	Ma Bu Ma	Issachusetts Department of Environmental Pro reau of Resource Protection - Wetlands IPA Form 1- Request for Determination assachusetts Wetlands Protection Act M.G.L. c. 13	-/32020 ⁷⁷ otection on of Applicab 31, §40	Malbornigh Hyrrown
	Α.	General Information		
Important: When filling out forms on the computer, use only the tab key to move your	1.	Applicant: AMANDA MORSE Name 215 Cullin Ane Dr.	E-Mail Address	se everizon. net
cursor - do not use the return key.		1/21/00012h City/town 508-479-7724 (cell)		O T D Zip Code
130		Phone Number	Fax Number (if ap	plicable)
relian X	2.	Representative (if any):		
		Contact Name	E-Mail Address	
		Mailing Address		
		City/Town	State	Zip Code
		Phone Number	Fax Number (if ap	plicable)
	B	Determinations		<u></u>
	D. 1	L request the make the follow	ing determination(s)	Check any that apply:
	1.	Conservation Commission		
		a. whether the area depicted on plan(s) and/or map(s) jurisdiction of the Wetlands Protection Act.	referenced below is a	an area subject to
		b. whether the boundaries of resource area(s) depicted below are accurately delineated.	ed on plan(s) and/or n	nap(s) referenced
		c. whether the work depicted on plan(s) referenced bel	ow is subject to the W	etlands Protection Act.
		d. whether the area and/or work depicted on plan(s) re of any municipal wetlands ordinance or bylaw of:	ferenced below is sub	pject to the jurisdiction
		Name of Municipality		. — талы

e. whether the following **scope of alternatives** is adequate for work in the Riverfront Area as depicted on referenced plan(s).

	Ma Bu Ma	Lec. 6-15 assachusetts Department of Environmental Protection areau of Resource Protection - Wetlands APA Form 1- Request for Determination assachusetts Wetlands Protection Act M.G.L. c. 131,	-2 <i>₀2₀ ⁷⁷</i> stion of Applicabil §40	Nalborych ity
	Α.	General Information		
Important: When filling out forms on the computer, use only the tab key to move your cursor - do not	1.	Applicant: <u>Amphiba</u> Morse <u>Name</u> <u>A15</u> Cullin Ane Da. <u>Mailing Address</u>	<u>ATM.MORS</u> E-Mail Address	e everizon.net
use the return key.		City/town Q (20) 2001	State	Zip Code
Iab		<u>508-47477724</u> (Cell) Phone Number	Fax Number (if applic	able)
return	2.	Representative (if any):		
		Firm		
		Contact Name	E-Mail Address	
		Mailing Address		· · · · · · · · · · · · · · · · · · ·
		City/Town	State	Zip Code
		Phone Number	Fax Number (if applic	cable)
	B.	Determinations		<u></u>
	1.	I request the make the following o	determination(s). Ch	eck any that apply:
		a. whether the area depicted on plan(s) and/or map(s) refe jurisdiction of the Wetlands Protection Act.	erenced below is an	area subject to
		b. whether the boundaries of resource area(s) depicted or below are accurately delineated.	n plan(s) and/or maj	o(s) referenced
		c. whether the work depicted on plan(s) referenced below is	s subject to the Wetl	ands Protection Act.
		d. whether the area and/or work depicted on plan(s) refere of any municipal wetlands ordinance or bylaw of:	nced below is subje	ct to the jurisdiction
		Name of Municipality		instruction of the second s
		e. whether the following scope of alternatives is adequate depicted on referenced plan(s).	e for work in the Riv	erfront Area as
				· · · · · · · · · · · · · · · · · · ·







Lec. 7-8-2020

Fax Number (if applicable)



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

City/Town

WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Important:

A. General Information

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When filling out
forms on the
computer, use
only the tab key
to move your
cursor - do not
use the return
kev

Applicant:		
Brent Coullard	bcoullard@g	gmail.com
Name	E-Mail Address	6
489 Stevens St		
Mailing Address		
Marlborough	MA	01752
City/Town	State	Zip Code
978-808-2171		
Phone Number	Fax Number (i	f applicable)
Representative (if any):		
Firm		
Contact Name	E-Mail Address	S
Mailing Address		
City/Town	State	Zip Code

B. Determinations

Phone Number

- 1. I request the <u>City of Marlborough</u> make the following determination(s). Check any that apply: Conservation Commission
 - a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
 - b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
 - c. whether the work depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
 - d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance** or **bylaw** of:

Name of Municipality

e. whether the following **scope of alternatives** is adequate for work in the Riverfront Area as depicted on referenced plan(s).



Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands

City/Town

WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

C. Project Description

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

489 Stevens St	Marlborough
Street Address	City/Town
31-105	
Assessors Map/Plat Number	Parcel/Lot Number

b. Area Description (use additional paper, if necessary):

Replacing existing driveway that runs from Stevens St up the right side of the property forming a pad area in front of the garage. The new driveway will be the same area as the current driveway. This project will also add an approx 12' x 20' permiable crushed stone area at end of the driveway, replacing some existing lawn and our firewood storage area next to an existing garden shed. This new crushed stone section will be for parking our small camper off of the driveway.

c. Plan and/or Map Reference(s):

Title	Date
Title	Date
Title	Date

2. a. Work Description (use additional paper and/or provide plan(s) of work, if necessary):

Contractor will excavate all old existing asphalt and all unsuitable materials. Inspect existing foundation removing large stones. Contractor will then install new Tbase binder foundation approximately 6 to 12 inches compacting in 3 to 4 in stages (compacting in stages ensure proper compaction rate) using a vibratory machine roller.

Fine grade base with machine to correct pitch & levels. Repave Driveway with 3 1/2 inches of high-grade Driveway top machine roll to a smooth and compact finish. All exposed edges to be compacted to a 45° angle for extra support & aesthetics.

Seal end of driveway with liquid tac coat emulsion black sand.

Contractor will extend section at rear of driveway approximately 12' x 20' with permiable Tbase binder (Recycled asphalt) or crushed stone to be able to park a small camper.



WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

C. Project Description (cont.)

b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

- 3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.
 - Single family house on a lot recorded on or before 8/1/96
 - Single family house on a lot recorded after 8/1/96
 - Expansion of an existing structure on a lot recorded after 8/1/96
 - Project, other than a single family house or public project, where the applicant owned the lot before 8/7/96
 - New agriculture or aquaculture project
 - Public project where funds were appropriated prior to 8/7/96
 - Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
 - Residential subdivision; institutional, industrial, or commercial project
 - Municipal project
 - District, county, state, or federal government project
 - Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

City/Town

WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

Brent Coullard	
Name	
489 Stevens St	
Mailing Address	
Marlborough	
City/Town	
МА	01752
State	Zip Code

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

Signature of Applicant

Signature of Representative (if any)

Date

Date

6/27/2020



David W. Burke Wetlands Resource Specialist 16 Coburn Rd Berlin MA 01503

July 10, 2020 The Jillson Company Attn Kevin O'Leary, PE 32 Freemont St Needham Heights MA 02494

Reference: <u>#309 & #315 Stevens St, Marlborough Wetlands Delineation.</u>

Dear Mr. O'Leary:

At your request, I visited the above referenced properties several times in snow-free <u>November</u> <u>2019</u> to assess the property as it relates to the <u>MA Wetlands Protection Act, and or The Rivers</u> <u>Protection Act</u> and its pursuant <u>Regulations 310 CMR 10:00</u>. I viewed the subject properties in accordance with the aforementioned Regulations and flagged the Resource Area boundaries in accordance with the **DEP Handbook on Delineating Bordering Vegetated Wetlands**.

#315 Stevens St. is a vacant, wooded, building lot containing 64,000 sq ft (1.5 acres). The property is located immediately east of Marlborough Middle School on the east side of Stevens St.

Approximately 33% of the property is Buffer Zone to "Wetland". A Bordering Vegetated Wetlands complex located on the adjacent, vacant, wooded lot (#309 Steven St.) bordering on Mowry Brook; we flagged the north side of this wetlands complex. The wetlands are red maple, alder, blueberry and sweet-pepperbush scrub-shrub type.

Wetland Resource Areas present consist of: <u>Bordering Vegetated Wetlands</u>, possible Land <u>Under Water Body and Inland Bank</u>. According to FEMA on-line mapping (National Flood Hazard Layer) the site contains flood Zone X ("Area of Minimal Flood Hazard").

In this case since the BVW clearly supersedes the Bank I did not flag MAHWL or Inland Bank as we are led to presume per USGS mapping the Mowry brook in that section is intermittent. Wetlands as shown on attached survey plan are <u>roughly</u> consistent with <u>GIS</u> <u>mapping and Maps-online etc</u>.

I did delineate the northern boundary of the BVW from west to east using blue surveyors' tape #0-#32.

I did test for and encounter hydric soils along the southern edge of the Bordering Vegetated Wetlands (BVW).

At Flag #3 soils can be described as follows: Upland 0-10" 10YR 3/3 A Horizon or topsoil overlaying a B Layer with a matrix of 10YR 4/5 indicating non hydric conditions.

On the wetlands (South) side of the line just slightly downgradient we observed a 2-12" thick A Layer of blackish topsoil interfacing with a B Layer with a 2.5Y 4/2Matrix, olive brown in coloration; the matrix contained 10YR2/2 Mottling and oxidized rhizospheres. This distinction in soils is characteristically similar along the wetland boundary line given the relatively flat conditions on the site.

In late February with snow free conditions we did conduct a site walk and examined all flagging, soils and evidence of hydrology in detail. Among others Priscilla Ryder, Marlborough Conservation Agent and a representative of your offices were in attendance

This report is supporting an RDA requested by your offices and is meant for submission to the **Marlborough Conservation Commission** and/or the **MA DEP**.

I trust this is sufficient for your current needs at this property. Please contact me if I can be of further assistance.

Sincerely, *Dave Burke* David W. Burke Wetlands Resource Specialist

2.

	J Nee kole	32 F 32 F dham F Tel (7 eary@j	Fremont S Fremont S Heights, M 781) 400-5 illsoncomp	Inc. t. A 02494 946 bany.com			LET	TER OF	TRANSMITT
тс): _	Priscill	a Ryder			DATE:	6/30/20	JOB #:	2945
	_	Marlbo Comm	orough Coi iission	nservation		RE:	RDA #315 Ste	vens Street	
	_	140 M	ain Street						
	_	Marlbo	orough, MA	A 01752					
CC	C: _	Mass I	DEP w/enc	. (via e-ma	ail)				
	_	Charle	s Compan	y, LLC. (via	a e-mail)				
WE ARE SEN	DING YOU	J		Attached	Under s	eparate cover via _			the following items:
		Shop Di	rawings 🗆	Prints	Plans	Sample	es	□ Specifications	
		Copy of	Letter	Change order	·				
NO.	DA	ГΕ	REV.	COPIES			DESCRIPTIO	N	
1.	6/30	/20		8	WPA Form 1 (4 pgs, signed).				
2.	2. 6/30/20 8 "Marlboroug			igh Quad (1983)" (8.5"x11", US	GGS).			
3.	6/29	/20		8	"309 Stevens Street RFD Wetlands Plot Plan" (11"x17").				
4.	6/29	/20		8	"Stevens Street Wetlands" (8.5"x11", Marlborough GIS).				

THESE ARE TRANSMITTED as checked below:

6/8/20

6/25/20

For approval

5.

Approved as noted

8

- x For your useAs requested
- □ Returned for corrections

□ Approved as submitted

stamped).

Submit_____copies for distribution
 Return_____corrected prints

"#315 Stevens Street Site Development Plan" (24"x36", signed &

REMARKS: If you have any comments or questions, please contact me. Also please confirm the hearing for this filing will be July 23rd. Thank you.

Resubmit

SIGNED: Kevin O'Leary, PE

_copies for approval

ΊΑ

If enclosures are not as noted, kindly notify us at once.

32 Fremont Street, Needham, Mass. 02494



Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands

Marlborough City/Town

cbbuild@gmail.com

WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

A. General Information

The Charles Company, LLC.

1. Applicant:

Im	poi	rtai	nt:

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.

	Name	E-Mail Address	
	131 Black Bear Drive, Suite 1912		
	Mailing Address		
	Waltham	MA	02451
	City/Town	State	Zip Code
	(781)-760-7727		
	Phone Number	Fax Number (if applic	able)
2.	Representative (if any):		
	The Jillson Company, Inc.		
	Firm		
	Kevin O'Leary, PE	koleary@jillsonco	mpany.com
	Contact Name	E-Mail Address	

32 Fremont Street		
Mailing Address		
Needham Heights	MA	02494
City/Town	State	Zip Code
(781)-400-5946		
Phone Number	Fax Number (if	applicable)

B. Determinations

- 1. I request the Marlborough make the following determination(s). Check any that apply: Conservation Commission
 - a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
 - b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
 - C. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
 - ☑ d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any municipal wetlands ordinance or bylaw of:

Marlborough	
Name of Municipality	

e. whether the following scope of alternatives is adequate for work in the Riverfront Area as depicted on referenced plan(s).

N/A



Marlborough City/Town

WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

C. Project Description

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

315 Stevens Street	Marlborough	
Street Address	City/Town	
44	148	
Assessors Map/Plat Number	Parcel/Lot Number	

b. Area Description (use additional paper, if necessary):

Wooded vacant building lot (1.47 acres or 64,017 SF). Approximately 0.4 acres or 17,170 SF will be developed for new house construction. A Bordering Vegetated Wetland (BVW) is contained on an adjacent, vacant building lot known as #309 Stevens St. The BVW's 100' Buffer Zone extends onto portions of #315 Stevens St.

c. Plan and/or Map Reference(s):

"315 Stevens Street Site Development Plan" (Last Revised 6/25/20)	6/8/20
Title	Date
Title	Data
The	Dale
Title	Date

2. a. Work Description (use additional paper and/or provide plan(s) of work, if necessary):

All Site development work to accommodate new house construction is beyond the 100' Buffer Zone to the above described BVW. All site work will be contained & encircled with Erosion Control Barriers & a stormwater system will collect & dispose of post-development runoff water into a subsurface recharge basin. All disturbed & newly graded areas will be loamed & seeded. See the enclosed site plan listed above for additional information.



Marlborough City/Town

WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

C. Project Description (cont.)

b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

No construction site work is proposed within a jurisdictional area. No impact to any Wetland Resource Area or Buffer Zone will occur.

- a. If this application is a Request for Determination of Scope of Alternatives for work in the 3. Riverfront Area, indicate the one classification below that best describes the project.
 - Single family house on a lot recorded on or before 8/1/96
 - Single family house on a lot recorded after 8/1/96
 - Expansion of an existing structure on a lot recorded after 8/1/96
 - Project, other than a single family house or public project, where the applicant owned the lot before 8/7/96
 - New agriculture or aquaculture project
 - Public project where funds were appropriated prior to 8/7/96
 - Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
 - Residential subdivision; institutional, industrial, or commercial project
 - Municipal project
 - District, county, state, or federal government project
 - Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)



Marlborough City/Town

WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

Rebecca L. Chaousis/Amy Aldr	ch-Goebel	
283 Bolton Street/P.O. Box 150		
Mailing Address		
Marlborough/Same		
City/Town		
MA/Same	01752/	Same
State	Zip Code	
Signatures:	this Request will be placed in a local ne	wspaper at my expense
in accordance with Section 10.05(3)	(b)(1) of the Wetlands Protection Act reg	ulations.
Signature of Applicant	Date	30/20
Signature of Representative (if/any)		30/20

Marlborough Quad (1983)

7.5 X 15 MINU







Data shown on this map is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this map.



Bu	/PA Form 3 – Notice of	Intent	MassDEP File Number
Ma	assachusetts Wetlands Protection Ad	ct M.G.L. c. 131, §40	Document Transaction Number
			City/Town
A.	General Information		
4	Project Location (Note) electronic filere wil	I allak on button to loosta pro	iant aita):
1.	TracEPH BISA 220		
	a. Street Address	b. City/Town	C. Zip Code
	Latitude and Longitude:	·····	, -
	Latitude and Longitude.	d. Latitude	e. Longitude
	f. Assessors Map/Plat Number	g. Parcel /Lot Number	
2	Applicant:	-	
£.,	The Risant	Bier	
	a. First Name	b. Last Name	74~~
			11111111111111111111111111111111111111
	c. Urganization		
	d. Street Address		
	MARLBORD	f Ciata	- 75 0 de
	508-341-7596 -	T. State	g. Zip Code
	h. Phone Number i. Fax Number	j. Email Address	<u> </u>
3.	Property owner (required if different from a	applicant): 🛛 🗍 Check if n	nore than one owner
	same as applicant		
	a. First Name	b. Last Name	
	c. Organization		
	d. Street Address		
	e. City/Town	f, State	g. Zip Code
		2 Page - 91	· · · · · · · · · · · · · · · · · · ·
		j. Email address	
4.	Representative (if any):	C ·	1
	A First Name	h Last Name	<u>e</u>
	RJP Construction & E	Engincering	
	c. Company		
	d. Street Address	NY 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Northpow n	Ma	01532
	e. City/Town	f. State	g. Zip Code
	h. Phone Number i. Fax Number	i. Email address	evenzon, rei
5	Total WPA Fee Paid (from NOI Wetland Fe	ee Transmittal Form):	
0.	#110.00	A42.50	\$1,750

V	VPA Form 3 – Notice of Inter	it			
M	assachusetts Wetlands Protection Act M.G.L	c. 131, §40	Document Transaction Numbe		
			City/Town		
Α	A. General Information (continued)				
6.	General Project Description:				
	ADDING FILL TO THE B	ACKYARD IN	THE		
	BUFFER ZONE OF THE	BUW			
78	a. Project Type Checklist: (Limited Project Types see Section A. 7b.)				
	1. 🔲 Single Family Home	2. 🗌 Residentia	I Subdivision		
	3. Commercial/Industrial	4. 🗌 Dock/Pier			
	5. 🔲 Utilities	6. 🔲 Coastal en	gineering Structure		
	7. 🔲 Agriculture (e.g., cranberries, forestry)	8. 🔲 Transporta	ition		
	9. PY Other REGRADING EXISTING P	FLLED AREA	7		
	1. Yes Yes Yes If yes, describe which limited 10.24 and 10.53 for a com 2. Limited Project Type If the proposed activity is eligible to be treated as a CMR10.24(8), 310 CMR 10.53(4)), complete and a Employed Contification	n Ecological Restora	this project. (See 310 CMR tion of limited project types) tion Limited Project (310 cological Restoration Limite		
	Project Checklist and Signed Certification.				
8	Property recorded at the Registry of Deeds for:				
	a. County	b. Certificate # (if regist	ered land)		
	64,281	199	·		
	c, Book	d. Page Number	- 0		
C	. Buffer Zone & Resource Area imp	acts (temporary	y & permanent)		
1	Vegetated Wetland, Inland Bank, or Coastal Re	ed only in the Buffer asource Area.	∠one of a Bordering		
2	Inland Resource Areas (see 310 CMR 10.54-1 Coastal Resource Areas).	0.58; if not applicable	e, go to Section B.3,		
2.	Check all that apply below. Attach narrative and an project will meet all performance standards for eac	y supporting docume n of the resource are	entation describing how the eas altered, including		

4



Massachusetts Department of Environmental Protection Provided by MassDEP: Bureau of Resource Protection - Wetlands MassDEP File Number.

WPA Form 3 – Notice of Intent Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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	1월 22 전	신문은 일			17
Docur	nent Tr	ansa	ction	Numher	

City/Town

B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

	Resour	<u>ce Area</u>	Size of Proposed Alteration	Proposed Replacement (if any)
For all projects	a.	Bank	1. linear feet	2. linear feet
affecting other Resource Areas, please attach a	b. 🗌	Bordering Vegetated	1. square feet	2. square feet
narrative explaining how	c. 🗌	Land Under Waterbodies and	1. square feet	2. square feet
area was delineated.		Waterways	3. cubic yards dredged	
	Resour	rce Area	Size of Proposed Alteration	Proposed Replacement (if any)
	d. 🗌	Bordering Land Subject to Flooding	1. square feet	2. square feet
	— 1		3. cubic feet of flood storage lost	4. cubic feet replaced
	e. 🔛	Subject to Flooding	1. square feet	
			2. cubic feet of flood storage lost	3. cubic feet replaced
	f. 🗌	Riverfront Area	1. Name of Waterway (if available) - spec	ify coastal or inland
	2.	Width of Riverfront Area ((check one):	
		25 ft Designated Designated Designated	ensely Developed Areas only	
		100 ft New agricultu	ural projects only	
		200 ft All other proje	ects	
	3.	Total area of Riverfront Are	a on the site of the proposed projec	t: square feet
	4.	Proposed alteration of the F	Riverfront Area:	
	a.t	total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.
	5.	Has an alternatives analysi	s been done and is it attached to th	s NOI? □ Yes □ No
	6. 1	Was the lot where the activi	ity is proposed created prior to Aug	ust 1, 1996? 🔲 Yes 🗌 No
3.	🗌 Coa	astal Resource Areas: (See	310 CMR 10.25-10.35)	\sim
	Note:	for coastal riverfront areas,	please complete Section B.2.f. ab	ove.





Massachusetts Department of Environmental Protection Provided by MassDEP: Bureau of Resource Protection - Wetlands

MassDEP File Number

City/Town

Document Transaction Number

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

WPA Form 3 – Notice of Intent

C. Other Applicable Standards and Requirements

This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the Massachusetts Natural Heritage Atlas or go to

http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

a. 🗌 Yes 🗹 No	If yes, include proof of mailing or hand delivery of NOI to:
h Date of man	Natural Heritage and Endangered Species Program Division of Fisheries and Wildlife 1 Rabbit Hill Road Westborough, MA 01581

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To quality for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c and include requested materials with this Notice of Intent (NOI); OR complete Section C.2.f, it applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 on this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

c. Submit Supplemental Information for Endangered Species Review*

(a) within wetland Resource Area

(b) outside Resource Area

ercentage	/acreage

percentage/acreage

- 2. Assessor's Map or right-of-way plan of site
- 2. Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **
 - (a) Project description (including description of impacts outside of wetland resource area & buffer zone)
 - (b) Photographs representative of the site

^{*} Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

^{**} MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.

