



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Southeast Regional Office • 20 Riverside Drive, Lakeville MA 02347 • 508-946-2700

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Kathleen A. Theoharides
Secretary

Martin Suuberg
Commissioner

May 12, 2021

Daniel T. Barrett
Town of Bourne
Department of Integrated Solid Waste Management
24 Perry Avenue
Buzzards Bay, Massachusetts 02532

RE: DETERMINATION OF ADMINISTRATIVE COMPLETENESS

Application for: BWP SW38
Modification of an Existing Site Assignment for Landfill Expansion
Application No. 21-SW38-0001-APP

AT: Town of Bourne Integrated Solid Waste Management Facility
201 MacArthur Boulevard
Bourne, Massachusetts 02532
Facility # 39101
Regulated Object # 172356

Dear Mr. Barrett:

The Massachusetts Department of Environmental Protection, Solid Waste Management Section ("MassDEP"), has completed its Administrative Review of the permit application ("Application") listed above and determined that the application is administratively complete.

The Application was submitted on behalf of Town of Bourne Department of Integrated Solid Waste Management (the "Applicant") by SITEC Environmental, Inc. of Marshfield, Massachusetts, and received by MassDEP on March 29, 2021. MassDEP is reviewing the Application under the provisions of 310 CMR 16.00, Site Assignment Regulations for Solid Waste Facilities. MassDEP has assigned Report Number 036-001-C to this permit application.

The Applicant proposes to modify the existing site assignment to allow landfilling to occur on 25-acres within the 99-acres existing site assignment area, which is currently limited to solid waste handling operations. The proposed modifications include the Phase 7, Phase 8 and Phase 9 vertical and horizontal landfill expansions. The Phase 7 and Phase 8 will be developed on the 25-acre

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.
TTY# MassRelay Service 1-800-439-2370
MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

parcel and the Phase 9 vertical expansion will be built on the 74-acres existing site assignment area.

The permit application consists of the document entitled:

**BWP SW 38 – Application for Site Suitability
For a Major Modification of an Existing Site Assignment
Bourne Integrated Solid Waste
Management Facility
Bourne, Massachusetts
March 29, 2021**

The Application was submitted electronically via the Massachusetts Executive Office of Energy and Environmental Affairs ePlace Portal at <https://permitting.state.ma.us/CitizenAccess/> on March 29, 2021.

In response to MassDEP's Determination of Administrative Incompleteness issued on April 20, 2021, supplemental information was submitted on April 21, 2021.

The Application may be reviewed online at: <https://eeaonline.eea.state.ma.us/EEA/PublicApp/> using the "Site Name" Bourne Landfill and the "Search" tab. Under "Record Type", select the "Application" file with the March 29, 2021 "Application Date".

In accordance with 310 CMR 16.10(4) you must provide public notice that the site suitability application has been filed with the Bourne Board of Health. You must notify all parties identified at 310 CMR 16.08(2) and abutters to the site by certified mail. In addition you must publish a Public Notice in at least one newspaper that has general circulation within the Town of Bourne and in the Massachusetts Environmental Policy Act (MEPA) Monitor. If the Town of Bourne has a population of greater than 15% of residents who do not speak English as their primary language, then you must publish an additional notice in a daily or weekly newspaper(s) circulated in that community written in the primary language(s) of these residents. A sample public notice advertisement format is enclosed for your use.

MassDEP's Review Period shall commence when you have provided proof that the Public Notice requirement as set forth in 310 CMR 16.10(4) has been satisfied. Proof may be the form of a copy of the public notice in the publication. In addition you should submit a certified abutters list from the Town of Bourne, copies of all certified mail return receipts, and a copy of the notice in the MEPA Monitor.

MassDEP will accept written comments from all interested persons for a period of twenty-one (21) days following receipt of proof of publication of the notice and commencement of the Review Period. Please be advised that comments received by MassDEP during the public comment period could require that additional information be submitted and/or the application be modified. Pursuant to 310 CMR 16.11(3)(a), during the initial 40 days of the Review Period, you may modify the application provided that said modifications, when taken in their totality, do not constitute a major

modification. In addition, MassDEP may require you to provide additional information as MassDEP deems necessary to fully evaluate if the site is suitable.

Pursuant to the provisions of 310 CMR 4.04, MassDEP is provided a total of sixty (60) days following receipt of proof of publication of the notice to perform a technical review of the application and issue a decision regarding the suitability of the site

Should there be any questions, please contact MassDEP at the letterhead address or telephone me at (508) 946-2847 or Alison Cochrane at (508) 946-2778 or Elza Bystrom at (508) 946-2856. Any correspondence regarding this matter should reference DEP FILE # 036-001-C.

Very truly yours,

This final document copy is being provided to you electronically by the Department of Environmental Protection. A signed copy of this document is on file at the DEP office listed on the letterhead.

Mark Dakers, Chief
Solid Waste Management Section

cc: Massachusetts Department of Public Health
Bureau of Environmental Health Services
250 Washington Street, 7th Floor
Boston, MA 02108
Email: steven.hughes@mass.gov
Email: bharathi.patimalla-dipali@mass.gov

cc: Town of Bourne Board of Health
samaral@townofbourne.com

SITEC Environmental, Inc.
A. Raymond Quinn, P.E. – rquinn@sitecenv.com

DEP-Boston
ATTN: G. Cooper
J. Fischer

DEP-SERO
ATTN: S. Pickering
L. Ramos
M. Dakers

**Sample: Site Assignment Public Notice Advertisement
Modification to Site Assignment**

Massachusetts Department of Environmental Protection
Bureau of Air and Waste
Southeast Regional Office
20 Riverside Drive, Lakeville, MA 02347

Town of Bourne
Public Notice

In accordance with Massachusetts General Laws, Chapter 111, Sections 150A and 150A 1/2 and the regulations promulgated thereunder, 310 CMR 16.00 "Site Assignment Regulations for Solid Waste Facilities," an application has been filed with the Bourne Board of Health for modifications to an existing site assignment of a parcel of land located at 201 MacArthur Boulevard, Bourne, MA, 02532.

There are two areas under consideration for site assignment modifications. The first area under consideration is a 25-acre parcel that is currently site-assigned for solid waste handling and modifications would allow a portion of the parcel to be used for a horizontal landfill expansion. The proposed horizontal landfill expansion, designated as Phase 7 and Phase 8, consists of approximately 21 acres of new landfill cells. The second area under consideration for site assignment modifications is a 74-acre parcel that is currently site-assigned as a landfill. Proposed modifications consist of a vertical landfill expansion, designated as Phase 9, over the existing landfill areas. Phase 9 would increase the maximum height of the landfill from elevation 185-ft MSL to elevation 220-ft MSL. Phase 7, Phase 8, and Phase 9 would provide approximately 5,175,000 cubic yards of disposal capacity and would extend the life of the landfill until approximately year 2040. The proponent is the Town of Bourne Department of Integrated Solid Waste Management, 24 Perry Avenue, Buzzards Bay, MA, 02532.

Copies of the Site Assignment Application may be reviewed at **(INSERT THE PUBLIC LOCATION(s) AND HOURS WHERE THE APPLICATION MAY BE REVIEWED)**. Paper copies of the application may be obtained at no cost by contacting **INSERT NAME and CONTACT PHONE NUMBER and CONTACT EMAIL**.

The Application may be reviewed online at: <https://eeaonline.eea.state.ma.us/EEA/PublicApp/>. Scroll down on the first screen and in the "Site Name/Location Name" box type "Bourne Landfill" and then click on the orange "Search" box the bottom of the page. Under "Record Type", select the "Application" file with the 3/29/2021 "Application Date". The Permit Application and supporting documents will appear in blue links. Click on one link at a time to access each separate document.

The Department of Environmental Protection shall receive comments on the suitability of the proposed site for 21 days from the date of the Department's receipt of proof that the public notice requirement has been completed. All comments regarding the suitability of site assignment of this site should reference the DEP FILE # 036-001-C, and be mailed to: Mark Dakers, Department of Environmental Protection, Bureau of Air and Waste, Southeast Regional Office, 20 Riverside Drive, Lakeville, MA 02347, or e-mail to:

["sero.solidwaste@mass.gov"](mailto:sero.solidwaste@mass.gov). In addition, comments may be submitted online at <https://eeaonline.eea.state.ma.us/EEA/PublicApp/>.

The applicant may modify the application for the initial 40 days of the review period where such modifications are deemed not to be major modifications. The Department shall issue a Department Report on Suitability within 60 days of the date of the Department's receipt of proof that the public notice requirements have been completed.



Massachusetts Department of Environmental Protection
One Winter Street, Boston MA 02108 • Phone: 617-292-5751

Communication for Non-English Speaking Parties - 310 CMR 1.03(5)(a)



1 English:

This document is important and should be translated immediately. If you need this document translated, please contact MassDEP's Diversity Director at the telephone numbers listed below.



2 Español (Spanish):

Este documento es importante y debe ser traducido inmediatamente. Si necesita este documento traducido, comuníquese con el Director de Diversidad de MassDEP a los números de teléfono que aparecen más abajo.



3 Português (Portuguese):

Este documento é importante e deve ser traduzido imediatamente. Se você precisa deste documento traduzido, entre em contato com Diretor de Diversidade da MassDEP para os números de telefone listados abaixo.



4(a) 中國 (傳統) (Chinese (Traditional)):

本文件非常重要，應立即翻譯。如果您需要翻譯這份文件，請用下面列出的電話號碼與 MassDEP 的多元化總監聯繫。



4(b) 中国 (简体中文) (Chinese (Simplified)):

本文件非常重要，應立即翻譯。如果您需要翻譯這份文件，請用下面列出的電話號碼與 MassDEP 的多元化總監聯繫。



5 Ayisyen (franse kreyòl) (Haitian) (French Creole):

Dokiman sa-a se yon bagay enpòtan epi yo ta dwe tradui imedyatman. Si ou bezwen dokiman sa a tradui, tanpri kontakte Divèsite Direktè MassDEP a nan nimewo telefòn ki nan lis pi ba a.



6 Việt (Vietnamese):

Tài liệu này rất quan trọng và cần được dịch ngay lập tức. Nếu bạn cần dịch tài liệu này, xin vui lòng liên hệ với Giám đốc Đa dạng của MassDEP theo các số điện thoại được liệt kê dưới đây.



7 ប្រទេសកម្ពុជា (Kmer (Cambodian)):

ឯកសារនេះគឺមានសារៈសំខាន់ខ្ពស់ត្រូវបានបកប្រែភ្លាមៗ ប្រសិនបើអ្នកត្រូវបានបកប្រែឯកសារនេះសូមទំនាក់ទំនងភ្នាក់ងារយុគ MassDEP នៅលេខទូរស័ព្ទដែលបានរាយនាមខាងក្រោម។



8 Kriolu Kabuverdianu (Cape Verdean):

Es documento é importante e deve ser traduzido imediatamente. Se bo precisa des documento traduzido, por favor contacta Director de Diversidade na MassDEP's pa es numero indicode li d'boche.



