUSETTS

Project No. 2446	Date 9/23/2021
Scale 1"=30'	Revised
Issued For	Sheet 1 OF 1

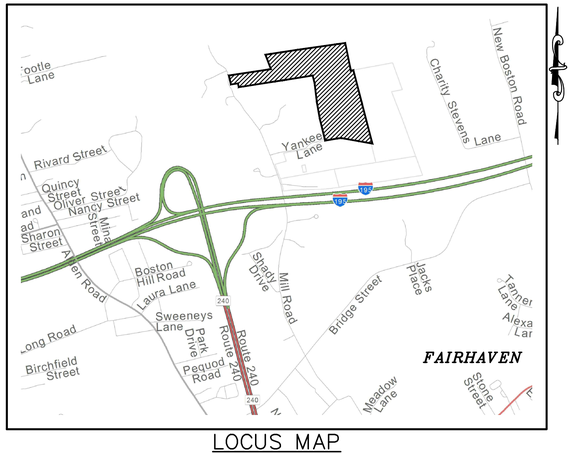
F:\ProjectData\2400-2499\2446_Taylor\Drawings\2446_TP LOCATIONS.dwg

SITE DEVELOPMENT PLANS
FOR
20 YANKEE LANE SOLAR PROJECT

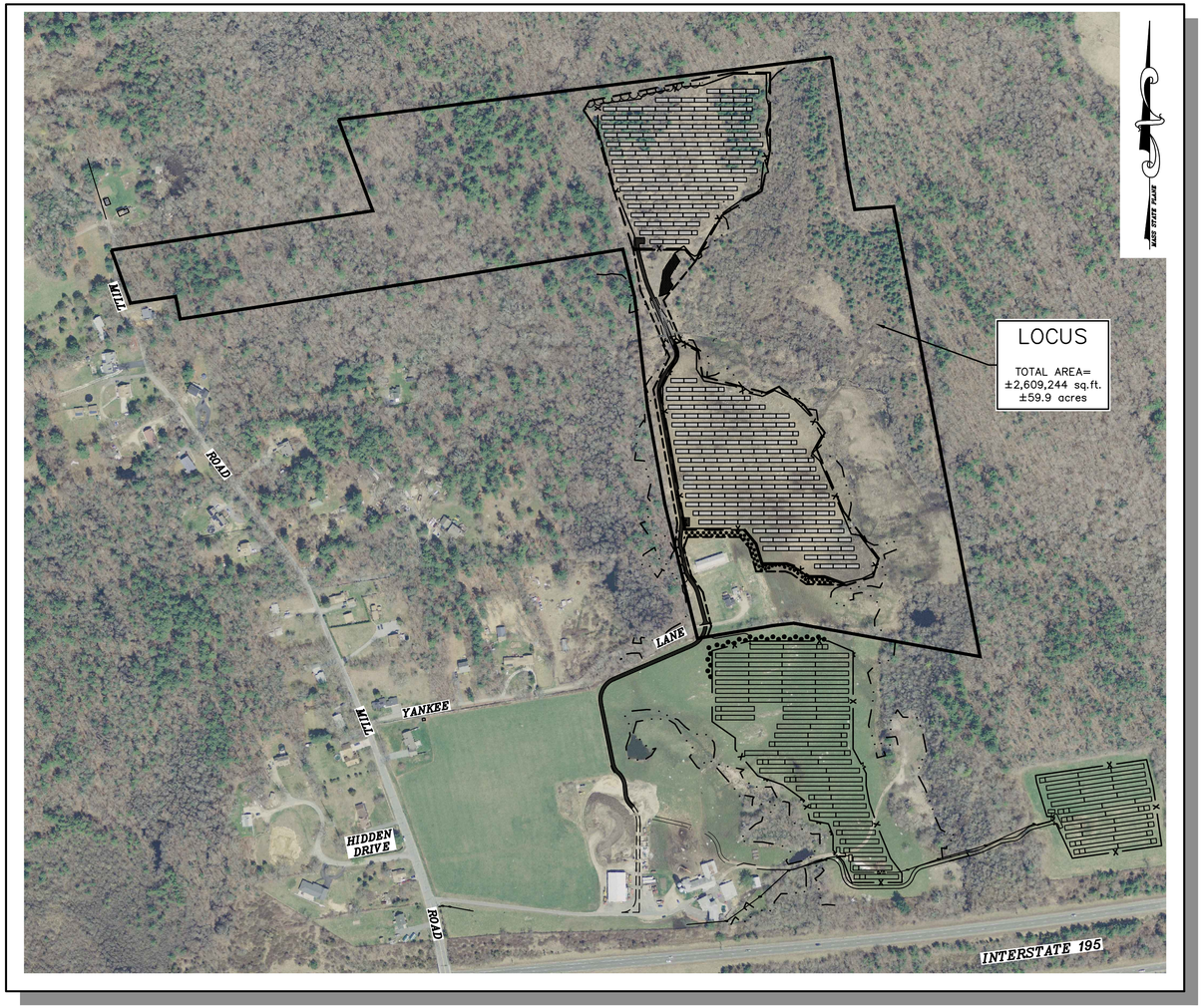
FAIRHAVEN, MASSACHUSETTS
DATE: JANUARY 18, 2018
REVISED MARCH 22, 2018
REVISED APRIL 18, 2018
REVISED AUGUST 24, 2018
REVISED NOVEMBER 4, 2020
REVISED JANUARY 4, 2021