						4
	Massad	chuse	etts Department of Environmen	tal Protection	Provided by MassDEP:	
E	Bureau	of Re	esource Protection - Wetlands		MassDEP File Number	
	WPA Massac	huse	Orm 3 – Notice of Inte tts Wetlands Protection Act M.G.I	nt L. c. 131, §40	Document Transaction Nur	nber
				-	City/Town	
Ō	C. Oth	ner A	pplicable Standards and R	Requirements	(cont'd)	
		c) [] http://w Make c bove	MESA filing fee (fee information availa www.mass.gov/dfwele/dfw/nhesp/regulat http://www.mass.gov/dfwele/dfw/nhesp/regulat http://www.mass.gov/dfwele/dfw/nhesp/regulat http://www.mass.gov/dfwele/dfw/nhesp/regulat http://www.mass.gov/dfwele/dfw/nhesp/regulat http://www.mass.gov/dfwele/dfw/nhesp/regulat http://www.mass.gov/dfwele/dfw/nhesp/regulat http://www.mass.gov/dfwele/dfw/nhesp/regulat http://www.mass.gov/dfwele/dfw/nhesp/regulat	ble at <u>ory_review/mesa/m</u> ssachusetts - NHES	<u>esa_fee_schedule.htm</u>). P" and <i>mail to NHESP</i> at	
	P	Projects	altering 10 or more acres of land, also sub	omit:		
	(0	d) 🗌	Vegetation cover type map of site			
	(6	e) 🗌	Project plans showing Priority & Estimate	ated Habitat bounda	ries	
	(1	f) OF	Check One of the Following			
	1	ſ.]	Project is exempt from MESA review. Attach applicant letter indicating which <u>http://www.mass.gov/dfwele/dfw/nhesp</u> the NOI must still be sent to NHESP if 310 CMR 10.37 and 10.59.)	MESA exemption a <u>p/regulatory_review/</u> the project is within	pplies. (See 321 CMR 10. mesa/mesa_exemptions.h estimated habitat pursuan	14, <u>tm:</u> t to
	2	2. 🔲	Separate MESA review angoing.	a. NHESP Tracking #	b. Date submitted to NH	IESP
	3	3.	Separate MESA review completed. Include copy of NHESP "no Take" dete Permit with approved plan.	ermination or valid C	onservation & Manageme	nt
3	3. For c line c	oastal or in a	projects only, is any portion of the prop fish run?	osed project locatec	below the mean high wat	er
	a. 🗌	Not a	pplicable – project is in inland resource	area only b. 🗌	Yes 🗌 No	
	If yes	s, inclu	de proof of mailing, hand delivery, or ele	eotronic delivery of N	IOI to either:	
	South the Ca	n Shore ape & I	- Cohasset to Rhode Island border, and slands:	North Shore - Hull te	o New Hampshire border:	
	Divisio South Attn: I 836 S New E Emai	on of M neast W Enviror South R Bedford II: <u>DMF</u>	larine Fisheries - larine Fisheries Station Imental Reviewer odney French Blvd. J. MA 02744 F.EnvReview-South@state.ma.us	Division of Marine F North Shore Office Attn: Environmental 30 Emerson Avenue Gloucester, MA 010 Email: <u>DMF.EnvF</u>	isheries - Reviewer 30 Review-North@state.ma.u	<u>5</u>
						A Plana

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.



- USGS or other map of the area (along with a narrative description, if necessary) containing 1. 🔲 sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
- 2. Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.

number

with all



Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands

NOI Wetland Fee Transmittal Form Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

B. Fees (continued)		
Step 1/Type of Activity	Step 2/Number Step of Activities 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Citegory 1	1 \$1,10,-	=======================================
····		
	Step 5/Total Project Fe	e: # / 10, **
	Step 6/Fee Payments	:
	Total Project Fee:	a. Total Fee from Step 5
	State share of filing Fee:	42.50 b. 1/2 Total Fee less \$12.50
	City/Town share of filling Fee:	6 7.50 c. 1/2 Total Fee plus \$12.50

C. Submittal Requirements

a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

> Department of Environmental Protection Box 4062 Boston, MA 02211

b.) To the Conservation Commission: Send the Notice of Intent or Abbreviated Notice of Intent; a copy of this form; and the city/town fee payment.

To MassDEP Regional Office (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a copy of this form; and a copy of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40 City/Town D. Additional Information (cont'd) 3. □ Identify the method for BVW and other resource area boundary delineations (MassDEP BVV Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.) and attach documentation of the methodology. Visur Observation of Uegetation 4. □ List the titles and dates for all plans and other materials submitted with this NOI. Site Plan of Proposed Grading a. Plan Title RSF Construction & Encipierite B. Prepared By 1/9/20 d. Final Revision Date c. Signed and Stamped by f. Additional Plan or Document Title g. Date 5. □ If there is more than one property owner, please attach a list of these property owners not listed on this form. 6. □ Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed. 7. □ Attach NOI Wetland Fee Transmittal Form	WPA Form 3 – Notice of Intent	Document Transaction Number
 D. Additional Information (cont'd) 3. □ Identify the method for BVW and other resource area boundary delineations (MassDEP BVV Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.) and attach documentation of the methodology. Visual observation of Uegetation 4. □ List the titles and dates for all plans and other materials submitted with this NOI. Site Plan of Proposed Grading a. Plan Title RSP Construction = ENGINEERick b. Prepared By 1/2/20 c. Signed and Stamped by j=40 e. Scale f. Additional Plan or Document Title g. Date f. Additional Plan or Document Title g. Date f. Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed. g. Attach NOI Wetland Fee Transmittal Form 	Massachusetts Wetlands Protection Act M.G.L. c. 131, §40	Citv/Town
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 4. List the titles and dates for all plans and other materials submitted with this NOI. Site Plan of Proposed Grading a. Plan Title RSP Construction & ENGINEERINE b. Prepared By 7/9/20 d. Final Revision Date c. Signed and Stamped by f. Additional Plan or Document Title g. Date 5. If there is more than one property owner, please attach a list of these property owners not listed on this form. 6. Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed. 7. Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed. 8. Attach NOI Wetland Fee Transmittal Form 	 Identify the method for BVW and other resource area boundar Field Data Form(s), Determination of Applicability, Order of Re and attach documentation of the methodology. Visual 	y delineations (MassDEP BVW source Area Delineation, etc.) observation of Uegetation
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 7. Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed. 8. Attach NOI Wetland Fee Transmittal Form 		Species Program, if needed.
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	 6. Attach proof of mailing for Natural Heritage and Endangered S 7. Attach proof of mailing for Massachusetts Division of Marine F 	isheries, if needed.

E. Fees

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

57507/9/20 1018 2. Municipal Check Number 3. Check date 7/ ද (2.ජ 1019 4. State Check Number 5. Check date Jiseph & Nicole Bise 2200 6. Payor name on check: First Name Bisaza 7. Payor name on check: Last Name

4



Massachusetts Department of Environmental Protection Prove Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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ISSDEP F	ile Number

City/Town

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Malling or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project logation.

1. Signature Applicant

3. Signature of Property Owner (if different)

5. Signature of Representative (if any)

18/20 2. Date

4. Date 7/8/20 6. Date

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



	Вс N Ма	Ireau of Resource Pi Ol Wetland Fe assachusetts Wetlan	rotection - Wetland e Transmitta ds Protection Act	ds I Form M.G.L. c. 131, §	}40			
Important: When	A. Applicant Information							
filling out forms								
use only the tab	1.	Location of Project:						
key to move your		178 SIMPSON RD		MAE	1B020			
use the return key.	cursor - do not use the return kev.		b. City/Town					
		c. Check number		d, Fee amount	t			
	2.	Applicant Mailing Addre	ess:					
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1000		a. First Name		b. Last Name	ROUN			
				2, 200, 7,0110				
		c. Organization						
		178 SIMF	SON RD					
		d. Mailing Address	07		14 <i>x</i>			
		e Cify/Town			ING.			
		508-341-7596		I.BIS		g. Zip Code		
		h. Phone Number	i. Fax Number	j. Email Addres	ss	ind corr		
	3.	Property Owner (if diffe	rent):					
		same						
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		c. Organization	······					
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To calculate	Β.	Fees						
to the category fee list and examples in the	Fee filli	e should be calculated us ing out worksheet.	sing the following proc	ess & worksheet. /	Please see Inst	ructions before		

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).



No. 30400	CENTE A 210 CARRADOLARD XOTE, CELEV, 2750 REMANDER OF YARD AREA STOULD BE LOAMED & SEEDED BY SEFT. 15,2020 TO ALLOW NEW GEASS TO ESTACLIST.
1 april 1 april 1	SITE PLAN OF LOT GRADING IN Marlborough, Massachusetts
	OWNED BY: JOSEPH & NICOLE BISAZZA 178 SIMPSON ROAD PREPARED BY: ROBERT J. PARENTE, P.E. 21 CHAPIN STREET, NORTHBOROUGH, MA. 01532 DATE: JULY 9, 2020 SCALE: 1"=40'



LOCUS MAP NOT TO SCALE

APPLICANT: WP MARLBOROUGH MA OWNER, LLC 9 WEST BROAD STREET, SUITE 800 STAMFORD, CT 06902 203.210.2700

LAND SURVEYOR, SITE ENGINEER LANDSCAPE ARCHITECT: ALLEN & MAJOR ASSOCIATES, INC. 100 COMMERCE WAY, SUITE 5 WOBURN, MA 01801 781.935.6889

ARCHITECT: PHILLIPS ARCHITECTURE 5901 PEACHTREE DUNWOODY ROAD, SUITE A450 ATLANTA, GA 30328. 770.394.1616

MECHANICAL, ELECTRICAL AND PLUMBING CONSULTANT: ENGR3 CONSULTING ENGINEERS 100 NORTH POINT CENTER EAST, SUITE 200 ALPHARETTA, GA 30022

ENVIRONMENTAL CONSULTANT: GODDARD CONSULTING, LLC 291 MAIN STREET SUITE #8 NORTHBOROUGH, MA 01532 508.393.3784



SITE DEVELOPMENT PLANS FOR WALCOTT HERITAGE FARMS 339 BOSTON POST ROAD EAST MARLBOROUGH, MA



PREPARED BY



(IN FEET 1 inch = 100 ft

LIST OF DRAWINGS							
DRAWING TITLE	SHEET NO.	ISSUED	REVISED				
CIVIL DRAWINGS							
EXISTING CONDITIONS PLAN	V-101	01-16-2020	07-08-2020				
ABBREVIATIONS AND NOTES	C-001	12-20-2019	07-08-2020				
LOCUS PLAN	C-100	12-20-2019	07-08-2020				
EROSION CONTROL PLAN	C-102A	12-20-2019	07-08-2020				
EROSION CONTROL PLAN	C-102B	12-20-2019	07-08-2020				
SITE PREPARATION & DEMOLITION PLAN	C-103A	12-20-2019	07-08-2020				
SITE PREPARATION & DEMOLITION PLAN	C-103B	12-20-2019	07-08-2020				
LAYOUT & MATERIALS PLAN	C-104A	12-20-2019	07-08-2020				
LANDSCAPE COVERAGE PLAN	C-104B	02-06-2020	07-08-2020				
LOT COVERAGE PLAN	C-104C	02-06-2020	07-08-2020				
GRADING PLAN	C-105A	12-20-2019	07-08-2020				
GRADING PLAN	C-105B	12-20-2019	07-08-2020				
DRAINAGE PLAN	C-106A	12-20-2019	07-08-2020				
DRAINAGE PLAN	C-106B	12-20-2019	07-08-2020				
UTILITIES PLAN	C-107	12-20-2019	07-08-2020				
FIRE TRUCK TURNING PLAN	C-108	12-20-2019	07-08-2020				
CIVIL DETAILS	C-501	12-20-2019	07-08-2020				
CIVIL DETAILS	C-502	12-20-2019	07-08-2020				
CIVIL DETAILS	C-503	12-20-2019	07-08-2020				
CIVIL DETAILS	C-504	12-20-2019	07-08-2020				
CIVIL DETAILS	C-505	12-20-2019	07-08-2020				
LANDSCAPE & HARDSCAPE DR	AWINGS						
LANDSCAPE PLAN	L-101	12-20-2019	07-08-2020				
LANDSCAPE PLAN	L-102	12-20-2019	07-08-2020				
HARDSCAPE PLAN	L-103	12-20-2019	07-08-2020				
HARDSCAPE & FURNISHINGS PLAN	L-104	12-20-2019	07-08-2020				
CONCEPTUAL LOCATION PLAN OF REPLICATION AREAS	L-201	02-20-2020	07-08-2020				
LANDSCAPE DETAILS	L-501	12-20-2019	07-08-2020				
HARDSCAPE DETAILS	L-502	12-20-2019	07-08-2020				
HARDSCAPE DETAILS	L-503	12-20-2019	07-08-2020				



MAJOR SITE PLAN APPROVAL

ROFESSIONAL ENGINEER FOR ALLEN & MAJOR ASSOCIATES, INC.

RESUBMISSION FOR LOCAL APPROVAL: JANUARY 31, 2020 REVISED PER CITY COMMENTS: JULY 8, 2020





N:\PROJECTS\2658-01\CIVIL\DRAWINGS\CURRENT\SITE PLANS\C-2658-01_COVER.DWG



BOUND (SB) □ OD (IR) ○ MANHOLE (DMH) ⑤ MANHOLE (SMH) ⑤ BASIN (CB) □ POLE ℃ POLE ℃ POLE W/RISER ℃ POLE W/LIGHT ℃ RE ℃ CATE ℃ CATE ℃ CO FLAG ▲331 CC METER ○ CT ○ D FLAG ▲331 CC METER ○ TARA ○ G ○ D AREA ○ G ○ MAY ○ TAND BUFFER ○ VERFRONT BUFFER ○ VER ONC ○ <td< th=""><th></th><th></th></td<>		
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- -CITY OF MARLBOROUGH ASSESSORS MAP 72, LOT 35 ASSESSORS MAP 73, LOTS 24, 26, 26A, 27 & 28
- 1. NORTH ARROW IS BASED ON MASSACHUSETTS GRID
- COORDINATE SYSTEM (MAINLAND ZONE) (NAD 83). 2. PROPERTY LINE & EXISTING SITE FEATURES SHOWN HEREON TAKEN FROM A PLAN ENTITLED "ALTA/NSPS LAND TITLE SURVEY – TAX LOTS 24, 26, 26A, 28 AND 35, CITY OF MARLBOROUGH, COUNTY OF MIDDLESEX, STATE OF MASSACHUSETTS". DATED MAY 30, 2019. PREPARED BY
- 3. WETLAND FLAGS SHOWN HEREON DELINEATED BY GODDARD CONSULTING LLC AND FIELD LOCATED BY ALLEN & MAJOR

WE HEREBY CERTIFY THAT THIS PLAN IS THE RESULT OF AN ACTUAL ON THE GROUND SURVEY PERFORMED ON OR BETWEEN JUNE 21, 2019 AND JANUARY 15, 2020. JULY 8, ZOZO PROFESSIONAL LAND SURVEYOR FOR ALLEN & MAJOR ASSOCIATES, INC. 07/08/20 NORMAN LIPSITZ | 07/08/20 | CITY COMMENTS 01/16/20 ANRAD FILING 12/20/19 ISSUED FOR LOCAL APPROVAL 11/19/19 VARIOUS REVISIONS REV DATE DESCRIPTION APPLICANT\OWNER: WP MARLBOROUGH MA OWNER, LLC 9 WEST BROAD STREET, SUITE 800 STAMFORD, CT 06902 PROJECT: 339 BOSTON POST ROAD EAST MARLBOROUGH, MA PROJECT NO. 2658-01 DATE: 07/22/19 SCALE: 1" = 80' DWG. NAME: S-2658-01-EC KAC CHECKED BY: **DRAFTED BY:** ALLEN & MAJOR ASSOCIATES, INC. civil engineering \blacklozenge land surveying environmental consulting \blacklozenge landscape architecture www.allenmajor.com 100 COMMERCE WAY SUITE 5 WOBURN MA 01801 TEL: (781) 935-6889 FAX: (781) 935-2896 WOBURN, MA 🔶 LAKEVILLE, MA 🔶 MANCHESTER, N THIS DRAWING HAS BEEN PREPARED IN ELECTRONIC FORMAT. CLIENT/CLIENT'S REPRESENTATIVE OR CONSULTANT MAY BE PROVIDED COPIES OF DRAWINGS AND SPECIFICATIONS ON MAGNETIC MEDIA FOR HIS/HER INFORMATION AND USE FOR SPECIFIC APPLICATION TO THIS PROJECT. DUE TO THE POTENTIAL THAT THE MAGNETIC INFORMATION MAY BE MODIFIED UNINTENTIONALLY OR OTHERWISE, ALLEN & MAJOR ASSOCIATES, INC. MAY REMOVE ALL INDICATION OF THE DOCUMENT'S AUTHORSHIP ON THE MAGNETIC MEDIA. PRINTED REPRESENTATIONS OF THE DRAWINGS AND SPECIFICATIONS ISSUED SHALL BE THE ONLY RECORD COPIES OF ALLEN & MAJOR ASSOCIATES, INC.'S WORK PRODUCT. SHEET NO. DRAWING TITLE: V-101 EXISTING CONDITIONS Copyright©2020 Allen & Major Associates, Inc. All Rights Reserved

NOTES

GENERAL NOTES:

- TOPOGRAPHIC INFORMATION AND EXISTING SITE FEATURES WERE OBTAINED FROM AN IN-THE-FIELD SURVEY PERFORMED BY ALLEN & MAJOR ASSOCIATES, INC, 100 COMMERCE WAY, WOBURN, MASSACHUSETTS, ENTITLED "EXISTING CONDITIONS V-101" DATED DECEMBER 20, 2019, ORIGINAL SCALE 1"=80'.
- ZONING DISTRICT IS BUSINESS (B) FOR PARCELS LOCATED AT CITY OF MARLBOROUGH ASSESSORS MAP 72 LOT 35 AND MAP 73 LOTS 26. 26A AND 28 AND ZONING DISTRICT IS RESIDENCE A-2 (A-2) FOR CITY OF MARLBOROUGH ASSESSORS MAP 73 LOT 24.
- OVERALL LOT SIZE: 16.76± ACRES FOR PARCELS LOCATED AT CITY OF MARLBOROUGH ASSESSORS MAP 72 LOT 35 AND MAP 73 LOT 28. 0.58± ACRES FOR ASSESSORS MAP 73 LOTS 26 & 26A AND 8.37± ACRES FOR CITY OF MARLBOROUGH ASSESSORS MAP 73 LOT 24. TOTAL PROJECT AREA IS $25.71\pm$ ACRES.
- DURING CONSTRUCTION, ALL VEHICLES MUST BE PARKED ON SITE.
- DURING CONSTRUCTION, ALL STAGING AND DELIVERIES WILL OCCUR ON SITE.
- THIS PROJECT WILL BE SERVED BY PUBLIC WATER AND SEWER AND PRIVATE, NATURAL GAS, TELEPHONE, CABLE AND ELECTRIC. ALL UTILITY LINES WILL BE INSTALLED UNDERGROUND UNLESS OTHERWISE NOTED.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY, AND "DIGSAFF" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATION OF UTILITIES AND THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION TAKEN BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS AT NO ADDITIONAL COST.
- ALL PROPOSED MAIN BUILDING ENTRANCES AND WALKS SHALL BE HANDICAP ACCESSIBLE PER FEDERAL ADA & MA AAB REGULATIONS.
- ALL SITE WORK DONE FOR THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE SITE PLANS AND SITE WORK SPECIFICATIONS FOR CONSTRUCTION.
- 0. ANY DAMAGE TO PRIVATE OR PUBLIC PROPERTIES DUE TO THE CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED AND RESTORED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- 11. ALL PROPERTY MARKERS AND STREET LINE MONUMENTS SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED AND RESTORED BY A SURVEYOR REGISTERED IN THE STATE OF MASSACHUSETTS AT THE CONTRACTOR'S EXPENSE.
- 2. ALL APPLICABLE PERMITS AND AN APPROVED SET OF PLANS SHALL BE AVAILABLE AT THE CONSTRUCTION SITE.
- THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION MEETING WITH THE APPROPRIATE CITY DEPARTMENTS, THE APPROPRIATE UTILITY COMPANIES, THE OWNER AND OWNER'S REPRESENTATIVE. THE MEETING SHALL TAKE PLACE PRIOR TO THE START OF CONSTRUCTION AND THE CONTRACTOR MUST PROVIDE 48 HOURS NOTICE TO ALL ATTENDEES PRIOR TO THE START OF THE MEETING.
- 4. APPROPRIATE WARNING SIGNS. MARKERS. BARRICADES AND/OR FLAG MEN SHALL BE PROVIDED TO REGULATE TRAFFIC. CONSTRUCTION TRAFFIC CONTROLS SHALL BE IMPLEMENTED AND OPERATED ACCORDING TO THE MASS DEPARTMENT OF TRANSPORTATION, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE LOCAL AUTHORITY.
- 5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ADDITIONAL BENCHMARK INFORMATION IF REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING BENCHMARKS. IF IT IS NECESSARY TO RELOCATE A BENCHMARK, IT SHALL BE RELOCATED BY A MASSACHUSETTS PROFESSIONAL LAND SURVEYOR AND DONE SO AT THE CONTRACTOR'S EXPENSE.
- 6. ALL BUILDING DIMENSIONS ARE MEASURED TO THE OUTSIDE FACE OF THE BUILDING.
- 17. ALL RADII ARE 3 FEET UNLESS OTHERWISE NOTED.
- 18. ALL PARKING LOT AND AISLE DIMENSIONS ARE TAKEN FROM THE FACE OF CURB AND INDICATE EDGE OF PAVEMENT.
- 19. CONSTRUCTION DURING WET WEATHER OR WINTER CONDITIONS IS TO BE ANTICIPATED AND PROVISIONS TO ADEQUATELY ADDRESS THESE CONDITIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST
- 20. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ANY PERMITS AND/OR CONNECTION FEES REQUIRED TO CARRY OUT THE WORK INCLUDING BUT NOT LIMITED TO DEMOLITION.
- 1. DISPOSAL OF ALL DEMOLISHED MATERIALS INCLUDING EXISTING MISC. CONSTRUCTION DEBRIS IS THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL MUNICIPAL REQUIREMENTS AT NO ADDITIONAL COST.
- 22. ALL DISTURBED AREAS NOT NOTED TO RECEIVE OTHER TREATMENT ARE TO RECEIVE SIX INCHES (6") MINIMUM OF TOPSOIL & SEED, AND BE MAINTAINED UNTIL ESTABLISHED & ACCEPTED.
- 23. EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE PROTECTED, ABANDONED, REMOVED OR RELOCATED AS NECESSARY.
- 24. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH THE LOCAL MUNICIPALITY'S GOVERNING AUTHORITY'S SPECIFICATIONS AND SHALL BE APPROVED BY SAME.
- 5. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES TO DETERMINE EXACT POINT OF SERVICE CONNECTION AND DISCONNECTION AT EXISTING UTILITY.
- 26. ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE BENCHMARKS SHOWN ON THE EXISTING CONDITIONS SITE PLAN AND MUST BE VERIFIED BY THE GENERAL CONTRACTOR AT GROUNDBREAKING.
- 27. CONTRACTOR IS RESPONSIBLE FOR DIGGING TEST HOLES AND VERIFYING ANY EXISTING UTILITY OR STRUCTURE PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY THAT BASED ON EXACT LOCATION OF EXISTING UTILITIES, THERE ARE NO CONFLICTS BETWEEN THE EXISTING AND THE PROPOSED UTILITIES/DRAINAGE STRUCTURES.
- 28. THE CONTRACTOR SHALL ADHERE TO ALL PERMIT CONDITIONS PROVIDED BY ALL GOVERNING AGENCIES AT NO ADDITIONAL COSTS. THIS INCLUDES BUT IS NOT LIMITED TO BUILDING PERMITS, DEMOLITION PERMITS, PLUMBING, GAS, AND ELECTRICAL PERMITS FROM THE CITY OF MARLBOROUGH DPW AND MASS DOT FOR APPROVAL.
- 29. DURING EXCAVATION, ANY EXISTING EARTH CUT MATERIALS THAT DO NOT MEET THE "ORDINARY FILL" SPECIFICATIONS OR "LOAM" SPECIFICATIONS AND CANNOT BE REUSED SHALL BE REMOVED OFFSITE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNERS. MATERIAL WHICH DOES NOT MEET THE SPECIFICATION INCLUDES ALL BOULDERS, ROCKS, CONSTRUCTION DEBRIS, AND MISC. MATERIAL. PRIOR TO REUSE. CONTRACTOR TO PROVIDE TESTING REPORT OF SIEVE ANALYSIS TO ENGINEER FOR APPROVAL. CONTRACTOR CAN AMEND MATERIALS AND CONTINUE TO RETEST AS NECESSARY AT NO ADDITIONAL COST TO OWNER. AFTER AMENDING. IF MATERIAL STILL DOES NOT MEET THE SPECIFICATIONS, IT IS TO BE REMOVED FROM SITE AT NO ADDITIONAL COST TO THE OWNER AND IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.
- 0. ANY PROPOSED SIGNAGE SHALL BE APPROVED BY SEPARATE APPLICATION TO THE APPROPRIATE MUNICIPAL AUTHORITY INCLUDING BUT NOT LIMITED TO THE ZONING BOARD OF APPEALS AND CITY COUNCIL. ALL PROPOSED SIGNAGE MUST MEET THE REQUIREMENTS OF THE LOCAL ZONING CODE.
- 31. ALL UTILITY WORK MUST BE PERFORMED BY A CONTRACTOR LICENSED IN THE CITY OF MARLBOROUGH.
- 32. ANY EXCAVATIONS WITHIN BOSTON POST ROAD EAST WILL REQUIRE A MASS DOT ACCESS PERMIT.