9 Русский язык (Russian):

Это важный документ и он должен быть безотлагательно переведен. Если вам нужен перевод данного документа, пожалуйста, свяжитесь с директором по разнообразию компании MassDEP по телефону указанному ниже

ATTACHMENT 3
PLANS AND FIGURES
(REVISED APRIL 21, 2021)

LIST OF PLANS AND FIGURES

Figure 1 - Locus Plan

Figure 2 - Property Line Plan

Figure 3 - Existing Conditions Site Plan

Figure 4 – Schematic Site Buildout Plan

Figure 5 - Initial Construction Phases Plan

Figure 6 - Intermediate Construction Phases Plan

Figure 7 - Conceptual Site Buildout Plan

Figure 8 - Site Buildout Profiles

Figure 9 - Existing Environmental Monitoring Systems

Figure 10 - Groundwater Contour Plan

Figure 11 - USACE Groundwater Flow and Contaminant Plume

Figure 12 - Water Resources Plan

Figure 13 - Land Use Plan

Figure 14 - MassDEP Water Resource Map

Figure 15 - Proposed Site Assignment Modifications

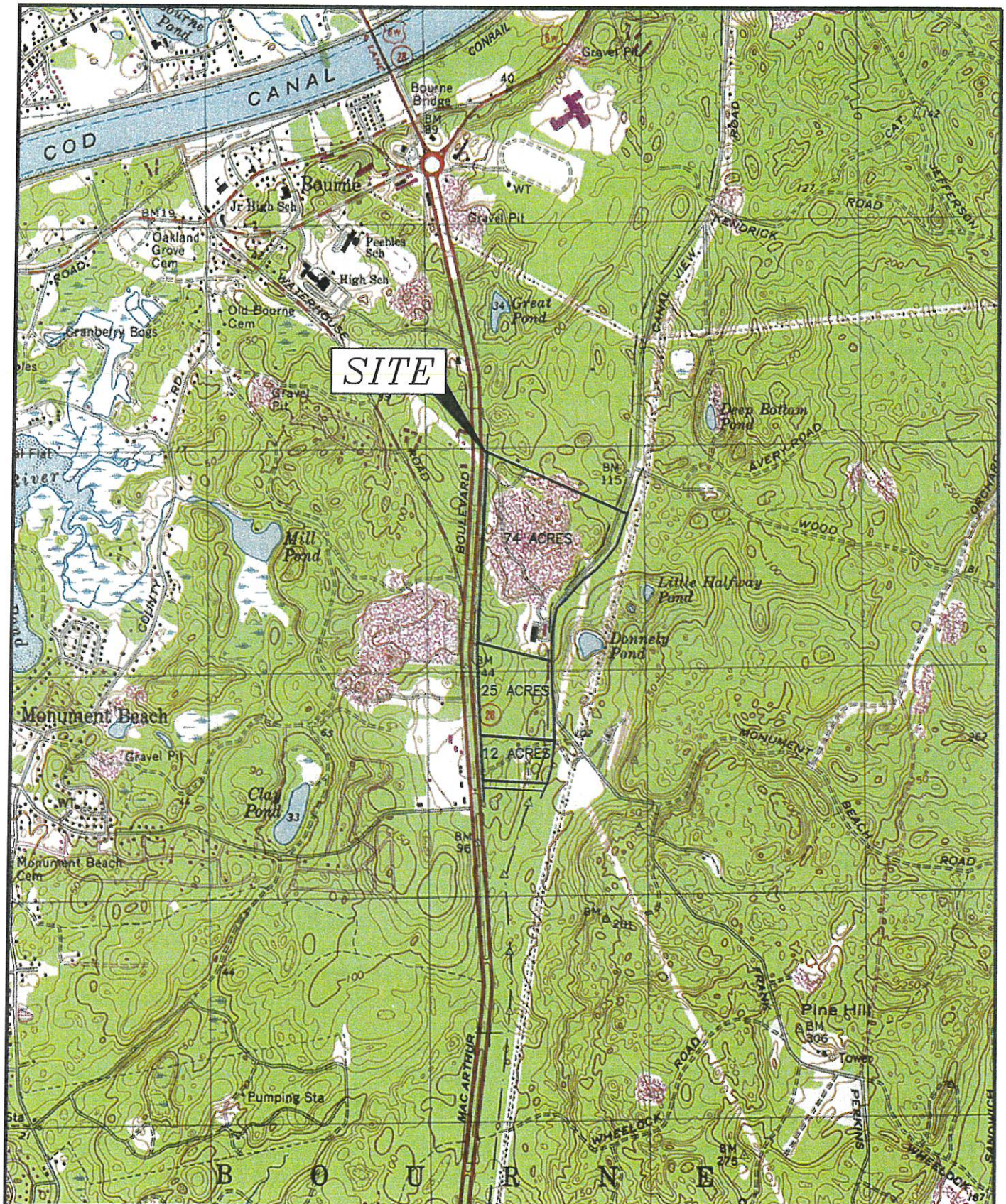
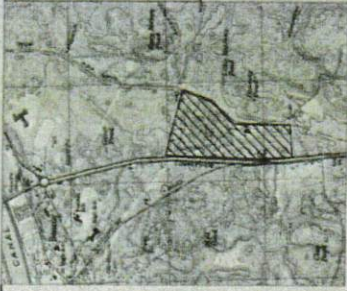


FIGURE 1 – LOCUS PLAN
 BOURNE LANDFILL
 201 MACARTHUR BOULEVARD
 BOURNE, MASSACHUSETTS

SITEC
ENVIRONMENTAL

Civil and Environmental Engineering
 Land Use Planning and Surveying
 Hazardous and Solid Waste Consultants
 700 Plain Street, Unit C
 Marshfield, MA 02049
 PHONE (781)-319-0100
 FAX (781) 654-4700



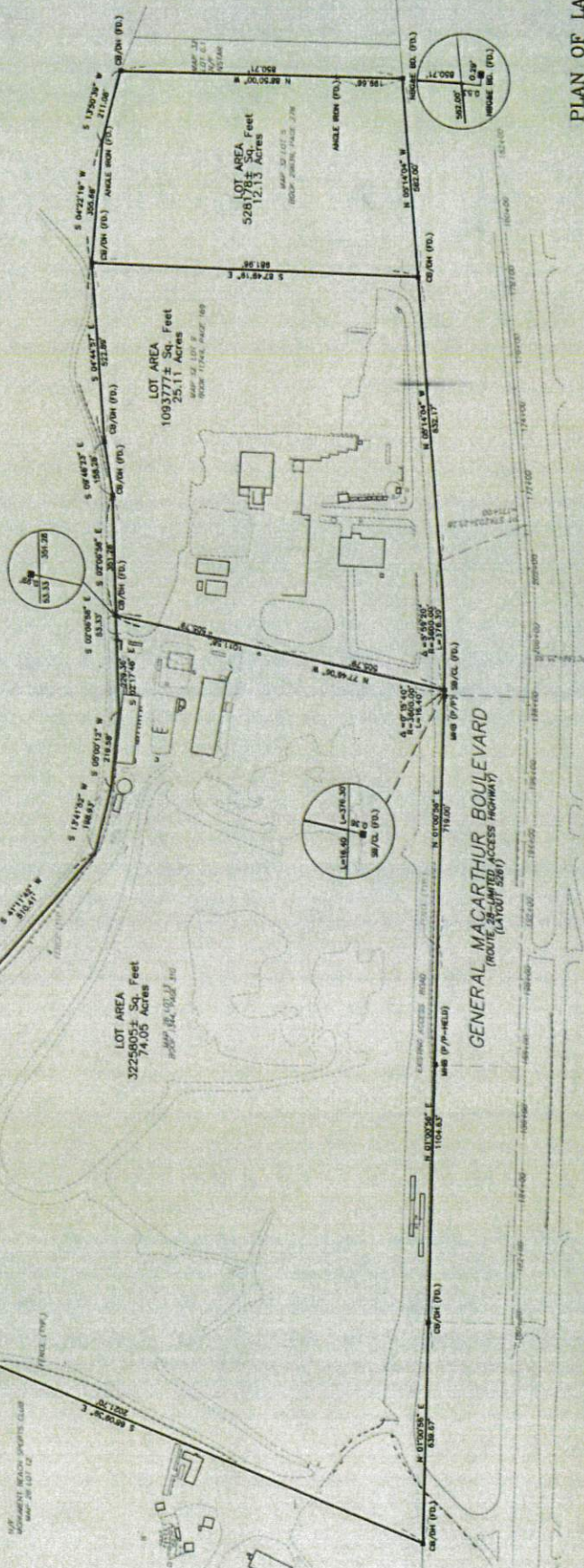


LOCUS MAP



CAMP EDWARDS
 100% SUBMITTAL RESERVATION
 (SEE MAP SHEET 5281)

RESERVATION OF INTEREST RIGHTS
 GRANTED TO U.S. OF AMERICA (2/22/04)
 (SEE MAP SHEET 5281)



PLAN OF LAND
 IN
BOURNE, MA
 PREPARED FOR
 TOWN OF BOURNE
 SCALE: 1"=150'
 PREPARED BY


SITEC Inc.
 100 Industrial Center, Bourne
 MA 01906
 (508) 838-3122
 Fax: (508) 838-1594

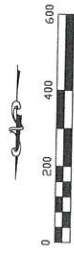
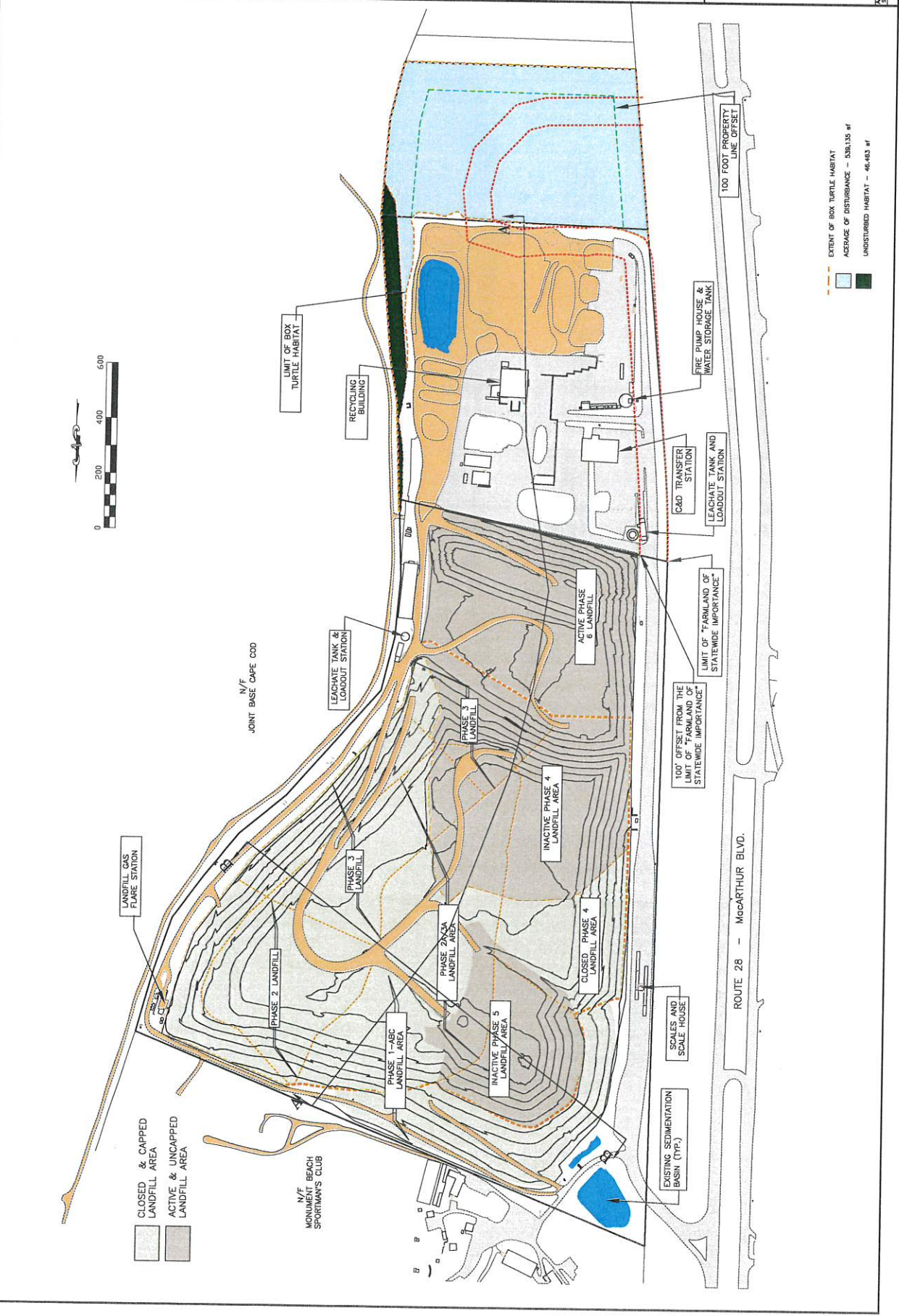
PLAN REFERENCES
 PLAN BOOK 300, PAGE 96
 PLAN BOOK 562, PAGE 14
 PLAN BOOK 562, PAGE 63
 LAYOUT # 5281(1982)
 "RESERVATION MAP, CAMP EDWARDS"
 DRAWING 911-803
 DATED 5-15-41

