

Arlington Reservoir Phase 2 Site Improvements - Addendum No. 1 Bid #21-16 1 March 2021

#### ADDENDUM NO. 1

#### \*All Bidders must Acknowledge Addendum No.1 in their Bid.

#### Changes to Plans:

Landscape Plan Sheet L2.2A:

• In the legend on sheet L2.2A, Decorative Steel Fence it is incorrectly labeled as Add Alternate #3, should be changed to Add Alternate #6.

#### Electrical Plan Sheet E1.1:

Replace with revised E1.1 dated February 26, 2021. Revision reflects the fact that the Existing Building Renovation project (Bid #20-51) currently underway) will pull power from the panel to the exterior of both structures and stub the line. The awarded Contractor will not be required to pull power from the building in the Site Improvements project (Bid #21-16).
<u>Note</u>: Revised plan included herein.

#### Specifications:

Table of Contents:

• Appendix A – Town of Arlington Conservation Commission Order of Conditions, dated February 9, 2021.

<u>Note</u>: The two Order of Conditions were coordinated between both Town agencies. Arlington Order of Conditions is included herein. Lexington Order of Conditions will be submitted when received.

Front End Instructions to Bidders:

• 14.0 COMMENCEMENT & COMPLETION OF WORK shall read "The successful bidder, upon completion of the Contract Agreement, shall commence the work of the Contract within seven (7) calendar days from receipt of written Notice to Proceed issued by the Owner within fourteen (14) calendar days after said execution of the Contract Agreement and shall therefore diligently and continuously carry on the work in such manner as to substantially complete the work on or before May 31, 2022 except as noted herein."

Specification Section 01 11 00 – Summary of Work:

• 01 11 00 – 1.3(A)12. shall read "Add Alternates 1 through 7".

Specification Section 01 23 00 – Alternates:

• 01 23 00 – 1.5(F)1. shall read "Sheet L2.2A, details 4, 5, and 6 on Sheet LD1.9."



#### Attachments:

- a. Pre-Bid Site Walk Sign-in List, from February 23, 2021
- b. Responses to Bidder Questions, dated March 1, 2021
- c. Arlington Order of Conditions, dated February 9, 2021
- d. Electrical plan, Sheet E1.1, Revised February 26, 2021
- e. CAD Release form

Arlington Reservoir Phase 2 Site Improvements Bid #21-16 Mandatory Site Walk, Tuesday February 23, 2021, 11 A.M.

	Company name	Contact person	Email	Phone	Pre- registered?
1	Kerd	Danielle Deslet didekentezedien 1013	Addekeylezech.co	(Pi1) 451 +	×
2.	HOVEN CONTRACTING	MIKE DYNIGLAS	mdeuclassr @ Smail com (978) 246 - 3577	(278) 206 - 2677	*
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4.	rec aiuil		estimating LEC-	617 466 9175	A
5.	JJ CARDOSI	BRIAN ROSS	BRIAN, ROSS @ JJCARDOSI, OUM	1486 88 Clat	7
6.	GEORGE L. CARRIST Sous Inc.	Wichaer Welsere	ESTIMATING @ CCALENSINGER	603-421.1488	J Late
7.	JU Phelon		orfice e i johr know	1805 318 2081	)
°õ	MAS Building : Bridge		gmagee @ mas building and bridge.com	208-520-22777	
9.	Sunce Eco Contraction	Milee Lundster Mundsted Suncered (03 831-3779	mlundstadesunceed	(03 83/3173	7
10.	5	Pare Luretta Durettabuce. 1-781 249. 7538	DLurethosuce. (1)	SES2 - 64 7- 122	)
11.	Morthern Coust Sor J.	William Viveira-	Wriverros C	781-340 9440 XZUJ	1
12.	DAVID 6. ROACH + SONS, INC.	CHUCIC SKORRY	CHTUCK. SKEWRY E Rotton Sitewick, com	945-257-550	>
13.	Y PRO WORKS INI.	CHESS SELVER	HARDWURK, LIARIS	401-463-9133	7



#### Arlington Reservoir Phase 2 Site Improvements Bid #21-16 1 March 2021

#### **Bidder Questions**

- Could we get the CAD files for the project? Response: If you would like the CAD files, please sign, and return the attached CAD release form. Once received, KZLA will send a link to download the CAD files.
- I see that you have specified Ultra Base out of Florida for the above project Snap Court Products. Will you accept an or equal? Response: Ultra Base is the basis of design for the porous multi-use court system included in Add Alternate #3. As a public project, substitutions equal to the product specified will be considered, but the Contractor must provide documentation on the substitution for review.
- 3. We understand that the Town maintains control of the water levels in the Reservoir. Can we anticipate that the water levels will be drawn down after the beach season in 2021? Response: Yes, the Town anticipates raising the water level in advance of the beach season (June 15-August 21), and drawing down the water levels close to the current levels after the 2021 beach season has ended. The draw down and raising of the water levels takes approximately 1-2 weeks depending on rainfall. Draw down must be completed over time to avoid flood areas downstream of the Res.
- 4. We want to bid on the project but would not be able to start until June. Is this a problem? Response: The winning Contractor can start the project at their convenience, but the project must reach Substantial Completion by December 31, 201 and Final Completion prior to May 31, 2022.