GRADING & DRAINAGE NOTES:

- EXISTING PAVEMENT SHALL BE SAW-CUT AND PAVEMENT JOINT SHALL BE INSTALLED WHERE NECESSARY TO ENSURE A SMOOTH CONTINUOUS GRADE. 2. ALL GRADING OPERATIONS SHALL BE COORDINATED WITH THE APPROPRIATE
- UTILITY COMPANIES. IN LANDSCAPED AREAS THE TOP ELEVATION OF MANHOLES SHALL MATCH
- THE FINISH GRADE OF THE TOPSOIL. IN PAVED AREAS THE TOP ELEVATIONS OF MANHOLES SHALL MATCH FINISH GRADE. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED AS
- SOON AS POSSIBLE UPON COMPLETION OF CONSTRUCTION WORK IN THE AREA. 5. TEMPORARY TUBULAR BARRIER PROTECTION AND/OR SILT SACKS SHALL BE
- INSTALLED AND MAINTAINED AT EXISTING DRAINAGE STRUCTURES DURING CONSTRUCTION, TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE DRAINAGE SYSTEM.
- 6. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE PER DEMOLITION PLAN.
- 7. ALL CATCH BASINS, MANHOLES, INFILTRATION SYSTEMS, AND WATER QUALITY STRUCTURES ARE TO BE CLEANED TO REMOVE ALL CONSTRUCTION SILT AND DEBRIS PRIOR TO FINAL APPROVAL.
- 8. IF ANY EXISTING UTILITY STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER AT NO ADDITIONAL COST.
- 9. ALL STORM PIPES ENTERING STRUCTURES SHALL BE GROUTED TO ENSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
- 10. ALL STORM DRAIN MANHOLES SHALL HAVE TRAFFIC BEARING RING & COVERS & SHALL BE LABELED "DRAIN'
- 11. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- 12. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
- 13. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES STEEPER THAN 3H:1V.
- 14. ALL DRAINAGE SYSTEM COMPONENTS SHALL CONFORM TO LOCAL REQUIREMENTS.

UTILITY NOTES:

- THE LATEST STANDARDS OF THE LOCAL MUNICIPALITY SHALL BE FOLLOWED WHEN INSTALLING ANY STORM DRAIN WORK. STORM DRAIN WORK WILL BE INSPECTED BY THE LOCAL GOVERNING AUTHORITY PERSONNEL AND ALL COSTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION AND TO THE CITY ENGINEER FOR APPROVAL.
- ABANDONED EXISTING UTILITIES AND UTILITIES TO BE ABANDONED SHALL EITHER BE ABANDONED IN PLACE AS NOTED OR SHALL BE REMOVED AND DISPOSED OF AS SPECIFIED. ABANDONMENT OR REMOVAL AND DISPOSAL MUST BE COORDINATED BY THE CONTRACTOR WITH THE RESPECTIVE UTILITY OWNER. WHEN ABANDONED UTILITIES ARE TO BE LEFT IN PLACE, PLUG OR CAP THE ENDS OF THE CONDUITS AND PIPES. REMOVE ABANDONED UTILITY MANHOLES, JUNCTION BOXES AND SIMILAR STRUCTURES TO A MINIMUM DEPTH OF 4 FEET BELOW FINISHED GRADE AND PUNCTURE OR BREAK THE BOTTOM SLABS OF MANHOLES AND SIMILAR STRUCTURE TO ALLOW DRAINAGE. BACKFILL AND COMPACT EXCAVATIONS RESULTING FROM REMOVAL OF UTILITY FACILITATES, AS REQUIRED TO RESTORE THE ORIGINAL GRADE.
- THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENTS OF NATURAL GAS, ELECTRIC, TELEPHONE AND ANY OTHER UTILITY BY THE UTILITY OWNER.
- 5. THE CONTRACTOR SHALL USE THE FOLLOWING PIPE MATERIALS: - HDPE (HIGH DENSITY CORRUGATED POLYETHYLENE PIPE DRAIN WITH SMOOTH INNER WALL), ASTM D2321 (UNLESS OTHERWISE SPECIFIED ON PLAN)
- SEWER – PVC (POLYVINYL CHLORIDE), SDR 35 DRAIN - RCP CLASS IV (REINFORCED CONCRETE PIPE, WHERE
- SPECIFIED ON PLAN) • WATER – C.L.D.I. (CEMENT LINED DUCTILE IRON) (CLASS 52)
- BEFORE UTILITY WORK BEGINS, THE CONTRACTOR WILL COORDINATE WITH THE LOCAL MUNICIPALITY FOR THE APPROPRIATE PERMIT AND INSPECTION FEES.
- 7. A MINIMUM OF 10 FEET CLEAR HORIZONTALLY SHALL BE MAINTAINED BETWEEN WATER MAINS AND SANITARY SEWER MAINS AND/OR STORM DRAINS. WHENEVER CONDITIONS PREVENT A LATERAL SEPARATION OF 10 FEET TO A WATER MAIN, THE WATER MAIN SHALL BE LAID IN A SEPARATE TRENCH AND THE DIFFERENCE IN ELEVATION BETWEEN THE WATER MAIN AND THE SEWER MAIN SHALL BE AT LEAST 18 INCHES.
- 8. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- 9. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITY'S INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
- 10. MINIMUM TRENCH WIDTH SHALL BE 2 FEET
- 11. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 5'-0" COVER AND A MAXIMUM OF 8'-0" COVER ON ALL WATERLINES.
- 12. IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATERLINES, SANITARY LINES, STORM LINES AND GAS LINES (EXISTING AND PROPOSED), THE SANITARY LINE SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 10 FEET ON BOTH SIDES OF CROSSING. THE WATERLINE SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE THRUST BLOCKING AS REQUIRED TO PROVIDE A MINIMUM OF 18" CLEARANCE BETWEEN THE PIPES. WHERE THE WATERLINE IS LESS THAN THE 18" VERTICAL CLEARANCE AND MEETING 10' HORIZONTAL CLEARANCE CANNOT BE MET, THE WATER MUST BE ENCASED IN CONCRETE.
- 13. ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH OF 3000 P.S.I.
- 14. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE SPECIFICATIONS OF THE LOCAL AUTHORITIES WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER, SEWER, GAS AND ELECTRICAL AND TELECOMMUNICATIONS LINES.
- 15. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICE
- 16. DRAWINGS DO NOT NECESSARILY SHOW ALL EXISTING UTILITIES.
- 17. WATER AND SEWER ENTRANCE FEES MUST BE PAID TO THE CITY OF MARLBOROUGH IN FULL BEFORE ANY MUNICIPAL SERVICE CONNECTIONS WILL BE ALLOWED.

EROSION & SEDIMENTATION CONTROL NOTES:

- EROSION CONTROL SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND SHALL BE ADEQUATE TO MAINTAIN SEDIMENT ON SITE. ANY MODIFICATIONS TO SILT CONTROLS SHOWN ON THE APPROVED PLANS AS A RESULT OF ACTUAL FIELD CONDITIONS OR CONSTRUCTION PRACTICES SHALL BE INSTALLED IN ACCORDANCE WITH B.M.P. (BEST MANAGEMENT PRACTICES) PER THE E.P.A. 2017 "CONSTRUCTION GENERAL PERMIT" MANUAL, AND MASSACHUSETTS 2003 EROSION & SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS. ANY SUCH MODIFICATIONS FROM THE ABOVE MANUALS SHALL BE INSTALLED AS APPROVED BY THE ENGINEER OR THE LOCAL MUNICIPALITY.
- AREAS OF EXPOSED SOIL UNDERGOING CONSTRUCTION THAT WILL NOT BE COVERED AND OR FINISHED GRADED SHALL BE STABILIZED AS SOON AS PRACTICABLE BUT IN NO CASE MORE THAN 14 DAYS AFTER THE

ALL UTILITIES SCHEDULED FOR

CONSTRUCTION ACTIVITY (UNLESS MUNICIPALITY HAS STRICTER REQUIREMENTS WHICH SHALL BE FOLLOWED) IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY EROSION CONTROL MEASURES SHALL INCLUDE EROSION CONTROL MESH, NETTING OR MULCH AS DIRECTED BY THE OWNER'S REPRESENTATIVE AND SHOWN ON THE DESIGN PLANS. IF MULCH IS USED, STRAW MULCH SHALL BE APPLIED AT THE RATE OF 4 BALES PER 1,000 SQUARE FEET. APPLICATION AREA SHALL BE SUFFICIENTLY COVERED WITH MULCH TO AVOID ANY VISIBLE SOIL EXPOSURE. MULCH SHALL BE KEPT MOIST TO AVOID LOSS DUE TO WIND. MULCH AND NETTING SHALL BE APPLIED IN THE BASE OF ALL GRASSED WATERWAYS, IN VEGETATIVE SLOPES WHICH EXCEED 15% AND DISTURBED AREAS WITHIN 100 FEET OF WETLANDS OR STREAMS.

IF DISTURBED AREAS DO NOT RECEIVE FINAL SEEDING BY OCTOBER 1ST OF THE CONSTRUCTION YEAR. THEN ALL DISTURBED AREAS SHALL BE SEEDED WITH A WINTER COVER CROP AT THE RATE OF 3 LBS PER 1,000 SQUARE FEET. WINTER SEEDING SHALL BE COVERED WITH EROSION CONTROL MESH (MULCH AND NETTING). HEAVY GRADE MATS SHALL BE USED IN THE BASE OF ALL GRASSED WATERWAYS ON VEGETATED SLOPES IN EXCESS OF 15%, AND ANY DISTURBED AREAS WITHIN 100 FEET OF WETLANDS OR STREAMS. MULCH AND NETTING SHALL ALSO BE PROVIDED FOR ADDITIONAL WINTER PROTECTION.

ALL TOPSOIL SHALL BE COLLECTED, STOCKPILED, SEEDED WITH RYE AT 3LBS PER 1,000 SQUARE FOOT AND MULCHED, AND REUSED AS REQUIRED. TUBULAR BARRIERS SHALL BE PLACED DOWN GRADIENT FROM STOCKPILED LOAM. LOAM SHALL BE STOCKPILED AT LOCATIONS DESIGNATED BY THE OWNER AND ENGINEER.

ALL TUBULAR BARRIERS, SILT SACKS, AND EROSION CONTROL BERMS SHALL BE INSTALLED ACCORDING TO THE SITE PREPARATION PLAN. THESE SHALL BE MAINTAINED DURING DEVELOPMENT TO REMOVE SEDIMENT FROM RUNOFF WATER. ALL THE FILTER BARRIERS AND EROSION CONTROL BERMS SHALL BE INSPECTED AFTER ANY RAINFALL OR RUNOFF EVENT. MAINTAINED AND CLEANED UNTIL ALL AREAS HAVE AT LEAST 85-90% VIGOROUS PERENNIAL COVER OF GRASSES.

ADJACENT ROADS SHALL BE PERIODICALLY SWEPT OR WASHED TO AVOID TRACKING MUD, DUST OR DEBRIS FROM THE CONSTRUCTION AREA AS OFTEN AS NECESSARY (WHICH COULD BE ON A DAILY BASIS) TO REMOVE ANY SOIL OR SEDIMENTS AT NO ADDITIONAL COST TO THE OWNER. A WATERING TRUCK WILL BE USED TO PERIODICALLY SPRINKLE CONSTRUCTION AREAS IN ORDER TO KEEP THE LEVEL OF DUST TO A MINIMUM DURING THE DRY MONTHS AT NO ADDITIONAL COST TO THE OWNER.

7. THE CONTRACTOR SHALL USE EXTREME CAUTION TO AVOID ALLOWING SEDIMENTS TO ENTER THE STORM DRAIN SYSTEM DURING CONSTRUCTION. BOTH EXISTING AND PROPOSED CATCH BASIN INLETS SHALL BE PROTECTED DURING CONSTRUCTION BY THE USE OF SILT SACKS AND/OR TUBULAR BARRIERS AROUND EACH INLET AS NOTED ON THE PLANS. INLET PROTECTION MAY BE REMOVED ONLY AFTER FINISHED AREAS ARE PAVED AND THE VEGETATED SLOPES ARE ESTABLISHED WITH AT LEAST 85–90% OF VIGOROUS PERENNIAL GROWTH.

8. AS APPLICABLE, EROSION CONTROL MESH SHALL BE APPLIED IN ACCORDANCE WITH THE PLANS OVER ALL FINISHED SEEDED AREAS AS SPECIFIED ON THE DESIGN PLANS.

AT A MINIMUM. ALL TUBULAR BARRIERS AND FILTER FABRIC SHALL REMAIN IN PLACE UNTIL SEEDINGS OR PLANTINGS HAVE BECOME 85-90% ESTABLISHED. THE LOCAL CONSERVATION COMMISSION MUST APPROVE THE REMOVAL OR RELOCATION OF ANY OF THE TUBULAR BARRIERS AND FILTER FABRIC. ONCE THE TUBULAR BARRIERS ARE REMOVED THE AREAS ARE TO BE LOAMED AND SEEDED TO ACHIEVE FULL STABILIZATION.

10. AT THE OWNER'S DISCRETION ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED TO MAINTAIN STABILITY OF EARTHWORKS AND FINISHED GRADED AREAS. THE CONTRACTOR, AT HIS EXPENSE, WILL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ANY ADDITIONAL MEASURES AS SPECIFIED BY THE OWNER. THIS INCLUDES BUT IS NOT LIMITED TO REQUESTS BY MA DEP. THE ENGINEER AND THE LOCAL MUNICIPALITY. AS AUTHORIZED BY THE OWNER. FAILURE TO COMPLY WITH THE OWNER'S DIRECTIONS WILL RESULT IN DISCONTINUATION OF CONSTRUCTION ACTIVITIES.

INSPECTIONS AND MONITORING MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION CYCLE. WEEKLY INSPECTIONS SHALL BE HELD THROUGH THE DURATION OF CONSTRUCTION ACTIVITY. WEEKLY INSPECTION REPORTS SHALL BE MAINTAINED BY THE CONTRACTOR AND LOCATED IN THE CONTRACTORS FIELD OFFICE ONSITE. IN ADDITION TO THE NORMAL WEEKLY INSPECTIONS, THE CONTRACTOR SHALL PERFORM AN INSPECTION OF ALL EROSION CONTROL MEASURES AFTER EACH RAINFALL OR RUNOFF EVENT, AND PERFORM THE NECESSARY REPAIRS. THE INSPECTIONS SHALL INCLUDE BUT NOT BE LIMITED TO THE SITE'S DOWN STREAM DISCHARGE POINTS.

12. IF ANY EVIDENCE OF SEDIMENTATION IS OBSERVED AT THE STORMWATER MANAGEMENT AREA INLETS, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, PROVIDE A PLAN TO THE ENGINEER TO REMOVE ANY ACCUMULATED SEDIMENT IN THESE AREAS. THE CONTRACTOR SHALL ALSO IMMEDIATELY PROVIDE ADDITIONAL ON SITE EROSION AND SEDIMENTATION CONTROL MEASURES TO PREVENT FURTHER DEGRADATION OF THE AREA.

13. FOLLOWING THE TEMPORARY OR FINAL SEEDINGS, THE CONTRACTOR SHALL INSPECT THE WORK AREA SEMI-MONTHLY TO ENSURE THE AREAS HAVE A MINIMUM OF 85–90% VEGETATED VIGOROUS GROWTH. RE–SEEDING SHALL BE CARRIED OUT BY THE CONTRACTOR WITH FOLLOW UP INSPECTIONS IN THE EVENT OF ANY FAILURES UNTIL VEGETATION IS ADEQUATELY ESTABLISHED.

14. CONTRACTOR & ALL SITE SUBCONTRACTORS SHALL BE FAMILIAR WITH & FOLLOW ALL APPROVED PERMITS AND CONDITIONS. CONTRACTOR SHALL MAINTAIN A COPY OF ALL APPROVED PERMITS ONSITE. ALL CONDITIONS & RECOMMENDATIONS WITHIN THE APPROVED PERMITS SHALL BE COMPLETED.

15. ALL EROSION MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND SHALL BE ADEQUATE TO MAINTAIN SEDIMENT ON SITE. ANY MODIFICATIONS SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER OR THE LOCAL MUNICIPALITY.

16. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED DURING CONSTRUCTION, AND SHALL REMAIN IN PLACE UNTIL ALL SITE WORK IS COMPLETE AND GROUND COVER IS ESTABLISHED.

17. TOP OF STOCKPILES SHALL BE COVERED IN SUCH MANNER THAT STORMWATER DOES NOT INFILTRATE THE MATERIALS AND THEREBY RENDER THE SAME UNSUITABLE FOR FILL USE.

18. ALL DISTURBED OR EXPOSED AREAS SUBJECT TO EROSION SHALL BE STABILIZED WITH MULCH OR SEEDED FOR TEMPORARY VEGETATIVE COVER. NO AREA. SUBJECT TO EROSION SHALL BE LEFT DISTURBED AND UNSTABILIZED FOR PERIODS LONGER THAN IS ABSOLUTELY NECESSARY TO CARRY OUT THAT PORTION OF THE CONSTRUCTION WORK OR SIX MONTHS AFTER SOIL HAS BEEN DISTURBED WHICHEVER IS LESS.

19. CULVERT/PIPE INLETS AND OUTFALLS SHALL BE PROTECTED BY TUBULAR BARRIER FILTERS AND STONE CHECK DAMS UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED.

20. TUBULAR BARRIER DIKES SHALL BE CONSTRUCTED AT ALL EXISTING & PROPOSED CATCH BASINS. NO SEDIMENTATION SHALL ENTER THE ON-SITE OR OFF-SITE DRAINAGE SYSTEMS AT ANY TIME.

21. ALL EROSION CONTROL MEASURES SHALL BE ROUTINELY INSPECTED. CLEANED AND REPAIRED OR REPLACED AS NECESSARY THROUGHOUT ALL PHASES OF CONSTRUCTION. IN ADDITION, INSPECTIONS SHALL TAKE PLACE WEEKLY AND BEFORE AND AFTER EACH RAINFALL EVENT.

22. ALL PROPOSED SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH JUTE MESH AND PROTECTED FROM EROSION UNTIL WORK IS COMPLETE AND GROUND COVER IS ESTABLISHED

23. THE CONTRACTOR SHALL KEEP ON SITE AT ALL TIMES ADDITIONAL TUBULAR BARRIERS FOR INSTALLATION AT THE DIRECTION OF THE ENGINEER OR THE TOWN ENGINEER TO MITIGATE ANY EMERGENCY CONDITION.

24. AS CONSTRUCTION DISTURBANCE IS GREATER THAN 1 ACRE, A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION GENERAL PERMIT NOI, AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) WILL NEED TO BE SUBMITTED TO THE EPA. THE NPDES PERMIT FOR STORM WATER DISCHARGE, & CONSTRUCTION GENERAL PERMIT NOI WILL BE REQUIRED TO BE SUBMITTED AT LEAST 14 DAYS PRIOR TO COMMENCING CONSTRUCTION BY THE CONTRACTOR.