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED
 IN ACCORDANCE WITH THE RULES AND REGULATIONS OF
 THE REGISTER OF DEEDS, AND
 THAT THE LINES SHOWN HEREON ARE THE LINES SHOWN
 ON THE RECORD MAPS OF THE TOWN OF BOURNE, MASSACHUSETTS,
 AND THAT THE LINES SHOWN ARE THE LINES SHOWN
 ON THE RECORD MAPS OF THE TOWN OF BOURNE, MASSACHUSETTS,
 AND THAT THE LINES SHOWN ARE THE LINES SHOWN
 ON THE RECORD MAPS OF THE TOWN OF BOURNE, MASSACHUSETTS.

[Signature]
 DATE 4/17/2017

FIGURE 2 - PROPERTY LINE PLAN

	PROJECT: BOURNE LANDFILL SITE ASSIGNMENT MODIFICATION BOURNE DEPARTMENT OF INTEGRATED SOLID WASTE MANAGEMENT FIGURE 3 EXISTING CONDITIONS SITE PLAN	DRAWN BY: ARG CHECKED BY: ARG DATE: FEB. 26, 2021	REVISIONS: 1 04/20/2021 ARG PE STAMP	
	SCALE: AS SHOWN DATE: FEB. 26, 2021	PROJECT NO.: 2009-001 SHEET NO.: 3 OF 3	SCALE: 1" = 500' DATE: 04/20/2021	REVISIONS: 1 04/20/2021 ARG PE STAMP
	PROJECT: BOURNE LANDFILL SITE ASSIGNMENT MODIFICATION BOURNE DEPARTMENT OF INTEGRATED SOLID WASTE MANAGEMENT FIGURE 3 EXISTING CONDITIONS SITE PLAN	DRAWN BY: ARG CHECKED BY: ARG DATE: FEB. 26, 2021	REVISIONS: 1 04/20/2021 ARG PE STAMP	SCALE: 1" = 500' DATE: 04/20/2021



EXTENT OF BOX TURTLE HABITAT
 ACERAGE OF DISTURBANCE - 539,135 sf
 UNDISTURBED HABITAT - 46,483 sf

SITEC
 ENVIRONMENTAL
 CONSULTING
 788 State Street, Suite 200
 Bourne, MA 02532
 Phone: (508) 325-1200
 Fax: (508) 325-1202



Rev	Description	Date	By	Checked
1	ADD SITE ASSIGNMENT MOD LIMITS & PE STAMP	04/20/2021		

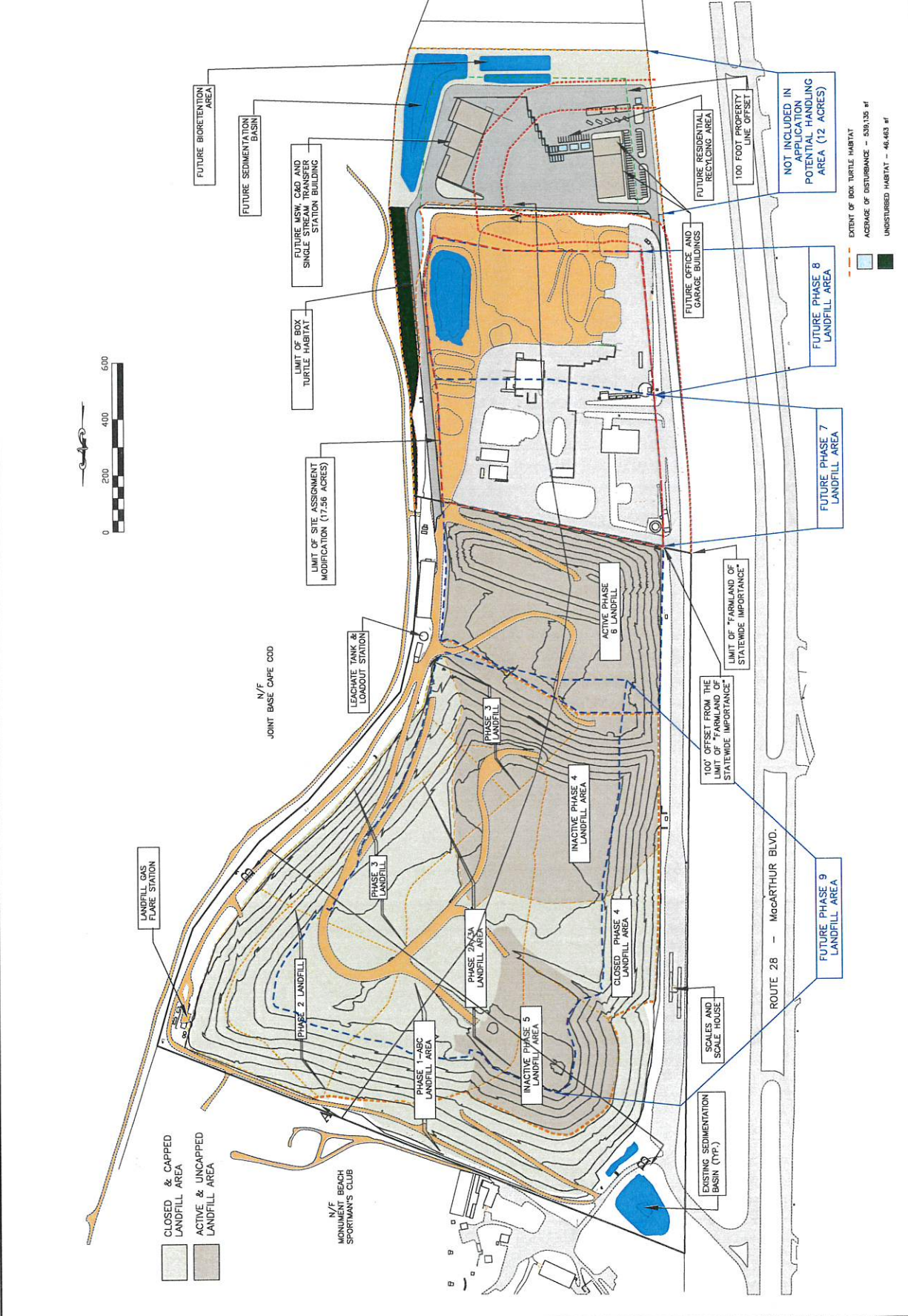
Project:	BOURNE LANDFILL SITE ASSIGNMENT MODIFICATION
Client:	BOURNE DEPARTMENT OF INTEGRATED SOLID WASTE MANAGEMENT
Figure No.:	FIGURE 4
Figure Title:	SCHEMATIC SITE BUILDOUT PLAN
Author:	AS SHOWN
Date:	FEB. 26, 2021

SITTEC ENVIRONMENTAL

8788 Southwester Blvd.
 788 Main Street, Suite C
 Bourne, MA 02532
 Phone: (508) 318-1000
 Fax: (508) 318-1733
 www.sittecenv.com

Site Remediation and Investigation
 Environmental Monitoring and Assessment
 Land Use Planning and Permitting

PROJECT: SITE PLAN - SCALAR AREA - 100'
 SCALE: 1" = 400'-12"



- ☐ CLOSED & CAPPED LANDFILL AREA
- ☐ ACTIVE & UNCAPPED LANDFILL AREA
- EXTENT OF BOX TURTLE HABITAT
- AREA OF DISTURBANCE - 539,135 sf
- UNDISTURBED HABITAT - 48,463 sf

LANDFILL GAS FLARE STATION

N/F MONUMENT BEACH SPORTSMAN'S CLUB

N/F JOINT BASE CAPE COD

LEACHATE TANK & LOADOUT STATION

SCALE HOUSE

EXISTING SEDIMENTATION BASIN (N/P)

ROUTE 28 - MACARTHUR BLVD.

FUTURE PHASE 9 LANDFILL AREA

FUTURE PHASE 8 LANDFILL AREA

FUTURE PHASE 7 LANDFILL AREA

100 FOOT PROPERTY LINE OFFSET

FUTURE OFFICE AND GARAGE BUILDINGS

FUTURE RESIDENTIAL RECYCLING AREA

NOT INCLUDED IN CALCULATED POTENTIAL HANDLING AREA (12 ACRES)

FUTURE BIORETENTION AREA

FUTURE SEDIMENTATION BASIN

LIMIT OF SITE ASSIGNMENT MODIFICATION (17.56 ACRES)

LIMIT OF BOX TURTLE HABITAT

FUTURE MSW C&D AND SINGLE STREAM TRANSFER STATION BUILDING

100' OFFSET FROM THE LIMIT OF "FARMLAND OF STATEWIDE IMPORTANCE"

LIMIT OF "FARMLAND OF STATEWIDE IMPORTANCE"