VICINITY MAP
1" = 1,500'



LOCUS MAP
1" = 1,500'



OVERALL LOCATION PLAN
SCALE: 1" = 250'

NOTE:
"THE CONTRACTOR SHALL GIVE SEVEN (7) DAYS' NOTICE TO PERTINENT TOWN DEPARTMENTS BEFORE COMMENCING WORK IN THE FIELD"

INDEX OF PLANS

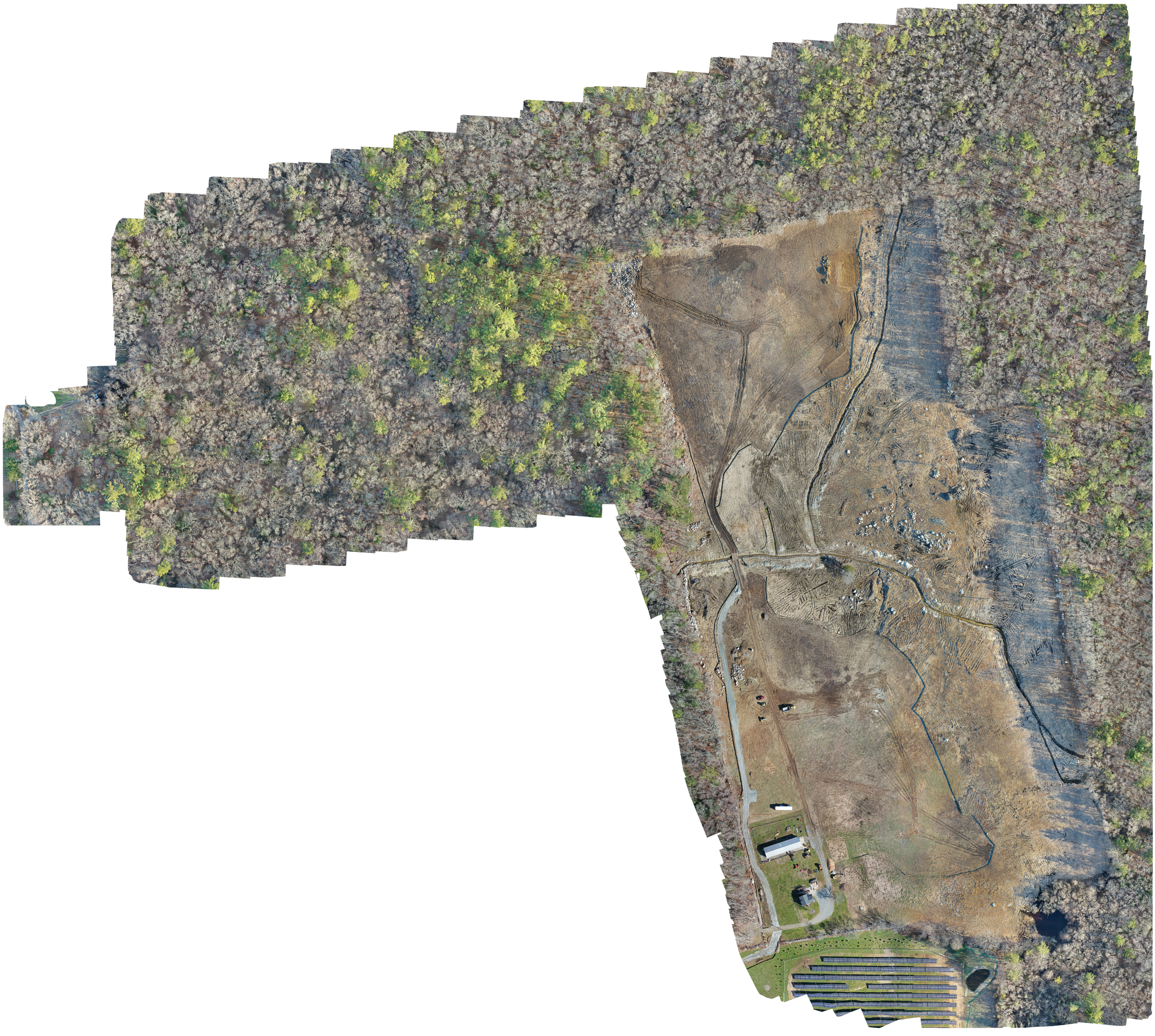
SHEET NO.	TITLE	SCALE
1	COVER SHEET	1" = 250'
2	OVERALL EXISTING CONDITIONS PLAN	1" = 150'
3	OVERALL SITE DEVELOPMENT PLAN	1" = 150'
4	SITE DEVELOPMENT PLAN	1" = 40'
5	SITE DEVELOPMENT PLAN	1" = 40'
6	SITE DEVELOPMENT PLAN	1" = 40'
7	DETAILS PLAN	N.T.S.

OWNER:
ANTONIO S. & INEZ M. LOPES
C/O BRIAN LOPES
20 YANKEE LANE
FAIRHAVEN, MASSACHUSETTS 02719

PREPARED FOR:
FAIRHAVEN MA 2, LLC.
C/O CON EDISON CLEAN ENERGY BUSINESSES
P.O. BOX 2002
PAWCATUCK, CONNECTICUT 06379

ENGINEER:
Atlantic®
DESIGN ENGINEERS, INC.
P.O. Box 1051, Sandwich, MA 02563
(508) 888 – 9282

FILE: 2893.03-SITE-R5

Sheet	of
1	7

JOB NUMBER
2893.03