25. OWNER AND CONTRACTOR ARE RESPONSIBLE FOR COMPLIANCE WITH THE CONSTRUCTION GENERAL PERMIT NOI. WEEKLY SWPPP INSPECTION REPORTS TO BE PERFORMED BY CONTRACTOR. COPIES OF ALL SWPPP INSPECTION REPORTS SHALL BE PROVIDED TO THE LOCAL MUNICIPALITY. EPA. DEP. OR ANY OTHER AUTHORITY REQUESTING WITHIN 3 DAYS OF EACH INSPECTION.

26. APPLICABLE WORK AND MATERIALS SHALL COMPLY WITH ALL LOCAL, MA DEP. EPA CONSTRUCTION GENERAL PERMIT STANDARDS. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE SITE PLAN REGULATIONS FROM THE LOCAL AND USDA SOIL CONSERVAT SITE DEVELOPMENT.

27. A WATERING TRUCK SHALL BE CONSTRUCTION AREAS IN ORDER MINIMUM DURING THE DRY MONTHS

28. IF DEWATERING IS NECESSARY IT S THE DISCHARGE SHALL BE STOPPE SHOWS ANY SIGN OF INSTABILITY AND DITCHES DUG FOR DISCHARGI SHALL BE STABLE PRIOR TO D CONSTRUCTION EQUIPMENT BUCKE MATERIAL TO A STABLE AREA. N PERIODS OF INTENSE, HEAVY RAI STRUCTURE SHALL NOT EXCEED AND FILTER FLOW OR ITS VOLUM DISCHARGE FROM THE SEDIMENT R WELL-VEGETATED BUFFER BY SHEE TO THE NEAREST WATER RESOURC BUFFER AREA. THERE SHALL BE WETLANDS OR STREAMS. ALL DISC STATE, LOCAL, AND FEDERAL REQUIR

29. INITIATE STABILIZATION OF EXPOSED WORK TEMPORARILY OR PERMANENT

30. ALL DISCHARGES FROM POLLUTION AS FUELS, WASTEWATER FROM W FROM CLEAN OUT OF PAINTS, FOR CURING COMPOUNDS, POLLUTANTS AND EQUIPMENT. SOAPS & SOLVEN CHEMICALS AND OILS. IF A POLLU IMMEDIATELY CLEANED UP BY RE SOIL OR AREA OF SPILL FROM TH MANUFACTURER RECOMMENDATION REQUIREMENTS. DO NOT HOSE D CHEMICALS USED ON THE SITE STORED AWAY FROM WETLANDS. AND DRAINAGE MEASURES. SPILL EMERGENCY USE. THERE SHALL BE OF ALL CHEMICALS IN ADDITION TO

31. PRIOR TO COMMENCEMENT OF C PERSONNEL MUST HAVE AN UNDE GENERAL PERMIT REQUIREMENTS UNDER THE PERMIT. AT A MINIMU UNDERSTAND THE FOLLOWING: LOC AND HOW TO MAINTAIN THEM. PI POLLUTION PREVENTION REQUIREM INSPECTIONS, RECORDING FINDINGS,

32. ALL SEDIMENT TRACKED ONTO ROA EACH WORK DAY.

33. ALL USE OF CATIONIC TREATM POLYMERS, CHITOSAN, CATIONIC PA UTILIZED FOR STABILIZATION) ARE STABILIZATION MEASURES ARE NO CHEMICALS IS ABSOLUTELY NECES CONTACT THE EPA NEW ENGLAND SPECIFIC REQUIREMENTS (MAXIMU SPECIFIC LIMITATIONS, ETC) PRIOR

34. IF USING NON-VEGETATIVE STAF COMPLETED NO LATER THAN 14 DA AREAS OF EXPOSED SOILS MUST B

35. INSPECTIONS OF EROSION CONTROL EVERY 7 DAYS BY THE CONTRACT INCLUDE ALL DISTURBED AREAS POLLUTION PREVENTION MEASURES MEASURES HAVE BEEN IMPLEMENT AREAS, ALL AREAS WHERE STOR DISCHARGE. WHEN CORRECTIVE AC MUST IMMEDIATELY TAKE ALL STEP UNTIL A PERMANENT SOLUTION IS MODIFIED CONTROLS MUST BE INS MUST BE COMPLETED WITHIN 7 WITHIN 24 HOURS OF A TRIGGERING A CORRECTIVE ACTION, A COR COMPLETED.

MAINTENANCE:

ALL MEASURES STATED ON THE STORM SHALL BE MAINTAINED IN FULLY FUNCTI NO LONGER REQUIRED FOR A COM STABILIZATION OF THE SITE. ALL EF MEASURES SHALL BE CHECKED BY A THE CONTRACT DOCUMENTS OR THE AF STRINGENT, AND REPAIRED IN ACCORDAN

INLET PROTECTION DEVICES AND REPLACED IF THEY SHOW SIGNS OF

ALL SEEDED AREAS SHALL BE HEALTHY STAND OF GRASS IS MAIN WATERED, AND RESEEDED AS NEEDE

ALL SEDIMENT CONTROLS SHALL CONDITIONS IF DAMAGED. SEDIME TUBULAR SEDIMENT CONTROLS WH THE CONTROL MEASURE OR AS REC

THE CONSTRUCTION ENTRANCES WHICH WILL PREVENT TRACKING RIGHTS-OF-WAY. THIS MAY REQU CONSTRUCTION ENTRANCES AS CONI

THE TEMPORARY PARKING AND STO CONDITION (SUITABLE FOR PARKIN PERIODIC TOP DRESSING OF THE DEMAND.

OUTLET STRUCTURES IN THE SEDIM IN OPERATIONAL CONDITIONS AT AL FROM SEDIMENT BASINS OR TRAPS REDUCED BY 50%.

CONSTRUCTION GENERAL PERMI

NARRATIVE: THE STORMWATER POLLU THE SITE PREPARATION PLAN TOGETHER GRADING PLANS, ABBREVIATIONS AND NO

THE EROSION CONTROL PLAN WILL BE I

A. TREAT EROSION AS SOON AS POSSIE B. PREVENT SEDIMENT FROM LEAVING

THE RECEIVING WATERS.

CONSTRUCTION ACTIVITIES SHALL BE D. ONLY DISTURB, CLEAR, OR GRADE AF

		ABBREVIA	ΤΙΟ) N S
N SERVICE VEGETATIVE PRACTICES IN	ABAN ADJ	ABANDON ADJUST	TB TC	TEST BORING TOP OF CURB
USED TO PERIODICALLY SPRINKLE KEEP THE LEVEL OF DUST TO A	B BC	BORING BOTTOM OF CURB	TD TEL, T TMH	TRENCH DRAIN TELEPHONE TELEPHONE MANHOLE
L ONLY BE COMPLETED AS FOLLOWS:	BIT BCB BLDC	BITUMINOUS BITUMINOUS CONCRETE BERM BUILDING	TOS TOW TP	TOP OF SLOPE TOP OF WALL TEST PIT
IMMEDIATELY IF THE RECEIVING AREA REROSION. ALL CHANNELS, SWALES, WATER FROM THE EXCAVATED AREA	BM BOS	BENCH MARK BOTTOM OF SLOPE	TS&V TYP	TAPPING SLEEVE & VALVE TYPICAL
IS USED, IT SHALL EMPTY THE	BOW BRK	BOTTOM OF WALL BRICK		UNDERDRAIN UNDERWRITERS LABORATORY
DEWATERING SHALL OCCUR DURING FLOW TO THE SEDIMENT REMOVAL	BV&B BVW	BUTTERFLY VALVE & BOX BORDERING VEGETATED WETLAND	VCP	VITRIFIED CLAY PIPE
CAPACITY. WHENEVER POSSIBLE, THE VAL STRUCTURE SHALL DRAIN TO A	CATV CB	CABLE TELEVISION CATCH BASIN	VERT VGC	VERTICAL VERTICAL GRANITE CURB
OW WHILE MAXIMIZING THE DISTANCE ND MINIMIZING THE SLOPE OF THE	CF CFS	CUBIC FEET CUBIC FEET PER SECOND	WD	WOOD
GE SHALL BE IN COMPLIANCE WITH ENTS.	CI CL CI DI	CAST IRON (PIPE) CENTERLINE CEMENT LINED DUCTILE IRON (PIPE)	WG WM WMH	WATER MAIN WATER MANHOLE
REAS IMMEDIATELY IF CONSTRUCTION	CM CMP	CONSTRUCTION MANAGER CORRUGATED METAL PIPE	WSO	WATER SHUTOFF
RCES ARE PROHIBITED ONSITE SUCH	CO CONC	CLEAN OUT CONCRETE		
OUT OF CONCRETE, WASTEWATER ELEASE OILS, SOLVENTS, ADHESIVES,	CONST CONT CRD	CONTRACTOR COORDINATE		
TOXIC OR HAZARDOUS SUBSTANCES, I IS DISCHARGED IT NEEDS TO BE	CPP CUL	CORRUGATED POLYETHYLENE PIPE CULVERT		
NG THE CHEMICAL AND AFFECTED E IN ACCORDANCE WITH BOTH THE FEDERAL STATE AND LOCAL	DB	DISTRIBUTION BOX		
AND SPREAD SPILLED ITEM. ALL BE IN LEAK-PROOF CONTAINERS	DBL DEM	DOUBLE DEMOLISH		
CE WATERS, STORMWATER INLETS, SHALL BE AVAILABLE ONSITE FOR	DET DI	DETENTION DUCTILE IRON (PIPE) DIAMETER		
L-PROOF CONTAINERS.	DIM DMH	DIMENSION DRAIN MANHOLE		
RUCTION, APPLICABLE CONTRACTOR NDING OF THE EPA CONSTRUCTION	DW DWG	DOMESTIC WATER (OR DRY WELL) DRAWING		
ERSONNEL MUST BE TRAINED AND N OF ALL STORMWATER CONTROLS	DYCL EHH	DOUBLE YELLOW CENTERLINE		
DURES FOR COMPLYING WITH THE PROCEDURES FOR CONDUCTING	EL ELEC	ELEVATION ELECTRIC		
YS MUST BE REMOVED AT END OF	EMH EOP	ELECTRIC MANHOLE EDGE OF PAVEMENT		
	EOW ETC	EDGE OF KOAD EDGE OF WETLANDS ELECTRIC, TELEPHONF, CABLE		
CHEMICALS (EXAMPLES INCLUDE FLOCCULANTS OR OTHER CHEMICAL HIBITED IF ALL OTHER AVAILABLE	EXIST EXT	EXISTING EXTERIOR		
POSSIBLE AND USE OF CATIONIC THE CONTRACTOR WILL NEED TO	FA	FIRE ALARM		
JE IN WRITING FOR APPROVAL AND DOSAGE RATE, RESIDUAL TESTING, SE	FES FFE	FLARED END SECTION FINISH FLOOR ELEVATION		
ATION MEASURES, IT MUST BE	FLNP FPS	FIRE LANE NO PARKING FEET PER SECOND		
AFTER INITIATING STABILIZATION. ALL VERED.	FT	FIRE SERVICE FOOT/FEET		
ASURES SHALL BE AT LEAST ONCE AT A MINIMUM INSPECTIONS SHALL	GC GEN	GENERAL CONTRACTOR GENERAL		
L STORMWATER CONTROLS AND LOCATIONS WHERE STABILIZATION	GG GR	GAS GATE GUIDE RAIL GRANITE		
ER FLOWS AND ALL POINTS OF ARE REQUIRED, THE CONTRACTOR	GV GV&B	GATE VALVE GATE VALVE & BOX		
PREVENT POLLUTANT DISCHARGES EMENTED. AS NECESSARY NEW OR	GW	GROUND WATER		
FROM THE TIME OF DISCOVERY.	HOR HOR HT	HANDICAP RAMP HORIZONTAL HEIGHT		
IVE ACTION REPORT MUST BE	HW HWY	HEADWALL HIGHWAY		
	HYD	HYDRANT		
TR POLLUTION PREVENTION PLANS, CONDITION BY CONTRACTOR LINTII		INCHES		
D PHASE OF WORK OR FINAL N AND SEDIMENTATION CONTROL	INST INV, I.E.	INSTALLED INVERT, INVERT ELEVATION		
ABLE PERMIT, WHICHEVER IS MORE	L LB	LENGTH LEACHING BASIN		
RIERS SHALL BE REPAIRED OR	LP			
ERMINING, OR DETERIORATION.	MAT MAX MH	MATERIAL MAXIMUM MANHOLE		
D. AREAS SHOULD BE FERTILIZED,	MIN MISC	MINIMUM MISCELLANEOUS		
REPAIRED TO THEIR ORIGINAL SHALL BE REMOVED FROM THE	MTD MW	MOUNTED MONITORING WELL		
T REACHES HALF THE HEIGHT OF ED BY THE OWNER OR ENGINEER.	N NIC	NORTH NOT_IN_CONTRACT		
BE MAINTAINED IN A CONDITION	NO NTS	NUMBER NOT TO SCALE		
PERIODIC TOP DRESSING OF THE NS DEMAND.	OC OD	ON CENTER OUTSIDE DIAMETER		
E AREA SHALL BE KEPT IN GOOD	OHW OVHD OW	OVERHEAD WIRE OVERHEAD OBSERVATION WELL		
IPORARY PARKING AS CONDITIONS	PC	POINT OF CURVATURE		
TION BASINS SHALL BE MAINTAINED	PCC PI PKG	PRECAST CONCRETE CURB POINT OF INTERSECTION PARKING		
I THE DESIGN CAPACITY HAS BEEN	PL PLMB	PROPERTY LINE PLUMBING POINT ON CURVATURE		
	POT PRC	POINT ON TANGENT POINT OF REVERSE CURVATURE		
PREVENTION PLANS CONSIST OF	PROP, P PT PVC	PROPOSED POINT (OR POINT OF TANGENT) POLYVINYL CHLORIDF (PIPF)		
AN EXISTING CONDITIONS PLANS, IEETS, AND DETAIL SHEETS.	R&R	REMOVE & RESET/RFPLACE		
NTED TO:	R&S RCP	REMOVE & STACK REINFORCED CONCRETE PIPE		
ER DISTURBANCE.	RED RELOC	REDUCER RELOCATE		
NSTRUCTION AREA AND ENTERING	REM RET ROW	REMOVE RETAIN, RETAINING OR RETENTION RIGHT OF WAY		
ULED TO MINIMIZE EROSION.	RR RWL	RAILROAD RAIN WATER LEADER		
ECESSARY FOR CONSTRUCTION.	RWY SD	KUADWAY SUBDRAIN		
	SF SGC	SQUARE FEET SLOPED GRANITE CURB		
	SMH SP SPFC	SEWER MANHOLE STANDPIPE SPECIFICATION		
	STA STC STD	STATION STORMCEPTOR STANDARD		
	STRTL SWEL	STRUCTURAL SOLID WHITE EDGE LINE		
	SWLL SYCL	SOLID WHITE LANE LINE SOLID YELLOW CENTERLINE		DIG SAFE
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CALL 811 OR 1-888-DIG-SAFE 1-888-344-7233 OJECT:









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- 1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR IT'S REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND
- 2. THE CONTRACTOR SHALL CONTACT "DIGSAFE" AND THE CITY OF MARLBOROUGH DEPARTMENT OF PUBLIC WORKS AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST THE LOCATION OF THE EXISTING UTILITIES.

- 3. SEE THE ABBREVIATIONS AND NOTES PLAN AND DETAILS FOR FURTHER INFORMATION.
- 4. ALL ELEVATIONS REFER TO NAVD88 DATUM.
- 5. THE INFORMATION SHOWN ON THIS PLAN IS THE SOLE PROPERTY OF ALLEN & MAJOR ASSOCIATES, INC. IT'S INTENDED USE IS TO PROVIDE INFORMATION. ANY ALTERATION, MISUSE, OR RECALCULATION OF INFORMATION OR DATA WITHOUT THE EXPRESSED, WRITTEN CONSENT OF ALLEN & MAJOR ASSOCIATES,
- 6. ALL ON-SITE DEMOLITION INCLUDING CUT & CAP OF UTILITIES SHALL BE PERFORMED TO CITY OF MARLBOROUGH AND SERVICE
- 7. ALTHOUGH CERTAIN ITEMS HAVE BEEN NOTED ON THIS DRAWING FOR DEMOLITION, NO ATTEMPT HAS BEEN MADE TO DELINEATE EACH AND EVERY ITEM THAT REQUIRES DEMOLITION FOR THE COMPLETION OF THE PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL NECESSARY DEMOLITION WORK TO COMPLETE THE PROJECT. ALLEN & MAJOR ASSOCIATES, INC. IS NOT RESPONSIBLE FOR SITE DEMOLITION ITEMS NOT SHOWN ON THE SURVEY, OR SPECIFICALLY NOTED. THE DEMOLITION NOTES AND ARROWS ON THIS PLAN ARE TYPICAL AND DO NOT REFLECT
- 8. ALL CATCH BASINS WITHIN THE PROJECT AREA SHALL BE EQUIPPED WITH SILT SACKS (OR
- 9. CONTRACTOR SHALL PROVIDE WHEEL WASH STATIONS AS NECESSARY TO MITIGATE SEDIMENT TRACK-OUT TO BARTLETT STREET.
- 10. TEMPORARY CONSTRUCTION CONTROLS SHALL BE COORDINATED WITH CONSERVATION AGENT AS NEEDED.

-INSTALL SILT FENCE AT PERIMETER OF SITE AS SHOWN, PRIOR TO ANY WORK OR LAND

-GRUB LOCATIONS OF TEMPORARY BASIN -EXCAVATE TEMPORARY BASIN AREA. TEMPORARY BASIN SHALL BE INSTALLED PER -CUT AND REMOVE TREES REMAINING ON SITE




LEGEND			
SILT FENCE	SF		
TUBULAR BARRIER			
EROSION CONTROL FABRIC			
CATCH BASIN FILTER	\boxtimes		
STONE CHECK DAM	6839		
STABILIZED ENTRANCE			
TURBIDITY CURTAIN	TC		
STOCKPILE/STAGING AREA	[]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]		

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NOTES:

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DIGSAFE: 1-800-344-7233 MARLBOROUGH DEPT. OF PUBLIC WORKS: (508) 624-6910

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- 7. ALL ON-SITE DEMOLITION INCLUDING CUT & CAP OF UTILITIES SHALL BE PERFORMED TO CITY OF MARLBOROUGH AND SERVICE PROVIDER STANDARDS.

GRAPHIC SCALE (IN FEET) 1 inch = 40 ft.









LEGEND LIMIT OF DISTURBANCE LIMIT OF 'CLEAR AND GRUB' BUILDING TO BE REMOVED PAVEMENT TO BE REMOVED

UTILITY CUT AND CAP

TEMPORARY FENCE

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<u>NOTES</u>:

- 1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR IT'S REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- 2. THE INFORMATION SHOWN ON THIS PLAN IS THE SOLE PROPERTY OF ALLEN & MAJOR ASSOCIATES, INC. ITS INTENDED USE IS TO PROVIDE INFORMATION. ANY ALTERATION, MISUSE, OR RECALCULATION OF INFORMATION OR DATA WITHOUT THE EXPRESSED, WRITTEN CONSENT OF ALLEN & MAJOR ASSOCIATES, INC. IS STRICTLY PROHIBITED.
- 3. THE CONTRACTOR SHALL CONTACT "DIGSAFE" AND THE CITY OF MARLBOROUGH DEPARTMENT OF PUBLIC WORKS AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST THE LOCATION OF THE EXISTING UTILITIES.

DIGSAFE: 1-800-344-7233

CITY OF MARLBOROUGH DEPT. OF PUBLIC WORKS: 1-508-624-6910

- 4. ALTHOUGH CERTAIN ITEMS HAVE BEEN NOTED ON THIS DRAWING FOR DEMOLITION, NO ATTEMPT HAS BEEN MADE TO DELINEATE EACH AND EVERY ITEM THAT REQUIRES DEMOLITION FOR THE COMPLETION OF THE PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL NECESSARY DEMOLITION WORK TO COMPLETE THE PROJECT. ALLEN & MAJOR ASSOCIATES, INC. IS NOT RESPONSIBLE FOR SITE DEMOLITION ITEMS NOT SHOWN ON THE SURVEY, OR SPECIFICALLY NOTED. THE DEMOLITION NOTES AND ARROWS ON THIS PLAN ARE TYPICAL AND DO NOT REFLECT QUANTITY.
- 5. EXISTING CONDITIONS BASE PLAN TAKEN FROM A PLAN ENTITLED "EXISTING CONDITIONS" PREPARED BY ALLEN & MAJOR ASSOCIATES, SHEET V-101, ORIGINAL SCALE 1"=80' DATED DECEMBER 20, 2019.
- 6. ALL EXISTING UTILITIES INCLUDING WATER AND SEWER TO BE ABANDONED SHALL BE CUT AND CAPPED AT THE MAIN PRIOR TO BUILDING DEMOLITION IN ACCORDANCE WITH CITY OF MARLBOROUGH REGULATIONS.

GRAPHIC SCALE 20 40 80 (IN FEET) 1 inch = 40 ft.