ACTIVE PHASE 6 LANDFILL

INACTIVE PHASE 4 LANDFILL AREA

PHASE 3 LANDFILL

INACTIVE PHASE 5 LANDFILL AREA

CLOSED PHASE 4 LANDFILL AREA

PHASE 2A/B LANDFILL AREA

PHASE 3 LANDFILL

PHASE 2 LANDFILL

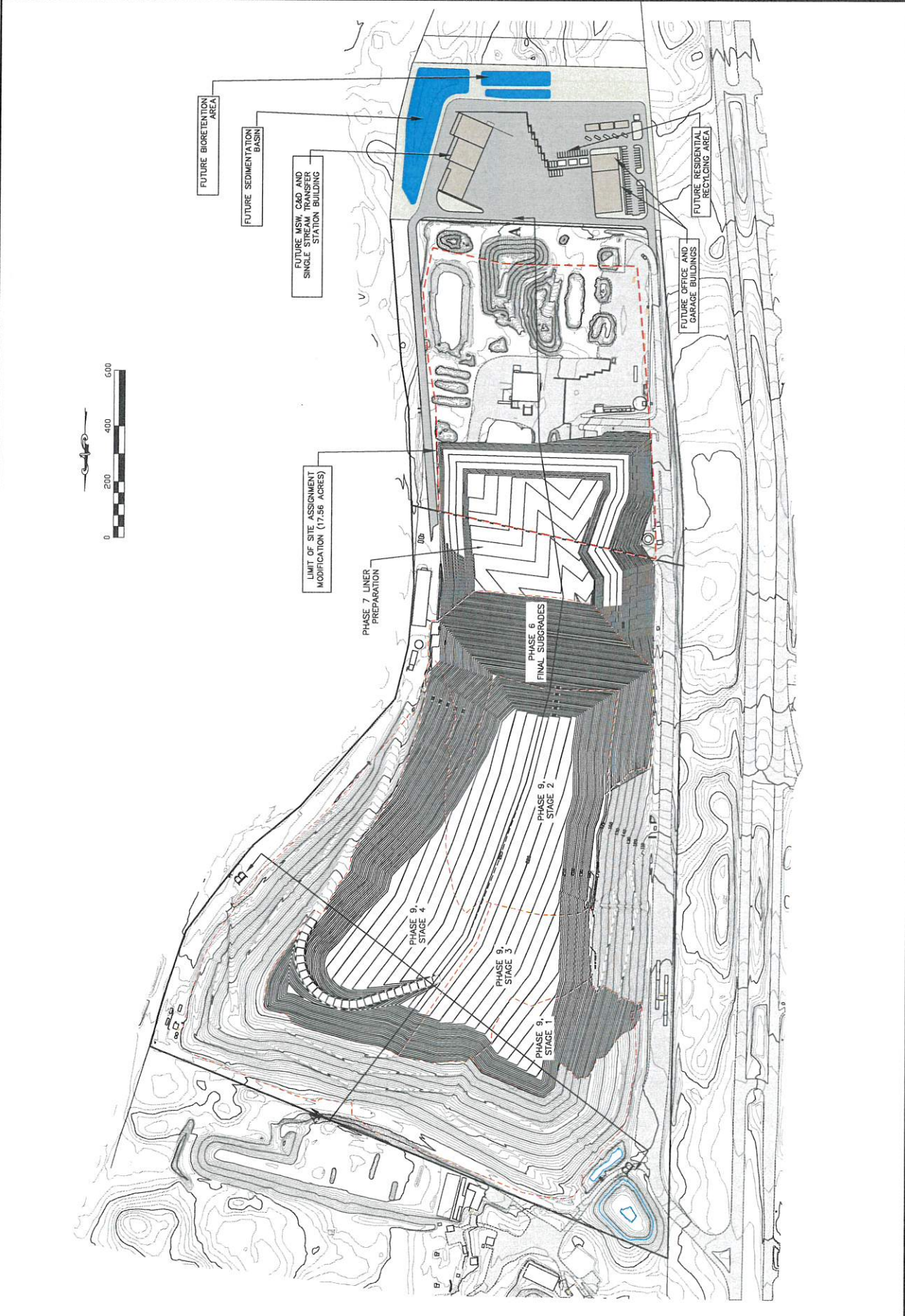
PHASE 1 LANDFILL


LANDFILL GAS FLARE STATION

BOURNE LANDFILL
 SITE ASSIGNMENT MODIFICATION
 BOURNE DEPARTMENT OF
 INTEGRATED SOLID WASTE MANAGEMENT
 FIGURE 5
 INITIAL CONSTRUCTION PHASE PLAN

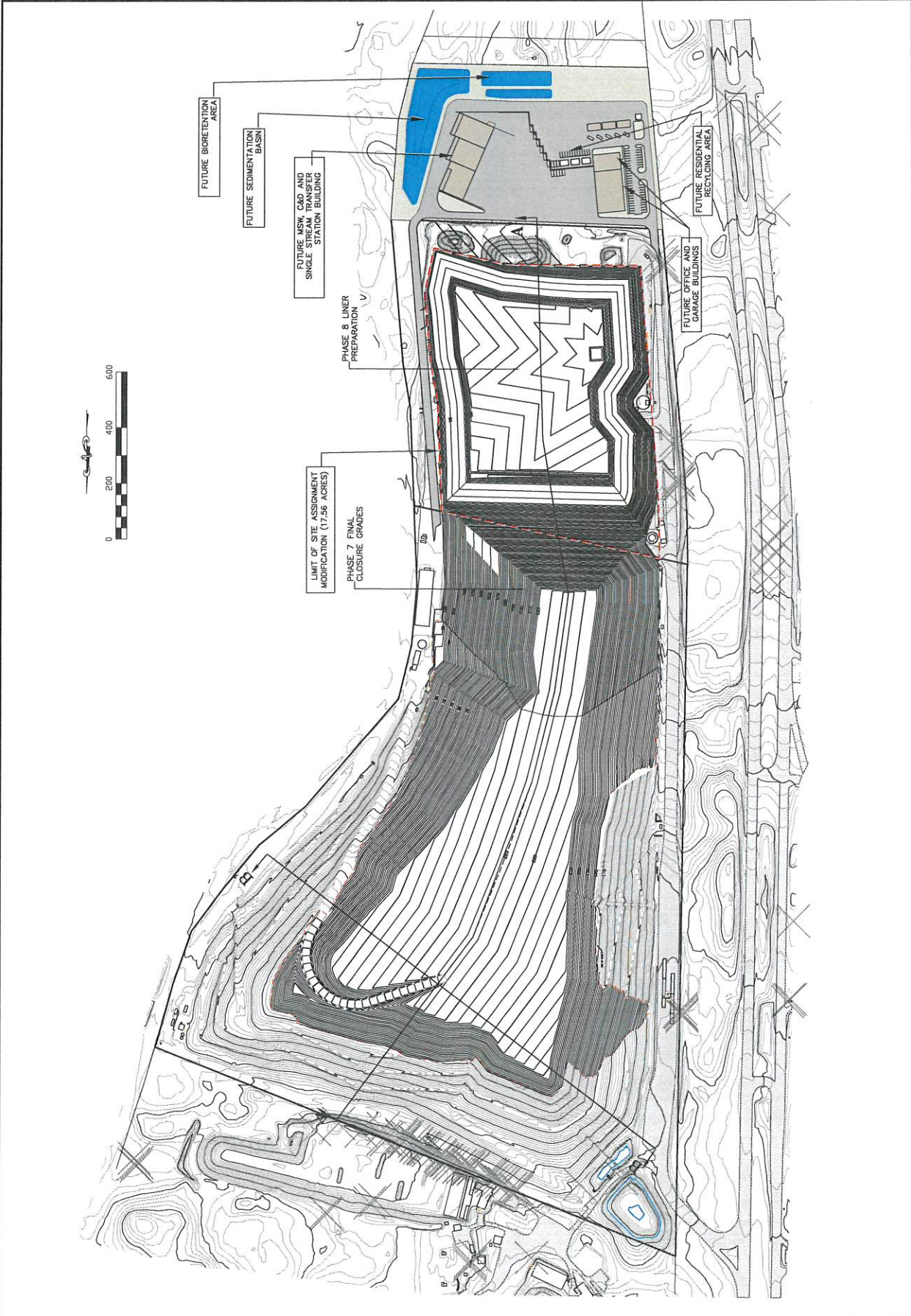
Project: AS SHOWN
 No. DTM: Revision Description
 Date: FEB. 26, 2023
 Address: ARO
 Drawing Number: ARO

No.	Date	Revision Description
1	04/20/2021	ADD SITE ASSIGNMENT MOD LIMITS & PE STAMP



		BOURNE LANDFILL SITE ASSIGNMENT MODIFICATION BOURNE DEPARTMENT OF INTEGRATED SOLID WASTE MANAGEMENT FIGURE 6 INTERMEDIATE CONSTRUCTION PHASE PLAN	
Project No.	AS SHOWN	Project Name	BOURNE LANDFILL
Drawn By	AS SHOWN	Client	BOURNE DEPARTMENT OF INTEGRATED SOLID WASTE MANAGEMENT
Checked By	AS SHOWN	Project No.	AS SHOWN
Date	FEB. 26, 2021	Project Name	BOURNE LANDFILL
Revision Description		Client	BOURNE DEPARTMENT OF INTEGRATED SOLID WASTE MANAGEMENT
1	04/20/2021	Project No.	AS SHOWN
		Project Name	BOURNE LANDFILL
		Client	BOURNE DEPARTMENT OF INTEGRATED SOLID WASTE MANAGEMENT
		Project No.	AS SHOWN
		Project Name	BOURNE LANDFILL
		Client	BOURNE DEPARTMENT OF INTEGRATED SOLID WASTE MANAGEMENT

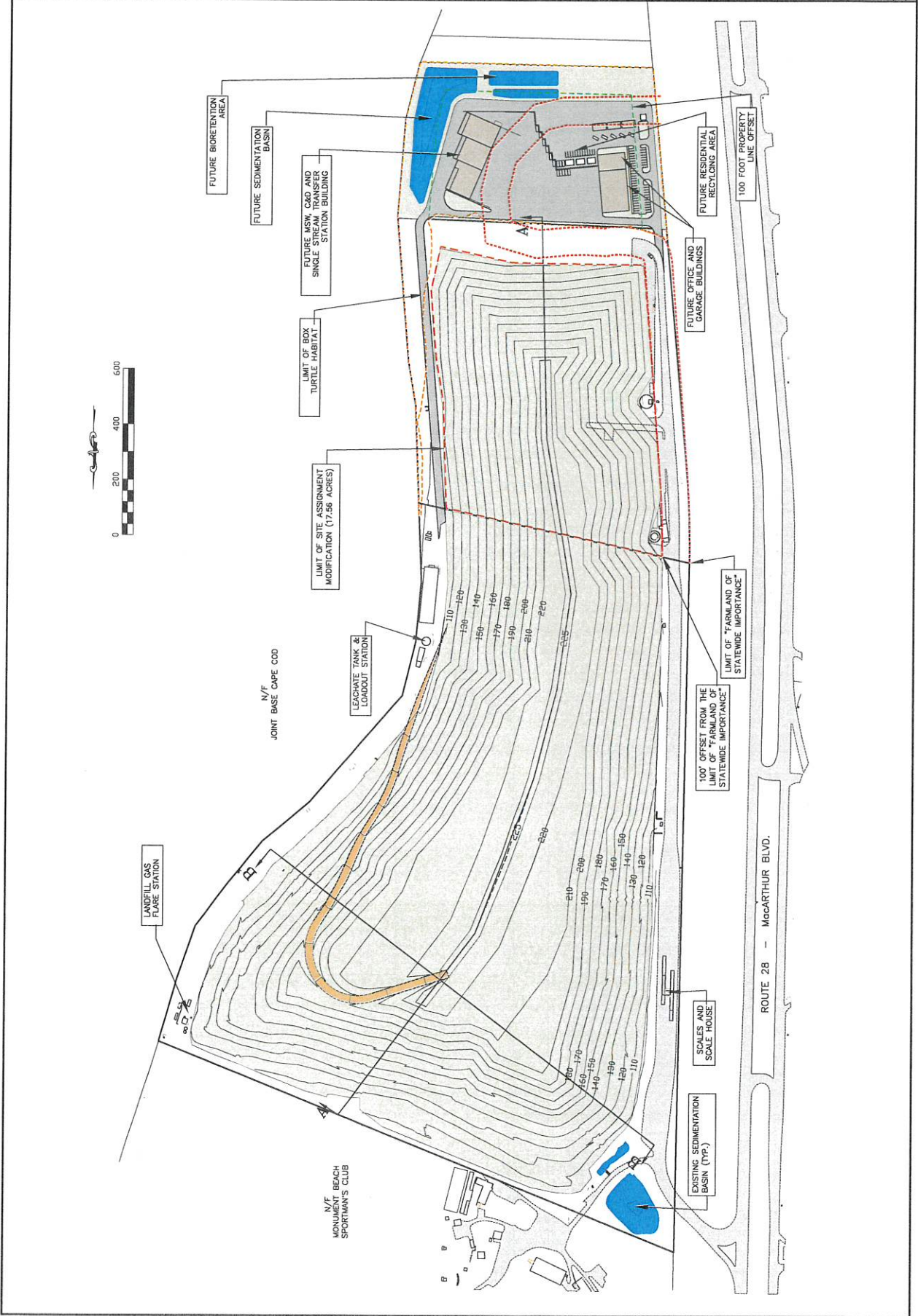
SITTEC
 ENVIRONMENTAL
 Civil and Environmental Engineering
 200 Main Street, Suite C
 Bourne, MA 02532
 Phone: (508) 834-1100
 Fax: (508) 834-1100
 License No. 0000000000
 License No. 0000000000