The winning Contractor is responsible for coordination of the new concrete patio at the renovated Bathhouse/Concessions Building prior to the start of beach season June 15, 2021 so that the building's facilities are universally accessible.

- 5. Can a construction/installation subset of a corporation who was involved in the design work of the project as a sub-consultant, be considered as a sub-contractor for the project? Response: The Town has determined that there is no conflict of interest.
- See Section 31 11 00 Part 3.4.E.1. Please indicate if the second herbicide application (occurring in the succeeding autumn) is to occur in 2021 or following Final Completion in autumn 2022.

Response: All work is to be completed by May 31, 2022.

 Please indicate if all invasive species located within the limit of work are to be controlled or just those identified within the invasive species polygons from Sheets L1.1 – L1.5 of the construction drawings.



Response: Only those species identified within the polygons or directly called out are to be removed. For example, there are several notations for shrubs on the sheets L1.1-L1.5 that are identified as Massachusetts invasive species which are to be removed. These are notated with a symbol labeled in the legend as "Remove Invasive Tree or Shrub (size, DBH)".

#### 8. Please clarify the location of the Ornamental fence for Alt #6.

Response: The Ornamental fence for Add Alternate #6 is shown and called out on sheet L2.2A. The fence runs along the west side (reservoir side) of the play space only. It is shown on the plan, and in the legend. However, in the legend on sheet L2.2A (Decorative Steel Fence) it is incorrectly labeled as Add Alternate #3.

9. Please clarify the quantity of Hexagonal Benches. It is unclear if the bench between sheets L2.1 and L2.2 is new or existing.

Response: There are two (2) hexagonal benches included in this project. There are currently no hexagonal benches on site.

**10.** Please clarify the contents of the Trail head Kiosk. Will there be a customer supplied graphic or is it going to be a "bulletin case"?

Response: The Owner will be responsible for supplying the graphics to be installed in the Trailhead Kiosk.

11. Regarding details 2 and 3 on Sheet LD1.2. Is it to be assumed that the 6" Black Locust Log will be required at air spading locations?

Response: The black locust log will be required in locations where the trail is elevated above its current grade to cover and protect the roots of trees. The black locust log is to provide an edge for the new trail surface material.

12. Would a composite replacement for the Black Locust timbers on sheet L2.2A be acceptable?

Response: No, the design intent is to keep the play area as naturalistic as possible.

- 13. Sheet 1.0 shows 8 areas in red which indicate they are Type A Restoration areas. However, on Sheet 2.0, only 4 areas are shown in red as Areas of Concern. Are we to treat the areas not shown on Sheet 2.0, but shown in red on Sheet 1.0 as also Type A Restoration Areas? Response: Only the areas shown in the enlargements on Bank Restoration Sheet 2.0 are to be included in this project. Sheet 1.0 is shown as reference for locations to be treated per Sheet 2.0.
- 14. Is it possible to access the site from the Lexington side through Rindge park? Doing so would greatly reduce time transporting brush, fill, and stone dust along with minimizing stress on the bridges around the reservoir.

Response: Rindge Park is owned and maintained by the Town of Lexington. We do not have authorization to access the site from this location.



**15.** Can the Contractor work with the town's engineer to steel plate the bridges to increase the maximum load?

Response: The Contractor can contact the bridge fabrication for additional information: Steadfast Bridges of Fort Payne, Alabama, 800-749-7515. See image on the following page of the plaque posted on each bridge on site.

16. Would the town DPW be willing to take any of the gravel, sand, or concrete that we need to R&D?

Response: Arlington DPW will not accept any of the materials that are to be disposed of.