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ACE ES	GARAGE SPACES	ACCESSIBLE SPACES	TOTAL SPACES PROVIDED	TOTAL SPACES REQUIRED
*	42	8 (2 VAN)	376	376
FACE S	PACES TO INCLUD	E 125 COMPACT	SPACES, WHICH A	ACCOUNTS FOR 2) ELECTRONIC

TAX MAP, 72 LOT 35 & TAX MAP, 73 LOT 28 LAND USAGE REQUIREMENTS - BUSINESS "B"

ПЕМ	REQUIRED DIMENSIONAL REGULATION	PROPOSED DIMENSIONS
MINIMUM LOT AREA	5,000 SQUARE FEET 0.11± ACRES	729,871± S.F. 16.76± ACRES
MINIMUM LOT FRONTAGE	50 FEET	740.6± FEET
MINIMUM SIDE YARD	0 FEET ⁽¹⁾	7.0 FEET
MINIMUM FRONT YARD	50 FEET	50.0 FEET
MINIMUM REAR YARD	NONE	N/A
HEIGHT ⁽²⁾	52 FEET	48'-9"
MAXIMUM LOT COVERAGE	30% – RESIDENTIAL 80% – OTHER USE	25.8% (4.33± Acres)
		(4)

⁽¹⁾ 25 FEET WHERE ABUTTING A RESIDENCE DISTRICT OR WITHIN THE MARLBOROUGH VILLAGE DISTRICT WHERE ABUTTING AN EXISTING STRUCTURE THAT HAS

⁽²⁾ PER MARLBOROUGH ZONING BYLAW, BUILDING HEIGHT IS DEFINED AS VERTICAL DIMENSION MEASURED FROM THE AVERAGE ELEVATION OF THE FINISHED LOT GRADE AT THE FRONT OF THE BUILDING TO THE AVERAGE HEIGHT BETWEEN

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<u>NOTES</u>

- 1. THIS PLAN WAS PREPARED USING AVAILABLE SITE INFORMATION FROM SEVERAL SOURCES, SOME OF WHICH IS UNCONFIRMED. THE EXISTING CONDITIONS SURVEY BASE WAS TAKEN FROM A PLAN ENTITLED "EXISTING CONDITIONS" PREPARED BY ALLEN & MAJOR ASSOCIATES, INC. DATED DECEMBER 20, 2019, ORIGINAL SCALE 1"=80'.
- 2. THE INFORMATION SHOWN ON THIS PLAN IS THE SOLE PROPERTY OF ALLEN & MAJOR ASSOCIATES, INC. ITS INTENDED USE IS TO PROVIDE INFORMATION. ANY ALTERATION, MISUSE, OR RECALCULATION OF INFORMATION OR DATA WITHOUT THE EXPRESSED, WRITTEN CONSENT OF ALLEN & MAJOR ASSOCIATES, INC. IS STRICTLY PROHIBITED.
- 3. LANDSCAPE REQUIREMENTS HAVE BEEN CALCULATED PER SECTION 650-18(A)(9)(e) OF THE CITY OF MARLBOROUGH ZONING BYLAWS.
- 4. ALL LANDSCAPED AREAS SHOWN CAN ACCOMMODATE A 30' DIAMETER CIRCLE AND TOTAL WIDTHS OF AREAS PROVIDED AVERAGE GREATER THAN 40'.

TAX MAP, 72 LOT 35 & TAX MAP, 73 LOT 28 LAND USAGE REQUIREMENTS - BUSINESS "B"

ПЕМ	REQUIRED DIMENSIONAL REGULATION	PROPOSED DIMENSIONS
MINIMUM LOT AREA	5,000 SQUARE FEET 0.11± ACRES	729,871± S.F. 16.76± ACRES
MINIMUM LOT FRONTAGE	50 FEET	740.6± FEET
MINIMUM SIDE YARD	0 FEET ⁽¹⁾	7.0 FEET
MINIMUM FRONT YARD	50 FEET	50.0 FEET
MINIMUM REAR YARD	NONE	N/A
HEIGHT ⁽²⁾	52 FEET	48'-9"
MAXIMUM LOT COVERAGE	30% – RESIDENTIAL 80% – OTHER USE	25.8% (4.33± Acres)
LANDSCAPED AREA ⁽³⁾	58,274 S.F. (1.34 Ac.)	244,028 S.F. (5.6 Ac.)

⁽¹⁾ 25 FEET WHERE ABUTTING A RESIDENCE DISTRICT OR WITHIN THE MARLBOROUGH VILLAGE DISTRICT WHERE ABUTTING AN EXISTING STRUCTURE THAT HAS SIDE—FACING WINDOWS AT THE STRUCTURES LOT LINE; OTHERWISE 0 FEET.

⁽²⁾ PER MARLBOROUGH ZONING BYLAW, BUILDING HEIGHT IS DEFINED AS "THE VERTICAL DIMENSION MEASURED FROM THE AVERAGE ELEVATION OF THE FINISHED LOT GRADE AT THE FRONT OF THE BUILDING TO THE AVERAGE HEIGHT BETWEEN PLATE AND RIDGE OF A GABLE, HIP OR GAMBREL ROOF.

⁽³⁾ SEE MARLBOROUGH ZONING BYLAW 650-18(A)(9)(e), FOR LANDSCAPED AREA REQUIREMENTS.

(*) 83.8% (204,427± S.F., 4.7 Ac.) OF LANDSCAPED AREA IS LESS THAN 8% GRADES.

TAX MAP 73, LOTS 26 & 26A LAND USAGE REQUIREMENTS - BUSINESS "B"

ПЕМ	REQUIRED DIMENSIONAL REGULATION	PROPOSED DIMENSIONS
MINIMUM LOT AREA	5,000 SQUARE FEET 0.11± ACRES	25,340± S.F. 0.58± ACRES
MINIMUM LOT FRONTAGE	50 FEET	175.0± FEET
MINIMUM SIDE YARD	0 FEET ⁽¹⁾	13.2 FEET
MINIMUM FRONT YARD	50 FEET	50.1 FEET
MINIMUM REAR YARD	NONE	N/A
HEIGHT	52 FEET	N/A ⁽²⁾
MAXIMUM LOT COVERAGE	30% – RESIDENTIAL 80% – OTHER USE	29.5% (0.171± Acres)

(1) 25 FEET WHERE ABUTTING A RESIDENCE DISTRICT OR WITHIN THE MARLBOROUGH VILLAGE DISTRICT WHERE ABUTTING AN EXISTING STRUCTURE THAT HAS SIDE-FACING WINDOWS AT THE STRUCTURES LOT LINE; OTHERWISE 0 FEET.

(2) NO BUILDING PROPOSED ON THIS LOT.

GRAPHIC SCALE (IN FEET) 1 inch = 60 ft.

/ N/F | MARLBOROUGE INDUSTRIAL LL

NOTES:

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- 2. THE INFORMATION SHOWN ON THIS PLAN IS THE SOLE PROPERTY OF ALLEN & MAJOR ASSOCIATES, INC. ITS INTENDED USE IS TO PROVIDE INFORMATION. ANY ALTERATION, MISUSE, OR RECALCULATION OF INFORMATION OR DATA WITHOUT THE EXPRESSED, WRITTEN CONSENT OF ALLEN & MAJOR ASSOCIATES, INC. IS STRICTLY PROHIBITED.
- 3. LOT COVERAGE IS DEFINED IN THE CITY OF MARLBOROUGH ZONING BYLAWS AS "THE AREA OF A LOT COVERED BY ALL STRUCTURES, AREAS USED BY VEHICULAR TRAFFIC AND PARKING, INCLUDING DRIVEWAYS, LOADING BAYS AND MANEUVERING AISLES, WHETHER PAVED, UNPAVED OR GRAVELED, AND OF ALL IMPERMEABLE AREAS SUCH AS PAVED WALKWAYS OR OUTDOOR STORAGE AREAS, BUT NOT INCLUDING GRAVEL WALKWAYS OR PEDESTRIAN AREAS NOT ADJACENT TO PARKING LOTS OR BUILDINGS. AREAS NOT INCLUDED IN LOT COVERAGE SHALL BE LANDSCAPED AREAS. FOR PURPOSE OF LOTS EXCLUSIVELY IN RESIDENTIAL USE, LOT COVERAGE SHALL NOT INCLUDE ANY OUTDOOR RECREATIONAL FACILITY FOR THE TENANTS, SUCH AS BUT NOT LIMITED TO A SWIMMING POOL, TENNIS COURT, GARDEN SHED, PATIO OR SIMILAR FACILITY."

TAX MAP, 72 LOT 35 & TAX MAP, 73 LOT 28 LAND USAGE REQUIREMENTS - BUSINESS "B"

ПЕМ	REQUIRED DIMENSIONAL REGULATION	PROPOSED DIMENSIONS
MINIMUM LOT AREA	5,000 SQUARE FEET 0.11± ACRES	729,871± S.F. 16.76± ACRES
MINIMUM LOT FRONTAGE	50 FEET	740.6± FEET
MINIMUM SIDE YARD	0 FEET ⁽¹⁾	7.0 FEET
MINIMUM FRONT YARD	50 FEET	50.0 FEET
MINIMUM REAR YARD	NONE	N/A
HEIGHT ⁽²⁾	52 FEET	48'-9"
MAXIMUM LOT COVERAGE	30% – RESIDENTIAL 80% – OTHER USE	25.8% (4.33± Acres)
LANDSCAPED AREA ⁽³⁾	58,274 S.F. (1.34 Ac.)	244,028 S.F. (5.6 Ac.)

⁽¹⁾ 25 FEET WHERE ABUTTING A RESIDENCE DISTRICT OR WITHIN THE MARLBOROUGH VILLAGE DISTRICT WHERE ABUTTING AN EXISTING STRUCTURE THAT HAS SIDE-FACING WINDOWS AT THE STRUCTURES LOT LINE; OTHERWISE 0 FEET.

⁽²⁾ PER MARLBOROUGH ZONING BYLAW, BUILDING HEIGHT IS DEFINED AS "THE VERTICAL DIMENSION MEASURED FROM THE AVERAGE ELEVATION OF THE FINISHED LOT GRADE AT THE FRONT OF THE BUILDING TO THE AVERAGE HEIGHT BETWEEN PLATE AND RIDGE OF A GABLE, HIP OR GAMBREL ROOF.

⁽³⁾ SEE MARLBOROUGH ZONING BYLAW 650-18(A)(9)(e), FOR LANDSCAPED AREA REQUIREMENTS.

83.8% (204,427 \pm S.F., 4.7 Ac.) OF LANDSCAPED AREA IS LESS THAN 8% GRADES.

TAX MAP 73, LOTS 26 & 26A LAND USAGE REQUIREMENTS - BUSINESS "B"

ПЕМ	REQUIRED DIMENSIONAL REGULATION	PROPOSED DIMENSIONS
MINIMUM LOT AREA	5,000 SQUARE FEET 0.11± ACRES	25,340± S.F. 0.58± ACRES
MINIMUM LOT FRONTAGE	50 FEET	175.0± FEET
MINIMUM SIDE YARD	0 FEET ⁽¹⁾	13.2 FEET
MINIMUM FRONT YARD	50 FEET	50.1 FEET
MINIMUM REAR YARD	NONE	N/A
HEIGHT	52 FEET	N/A ⁽²⁾
MAXIMUM LOT COVERAGE	30% – Residential 80% – Other Use	29.5% (0.171± Acres)

(1) 25 FEET WHERE ABUTTING A RESIDENCE DISTRICT OR WITHIN THE MARLBOROUGH VILLAGE DISTRICT WHERE ABUTTING AN EXISTING STRUCTURE THAT HAS SIDE-FACING WINDOWS AT THE STRUCTURES LOT LINE; OTHERWISE 0 FEET.

⁽²⁾ NO BUILDING PROPOSED ON THIS LOT.

(^^)

- 1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR IT'S REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND
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- 3. THE CONTRACTOR SHALL CONTACT "DIGSAFE" AND THE CITY OF MARLBOROUGH DEPARTMENT OF PUBLIC WORKS AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST THE LOCATION OF THE EXISTING UTILITIES.

MARLBOROUGH DEPT. OF PUBLIC

- 4. SEE THE ABBREVIATIONS AND NOTES PLAN, UTILITIES PLAN AND CIVIL DETAILS, AS WELL AS THE ARCHITECTURAL AND LANDSCAPE PLANS FOR FURTHER INFORMATION.
- 6. EXISTING CONDITIONS BASE PLAN TAKEN FROM A PLAN ENTITLED "EXISTING CONDITIONS" PREPARED BY ALLEN & MAJOR ASSOCIATES,

BENCHMARK SUMMARY			
TBM #	DESCRIPTION	Elev.	
	COTTON GIN SPINDLE IN UPN# 36–1	284.10	
	COTTON GIN SPINDLE IN UPR# 38–50	287.10	

DRAIN MANHOLE	Ø
CATCH BASIN	
OUTLET CONTROL	
DIVERSION WEIR	\bigcirc
WATER QUALITY UNIT	(()
AREA DRAIN	Φ
FLARED END SECTION	
DRAIN LINE	
RIPRAP OUTFALL	
HEADWALL	
5' CONTOUR	<u> </u>
1' CONTOUR	<u> </u>
INFILTRATION SYSTEM	

PROJECTS\2658-01\CIVIL\DRAWINGS\CURRENT\SITE_PLANS\C-2658-01_DRAINAGE.DN

LEGEND			
DRAIN MANHOLE	0		
CATCH BASIN			
OUTLET CONTROL			
DIVERSION WEIR	\odot		
WATER QUALITY UNIT	(WQ)		
AREA DRAIN	•		
FLARED END SECTION			
DRAIN LINE			
RIPRAP OUTFALL	606060608		
HEADWALL			
5' CONTOUR	150		
1' CONTOUR	<u> </u>		
INFILTRATION SYSTEM			

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- 3. THE CONTRACTOR SHALL CONTACT "DIGSAFE" AND THE CITY OF MARLBOROUGH DEPARTMENT OF PUBLIC WORKS AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST THE LOCATION OF THE EXISTING UTILITIES.

DIGSAFE: 1-800-344-7233 MARLBOROUGH DEPT. OF PUBLIC WORKS: (508) 624-6910

- 4. SEE THE ABBREVIATIONS AND NOTES PLAN, UTILITIES PLAN AND CIVIL DETAILS, AS WELL AS THE ARCHITECTURAL AND LANDSCAPE PLANS FOR FURTHER INFORMATION.
- 5. ALL ELEVATIONS REFER TO NAVD88 DATUM.
- EXISTING CONDITIONS BASE PLAN TAKEN FROM A PLAN ENTITLED "EXISTING CONDITIONS" PREPARED BY ALLEN & MAJOR ASSOCIATES, SHEET V-101, ORIGINAL SCALE 1"=80' DATED DECEMBER 20, 2019.
- 7. SEE DRAINAGE SHEET C-106A FOR ADDITIONAL DRAINAGE INFORMATION.
- 8. SEE DRAINAGE REPORT FOR TEST PIT DATA.

GRAPHIC SCALE

	(IN	I FEI	ET)	
1	inch	4	40 f	

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DIGSAFE: 1-800-344-7233

- CITY OF MARLBOROUGH DEPT. OF PUBLIC WORKS: 1-508-624-6910
- ALL ELEVATIONS REFER TO NAVD 88.
- SEE FIRE PROTECTION PLANS FOR ADDITIONAL INFORMATION. FDC LOCATION TO BE CONFIRMED WITH FIRE PROTECTION ENGINEER.
- POLE LIGHTING SHOWN FOR COORDINATION PURPOSES ONLY. POLE LOCATIONS AND STYLES TO BE PROVIDED BY LIGHTING CONSULTANT. SEE PHOTOMETRICS PLAN FOR MORE INFORMATION.
- ALL UTILITIES SHOWN ON THIS PLAN ARE FOR 8. COORDINATION PURPOSES ONLY. INDIVIDUAL UTILITY PROVIDERS AND MEP ENGINEER SHALL DETERMINE THE FINAL LOCATION, SIZE AND MATERIAL OF EACH UTILITY. FINAL LOCATION OF UTILITIES TO BE PROVIDED TO THE CITY OF MARLBOROUGH FOR APPROVAL PRIOR TO INSTALLATION
- MINIMUM 10' SEPARATION BETWEEN SEWER LINES AND WATER LINES SHALL BE MAINTAINED, AS SHOWN ON THE PLANS. WHERE LESS THAT 10' SEPARATION IS POSSIBLE, BOTH LINES SHALL BE ENCASED IN CONCRETE A MINIMUM OF 10' IN EACH DIRECTION, OR AS PRACTICABLE.
- NATURAL GAS SERVICE LOCATION SHOWN FOR COORDINATION PURPOSES ONLY. FINAL LOCATION OF GAS LINE TO BE DETERMINED BY THE UTILITY PROVIDER. FINAL LOCATION OF GAS SERVICE TO BE PROVIDED TO THE CITY OF MARLBOROUGH FOR APPROVAL PRIOR TO INSTALLATION
- 11. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 5'-0" COVER AND A MAXIMUM OF 8'-0" COVER ON ALL WATERLINES.
- 12. NO BOLLARDS ARE CURRENTLY SHOWN AT TRANSFORMER PAD LOCATIONS, HOWEVER, BOLLARD REQUIREMENTS SHALL BE COORDINATED WITH SERVICE PROVIDER IN ACCORDANCE WITH THEIR REGULATIONS.
- 13. ALL UTILITIES TO BE ABANDONED SHALL BE CUT AND CAPPED AT THE MAIN PRIOR TO BUILDING DEMOLITION IN ACCORDANCE WITH CITY OF MARLBOROUGH DPW STANDARDS.
 - GRAPHIC SCALE

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NOTES:

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ALL LANDSCAPED AREAS WITH SHRUBS, TREES, AND PERENNIALS TO HAVE 18" MINIMUM DEPTH OF 3 TOPSOIL. EIGHTEEN INCHES OF TOPSOIL AROUND TREES AND SHRUBS DOES NOT INCLUDE AMENDED PLANTING SOIL WITHIN TREE / SHRUB PIT FOR FULL DEPTH OF ROOTBALLS. SEE PLANTING DETAILS FOR PLANTING DEPTH AT SHRUBS AND TREES. ALL AREAS OF LOAM AND SEED OR LOAM & SOD TO HAVE 6" MINIMUM DEPTH OF TOPSOIL. TOPSOIL TO BE TESTED BY CONTRACTOR, AND APPROVED BY A&M PRIOR TO PURCHASE AND OR PLACEMENT. GENERAL CONTRACTOR, DEMOLITION CONTRACTOR, AND LANDSCAPE CONTRACTOR TO COORDINATE PROPER DEPTH OF EXISTING MATERIAL REMOVAL ACROSS SITE SO THAT 18" MINIMUM AND 6" MINIMUM DEPTHS OF PROPOSED TOPSOIL NOTED ABOVE ARE MET AT NO ADDITIONAL COST TO OWNER. SEE TOPSOIL DETAIL.

4. SEE SHEET L-102 FOR ADDITIONAL PARKING LOT LANDSCAPE PLAN.

MULCH BED

PERENNIALS/GROUNDCOVER

EROSION CONTROL SEED MIX

WILDFLOWER SEED MIX

5. SEE SHEET L-102 & L-501 FOR ADDITIONAL LANDSCAPE INFORMATION.

PLANTING PALETTE - TREES, SHRUBS, & PERENNIALS

KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	MIN. SIZE	SPACING	COMMENTS
DECI	DECIDUOUS SHADE TREES					
AA	21	AMELANCHIER 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	2.5-3" CAL.	AS SHOWN	B&B
AR	24	ACER RUBRUM 'KARPICK'	KARPICK RED MAPLE	2.5-3" CAL.	AS SHOWN	B&B
BP	14	BETULA PAPYRIFERA	PAPER BIRCH	12-14' HT.	AS SHOWN	B&B
СС	5	CERCIS CANADENSIS	EASTERN REDBUD	2.5-3" CAL.	AS SHOWN	B&B
PR	12	PRUNUS SARGENTII 'PINK FLAIR'	PINK FLAIR SARGEANT CHERRY	2.5-3" CAL.	AS SHOWN	B&B
QP	9	QUERCUS PALUSTRIS	PIN OAK	3-3.5" CAL.	AS SHOWN	B&B
EVER	GREEN TR	EES	·			
JV	10	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	6'-7'HT.	AS SHOWN	B&B
PA	4	PICEA ABIES	NORWAY SPRUCE	6'—7'HT.	AS SHOWN	B&B
PP	6	PICEA PUNGENS 'FAT ALBERT'	FAT ALBERT BLUE SPRUCE	6'-7'HT.	AS SHOWN	B&B
то	13	THUJA OCCIDENTALIS 'WINTERGREEN'	WINTERGREEN ARBORVITAE	6'—7'HT.	AS SHOWN	B&B
SHRU	JBS/ GRAS	SSES				
KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	MIN. SIZE	SPACING	COMMENTS
CS	82	CLETHRA ALNIFOLIA 'SIXTEEN	SIXTEEN CANDLES SUMMERSWEET	#3	AS SHOWN	POT
HY	186	HYDRANGEA ARBORESCENS	ANNABELLE HYDRANGEA	#3	AS SHOWN	POT
HYT	17	HYDRANGEA PANICULATA	TREEFORM LIMELIGHT HYDRANGEA	3'-4'	AS SHOWN	B&B
IG	151	ILEX GLABRA 'SHAMROCK'	INKBERRY	2'-2.5' HT.	AS SHOWN	POT
PV	63	PANICUM V. 'SHENANDOAH'	SHENANDOAH SWITCH GRASS	# 3	AS SHOWN	POT
РЈМ	167	RHODODENDRON 'PJM COMPACT CLONF'	COMPACT PJM RHODODENDRON	#3	AS SHOWN	POT
RN	87	RHODODENDRON 'BOULE DE	BOULE DE NEIGE RHODODENDRON	18"—24" HT.	AS SHOWN	POT
RK	86	ROSA KNOCKOUT PINK	PINK KNOCKOUT ROSE	2'-2.5' HT.	AS SHOWN	РОТ
SD	9	SALIX DISCOLOR	PUSSY WILLOW	3–4'HT.	AS SHOWN	POT
VD	21	VIBURNUM P.T. 'SUMMER	SUMMER SNOWFLAKE	#10	AS SHOWN	POT
PERE	ENNIALS					
KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	MIN. SIZE	SPACING	COMMENTS
ВА	70	BAPTISIA 'PURPLE SMOKE'	PURPLE SMOKE WILD	#1	24" O.C.	STAGGERED
EP	131	ECHINACEA PURPUREA	PURPLE CONEFLOWER	# 1	24" O.C.	STAGGERED
GS	52	GERANIUM SANGUINEUM 'ALBUM'	WHITE PERENNIAL GERANIUM	#1	24" O.C.	STAGGERED
но	32	HOSTA 'BLUE ANGEL'	BLUE ANGEL HOSTA	#1	24" O.C.	STAGGERED
HR	204	HEMEROCALLIS 'ORANGE	ORANGE SMOOTHIE DAYLILLY	#1	24" O.C.	STAGGERED
н	22	HIBISCUS MOSCHEUTOS 'LUNA	PINK SWIRL HARDY HIBISCUS	#1	24" 0.C.	STAGGERED
IS	34	IRIS SIBERICA 'SNOW QUEEN'	SNOW QUEEN SIBERIAN	#1	24" O.C.	STAGGERED
RF	47	RUDBECKIA FULGIDA 'GOLDSTURM'	BLACK EYED SUSAN	#1	24" O.C.	STAGGERED

GRAPHIC SCALE

- NOTES: 1. THE INFORMATION SHOWN ON THIS PLAN IS THE SOLE PROPERTY OF ALLEN & MAJOR ASSOCIATES, INC. ITS INTENDED USE IS TO PROVIDE INFORMATION. ANY ALTERATION, MISUSE, OR RECALCULATION OF INFORMATION OR DATA WITHOUT THE EXPRESSED, WRITTEN CONSENT OF ALLEN & MAJOR ASSOCIATES, INC. IS STRICTLY PROHIBITED.
- THIS PLAN WAS PREPARED USING AVAILABLE SITE INFORMATION FROM SEVERAL SOURCES, SOME OF WHICH IS UNCONFIRMED. THE EXISTING CONDITIONS SURVEY BASE WAS TAKEN FROM A PLAN ENTITLED "EXISTING CONDITIONS, V-101" PREPARED BY ALLEN & MAJOR ASSOCIATES, INC. DATED JULY, 2019, ORIGINAL SCALE 1"=80'.
- ALL LANDSCAPED AREAS WITH SHRUBS, TREES, AND PERENNIALS TO HAVE 18" MINIMUM DEPTH OF TOPSOIL. EIGHTEEN INCHES OF TOPSOIL AROUND TREES AND SHRUBS DOES NOT INCLUDE AMENDED PLANTING SOIL WITHIN TREE / SHRUB PIT FOR FULL DEPTH OF ROOTBÁLLS. SEE PLANTING DETAILS FOR PLANTING DEPTH AT SHRUBS AND TREES. ALL AREAS OF LOAM AND SEED OR LOAM & SOD TO HAVE 6" MINIMUM DEPTH OF TOPSOIL. TOPSOIL TO BE TESTED BY CONTRACTOR, AND APPROVED BY A&M PRIOR TO PURCHASE AND OR PLACEMENT. GENERAL CONTRACTOR, DEMOLITION CONTRACTOR, AND LANDSCAPE CONTRACTOR TO COORDINATE PROPER DEPTH OF EXISTING MATERIAL REMOVAL ACROSS SITE SO THAT 18" MINIMUM AND 6" MINIMUM DEPTHS OF PROPOSED TOPSOIL NOTED ABOVE ARE MET AT NO ADDITIONAL COST TO OWNER. SEE TOPSOIL DETAIL.
- 4. SEE SHEET L-104, L-502, L-503 FOR ADDITIONAL HARDSCAPE & FURNISHINGS INFORMATION.