Project	BOURNE LANDFILL SITE ASSIGNMENT MODIFICATION
Client	BOURNE DEPARTMENT OF INTEGRATED SOLID WASTE MANAGEMENT
Address	BOURNE DEPARTMENT OF INTEGRATED SOLID WASTE MANAGEMENT
Drawn	AND
Checked	AND
Project number	
Revision	1 04/20/2021 MOD SITE ASSIGNMENT MOD LIMITS & PE STAIRS
Scale	
Sheet	
Drawn	
Checked	
Project	

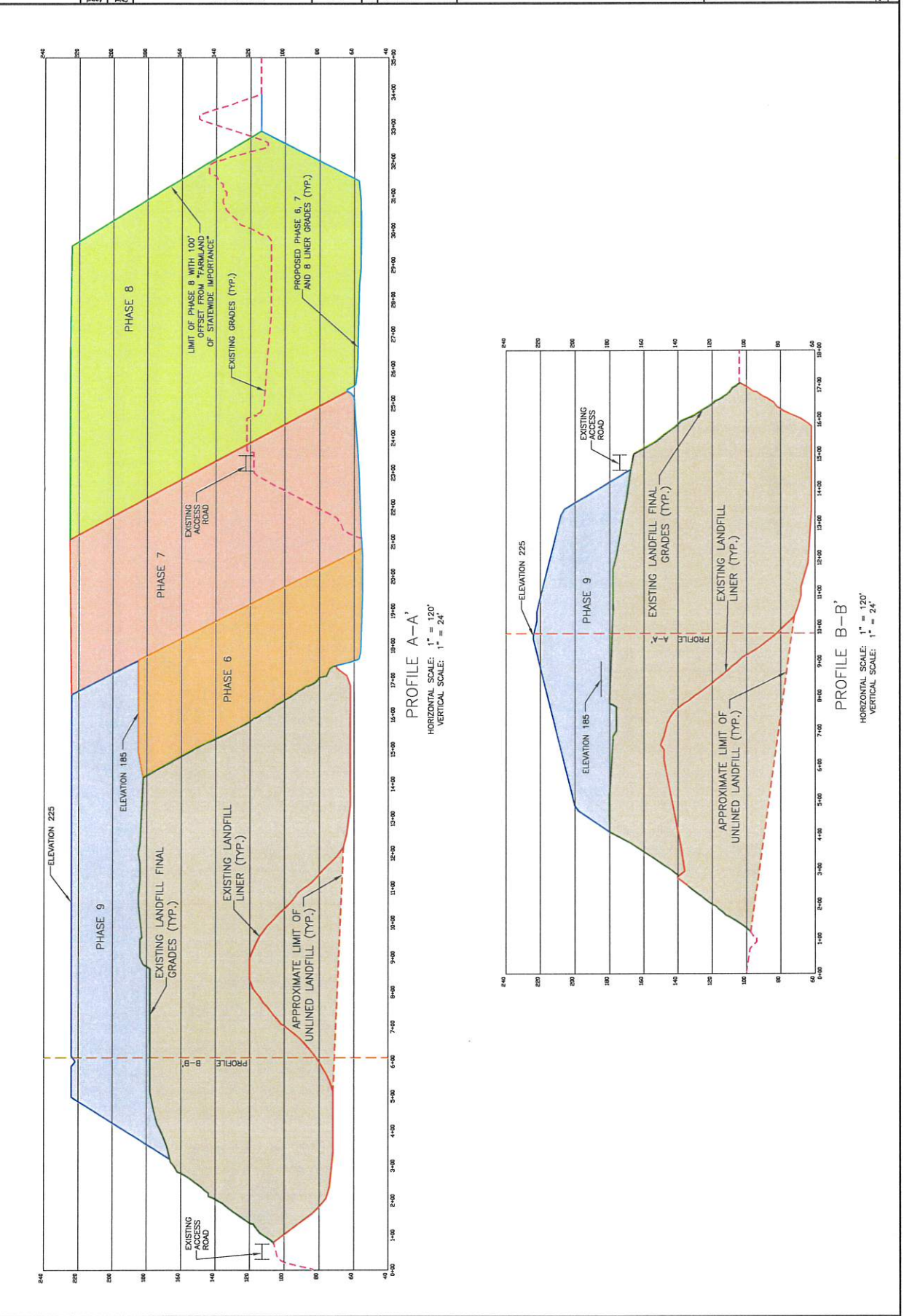
SITTEC
ENVIRONMENTAL
Civil and Environmental Engineering
1000 State Street
Boston, MA 02116
Tel: (617) 552-1100
Fax: (617) 552-1101
www.sittec.com

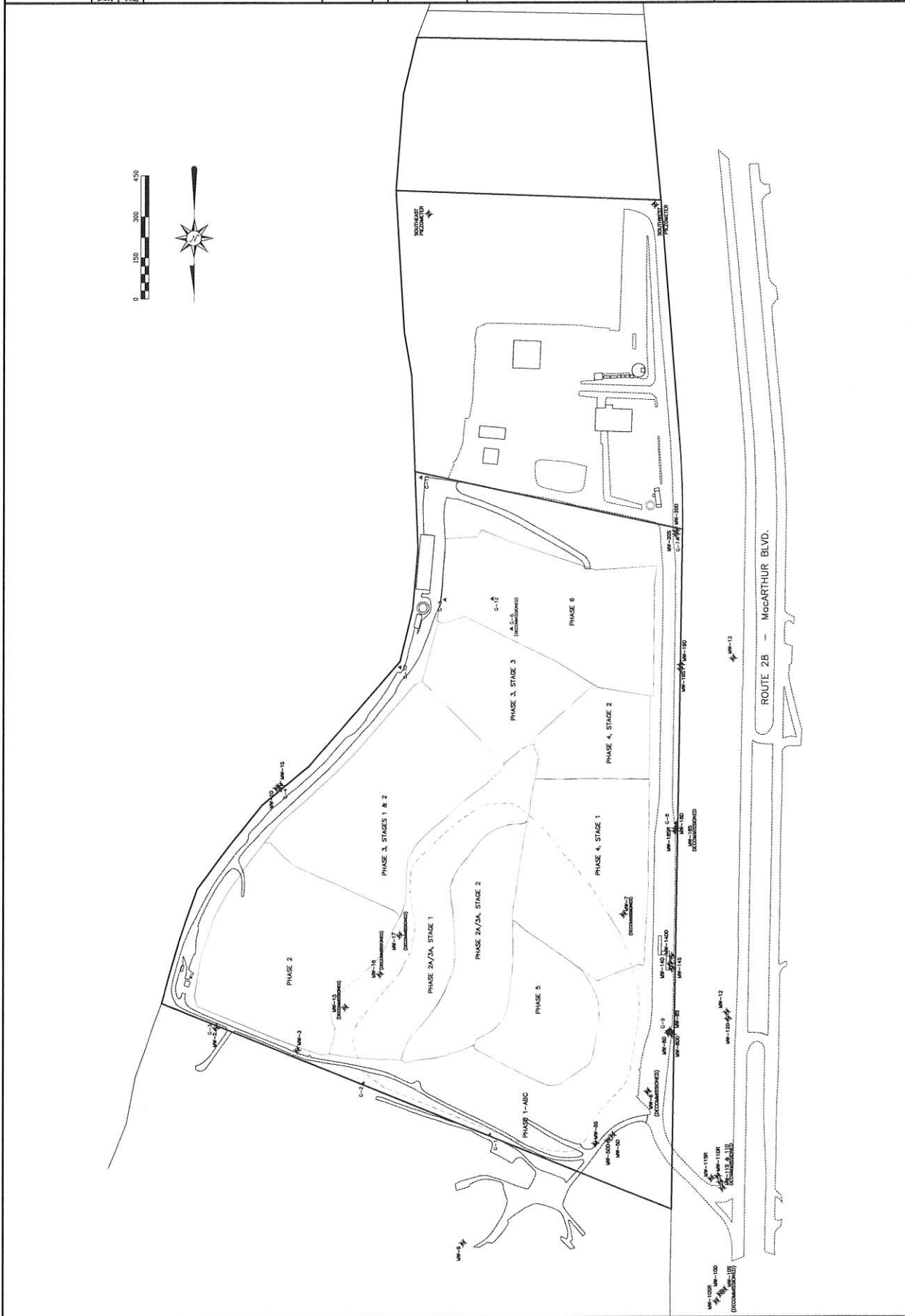




Project	BOURNE LANDFILL
Client	BOURNE DEPARTMENT OF INTEGRATED SOLID WASTE MANAGEMENT
Design Title	FIGURE 8 SITE BUILDOUT PROFILES
Revision	NO. DATE
1	04/20/2021 ADD RE STAMP

SITTEC ENVIRONMENTAL
 8820 Massachusetts Ave.
 125 Park Street, 2nd Fl.
 Lowell, MA 01850
 (978) 251-1200
 Fax: (978) 251-1793
 Civil and Environmental Engineering
 State License No. 1000000000
 Licensed Professional Engineer