RNISHINGS					
ANTITY	ITEM	COMPANY	COLOR	SIZE	COMMENTS
1	WOODEN PERGOLA. SEE NOTE #4 ON FURNISHINGS PLAN.	BALDWIN PERGOLAS www.baldwinpergolas.com	STAINED WOOD	14'X 28'	SALES@BALDWINPERGOLAS.C OM MIDDLTOWN, CT P: (800) 344-5103
TBD	EXPOSED AGGREGATE CONCRETE AT POOL DECK. SEE NOTE #5 ON FURNISHINGS PLAN.	PREMIERE CONCRETE BOMANITE OR EQUAL	EXPOSED AGGREGATE	N/A	PREMIERE CONCRETE
TBD	ADA SPECIALITY STABILIZED STONEDUST FOR CORNHOLE AREA. <u>SEE DETAIL.</u>	READ CUSTOM SOILS WITH ORGANIC-LOCK STABILIZER SOLUTIONS.	NATURAL GRAY	VARIES. SEE PLANS.	NORTHERN NEW ENGLAND BLENDING FACILITY 37 POWER RD. WESTFORD, MA 01886
TBD	CONC. PAVERS	UNILOCK PAVERS OR EQUAL www.unilock.com	GRAY	VARIES	ASHLEY ALLARD-LACROIX COMMERCIAL SALES - UNILOCK NEW YORK, INC. BOSTON DIVISION OFFICE: 508-278-4536 EXT.4046 CELL: 508-277-4413 UNILOCK.COM 1-800-UNILOCK

GRAPHIC SCALE

(IN FEET) 1 inch = 40 ft.

THE INFORMATION SHOWN ON THIS PLAN IS THE SOLE PROPERTY OF ALLEN & MAJOR ASSOCIATES, INC. ITS INTENDED USE IS TO PROVIDE INFORMATION. ANY ALTERATION, MISUSE, OR RECALCULATION OF INFORMATION OR DATA WITHOUT THE EXPRESSED, WRITTEN CONSENT OF ALLEN & MAJOR ASSOCIATES, INC. IS STRICTLY PROHIBITED.

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- ALL LANDSCAPED AREAS WITH SHRUBS, TREES, AND PERENNIALS TO HAVE 18" MINIMUM DEPTH OF TOPSOIL. EIGHTEEN INCHES OF TOPSOIL AROUND TREES AND SHRUBS DOES NOT INCLUDE AMENDED PLANTING SOIL WITHIN TREE / SHRUB PIT FOR FULL DEPTH OF ROOTBALLS. SEE PLANTING DETAILS FOR PLANTING DEPTH AT SHRUBS AND TREES. ALL AREAS OF LOAM AND SEED OR LOAM & SOD TO HAVE 6" MINIMUM DEPTH OF TOPSOIL TOPSOIL TO BE TESTED BY CONTRACTOR, AND APPROVED BY A&M PRIOR TO PURCHASE AND OR PLACEMENT. GENERAL CONTRACTOR, DEMOLITION CONTRACTOR, AND LANDSCAPE CONTRACTOR TO COORDINATE PROPER DEPTH OF EXISTING MATERIAL REMOVAL ACROSS SITE SO THAT 18" MINIMUM AND 6" MINIMUM DEPTHS OF PROPOSED TOPSOIL NOTED ABOVE ARE MET AT NO ADDITIONAL COST TO OWNER. SEE TOPSOIL DETAIL.
- PERGOLA DESIGNED & BUILT BY BALDWIN PERGOLAS. BALDWINPERGOLAS.COM (MIDDLETOWN, CT). PERGOLA TO BE WESTERN RED CLEAR CEDAR, 10 FT. TALL, 8"X8" POSTS, 2"X6" BEAMS, JAPANESE STYLE ANGLE CUT RAFTERS, 4 FT. DEPTH MIN. CONC. FOOTINGS, STAINED OR LEFT NATURAL CEDAR, FOR PRICING PURPOSES ONLY STAINED WITH 2 COATS. PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO ORDERING. PERGOLA STRUCTURE INCLUDING FASTENERS, WOOD SIZING, AND FOOTINGS TO BE REVIEWED AND APPROVED BY STRUCTURAL ENGINEER LICENSED IN THE STATE OF MA & AT CONTRACTORS COST. PERGOLA CONTRACTOR TO COORD. PERGOLA INSTALLATION WITH ADJACENT LIGHTING, POOL, SIDEWALK, AND FOOTING CONTRACTORS.
- EXPOSED AGGREGATE CONC. POOL DECK TO BE BOMANITE EXPOSED AGGREGATE. SHOP DRAWINGS TO BE PROVIDED PRIOR TO CONSTRUCTION. COLOR TO BE SELECTED BY 5. OWNER/LANDSCAPE ARCHITECT. EFFECT SHOULD BE TO SIMULATE A GRANITE LOOK.
- SEE SHEET L-103, L-502, L-503 FOR ADDITIONAL HARDSCAPE & FURNISHINGS 6. INFORMATION.

FURNISHINGS SCHEDULE

FURNISHINGS			_		
QUANTITY	ITEM	COMPANY	COLOR	SIZE	COMMENTS
1	CASPIAN 6 PIECE DINING SET	ALL MODERN	NATURAL TEKWOOD , TITANIUM FABRIC	40WX63L	WWW.ALLMODERN COM
8	CASPIAN 5 PIECE DINING SET	ALL MODERN	NATURAL TEKWOOD, TITANIUM FABRIC	40WX40L	WWW.ALLMODERN COM
8	DOUBLE VENT UMBRELLA	LEISURE CREATIONS FURNITUREHTTP://www.leisure creationsfurniture.com	PACIFIC BLUE	9' OCTAGONAL	866-464-6575 www.leisurecreatio sfurniture.com
10	SANTA BARBARA MODULAR SQUARE MODULAR SEAT CORNERS – 6113	LEISURE CREATIONS FURNITUREHTTP://www.leisure creationsfurniture.com	PACIFIC BLUE FABRIC, PLATINUM FRAME	DIMENSIONS (W X D X H): 34" X 34" X 25" SEAT HEIGHT: <u>16"</u>	866-464-6575 WWW.LEISURECREATIO SFURNITURE.COM
5	SANTA BARBARA MODULAR CENTER MODULAR SEAT – 6103	LEISURE CREATIONS FURNITUREHTTP://www.leisure creationsfurniture.com	PACIFIC BLUE FABRIC, PLATINUM FRAME	UIMENSIONS (W X D X H): 34" X 34" X 25" SEAT HEIGHT: 16"	866-464-6575 www.leisurecreatio sfurniture.com
1	PREMIUM TABLE TOP SLAT PATTERN 42 X 60 SLAT RECTANGLE SLTR4260	LEISURE CREATIONS FURNITUREHTTP://www.leisure creationsfurniture.com	PLATINUM FRAME	42 X 60 HEIGHT: 16"	866-464-6575 www.leisurecreatio sfurniture.com
10	URBAN LOFT SIDE TABLE 15916	LEISURE CREATIONS FURNITUREHTTP://www.leisure creationsfurniture.com	WHITE	16DX16W	866-464-6575 WWW.LEISURECREATIC SFURNITURE.COM
30	URBAN LOFT SLING CHAISE LOUNGE	LEISURE CREATIONS FURNITUREHTTP://www.leisure creationsfurniture.com	CORNICHE GRAY FABRIC, ALUMINUM METALIC FRAME	32DX79W	866-464-6575 WWW.LEISURECREATIO SFURNITURE.COM
1	65" X 39" FLO FIRE TABLE	BROWN JORDAN FIRES BROWNJORDANFIRES.COM	GRAY/NATURAL	65" X 39" X 24" (CUSTOM HT.) WITH 12" HT. GLASS SHIELD	PHONE: 800-231-9790
1	SCARBOROUGH BENCH	LANDSCAPE FORMS LANDSCAPEFORMS.COM	POWDERCOATED COLOR TBD	BACKED 72" LENGTH WITH END ARMS	PHONE 800-430-6209
3	DOG RECEPTACLE & DISPENSER STAND	PET PICKUPS PETPICKUPS.COM	TBD	6'HT.	PHONE: 303-443-8914
6 TOTAL (2 DIFFERENT SIZES)	LARKSPUR PLANTERS	LANDSCAPE FORMS LANDSCAPEFORMS.COM	TBD	(2) AT 30" TALL & (4) AT 24" TALL	PHONE 800-430-6209
10 TOTAL (5 RECYCLE & 5 TRASH)	TRASH & RECYCLE RECEPTACLES	LANDSCAPE FORMS LANDSCAPEFORMS.COM	TBD	29" DIA. & 34 ³ 4" TALL	PHONE 800-430-6209
1 PACKAGE OF DOG PARK PLAY EQUIPMENT (10 ITEMS)	DOG PARK PLAY EQUIPMENT PACKAGE OF 10 ITEMS; MODEL RECFOO2OXX; 'BEGGIN FOR MORE PACKAGE" (INCLUDES: CAMEL HUMP CLIMBER, THROUGH THE TUNNEL, HOME SWEET HOME, DOG LOG, JUMP THROUGH, LET'S REST, WALK THE PLANK, HIGH JUMP, STEPPING UP, &	SUPERIOR RECREATIONAL PRODUCTS SUPERIORRECREATIONALPRO DUCTS.COM	TBD	VARIOUS SIZES	866–547–4281 OR 617–244–3317 FOR LOCAL REF DOUG KNOTTS

-

(IN FEET) 1 inch = 10 ft.

SEED MIXES:

NEW ENGLAND WETLAND PLANTS 820 WEST STREET, AMHERST, MA 01002 PHONE: 413-548-8000 EMAIL: INFO@NEWP.COM

BASINS AND MOIST SITES

SCHIZACHYRIUM SCOPARIUM I ANDROPOGON GERARDII AGROSTIS PERENNANS EUPATORIUM FISTULOSUM EUPATORIUM PERFOLIATUM ASTER NOVAE-ANGLIAE SCIRPUS CYPERINUS

STRAW IS RECOMMENDED

LOAM AND SODDING:

LOAM AND SEEDING NOTES:

<u>SCIENTIFIC NAME</u>

FESTUCA RUBRA	CRE
"RUBRA"	FES
PAO PRAENTENSIS	BAR
"BARON"	BLU
LOLIUM PERENNE	PAL
"PALMER"	RYE
FESTUCA RUBRA COMMUTATA WILMA	WILI

- CARBONATES. LIMESTONE SHALL BE GROUND TO SUCH FINENESS THAT 50% WILL PASS A 100 MESH SIEVE AND 90% WILL PASS THROUGH A 20 MESH SIEVE.

4. LAWN AREAS TO BE SEEDED BY SOWING EVENLY WITH AN APPROVED MECHANICAL SEEDER AT THE RATE OF TEN POUNDS PER 1000 SQUARE FEET. 5. CONTRACTOR RESPONSIBLE FOR WATERING, MOWING, AND RESEEDING OF LAWN BARE SPOTS UNTIL A UNIFORM. HEALTHY STAND OF GRASS IS ESTABLISHED AND ACCEPTED.

			\int	
	10.0°	5.0'		[355mm]
SEE NOTE 1.				
YND				PLAN
AT EACH —				
NTERIOR,				
RFACE TO				
	1			
				MODERN DOG DISPENS
OURT. INSTALL TIMBERS ON A 6" GRAVE	L BASE AROUND ENTIRE PERIME	TER OF BOCCE COURT. UNIFY		PLAN
BER WALL, WOODEN HIMBERS TO BE IN:	STALLED WITH 12 REVEAL ON IN	ISIDE AND OUTSIDE OF COURT		
' PER 10' AS MEASURED IN ANY DIRECT	TION. DURNING INSTALLATION, W	ATER SURFACE AND COMPACT		
IER RAKE, BROOM, TO MAINTAIN COURTS	ARE TO BE PROVIDED BY OWN	ER.		a a a a a a a a a a a a a a a a a a a
DF. ALSO PROVIDE 1 EXTRA SET OF EA	ACH COLORED ROUNDED SCORE SH FROM WWW.BOCCEMON.CO; 1-	INDICATORS FOR BOARD. -360-224-2909 OR EQUAL.		MODERN DOG SIGI
SUBMIT SHOP DRAWING FOR APPROVAL	ON MATERIAL AND COLOR.	< DETAIL).		
TIMBER FRAME.				
			$\underline{-}$	
		·		
PLAN VIEW	INSTALL (1) OF POWER (
CEDAR PERGOLA DETAIL	AT EACH CORNER CO	DLUMN		
SCALE: 1" = 240"	3)			
SHOP DRAWING OF CAPSTONE INCLUDIN				
5. INSTALL CONTINOUS LATOCRETE AI ND MASONRY VENEER MORTAR SETTING IUM MASONRY POINTING MORTAR. SEE	IR AND NUTES: BEDS. 1. INSTALL ST NOTES 6 USE IN MA	ONE VENEER PER MANUFACTURERS	RECOMMENDATIONS FOR E	EXTERIOR CONCRETE WALL

- & 7. INSIDE OF CAPSTONE TO INCLUDE #4 REBAR AT 12" O.C. EACH REBAR TO RUN FROM THE FRONT TO BACK OF THE CAPSTONE. (IF EACH CAPSTONE IS ROUGHLY 3' 5 §" LONG THEN (2) #4 REBAR PER CAPSTONE PIECE)
 - PRESS STONE INTO LATICRETE SETTING BED BEHIND STONE. TYP.
 - BOTTOM OF CONCRETE WALL
- 2. STONE VENEER TO MATCH ARCHITECTURE ELDORADO STONE (HTTPS://WWW.ELDORADOSTONE.COM/) IN EARTH TONES OR EQUAL. PROVIDE OWNER WITH SAMPLES OF EACH STYLE IN A MOCK UP AND SHOP DRAWINGS FOR APPROVAL FROM OWNER PRIOR TO ORDERING.
- WALLS INCLUDING FOOTING TO BE REVIEWED AS A SHOP DRAWING, AND APPROVED BY STRUCTURAL ENGINEER LICENSED IN THE STATE OF MASSACHUSETTS AND AT CONTRACTOR COST. CONTRACTOR TO INCORPORATE ANY NECESSARY REVISIONS.
- 4. PRECAST CONCRETE CAPSTONE TO BE FROM NORTHERN DESIGN PRECAST, INC. LOCATED IN LOUDON, NH. 603-783-8989 OR APPROVED EQUAL. PROVIDE OWNER WITH STAMPLES OF EACH STYLE AND SHOP DRAWINGS FOR APPROVAL PRIOR TO ORDERING.
- 5. DO NOT USE ORDINARY MASONARY MORTAR BEHIND STONE VENEER. AFTER CONCRETE WALL HAS FULLY CURED UTILIZE 2 LATICRETE PRODUCTS BETWEEN STONE VENEER AND CONCRETE WALL. FIRST CLEAN CONCRETE WALL AND MAKE SURE NO LOOSE CONCRETE OR DIRT. THEN APPLY 2 COATS (15-22 MILS) OF LATICRETE AIR AND WATER BARRIER CONTINUOUS ACROSS ENTIRE WALL SIDES, TOP AND SHELF TO RECEIVE STONES. ALLOW TO CURE. THEN APPLY LATICRETE HI-BOND MASONRY VENEER MORTAR (PRODUCT IS A POLYMER FORTIFIED MORTAR) CONTINUOUS ACROSS ENTIRE WALL AND SHELF TO RECEIVE STONES. PRESS STONES VENEER INTO MORTAR. AFTER STONES SET USE LATICRETE PREMIUM MASONRY POINTING MORTAR. PROVIDE SHOP DRAWINGS OF ALL LATICRETE PRODUCTS FOR APPROVAL TO LANDSCAPE ARCHITECT PRIOR TO PURCHASING. INSTALL LATICRETE PRODUCTS AND STONE VENEER PER MANUFACTURERS INSTRUCTIONS.
- 6. PRESS STONE INTO LATICRETE SETTING BED BEHIND STONE. SETTING BED TO BE 3/4" DEPTH BEFORE COMPRESSION. EACH STONE TO BE HAND TIGHT JOINTS AND NO MORE THAN 1/4" BETWEEN STONES. STAGGER ALL JOINTS. CREATE RANDOM APPEARANCE OF VENEER WITH VARYING STONE SIZES. REMOVE EXCESS MORTAR FROM JOINTS. AFTER STONES ARE SET, APPLY LATICRETE PREMIUM MASONRY POINTING MORTAR TO JOINTS. JOINTS TO HAVE SMOOTH FINISH AND BE CLEAN IN APPEARANCE.

STONE VENEER WALL NOT TO SCALE

July 13, 2020

Chairman Edward Clancy City of Marlborough Conservation Commission 140 Main Street Marlborough, MA 01752 Re: A&M Project: 1145-08A The Gutierrez Company c/o Scott Weiss 150 Hayes Memorial Drive Request for Certificate of Compliance **DEP File #212-1198**

Dear Chairman Clancy:

On behalf of The Gutierrez Company, and in accordance with Conditions #12, Allen & Major Associates, Inc. (A&M) is submitting a request for a Certificate of Compliance for the Parcel G Distribution Center project at 150 Hayes Memorial Drive (DEP File #212-1198).

Completed Special Conditions

- 1. In accordance with Special Condition #27 A&M, has attached an as-built plan set and a letter of compliance, stamped by a registered professional engineer. Said plans and letter show all conditions of the Order of Conditions have been complied within a satisfactory manner.
- 2. Per Special Condition #29, after the site has been stabilized, all erosion controls shall be removed from the site.
- 3. Per Special Condition #48, the detention basins, all drainage pipes and catch basins, and drainage structures have been cleaned of sediment and debris. All infiltration systems and water quality structures have been inspected and cleaned when necessary.
- 4. Per Special Condition #49, the Stormwater Management System Operations and Maintenance Plan found in section 2.0 in the Drainage Report, has been updated with the final O&M plan in the final drainage report and has been attached for review and approval.
- 5. Special Condition #51 requires the wetland boundary to be marked in the field to show the closest points from wetland to construction. It was determined that there were no wetland locations close enough to construction such that they would require additional marking. Wetlands are still protected by erosion control measures such as silt fences and straw wattles.

This letter serves to notify the Marlborough Conservation Commission that the work depicted on the approved plans has been completed and is in substantial conformance to the approved site plans. Based upon on-site construction observations and the attached "As-Built" drawing prepared by field instrument survey, A&M finds that the proposed site development was completed in substantial

compliance with the approved drawings and Order of Conditions. Please consider this letter as our affidavit of such.

We thank you in advance for the consideration of the Conservation Commission at the next available public hearing. Please let me know if attendance at the hearing will be necessary and a representative can be available. If you have any questions regarding this submittal, please contact me at (781) 305-9431.

Very truly yours, 1.28.20 **ALLEN & MAJOR NUM** CIVIL arlton M. Quinn, P.E Senior Project Manager

Cc: The Gutierrez Company; Scott Weiss

Attachments:

- 1. Massachusetts Department of Environmental Protection WPA Form 8A Request for Certificate of Compliance.
- 2. P.E. stamped Letter of Drainage Certification, dated January 28, 2020.
- 3. P.E. stamped volume calculations noting both the provided and required stormwater water quality & recharge volumes.
- 4. An updated Operation and Maintenance Plan (O&M) dated May 14, 2020.
- 5. 150 Hayes Memorial Drive "As-Built" Plan by Allen & Major Associates, Inc. dated January 24, 2020 including inverts of all structures and discharge points.

Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands WPA Form 8A – Request for Certificate of Compliance

DEP File Number:

212-1198 Provided by DEP

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

A. Project Information

Important: When filling out forms on the computer, use only the tab key to move your cursor do not use the return key

Upon completion 3. of the work authorized in an Order of Conditions, the property owner must request a Certificate of 4. Compliance from the issuing authority stating that the work or portion of the work has been satisfactorily completed.