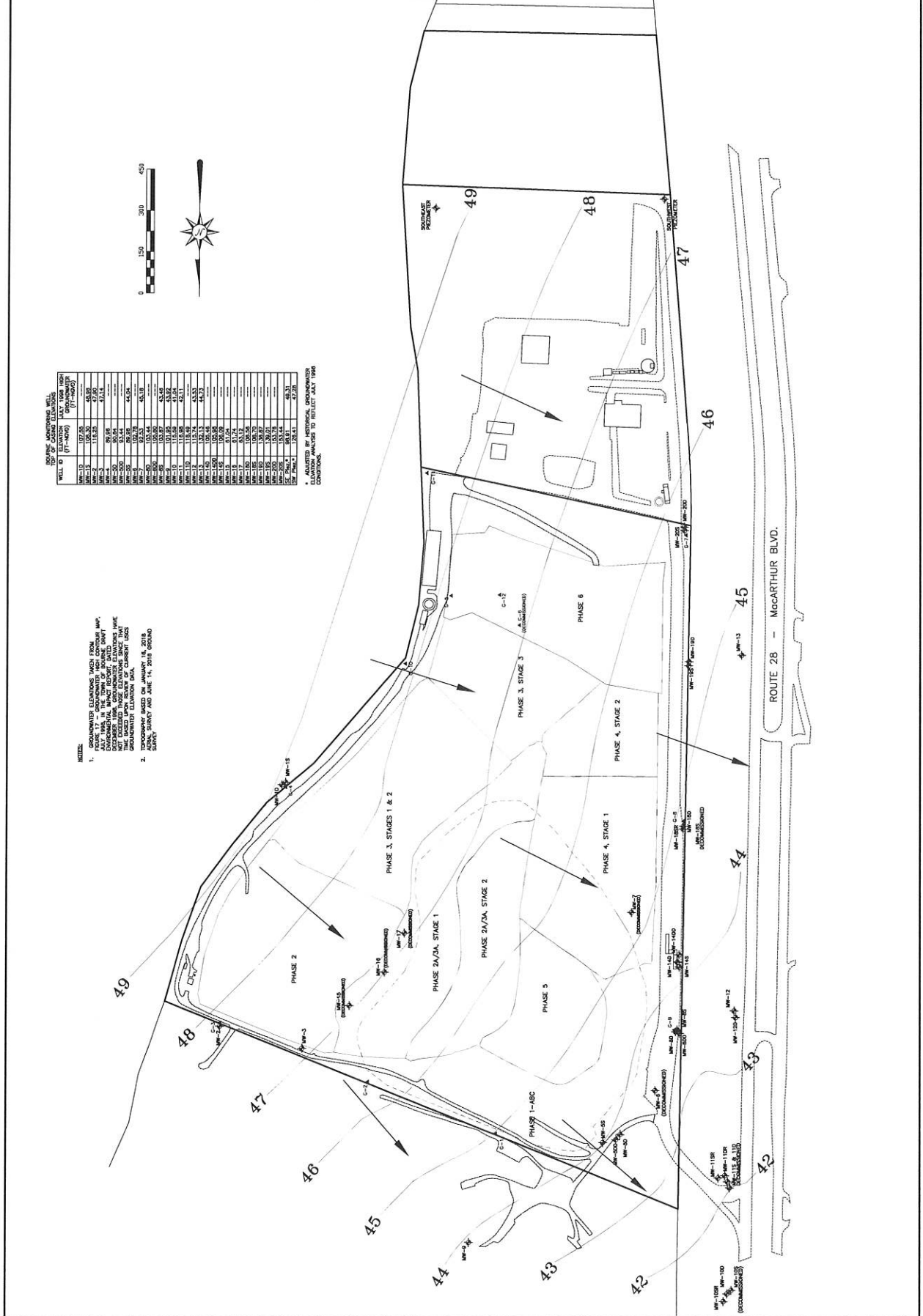
Project	BOURNE LANDFILL
Client	BOURNE DEPARTMENT OF INTEGRATED SOLID WASTE MANAGEMENT
Figure Title	FIGURE 10 GROUNDWATER CONTOUR PLAN
Scale	AS SHOWN
Date	FEB. 26, 2021
Drawn by	ARD
Checked by	ARD
Approved by	ARD
Revision Description	
No.	Date
1	04/20/2021
	ADD PE STAMP

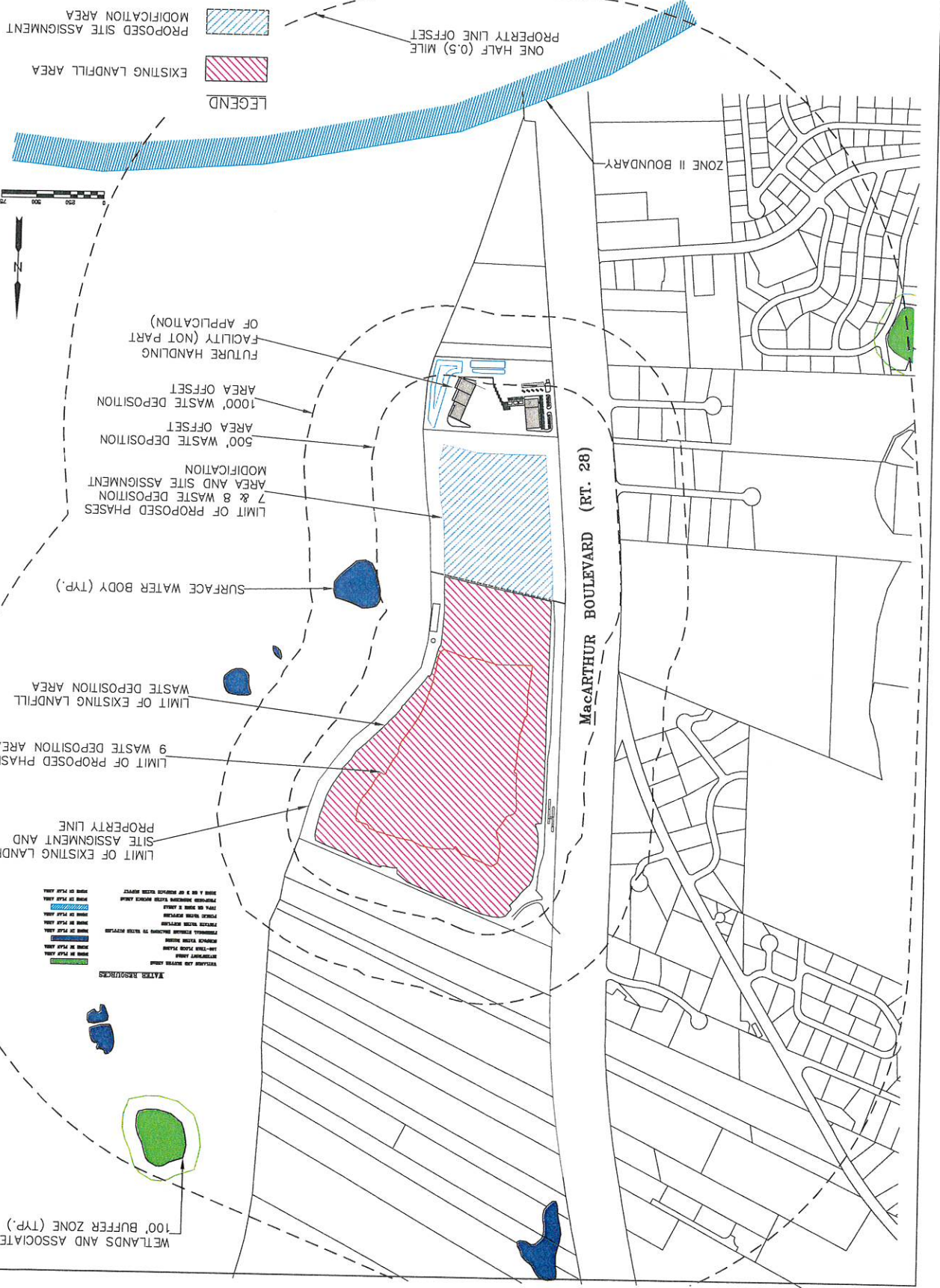
SITEC ENVIRONMENTAL
 Civil and Environmental Engineering
 788 First Street, Unit C
 Norwell, MA 02061
 Phone: (781) 534-1800
 Fax: (781) 534-1810
 Licensed Professional Engineers
 License No. 8014-E
 License No. 8014-C
 License No. 8014-S

WELL ID	ELEVATION (FT-MSL)	DATE
MP-10	127.05	01/14/2018
MP-11	127.05	01/14/2018
MP-12	118.25	02/05
MP-13	118.25	02/05
MP-14	118.25	02/05
MP-15	118.25	02/05
MP-16	118.25	02/05
MP-17	118.25	02/05
MP-18	118.25	02/05
MP-19	118.25	02/05
MP-20	118.25	02/05
MP-21	118.25	02/05
MP-22	118.25	02/05
MP-23	118.25	02/05
MP-24	118.25	02/05
MP-25	118.25	02/05
MP-26	118.25	02/05
MP-27	118.25	02/05
MP-28	118.25	02/05
MP-29	118.25	02/05
MP-30	118.25	02/05
MP-31	118.25	02/05
MP-32	118.25	02/05
MP-33	118.25	02/05
MP-34	118.25	02/05
MP-35	118.25	02/05
MP-36	118.25	02/05
MP-37	118.25	02/05
MP-38	118.25	02/05
MP-39	118.25	02/05
MP-40	118.25	02/05
MP-41	118.25	02/05
MP-42	118.25	02/05
MP-43	118.25	02/05
MP-44	118.25	02/05
MP-45	118.25	02/05
MP-46	118.25	02/05
MP-47	118.25	02/05
MP-48	118.25	02/05
MP-49	118.25	02/05
MP-50	118.25	02/05
MP-51	118.25	02/05
MP-52	118.25	02/05
MP-53	118.25	02/05
MP-54	118.25	02/05
MP-55	118.25	02/05
MP-56	118.25	02/05
MP-57	118.25	02/05
MP-58	118.25	02/05
MP-59	118.25	02/05
MP-60	118.25	02/05

* ADJUSTED BY PERSONAL GROUNDWATER CONDITIONS ANALYSE TO REFLECT JULY 1998 CONDITIONS

- NOTE:
- GROUNDWATER ELEVATIONS TAKEN FROM JULY 1998 TO JANUARY 2018. ALL WELLS IN THE AREA OF BOURNE LANDFILL ARE MONITORED BY THE BOURNE DEPARTMENT OF INTEGRATED SOLID WASTE MANAGEMENT. GROUNDWATER ELEVATIONS HAVE BEEN ADJUSTED TO REFLECT JULY 1998 CONDITIONS. THIS MAP IS BASED ON CURRENT 1:5000 SCALE SURVEY AND JUNE 14, 2018 GROUND SURVEY.





WETLANDS AND ASSOCIATED 100' BUFFER ZONE (TYP.)
 SURFACE WATER BODY (TYP.)
 LIMIT OF EXISTING LANDFILL AND SITE ASSIGNMENT MODIFICATION
 PROPERTY LINE
 LIMIT OF PROPOSED PHASE 9 WASTE DEPOSITION AREA
 LIMIT OF EXISTING LANDFILL WASTE DEPOSITION AREA
 SURFACE WATER BODY (TYP.)
 LIMIT OF PROPOSED PHASES 7 & 8 WASTE DEPOSITION AREA AND SITE ASSIGNMENT MODIFICATION
 500' WASTE DEPOSITION AREA OFFSET
 1000' WASTE DEPOSITION AREA OFFSET
 FUTURE HANDLING FACILITY (NOT PART OF APPLICATION)



DATE	DESCRIPTION	BY	CHKD BY
04/21/2021	ADD ADJUSTED FARMLAND LINE FROM SITE SPECIFIC SOIL SURVEY		
04/21/2021	ADD SITE ASSIGNMENT MOD LIMITS, NEW OFFSETS & PERMITS		

PROJECT: AS SHOWN
 DATE: FEB. 28, 2021
 DRAWN BY: [blank]
 CHECKED BY: [blank]
 APPROVED BY: [blank]

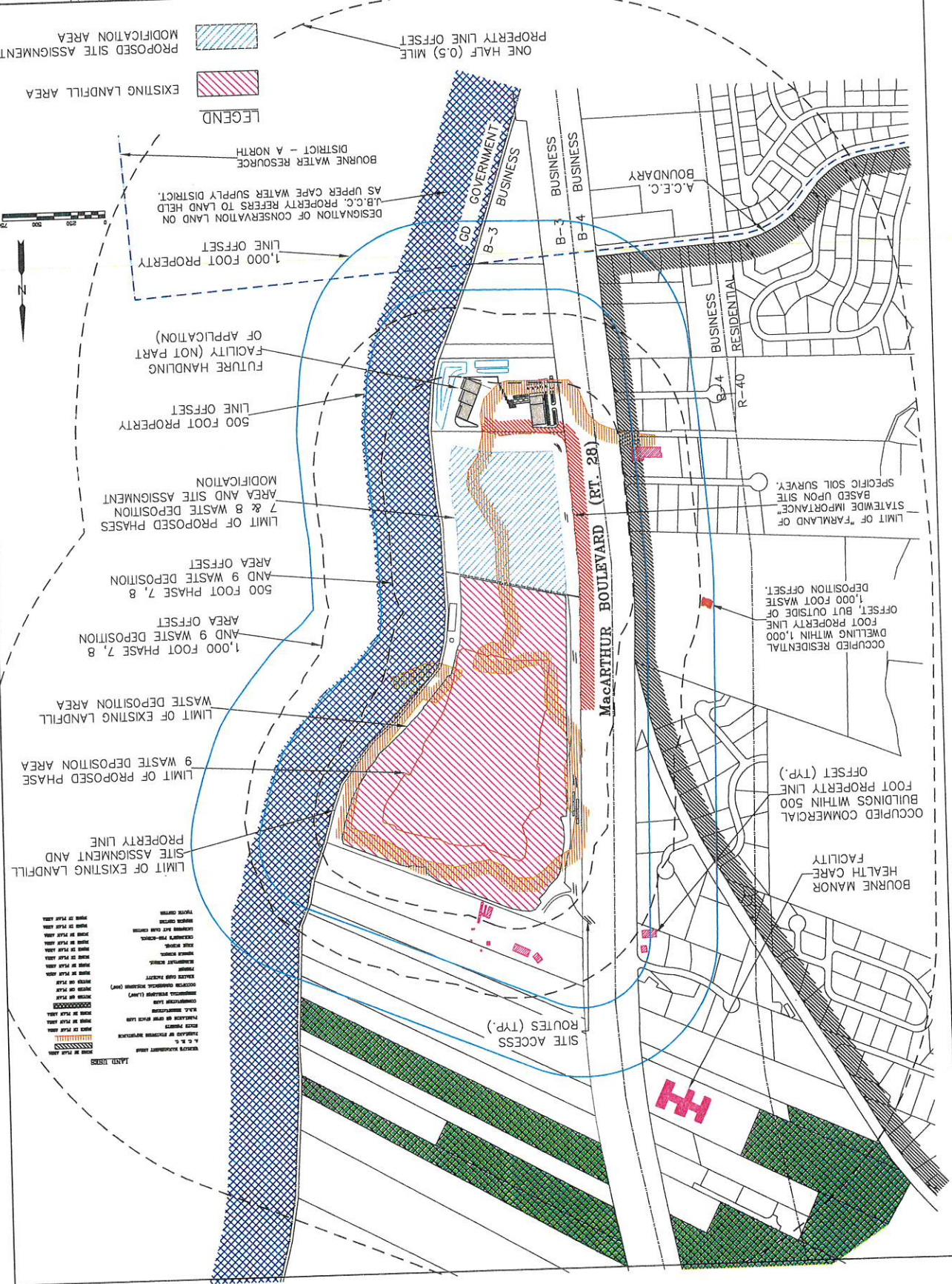
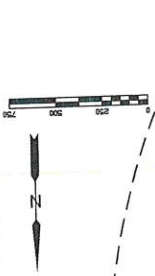
BOURNE LANDFILL
 SITE ASSIGNMENT MODIFICATION
 BOURNE DEPARTMENT OF
 INTEGRATED SOLID WASTE MANAGEMENT
 FIGURE 13
 LAND USE PLAN

Drawn No. SCD-456-12

LEGEND

EXISTING LANDFILL AREA (diagonal hatching)

PROPOSED SITE ASSIGNMENT MODIFICATION AREA (cross-hatching)



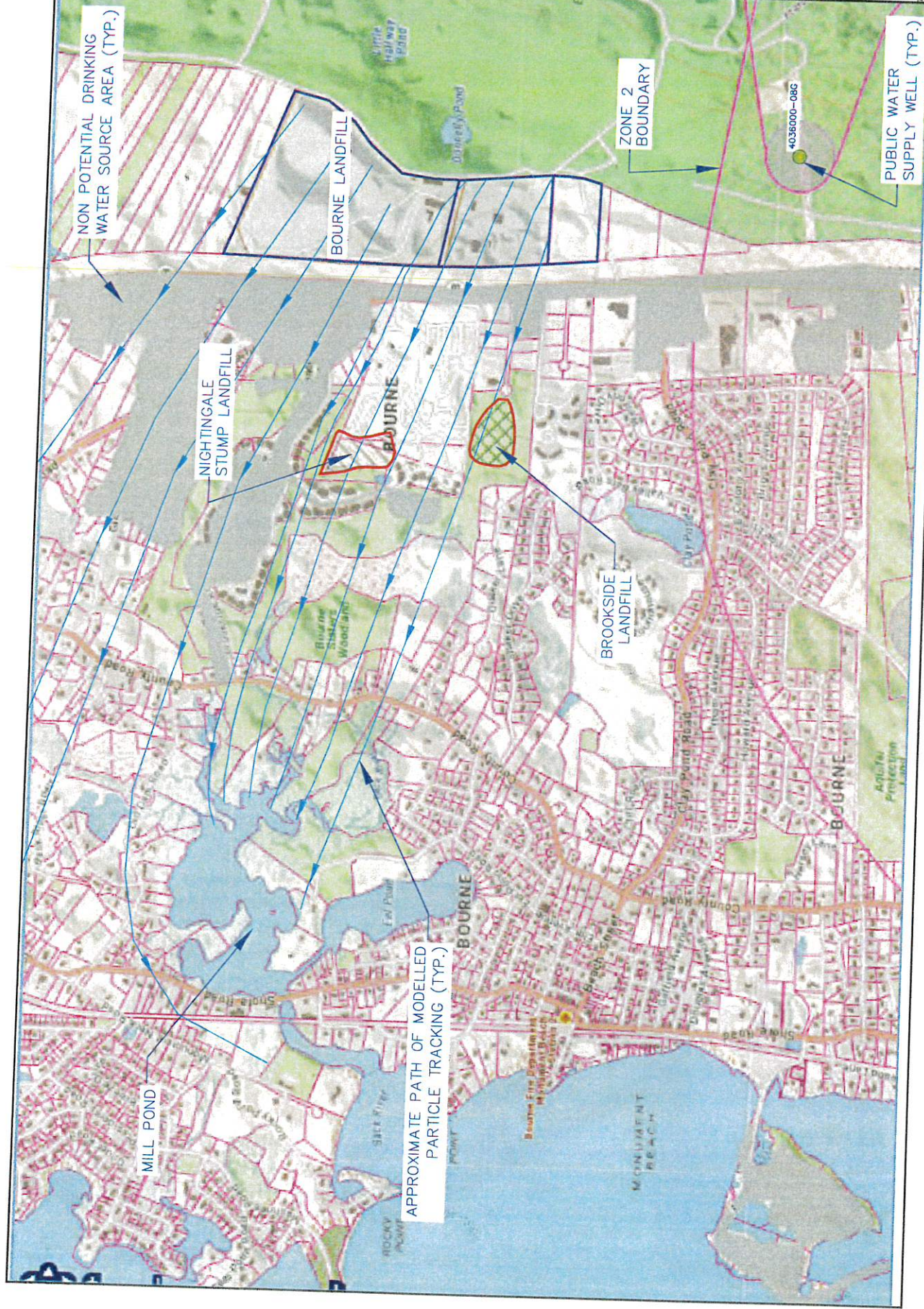
PLANT LEGEND

- SHRUBS
- GRASSES
- TREES
- ...

SITEC
 ENVIRONMENTAL
 CONSULTANTS
 1000 Massachusetts Ave.
 Suite 200
 Boston, MA 02118
 Phone: (617) 552-1100
 Fax: (617) 552-1170
 www.sitesc.com

BOURNE DEPARTMENT OF ENVIRONMENTAL HEALTH
 INTEGRATED SOLID WASTE MANAGEMENT
 FIGURE 14
 MASS DEP WATER RESOURCES MAP

Project	NO SCALE	Date	Revision Description
1	04/20/2021	ADD PE STAMP	



NON POTENTIAL DRINKING WATER SOURCE AREA (TYP.)

BOURNE LANDFILL

ZONE 2 BOUNDARY

PUBLIC WATER SUPPLY WELL (TYP.)

NIGHTINGALE STUMP LANDFILL

BOURNE

BROOKSIDE LANDFILL

MILL POND

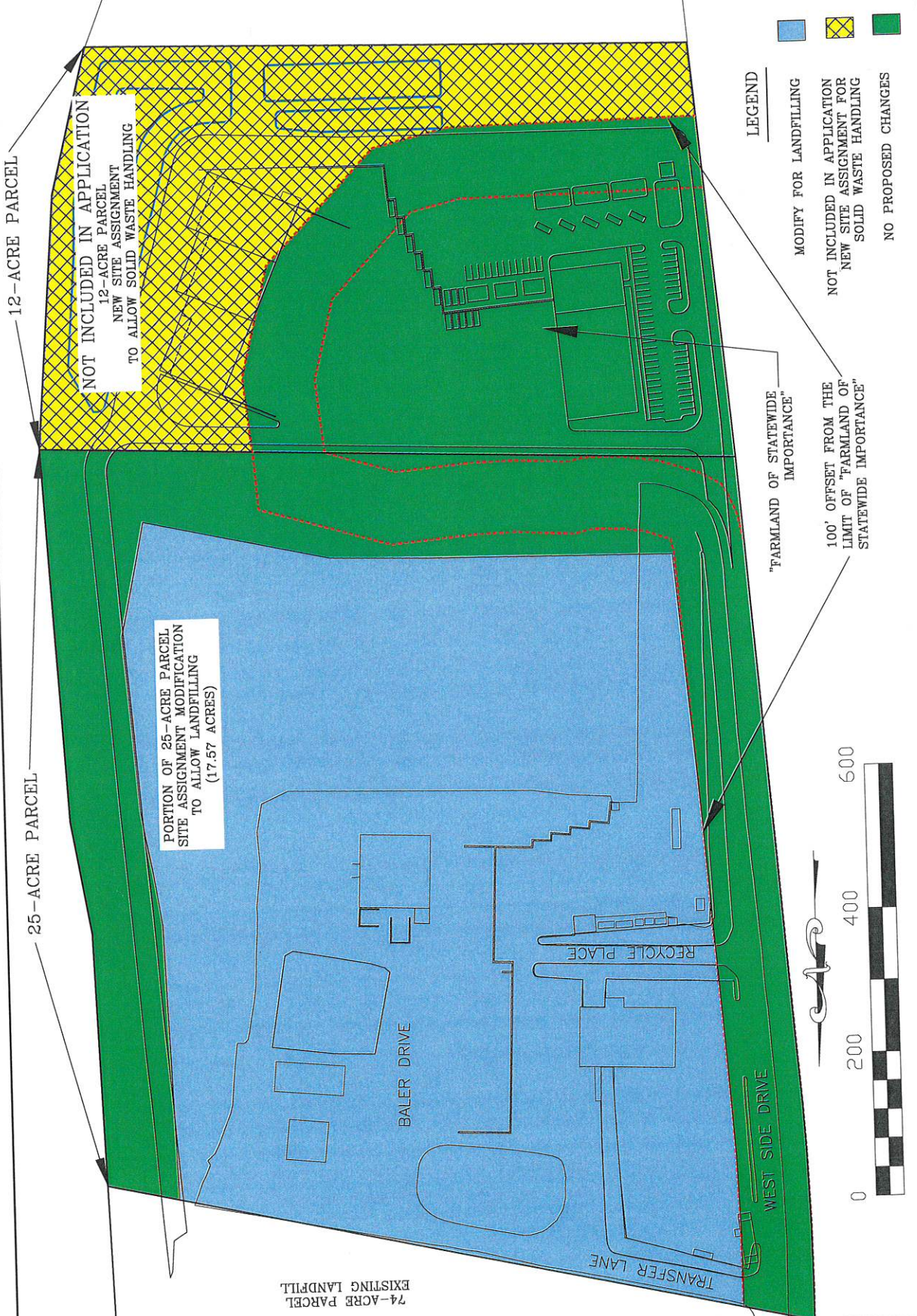
APPROXIMATE PATH OF MODELLED PARTICLE TRACKING (TYP.)