1.	This request is being made by:				
	The Gutierrez Company c/o Scott Weiss				
	Name				
	200 Summit Drive, Suite 400				
	Mailing Address				
	Burlington	MA	01803		
	City/Town	State	Zip Code		
	781-272-7000				
	Phone Number				
2.	This request is in reference to work regula The Gutierrez Company Applicant	ated by a final Order of Conditions issue	d to:		
	October 5, 2018	212-1198			
	Dated DEP File Number				
3.	The project site is located at:				
	Hayes Memorial Drive	Marlborough			
	Street Address	City/Town			
	Map 99	Parcel 4			
	Assessors Map/Plat Number	Parcel/Lot Number			
4.	The final Order of Conditions was recorded at the Registry of Deeds for:				
	Marlborough/Northborough Land Realty Trust, Arthur Guitierrez, Jr., Trustee				
	Property Owner (if different)				
	Middlesex South	72032	146		
	County	Book	Page		
	N/A				
	Certificate (if registered land)				
5.	This request is for certification that (check	cone):			
	\boxtimes the work regulated by the above-refere	enced Order of Conditions has been satis	factorily completed.		
			• ··· ·		

the following portions of the work regulated by the above-referenced Order of Conditions have been satisfactorily completed (use additional paper if necessary).

the above-referenced Order of Conditions has lapsed and is therefore no longer valid, and the work regulated by it was never started.

Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands WPA Form 8A – Request for Certificate of Compliance

DEP File Number:

212-1198 Provided by DEP

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

A. Project Information (cont.)

- 6. Did the Order of Conditions for this project, or the portion of the project subject to this request, contain an approval of any plans stamped by a registered professional engineer, architect, landscape architect, or land surveyor?
 - Yes If yes, attach a written statement by such a professional certifying substantial compliance with the plans and describing what deviation, if any, exists from the plans approved in the Order.

🗌 No

B. Submittal Requirements

Requests for Certificates of Compliance should be directed to the issuing authority that issued the final Order of Conditions (OOC). If the project received an OOC from the Conservation Commission, submit this request to that Commission. If the project was issued a Superseding Order of Conditions or was the subject of an Adjudicatory Hearing Final Decision, submit this request to the appropriate DEP Regional Office (see http://www.mass.gov/eea/agencies/massdep/about/contacts/find-the-massdep-regional-office-for-your-city-or-town.html).

allenmajor.com

July 13, 2020

Mr. Thomas DiPersio Marlborough Engineering Department 140 Main Street Marlborough, MA 01752 RE: A&M # 1145-08A Hayes G Warehouse Project 150 Hayes Memorial Drive Drainage Certification

Dear Mr. Dipersio:

Allen & Major Associates, Inc., on behalf of The Gutierrez Company, has prepared this letter as a written statement certifying substantial compliance of the installed drainage system with the approved site plans for the Hayes G Warehouse project at 150 Hayes Memorial Drive. This letter has been prepared in support of close out with the Conservation Commission, and will be submitted with a WPA Form 8A Request for Certificate of Compliance for the issued Order of Conditions at a future date.

I, Carlton M. Quinn, PE, with Massachusetts Registration No. 49923, being a registered professional civil engineer certify at this time that the drainage improvements have been satisfactorily completed in substantial compliance with the approved site plans on file with the City of Marlborough associated with this project.

Enclosed is a copy of the final stamped and signed site as-built survey for the project, an updated Operation and Maintenance plan revised to incorporate the new owner and operator contact information, as well as a spreadsheet of the design and as-built volumes of the two (2) basins on-site, including one in Northborough. We thank you in advance for your consideration and please contact me with any concerns.

OF MASSACHU Very truly yours, 1.28.20 ALLEN & MAJOR A QUINN CIVIL Carlton M. Quinn, P.E SIONAL Senior Project Manager

Attachments:

- 1. WPA Form 8a Request for Certification of Compliance
- 2. Spreadsheet of design versus as-built basin volumes, issued January 28, 2020.
- 3. Operation and Maintenance plan revised through January 28, 2020 incorporating new owner and operator contact information.
- 4. Stamped and Signed As-Built Survey revised through January 24, 2020.

BASIN CAPACITY			By DMR	
Hayes G Project - 150 Hayes Memorial Drive		Jan. 28, 2020	Checked by CMQ	
BMP	DESIGN VOLUME (FT ³⁾	VOLUME PROVIDED (FT ³)	ADJUST REQUIRED	
BASIN #1	108,216	111,242	NO	
BASIN #2	53,240	53,524	NO	

SITE LOCUS SCALE: 1"=1,000'

PARCEL G - DISTRIBUTION CENTER DEVELOPMENT NORTHBOROUGH & MARLBOROUGH, MASSACHUSETTS OPERATION & MAINTENANCE PLAN

DATE PREPARED: APRIL 6, 2018

REVISED THROUGH: MAY 14, 2020

APPLICANT: THE GUTIERREZ COMPANY 200 WHEELER ROAD BURLINGTON, MA 01803 781.272.7000

PREPARED BY: ALLEN & MAJOR ASSOCIATES, INC. 100 COMMERCE WAY WOBURN, MASSACHUSETTS 01801

A&M PROJECT NO.: 1145-08A

Parcel G Distribution Center Northborough & Marlborough, MA A&M Project # 1145-08A Issued April 6, 2018 Revised through May 14, 2020

OPERATION AND MAINTENANCE PLAN

In accordance with the standards set forth by the Stormwater Management Policy issued by the Department of Environmental Protection (DEP), Allen & Major Associates, Inc. (A&M) has prepared the following Operation and Maintenance plan for the Parcel G Distribution Center Stormwater Management System (SMS).

This plan is broken in to two major sections. The first section describes construction-related erosion and sedimentation controls, which are now complete. The second section is devoted to post-development, on-going operation and maintenance plan which is covered by the remainder of this document. An operation and maintenance schedule has been included with this report.

Stormwater Management System Owner:	Hayes G, LLC
	28 State Street, 10 th Floor
	Boston, MA 02109
Stormwater Management System Operator:	Sam Ajanaku (Property Manager)
	Lincoln Property Company
	1 Van De Graff Drive, Lower Level
	Burlington, MA 01803
	Tel: (781) 238-4488

Emergency Response Personnel Contact Information:

Clean Harbors Marlborough Field Services 50A Brigham Street Marlborough, MA 01752 24-hour line: (800)-645-8265 Bus. Line: (508)-970-8672

Cell: (781) 858-4153 Email: sajanaku@lpc.com

		DI (701) 025 (000
-	Allen & Major Associates, Inc. (Site Civil Engineer)	Phone (781) 935-6889
-	Northborough Public Works	Phone (508) 393-5030
-	Northborough Conservation Commission	Phone (508) 393-5015
-	Northborough Fire Department	Phone (508) 393-1537
-	Clean Harbors 24 Hour Emergency Response Line	Phone (800) 645-8265
-	Clean Harbors Local Business Line (Marlborough)	Phone (508) 970-8672

DRAINAGE REPORT

Parcel G Distribution Center Northborough & Marlborough, MA A&M Project # 1145-08A Issued April 6, 2018 Revised through May 14, 2020

INTRODUCTION

The stormwater management system (SMS) for this project is owned by Hayes G, LLC (or current owner) and shall be legally responsible for long-term operation and maintenance for this SMS as outlined in this Operation and Maintenance (O&M) Plan. Should ownership of the SMS change, the succeeding owner will be presented with this O&M Plan and supporting attachments at or before legal conveyance of ownership and will assume the obligations of the O&M Plan. The Town of Northborough shall be notified of any change in ownership.

In the event that the SMS will be operated and maintained by an entity other than that listed in this document, the applicant shall provide a plan and easement deed that provides a right of access for the legal entity to be able to perform said operation and maintenance functions. In the event the SMS will serve multiple lots/owners, the applicant shall also provide a copy of the legal instrument (deed, homeowner's association, utility trust or other legal entity) to the Town of Northborough that establishes the terms of and legal responsibility for the operation and maintenance of the entire SMS.

POST CONSRUCTION MAINTENANCE PLAN

The SMS shall be inspected immediately after construction, and in accordance with the attached Operation and Maintenance Schedule Log, as well as the Inspection and Maintenance Frequency Section below. The maintenance log will be kept (i.e. reported) by summarizing inspections, maintenance, and any corrective actions taken. The log will include the date on which each inspection or maintenance task was performed, a description of the inspection findings or maintenance completed, and the name of the inspector or maintenance personnel performing the task. If a maintenance task requires the clean-out of any sediments or debris, the location where the sediment and debris was disposed after removal will be indicated. The log will be made accessible to the Conservation Agent and a copy provided to the Department upon request. In accordance with the issued Orders of Conditions for the project, an annual maintenance report shall be provided to the Town Engineer and the Conservation Commission by June 1st of each year reporting on the maintenance and operation procedures, outlined in condition above, which have been met for that year. This reporting requirement will begin with the request for a Certificate of Compliance, or occupancy permit, whichever comes first.

The property is a warehouse and may be used to house rubber tires for a tire wholesaler. Although tires themselves are not considered hazardous materials, due to the nature of the potential contaminants generated by tires which have caught fire, and the location of the site within the Town of Northborough's Groundwater Overlay District 3, an Environmental Incident Response Plan (EIRP) has been incorporated into this Operation and Maintenance report in the event of a building fire containing tires. No tires are currently being stored in the building and the additional EIRP measures are only required during the time when tires are stored on site.

The burning tires could potentially generate contaminants including oil, oil by-products or other hydrocarbons. These potential contaminants could possibly be dispersed by water from

DRAINAGE REPORT

Parcel G Distribution Center Northborough & Marlborough, MA A&M Project # 1145-08A Issued April 6, 2018 Revised through May 14, 2020

the fire suppression system and conveyed to the existing stormwater management system, and eventually infiltrate into groundwater. For this reason, these preventative measures and response plan are required in the unlikely event of a tire fire. The response plan is not intended to be a complete treatment of contaminated fire suppression water on-site, but a reasonable approach to filtering and removing oils and other related contaminants from fire suppression water prior to reaching groundwater. This response plan will only be activated if tires are stored at the property. In the event that tires are stored in the building on the property, then the following items shall apply:

Tire Storage Related Pre-Incident Preparations:

- Each of the eighteen (18) catch basins on-site shall be equipped with one oil absorbent catch basin pillows, installed according to the manufacturer's recommendations. See the attached As-built plan for catch basin locations.
 - Install Complete Environmental Products, Inc., (CEP) Poly Pillow Part #PIL10, or an equal as approved by the Town of Northborough Engineering Department to remove floating hydrocarbons within the catch basins. See below for more information on the poly pillow.
 - Every catch basin has been installed with a snout to retain hydrocarbons within the catch basins for capture by the poly pillows (or approved equal)
 - Pillows shall be inspected a minimum of every six (6) months and replaced as needed. Deteriorated, used or torn pillows shall be properly disposed of, and additional pillows shall be obtained and installed.
- Have contact information for Clean Harbors Emergency Response Line in a conspicuous location on-site.

Clean Harbors Emergency Response Line: 1-(800) 645-8265

In case of Tire Fire Incident:

- Evacuate the premises and ensure safety of everyone on-site.
- Call the Northborough Fire Department at (508) 393-1537.
- Contact Clean Harbors Emergency Response to schedule a cleanup.

Post Incident:

- Have Clean Harbors Emergency Response on site as soon as possible after the fire has been terminated to remove used pillows and vacuum remaining standing water within building and dispose of standing water and used pillows in accordance with all Local, State and Federal Regulations. The Town Engineer and Conservation Agent shall be notified and afforded the opportunity to inspect the site prior to the start of cleanup.
- All catch basin sumps shall be cleaned and vacuumed and contents disposed of in accordance with all Local, State and Federal Regulations.
- Forebays and detention basins shall be cleaned and contents disposed of in accordance with all Local, State and Federal Regulations.
- Provide written reports of the incident and cleanup to the City Engineer of Marlborough and Town Engineer of Northborough within 30 days of the incident.

DRAINAGE REPORT

Parcel G Distribution Center Northborough & Marlborough, MA A&M Project # 1145-08A Issued April 6, 2018 Revised through May 14, 2020

- Install new pillows in accordance with manufacturers recommendations.

Oil Absorbent Catch Basin Pillows:

Any time period during which rubber tires are stored on site, Complete Environmental Products, Inc., Poly Pillows Part #PIL10, or an approval equal, shall be installed in all catch basins. Poly pillows are ideal for spill control, containment, or for skimming oil from water. Oil absorbent catch basin pillows work in conjunction with oil snouts which are permanently installed in all catch basins on site to mitigate potential contaminants, including oil, oil products or other hydrocarbons from exiting the catch basins. The poly pillows (or approved equal) shall be inserted in all catch basins during the presence of rubber tires stored on the property. The use of heavy-duty polypropylene covers makes them resistant to tearing. The pillows shall be inspected every year at a minimum to ensure they are in good condition and have not deteriorated. Deteriorated, used or torn pillows shall be properly disposed of, and additional pillows shall be attained and installed as required, and in accordance with manufacturers recommendations. The Building manager shall maintain a supply of pillows on site equal to the number of catch basins on site at all times.

Inspection and Maintenance Frequency and Corrective Measures:

In accordance with MA DEP Stormwater Handbook: Volume 2, Chapter 2; the following areas, facilities, and measures will be inspected and the identified deficiencies will be corrected. Clean-out must include the removal and legal disposal of any accumulated sediments, trash, and debris. In any and all cases, operations, inspections, and maintenance activities shall utilize best practical measures to avoid and minimize impacts to wetland resource areas outside the foot print of the SMS.

<u>Structural Pretreatment BMPs:</u> Regular maintenance of these BMPs is especially critical because they typically receive the highest concentration of suspended solids during the first flush of a storm event.

Deep Sump Catch Basins:

Inspect catch basins 2 times per year (specifically after foliage and snow season) to ensure that the catch basins and pillows are working in their intended fashion and that they are free of debris. Structures will be skimmed of floatable debris at each inspection and sediment will be removed when or before sump is determined to be 50% full. If the basin outlet is designed with a hood to trap floatable materials (i.e. Snout), check to ensure watertight seal is working.

Proprietary Stormwater Separator (Water quality unit):

Inspect and clean these units in strict accordance with manufacturers' recommendations and requirements. Clean the units using the method specified by the manufacturer. Vactor trucks are typically used to clean these units. Clamshell buckets typically used for cleaning catch basins will not be allowed by manufacturers. Sometimes it will be necessary to remove sediment manually. The only proprietary separator proposed on-site is labeled as DMH-6 on the Grading and Drainage plans and discharges to basin #1 located in Northborough.
Parcel G Distribution Center Northborough & Marlborough, MA A&M Project # 1145-08A Issued April 6, 2018 Revised through May 14, 2020

The proprietary stormwater separator shall be maintained as stated in this appended Maintenance Plan and as follows: the system shall be inspected twice annually and shall be cleaned using a vacuum truck in accordance with the manufacturer's instructions and at a minimum annually. Sediment shall be removed when the depth in the chamber reaches 12 inches. During the first year of operation, inspection shall occur monthly and during periods of heavy contaminant loading (e.g. – construction, winter sanding, soil disturbances, or fuel spills). All records of annual maintenance shall be provided to the Commission electronically via e-mail within 30 days.

Detention BMPs:

Stormwater Facilities:

Maintenance of upstream pre-treatment measures is critically important to the function of BMPs. Pre-treatment BMPs shall be inspected for sediment and floatables accumulation and maintained at least twice per year (every other month recommended) and after every major storm event.

Surface Structures (Storm Water Detention Basins):

The surface structures will be inspected within the first three months after construction within 72 hours of a half-inch storm event to ensure it is draining properly. Thereafter, the bottom should be inspected for sediment, trash and debris at least twice per year. Trash, debris, and visible sediment should be removed. The system should also be inspected annually within 72 hours of a half-inch storm event to ensure it is draining properly. Inspections shall be logged in the attached Log Sheet.

Basins shall be maintained and inspected as stated in this Operation and Maintenance Plan and as follows:

- a. During the growing season, the side slopes shall be mowed at least twice with additional cutting performed as needed. Wetland plants shall be allowed to grow along the wet basin bottom, except that and such plants that interfere with the inlet or outlet control devices shall be removed.
- b. All tree saplings shall be removed from embankments and the pond bottom.
- c. The inlet and outlet shall be inspected for erosion and sedimentation; riprap shall be repaired promptly in the event of erosion.
- d. The basins shall be inspected for sediment accumulation annually and any accumulated sediments shall be removed when the depth reaches six inches anywhere in the basins. All accumulated sediments shall be disposed of in accordance with current applicable local, state and federal guidelines and regulations. Sediment removal and other pond maintenance activities shall not be

Parcel G Distribution Center Northborough & Marlborough, MA A&M Project # 1145-08A Issued April 6, 2018 Revised through May 14, 2020

considered as a wetland alteration under the Massachusetts Wetlands Protection Act or the Northborough Wetlands Bylaw, however the Commission shall be notified of all such activities at least 48 hours in advance.

Other BMPs and Accessories:

Culverts:

Inspect culverts 2 times per year (in Spring and Fall) to ensure that the culverts are working in their intended fashion and that they are free of debris. Remove any obstructions to flow; remove accumulated sediments and debris at the inlet, at the outlet, and within the conduit and to repair any erosion damage at the culvert's inlet and outlet.

Vegetated Areas:

Inspect slopes and embankments early in the growing season to identify active or potential erosion problems. Replant bare areas or areas with sparse growth. Where rill erosion is evident, armor the area with an appropriate lining or divert the erosive flows to on-site areas able to withstand the concentrated flows.

De-Icing Chemicals:

In accordance with the Town of Northborough's special condition #14, the use of deicing chemicals shall be limited. Reduced amounts of de-icing chemicals shall be achieved through careful application. Sand shall be the primary agent used for driveways, pedestrian walkways, and parking lots during snow/ice conditions. When necessary for safety conditions, alternative de-icing compounds, such as calcium chloride and/or calcium magnesium acetate shall be used. No de-icing chemicals shall be used where direct run-off/drainage will discharge into the wetland resource areas. This condition shall remain in perpetuity, and shall be recorded as such on the Certificate of Compliance.

Roadways and Parking Surfaces:

Clear accumulations of winter sand in parking lots and along roadways at least once a year, preferably in the spring. Accumulations on pavement may be removed by pavement sweeping. Accumulations of sand along road shoulders may be removed by grading excess sand to the pavement edge and removing it manually or by a front-end loader. In accordance with the Town of Northborough's special conditions #40, the sidewalk and parking lot shall be swept during early and late spring at a minimum or in the event of excessive accumulation.

Roof Drains:

In accordance with the Town of Northborough's special conditions #42, the roof shall be kept clear of debris. An annual inspection shall be conducted and any sediment or other particulate matter that may accumulate shall be removed and reported on the maintenance log sheet.

Parcel G Distribution Center Northborough & Marlborough, MA A&M Project # 1145-08A Issued April 6, 2018 Revised through May 14, 2020

Snow Storage:

In accordance with the Town of Northborough's special conditions #41, snow storage shall be limited to the designated locations as indicated on the approved plans.

Accumulated Debris:

In accordance with the Town of Northborough's special conditions #43 and #44, the accumulated debris and sediment shall be removed on an as needed basis, annually at a minimum and all accumulated sediments and hydrocarbons shall be disposed of in accordance with current applicable local, state and federal guidelines and regulations.

LANDSCAPED MANAGEMENT PLAN

It should be recognized that this is a general guideline towards achieving high quality and well-groomed landscaped areas. The grounds staff / landscape contractor must recognize the shortcomings of a general maintenance program such as this and modify and/or augment it based on weekly, monthly, and yearly observations. In order to assure the highest quality conditions, the staff must also recognize and appreciate the need to be aware of the constantly changing conditions of the landscaping and be able to respond to them on a proactive basis.

Additional care must be taken in landscape areas that are functioning as BMP drainage structures. These areas have been specifically designed to treat and convey stormwater and shall be maintained as such. These areas include the Sediment Forebay and Detention Basin and are illustrated on the Grading & Drainage Plan.

Fertilizer

Maintenance practices should be aimed at reducing environmental, mechanical and pest stresses to promote healthy and vigorous growth. When necessary, pest outbreaks should be treated with the most sensitive control measure available. Synthetic chemical controls should be used only as a last resort to organic and biological control methods. Fertilizer, synthetic chemical controls and pest management applications (when necessary) should be performed only by licensed applicators in accordance with the manufacturer's label instructions when environmental conditions are conducive to controlled product application.

Only slow-release organic fertilizers should be used in the landscaped areas to limit the amount of nutrients that could enter downstream resource areas. Fertilization of developed areas on site will be performed within manufacturers labeling instructions. Additionally, the fertilizer will include a slow release element and be Phosphorous free.

In accordance with the Order of Conditions recorded with the Worcester Registry of Deeds

Parcel G Distribution Center Northborough & Marlborough, MA A&M Project # 1145-08A Issued April 6, 2018 Revised through May 14, 2020

Book 59844 Page 211 special condition #13, the use of fertilizers shall be in accordance with manufacturer's recommendations and federal law. Herbicide and pesticide usage shall be in accordance with federal regulations. This condition shall remain in perpetuity, and shall be recorded as such on the Certificate of Compliance.

Suggested Aeration Program

In-season aeration of lawn areas is good cultural practice and is recommended whenever feasible. It should be accomplished with a solid thin tine aeration method to reduce disruption to the use of the area. The depth of solid tine aeration is similar to core type but should be performed when the soil is somewhat drier for a greater overall effect.

Depending on the intensity of use, it can be expected that all landscaped lawn areas will need aeration to reduce compaction at least once per year. The first operation should occur in late May following the spring season. Methods of reducing compaction will vary based on the nature of the compaction. Compaction on newly established landscaped areas is generally limited to the top 2-3" and can be alleviated using hollow core or thin tine aeration methods.

The spring aeration should consist of two passes at opposite directions with 1/4" hollow core tines penetrating 3-5" into the soil profile. Aeration should occur when the soil is moist but not saturated. The cores should be shattered in place and dragged or swept back into the turf to control thatch. If desired the cores may also be removed and the area top-dressed with sand or sandy loam. If the area drains on average too slowly, the topdressing should contain a higher percentage of sand. If it is draining on average too quickly, the top dressing should contain a higher percentage of soil and organic matter.