No.	Date	Revision Description
1	04/20/2021	CLASSIFYING LABEL

BOURNE LANDFILL
 SITE ASSIGNMENT MODIFICATION
 BOURNE DEPARTMENT OF
 INTEGRATED SOLID WASTE MANAGEMENT
 FIGURE 15
 PROPOSED SITE ASSIGNMENT MODIFICATIONS

SITEC
 ENVIRONMENTAL
 100 Main Street, 3rd Fl.
 Bourne, MA 02606
 Phone: (508) 874-0100
 Fax: (508) 874-1733
 State of Massachusetts
 License No. 1200-0000-0000-0000

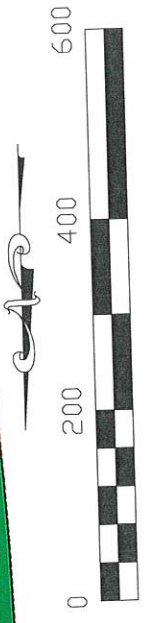


12-ACRE PARCEL
 NOT INCLUDED IN APPLICATION
 12-ACRE PARCEL
 NEW SITE ASSIGNMENT
 TO ALLOW SOLID WASTE HANDLING

25-ACRE PARCEL
 PORTION OF 25-ACRE PARCEL
 SITE ASSIGNMENT MODIFICATION
 TO ALLOW LANDFILLING
 (17.57 ACRES)

- LEGEND**
- EXISTING LANDFILL
 - MODIFY FOR LANDFILLING
 - NOT INCLUDED IN APPLICATION
NEW SITE ASSIGNMENT FOR
SOLID WASTE HANDLING
 - NO PROPOSED CHANGES

"FARMLAND OF STATEWIDE
 IMPORTANCE"
 100' OFFSET FROM THE
 LIMIT OF "FARMLAND OF
 STATEWIDE IMPORTANCE"



74-ACRE PARCEL
EXISTING LANDFILL



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Southeast Regional Office • 20 Riverside Drive, Lakeville MA 02347 • 508-946-2700

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Kathleen A. Theoharides
Secretary

Martin Suuberg
Commissioner

April 20, 2021

Daniel T. Barrett
Town of Bourne
Department of Integrated Solid Waste Management
24 Perry Avenue
Buzzards Bay, Massachusetts 02532

RE: **DETERMINATION OF ADMINISTRATIVE INCOMPLETENESS**
Application for: BWP SW38
Modification of an Existing Site Assignment for Landfill Expansion
Application No. 21-SW38-0001-APP

AT: Town of Bourne Integrated Solid Waste Management Facility
201 MacArthur Boulevard
Bourne, Massachusetts 02532
Facility # 39101
Regulated Object # 172356

Dear Mr. Barrett:

The Massachusetts Department of Environmental Protection, Solid Waste Management Section ("MassDEP"), has completed its Administrative Review of the permit application ("Application") listed above and determined that the application is administratively incomplete.

The Application was submitted on behalf of Town of Bourne Department of Integrated Solid Waste Management (the "Applicant") by SITEC Environmental, Inc. of Marshfield, Massachusetts, and received by MassDEP on March 29, 2021. MassDEP is reviewing the Application under the provisions of 310 CMR 16.00, Site Assignment Regulations for Solid Waste Facilities. MassDEP has assigned Report Number 036-001-C to this permit application.

There are two areas under consideration for site assignment modifications. The first area under consideration is a 25-acre parcel that is currently site-assigned for solid waste handling and modifications would allow a portion of the parcel to be used for a horizontal landfill expansion. The proposed horizontal landfill expansion, designated as Phase 7 and Phase 8, consists of approximately 21.2 acres of new landfill cells. The second area under consideration for site

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.
TTY# MassRelay Service 1-800-439-2370
MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

assignment modifications is a 74-acre parcel that is currently site-assigned as a landfill. Proposed modifications consist of a vertical landfill expansion, designated as Phase 9, over the existing landfill areas. Phase 9 would increase the maximum height of the landfill from elevation 185-ft MSL to elevation 220-ft MSL. The proposed modifications include Phase 7, Phase 8, and Phase 9. Phase 7 and Phase 8 will be developed on the 25-acre parcel and the Phase 9 vertical expansion will be built on the 74-acres existing landfill parcel.

The permit application consists of the document entitled:

**BWP SW 38 – Application for Site Suitability
For a Major Modification of an Existing Site Assignment
Bourne Integrated Solid Waste
Management Facility
Bourne, Massachusetts
March 29, 2021**

The Application was submitted electronically via the Massachusetts Executive Office of Energy and Environmental Affairs ePlace Portal at <https://permitting.state.ma.us/CitizenAccess/> on March 29, 2021.

The Application may be reviewed online at: <https://eeaonline.eea.state.ma.us/EEA/PublicApp/>. Scroll down on the first screen and in the “Site Name/Location Name” box type “Bourn Landfill” and then click on the orange “Search” box the bottom of the page. Under “Record Type”, select the “Application” file with the 3/29/2021 “Application Date”. The Permit Application and supporting documents will appear in blue links. Click on one link at a time to access each separate document.

Based on its Administrative Review, MassDEP has determined that the following information must be submitted to complete the required elements of the Application:

1. The site contains agricultural lands classified by the USDA as farmland of statewide importance. In accordance with 310 CMR 16.40(4)(a) Agricultural Lands, there must be a 100 foot buffer between the agricultural lands and the proposed limit of site assignment. The Land Use Plan and the Water Resources Plan submitted within the Application depict the proposed limit of site assignment containing a small section of agricultural lands and areas within the 100 foot buffer. However, Figure 15 submitted within the Application depicts a 100 foot buffer between the proposed limit of site assignment and the agricultural lands. The Applicant should revise the site plans to clearly indicate the proposed limit of site assignment. The Applicant may need to modify the proposed limit of site assignment on the Land Use Plan and Water Resources Plan pursuant to 310 CMR 16.40(4)(a). MassDEP recommends the Applicant revise all proposed condition site plans (e.g. Figure 5, Figure 6, etc.) to include the proposed limit of site assignment and proposed waste handling areas.
2. Page 1 of Supplemental Application Information, Section 1.1 Site Descriptions states that the overall facility also includes a 12-acre parcel that abuts the 25-acre

parcel for total facility acreage of approximately acres and that the 12-acre parcel is not subject of this application but rather it will be considered in a separate filing later. MassDEP requires all Figures to clearly mark, and/or indicate that the 12-acre site is intended for future build-out. The 12-acre site shall not be included or utilized as the boundary for the required offset or setback limit. The 12-acre site may be shown in the Figures; however, it should be clearly indicated that the site is not part of the application.

Should there be any questions, please contact MassDEP at the letterhead address or telephone me at (508) 946-2847 or Alison Cochrane at (508) 946-2778 or Elza Bystrom at (508) 946-2856. Any correspondence regarding this matter should reference DEP FILE # 036-001-C.

Very truly yours,

 SETH PICKERING

FOR Mark Dakers, Chief
Solid Waste Management Section

cc: Massachusetts Department of Public Health
Bureau of Environmental Health Services
250 Washington Street, 7th Floor
Boston, MA 02108
Email: steven.hughes@mass.gov
Email: bharathi.patimalla-dipali@mass.gov

cc: Town of Bourne Board of Health
samaral@townofbourne.com

SITEC Environmental, Inc., Raymond Quinn, P.E., rquinn@sitecenv.com

DEP-Boston
ATTN: G. Cooper
J. Fischer
DEP-SERO
ATTN: S. Pickering
L. Ramos
M. Dakers



Massachusetts Department of Environmental Protection
One Winter Street, Boston MA 02108 • Phone: 617-292-5751
Communication for Non-English Speaking Parties - 310 CMR 1.03(5)(a)



1 English:

This document is important and should be translated immediately. If you need this document translated, please contact MassDEP's Diversity Director at the telephone numbers listed below.



2 Español (Spanish):

Este documento es importante y debe ser traducido inmediatamente. Si necesita este documento traducido, comuníquese con el Director de Diversidad de MassDEP a los números de teléfono que aparecen más abajo.



3 Português (Portuguese):

Este documento é importante e deve ser traduzido imediatamente. Se você precisa deste documento traduzido, entre em contato com Diretor de Diversidade da MassDEP para os números de telefone listados abaixo.



4(a) 中國 (傳統) (Chinese (Traditional)):

本文件非常重要，應立即翻譯。如果您需要翻譯這份文件，請用下面列出的電話號碼與 MassDEP 的多元化總監聯繫。



4(b) 中国 (简体中文) (Chinese (Simplified)):

本文件非常重要，應立即翻譯。如果您需要翻譯這份文件，請用下面列出的電話號碼與 MassDEP 的多元化總監聯繫。



5 Ayisyen (franse kreyòl) (Haitian) (French Creole):

Dokiman sa-a se yon bagay enpòtan epi yo ta dwe tradui imedyatman. Si ou bezwen dokiman sa a tradui, tanpri kontakte Divèsite Direktè MassDEP a nan nimewo telefòn ki nan lis pi ba a.



6 Việt (Vietnamese):

Tài liệu này rất quan trọng và cần được dịch ngay lập tức. Nếu bạn cần dịch tài liệu này, xin vui lòng liên hệ với Giám đốc Đa dạng của MassDEP theo các số điện thoại được liệt kê dưới đây.



7 ប្រទេសកម្ពុជា (Kmer (Cambodian)):

ឯកសារនេះគឺមានសារៈសំខាន់ណាស់សម្រាប់ការងាររបស់យើង។ ប្រសិនបើអ្នកត្រូវបានបកប្រែឯកសារនេះសូមទំនាក់ទំនងជាមួយ MassDEP នៅលេខទូរស័ព្ទដែលបានរាយនាមក្រោម។



8 Kriolu Kabuverdianu (Cape Verdean):

Es documento é importante e deve ser traduzido imidiatamente. Se bo precisa des documento traduzido, por favor contacta Director de Diversidade na MassDEP's pa es numero indicode li d'boche.



9 Русский язык (Russian):

Это важный документ и он должен быть безотлагательно переведен. Если вам нужен перевод данного документа, пожалуйста, свяжитесь с директором по разнообразию компании MassDEP по телефону указанному ниже

Contact Michelle Waters-Ekanem, Diversity Director/Civil Rights: 617-292-5751 TTY# MassRelay Service 1-800-438-2370. <http://www.mass.gov/eea/agencies/massdep/service/justice/>
(Version 12.19.19)