Landscape Maintenance Program Practices:

Lawn

- Mow a minimum of once a week in spring, to a height of 2" to 2 1/2" high. Mowing should be frequent enough so that no more than 1/3 of grass blade is removed at each mowing. The top growth supports the roots; the shorter the grass is cut, the less the roots will grow. Short cutting also dries out the soil and encourages weeds to germinate.
- Mow approximately once every two weeks from July 1st to August 15th depending on lawn growth.
- Mow on a ten-day cycle in fall, when growth is stimulated by cooler nights and increased moisture.
- Do not remove grass clippings after mowing. (Except in Drainage BMP's)
- Keep mower blades sharp to prevent ragged cuts on grass leaves, which cause a

Parcel G Distribution Center Northborough & Marlborough, MA A&M Project # 1145-08A Issued April 6, 2018 Revised through May 14, 2020

brownish appearance and increase the chance for disease to enter a leaf.

- Supplemental irrigation of lawn areas should provide 1" of water per week in two watering's per week—when no natural rainfall has occurred.
- Shrubs
- Mulch not more than 3" depth with shredded pine or fir bark.
- Hand pruning shall be performed annually based on the natural growth characteristics of each species to keep plants from overgrowing walks and windows. NO SHEARING OF SHRUBS IS PERMITTED. Typically, pruning of each variety shall be immediately after blooming.
- Fertilize with ¹/₂ lb. slow-release fertilizer (see above section on Fertilizer) every second year.
- Hand prune evergreen shrubs only as needed to remove dead and damaged wood and to maintain the naturalistic form of the shrub. Never mechanically shear evergreen shrubs.
- Trees
- Provide aftercare for new tree plantings for the first three years.
- Do not fertilize trees, it artificially stimulates them (unless tree health warrants).
- Water once a week for the first year; twice a month the second, once a month the third year.
- Prune trees on a four-year cycle.

Grassland Management Protocol

During the first three growing seasons the native grasslands should mowed one or two times with a sickle bar mower to suppress weed species. The blade shall be set between 5"-10" as directed. If weed growth is not rampant, the first mowing should be done in mid-July. More than one mowing may be necessary over the course of the first and second growing season if extensive weed growth is evident. During the third year of growth, one mowing shall be performed in late July. No rotary mowers shall be used. All cuttings should be removed and disposed of away from the planted area until the grassland habitat is fully established.

No fertilizers shall be used after planting. The low nitrogen available from the soil is an important factor in suppressing many potential invasive species from establishing in the grassland restoration areas.

Herbicides shall only be used where non-grass herbaceous species comprise more than 30 percent of vegetative cover based as determined from monitoring. Appropriate broad-leaf herbicides should be used only according to their directions.

Supplemental Seeding shall be done in areas where the primary seeding has not been

Parcel G Distribution Center Northborough & Marlborough, MA

successful as directed by the monitor.

Maintenance Phase

By the fourth growing season, the planted grasslands should be reaching maturity. At this time, half of the grassland habitat area should be mown annually in mid-August to maintain the grassland habitat, limiting the opportunity for shrubs and late-blooming forbs to spread, and allowing the grasses time to recover before dormancy.

MANAGEMENT OF DEICING CHEMICALS AND SNOW

It will be the responsibility of the snow removal contractor to properly dispose of transported snow according to the Massachusetts DEP, Bureau of Resource Protection – Snow Disposal Guideline #BRPG01-0, governing the proper disposal of snow. It will be the responsibility of the snow removal contractor to follow these guidelines and all applicable laws and regulations. A copy of the MA DEP Snow Disposal Guideline #BRPG01-01 has been included at the end of Section 2 for reference.

The sites maintenance staff (or its designee) will be responsible for the clearing of the sidewalk and building entrances. The site may be required to use a de-icing agent such as potassium chloride (or approved equal) to maintain a safe walking surface; however, these are to be used at the minimum amount practicable. The de-icing agent for the walkways and building entrances will be kept within the storage rooms located within the buildings. De-icing agents will not be stored outside. All slopes leading to forested and wetland areas shall be inspected and cleaned weekly of all trash and debris.

A&M Project # 1145-08A Issued April 6, 2018 Revised through May 14, 2020

OPERATION & MAINTENANCE PLAN SCHEDULE

Project: Parcel G Distribution Center Development Address: 150 Hayes Memorial Drive Northoborough & Marlborough, MA Party Responsible for O & M Plan: The Gutierrez Company Address: 200 Summit Drive, Suite 400 Burlington, MA 01803 Date:4/6/2018Revised:5/6/2020

Phone: 781-272-7000

Structure or Took	Maintananaa Aativity	Sahadula/Nataa	Annual Maintonanaa Coot	Inspection	Performed
Structure of Task		Schedule/Notes	Annual Maintenance Cost	Date:	By:
Street Sweeping Sweep, power broom or vacuum paved areas.		Sweep paved areas as needed, but not less than four times annually.	\$2.000		
jjjjjjjj		Submit information that confirms that all street sweepings have been disposed in accordance with state	<i> </i>		
		and local requirements			
		Inspect at least twice annually. Clean when sediment is within 2.5 feet of the outlet invert.			
Deep Sump Catch	Vacuum sumos		\$500		
Basins(s)		Submit information that confirms that all catch basin sediments have been disposed in accordance with state and local requirements			
Oil Absorbent Pillows		Pillows shall be inspected a minimum of once per year, and replaced as needed.			
(Or approved equal) (IF REQUIRED)	manufacturer's recommendaiton.	Deteriorated, used or torn pillows shall be properly disposed of, and additional pillows shall be obtianed and installed.	Varies		
Proprietary Stormwater Separator	Vactor trucks or manual cleaning. Clean units in accordance with manufacturers recommendations and requirements. Clam shell not recommended for these units.	Inspect in accordance with manufacturers requirements, but no less than monthly for the first year following installation, and no less than once a year thereafter. Remove sediment and other trapped pollutants at frequency or level specified by manufacturer or when the sediment depth in the chamber reaches 12 inches.	\$2,000		
Storm Water					
Management System					1
	Inspect to ensure it is draining properly. Inspect inlets, outlets and riprap and repair immediately	Perform every other month as well as after every storm event over 1/2". See also note #1 below.			
Surface Basins	Side slopes mowed at least twice during growing season	· · · · , · · · · · · · · · · · · · · ·	\$2,000		
	Inspect system bottoms and remove any accumulated sediment greater than 6 inches	On a semi-annual basis.			
Outlet Control Structure(s)	Vacuum.	Periodic cleaning of Outlet Control Structures as needed.	\$500		
Mosquito Control	CB management targeted larviciding treatment to CB's and all storm drains to control mosquitoes in their aquatic stages.	Surveillance is a non chemical inspection method that involves classification of mosquito breeding sites, larval presents, and survey.	\$100		
Snow Storage	Debris shall be cleared from the site and properly disposed of at the end of the snow season, but shall be cleared no later than May 15.	See Site Plan for appropriate locations. For additional snow storage guidelines see the 2019 MassDEP Snow Disposal Guidance document when determinining snow storage locations.	\$500		

Note #1 - During the first year of operation, all of the BMP's shall be inspected during and after large storm events to ensure they are functioning properly.



Product Data Sheet

Product Number: PIL10

Product Name: Sorbent Pillow (Oil Only)

Item #	Amount	Length	Width	Height	Depth	Weight
PIL10	Up to 40 gallons	-	-	-	-	9 lbs/bale

Dimensions: 3" x 18" x 24"

Description and Application

Ideal for catch basins and sumps. Provides containment and adsorption while repelling water.

Features and Benefits

- Waterproof packaging
- Hydrophobic
- Non-toxic
- Incinerable 11,000 High BTU, .02% Low Ash Content
- 25 x weight adsorption capacity
- Zero trace elements
- 10/cs

Composition

• Meltblown Polypropylene



SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY INFORMATION

PRODUCT NAME:	OIL ONLY ABSORBENT		
PRODUCT USE:	SORBENT MEDIA USED TO ABSORB OIL-BASED CHEMICALS WHICH IN	NCLUDE BUT NOT LIMITED TO	D DIESEL FUEL, OIL, GASOLINE
	AND KEROSENE WHILE REPELLING WATER AND WATER BA	ASED PRODUCTS.	
SPECIFIC PRODUCT TYPE:	ABSORBENT PADS, SOCK, PILLOW, NONWOVEN		
PRODUCT CODE:	ALL BP, Q, ODT, BEP, SSB, BR, BSR,BER, QB, QR, P, EP, SS PIL, BPIL, COT	S, L, R, SR, ER, LR, SLR, (QEP, WD, QL, SW, QSR, QER, BB, B, SAK, PS,
COMPANY INFORMATION:	COMPLETE ENVIRONMENTAL PRODUCTS, INC.	PHONE:	713-921-7900
	3500 PASADENA FREEWAY	FAX:	713-921-9767
	PASADENA TX 77503	EMER:	713-921-7900

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION (GHS-US)

THIS PRODUCT IS NOT DANGEROUS IN ITS UNUSED FORM AND CONTAINS NO HAZARDOUS INGREDIENTS.

NOT CLASSIFIED			
SECTION 3: COMPOSITION/INFORM	MATION ON INGREDIENTS		
MATERIALS	PERCENT	CAS #	
POLYPROPYLENE:	>97%	9003-07-0	
ANTI STATIC AGENT	<0.3%	NONE	
WHITE PIGMENT	< 1%	NONE	
PINK PIGMENT	<1%	NONE	
BLUE PIGMENT	< 1%	NONE	

SECTION 4: FIRST AID MEASURES

NO SPECIAL PROCEDURES REQUIRED

SECTION 5: FIRE AND EXPLOSION HAZARD DATA		
FLASH POINT:	>315 DEGREES CELCIUS (ASTM D93)	
FLAMMABLE LIMITS:	NOT YET DETERMINED	
EXTINGUISHING MEDIA:	WATER, FOAM, CO2, DRY CHEMICAL	
SPECIAL FIRE FIGHTING PROCEDURES:	STANDARD PROCEDURE FOR CLASS A FIRES	
UNUSUAL FIRE AND EXPLOSION HAZARD:	SOME CARBON MONOXIDE UNDER LEAN OXYGEN CONDITIONS	

SECTION 6: ACCIDENTAL RELEASE MEASURES

NO SPECIAL STEPS ARE TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

SECTION 7: HANDLING AND STORAGE

STORE IN DRY AREA. DO NOT STORE NEAR OPEN FLAME, HIGH HEAT OR STRONG OXIDANTS. POLYPROPYLENE, WHEN HEATED, BECOMES VERY STICKY AND WILL BURN. USE SELF-CONTAINED AIR MASK TO ENTER SMOKY AREA IN THE EVENT OF FIRE.

SECTION 8: EXPOSUR CONTROLS/PERSONAL PROTECTIVE EQUIPMENT EXPOSURE LIMITS: OSHA PEL: N/A ACGIH TLV: N/A

RESPIRATORY PROTECTION:
VENTILATION:
PROTECTIVE GLOVES:
EYE PROTECTION:
OTHER PROTECTIVE EQUIPMENT (SPECIFY):

None Required None Required None Required None Required

NONE REQUIRED

ONLY IF MOLTAN

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

WHITE, BLUE
0.04 - 0.06 gram/cc
NO ODOR
0.88 - 0.92
NOT APPLICABLE

BOILING POINT:	NOT APPLICABLE
MELTING POINT:	> 160 DEGREES CELSIUS
SOLUBILITY IN WATER:	INSOLUABLE
PERCENT VOLATILE:	NOT APPLICABLE
EVAPORATION RATE:	NOT APPLICABLE
VAPOR PRESSURE (mm Hg):	NOT APPLICABLE
VAPOR DENSITY (Air = 1):	NOT APPLICABLE
AUTO IGNITION TEMPERATURE	>675 DEGREES FAHRENHEIT

SECTION 10: STABILITY AND REACTIVITY DATA

STABILITY:STABLEINCOMPATIBILITY (conditions to avoid):NONEINCOMPATIBILITY (materials to avoid):NITRIC ACID, PERCHLORIC ACID, SULFURIC ACID OR 98% SULFURIC ACIDHAZARDOUS DECOMPOSITON:WHEN HEATED, IT MAY EMIT TOXICHAZARDOUS POLYMERAZATION:WILL NOT OCCURE

SECTION 11: TOXOCOLOGICAL INFORMATION HEALTH HAZARDS (acute or chronic): SIGNS OR SYSMPTOMS OF EXPOSURE: MEDICAL CONDITIONS GENERRALLY AGGRAVATED BY EXPOSURE: DATE ISSUED: September 14, 2015 PREPARED BY: WORLDWIDE SORBENT PRODUCTS, INC.

SECTION 12 TO SECTION 15 NOT APPLICABLE

SECTION 16: OTHER INFORMATION SDS REVISION DATE: September 1, 2018

NFPA HEALTH HAZARD	: 0 - EXPOSURE UNDER FIRE CONDITIONS WOULD OFFER NO HAZARD BEYOND THAT OF ORDINARY COMBUSTIBLE MATERIALS.	
NFPA FIRE HAZARD	: 1 - MUST BE PREHEATED BEFORE IGNITION CAN OCCUR.	<
NFPA REACTIVITY	: ${f 0}$ - Normally Stable, even under fire exposure conditions, and are	



NONE

NONE

NONE

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WE HEREBY CERTIFY THAT: THIS PLAN IS THE RESULT OF AN ACTUAL ON THE GROUND SURVEY PERFORMED ON OR BETWEEN MARCH 29, 2018 AND DECEMBER 13, 2019. THIS PLAN ACCURATELY DEPICTS THE AS-BUILT CONDITIONS AS THEY EXISTED AT THE TIME OF THE FIELD SURVEY. THE ABOVE IS CERTIFIED TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF. ALLEN & MAJOR ASSOCIATES, INC. LEGEND An 29, 2020 PROFESSIONAL LAND SURVEYOR FOR ALLEN & MAJOR ASSOCIATES, INC. IRON ROD (IR) CONCRETE BOUND SET BY OTHERS CONCRETE BOUND SET IRON PIN SET BY OTHERS IRON PIN SET CONSERVATION RESTRICTION SIGN DRAIN MANHOLE (DMH) SEWER MANHOLE (SMH) ELECTRIC MANHOLE (EMH) MISC. MANHOLE (MH) TELEPHONE MANHOLE (TMH) Ē CATCH BASIN (CB) UTILITY POLE W/RISER FIRE HYDRANT WE HEREBY CERTIFY THAT: WATER GATE THE AS-BUILT INFORMATION SHOWN ON THIS GAS GATE PLAN IS IN CONFORMANCE WITH THE APPROVED SITE PLANS DATED NOVEMBER 14, BOLLARD 2018. CLEANOUT THE ABOVE IS CERTIFIED TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, INVERT (INV) AND BELIEF. FLARED END SECTION ALLEN & MAJOR AS\$OCIATES, INC. LIGHT R TREE SIGN -0- \boxtimes TRANSFORMER DOWNSPOUT \bigcirc WETLAND FLAG ►A31 0*H.H*. HAND HOLE \bigcirc GAS METER PROFESSIONAL ENGINEER FOR HANDICAPPED PARKING SPACE ALLEN & MAJOR ASSOCIATES, INC. PARKING SPACE COUNT (16) * A . A . A CONCRETE)\$Q\$Q RIP-RAP BUILDING WETLAND regerenning, and an and the lines 01/24/20 VARIOUS REVISIONS 1' CONTOUR _____53 ____ REV DATE DESCRIPTION sama and the second s 5' CONTOUR APPLICANT\OWNER: PROPERTY LINE THE GUTIERREZ COMPANY ABUTTERS LINE _____ 200 SUMMIT DRIVE, SUITE 400 -----TOWN LINE BURLINGTON, MA 01803 CONCRETE RETAINING WALL \sim TREE LINE PROJECT: EDGE OF GRAVEL _ __ __ __ __ __ __ __ __ HAYES G DEVELOPMENT EDGE OF WATER **150 HAYES MEMORIAL DRIVE** CURB _____ MARLBOROUGH, MA & CHAIN LINK FENCE ------ X ------NORTHBOROUGH, MA GUARDRAIL WATER LINE SEWER LINE PROJECT NO. 1145-08A DATE: 12/20/19 DRAIN LINE 1" = 40' DWG. NAME: S-1145-08A-AB SCALE: GAS LINE COB/KAC CHECKED BY: ELECTRIC LINE DRAFTED BY: TELEPHONE LINE PREPARED BY OVERHEAD WIRES FINISHED FLOOR ELEVATION FFE BIT. BITUMINOUS CONC. CONCRETE ALLEN & MAJOR GRAN. GRANITE (BC) BOTTOM CENTER ASSOCIATES, INC. REINFORCED CONCRETE PIPE RCP PVC POLYVINYL CHLORIDE PIPE civil engineering \blacklozenge land surveying environmental consulting
landscape architecture DUCTILE IRON PIPE DL www.allenmajor.com HIGH DENSITY POLYETHYLENE PIPE HDPE 100 COMMERCE WAY WOBURN MA 01801-8501 FND FOUND TEL: (781) 935-6889 NOW OR FORMERLY N/F FAX: (781) 935-2896 BOOK BK. WOBURN, MA 🔶 LAKEVILLE, MA 🔶 MANCHESTER, NH PG. PAGE THIS DRAWING HAS BEEN PREPARED IN DIGITAL FORMA CLIENT/CLIENT'S REPRESENTATIVE OR CONSULTANTS MAY B PROVIDED COPIES OF DRAWINGS AND SPECIFICATIONS FOR HIS/HER INFORMATION AND/OR SPECIFIC USE ON THIS PROJECT. DUE TO THE POTENTIAL THAT THE PROVIDED INFORMATION MAY BE MODIFIED UNINTENTIONALLY OR OTHERWISE, ALLEN & MAJOR ASSOCIATES INC. MAY REMOVE ALL INDICATION OF THE DOCUMENT'S AUTHORSHIP ON THE DIGITAL MEDIA. PRINTED REPRESENTATIONS O GRAPHIC SCALE PORTABLE DOCUMENT FORMAT OF THE DRAWINGS AN SPECIFICATIONS ISSUED SHALL BE THE ONLY RECORD COPIES OF ALLEN & MAJOR ASSOCIATES, INC.'S WORK PRODUCT. DRAWING TITLE: SHEET No. (IN FEET) 1 OF 2 AS-BUILT 1 inch = 40 ft. Copyright©2019 Allen & Major Associates, Inc. All Rights Reserved N:\PROJECTS\1145-08A\SURVEY\DRAWINGS\S-1145-08A-AB.DWG



E 185		WE HEREBY CERTIFY THAT: THIS PLAN IS THE RESULT OF AN ACTUAL ON THE GROUND SURVEY PERFORMED ON OR BETWEEN MARCH 29, 2018 AND DECEMBER 13, 2019. THIS PLAN ACCURATELY DEPICTS THE AS-BUILT CONDITIONS AS THEY EXISTED AT THE TIME OF THE FIELD SURVEY. THE ABOVE IS CERTIFIED TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF. ALLEN & MAJOR ASSOCIATES, INC. PROFESSIONAL LAND SURVEYOR FOR ALLEN & MAJOR ASSOCIATES, INC. PROFESSIONAL LAND SURVEYOR FOR ALLEN & MAJOR ASSOCIATES, INC.
93.6. B 181 N/F NORTHBOROUGH LAND		WE HEREBY CERTIFY THAT: THE AS-BUILT INFORMATION SHOWN ON THIS PLAN IS IN CONFORMANCE WITH THE APPROVED SITE PLANS DATED NOVEMBER 14, 2018. THE ABOVE IS CERTIFIED TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION,
REALTY TRUST BK.23107/PG.356		AND BELIEF. ALLEN & MAJOR ASSOCIATES, INC. WILLIAMS CIVIL No.43119 PROFESSIONAL ENGINEER FOR ALLEN & MAJOR ASSOCIATES, INC.
B 173		1.01/24/20VARIOUS REVISIONSREVDATEDESCRIPTION
B 168 B 167 B 167 B 167 B 167 B 166 B 166 B 166		APPLICANT OWNER: THE GUTIERREZ COMPANY 200 SUMMIT DRIVE, SUITE 400 BURLINGTON, MA 01803 PROJECT: HAYES G DEVELOPMENT 150 HAYES MEMORIAL DRIVE MARLBOROUGH, MA & NORTHBOROUGH, MA
59.53' ^B 164 ^B 165 00'56"W ^B 164 ^B 164		PROJECT NO. 1145-08A DATE: 12/20/19
B 16 ² B 163		SCALE: 1" = 40' DWG. NAME: S-1145-08A-AB
		PREPARED BY: ALLEN & MAJOR ALLEN & MAJOR ASSOCIATES, INC. civil engineering • land surveying environmental consulting • landscape architecture w w w . allen m a jor.com 100 COMMERCE WAY WOBURN MA 01801-8501
GRAPHIC SCALE	160	TEL: (781) 935-6889 FAX: (781) 935-2896 WOBURN, MA ◆ LAKEVILLE, MA ◆ MANCHESTER, NH THIS DRAWING HAS BEEN PREPARED IN DIGITAL FORMAT. CLIENT/CLIENT'S REPRESENTATIVE OR CONSULTANTS MAY BE PROVIDED COPIES OF DRAWINGS AND SPECIFICATIONS FOR HIS/HER INFORMATION AND/OR SPECIFIC USE ON THIS PROJECT. DUE TO THE POTENTIAL THAT THE PROVIDED INFORMATION MAY BE MODIFIED UNINTENTIONALLY OR OTHERWISE, ALLEN & MAJOR ASSOCIATES, INC. MAY REMOVE ALL INDICATION OF THE DOCUMENT'S AUTHORSHIP ON THE DIGITAL MEDIA. PRINTED REPRESENTATIONS OR PORTABLE DOCUMENT FORMAT OF THE DRAWINGS AND SPECIFICATIONS ISSUED SHALL BE THE ONLY RECORD COPIES OF ALLEN & MAJOR ASSOCIATES, INC.'S WORK PRODUCT. DRAWING TITLE-
(IN FEET) 1 inch = 40 ft.		AS-BUILT 2 OF 2
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