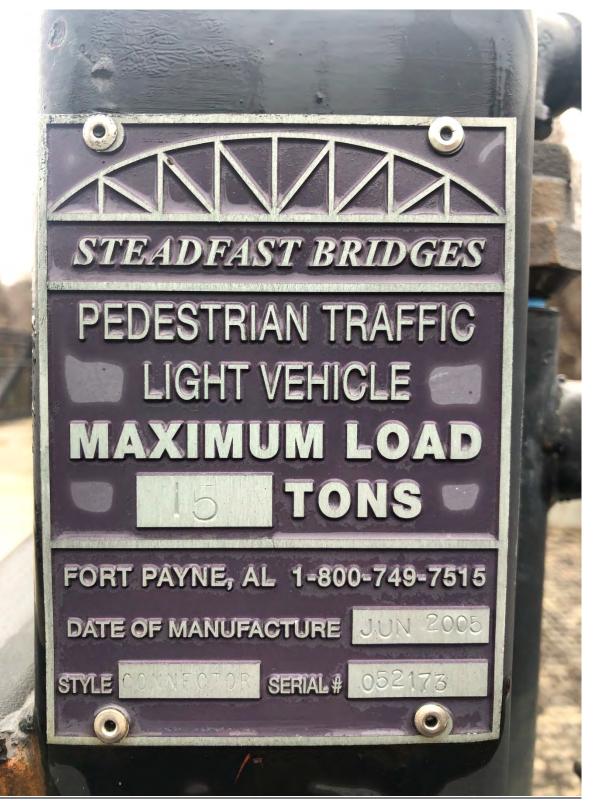
17. Is there any time date on when the bank restoration work and path need to be completed vs. rest of the job? We understand playground area and parking lot cannot be done during beach season.

Response: See response to question 13. All work is to be completed by May 31, 2022.

18. I cannot find a spec for the coir fiber rolls for the bank stabilization work other than what is shown on the drawing (3.0 and 4.0). Can you indicate for both the 12" and the 16" diameter coir fiber rolls whether they are to be 7 lb. or 9 lb. density? Response: The 12" coir log should be 7 lb. The 16" coir log should be 9 lb. density to allow more time for the shelf to establish and build up root mass.

\*All Bidders must Acknowledge Addendum No.1 in their Bid.

# kzla





# WPA Form 5 – Order of Conditions

Provided by MassDEP:

MassDEP File # 091-0327 eDEP Transaction # Arlington City/Town

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

A. General Information

Please note: this form has	1	From:	Arlington						
been modified		TOTII.	Conservation Commission						
with added space to accommodate		This issua (check or	ance is for ne):	Orde	er of Cond	itions b. 🗌 Amer	nded Order	of Conditions	
the Registry of Deeds Requirements	3	То: Арр	olicant:						
		Joseph				Connelly			
Important:		a. First N				b. Last Name			
When filling			n Park & Recreation C	ommiss					
out forms on		c. Organi							
the computer,		-	mmer Street						
use only the		d. Mailing							
tab key to		Arlingto				MA		02474	
move your cursor - do		e. City/To	own			f. State		g. Zip Code	
not use the return key.	4.	Property	Owner (if different from	applica	int):				
tab		a. First N	ame			b. Last Name			
return		c. Organi	zation						
<u> </u>		d. Mailing	Address						
		e. City/To	wn			f. State		g. Zip Code	
	5. I	Project Lo	ocation:						
		Arlingto	n Reservoir- 210 Lowe	Il Street		Arlington/Lexington	on		
		a. Street	Address			b. City/Town			
		Map 61				Lot 4			
		c. Assess	ors Map/Plat Number			d. Parcel/Lot Number			
		Latitude	and Longitude, if know	wn.	42d42m8	333s	71d18m659s		
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## Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

# A. General Information (cont.)

6. Property recorded at the Registry of Deeds for (attach additional information if more than one parcel):

	Middlese	x South		
	a. County		b. Certificate Number (if re	egistered land)
	01		01	
	c. Book		d. Page	
7.	Dates:	12/03/2020 a. Date Notice of Intent Filed	01/21/2021 b. Date Public Hearing Closed	02/09/2021 c. Date of Issuance

8. Final Approved Plans and Other Documents (attach additional plan or document references as needed):

ao neodou).	
Arlington Reservoir- Phase 2 NOI and Plan	
a. Plan Title	
Kyle Zick Landscape Archietecture, Inc.	Kyle Zick, RLA #1163
b. Prepared By	c. Signed and Stamped by
12/30/2020	1"=40'
d. Final Revision Date	e. Scale
See Attached	Various
f. Additional Plan or Document Title	g. Date

# **B.** Findings

1. Findings pursuant to the Massachusetts Wetlands Protection Act:

Following the review of the above-referenced Notice of Intent and based on the information provided in this application and presented at the public hearing, this Commission finds that the areas in which work is proposed is significant to the following interests of the Wetlands Protection Act (the Act). Check all that apply:

a.	Public Water Supply	b.	Land Containing Shellfish	C.	Prevention of Pollution
d.	Private Water Supply	e.	Fisheries f	f.	Protection of Wildlife Habitat
g.	Groundwater Supply	h.	Storm Damage Prevention i	i.	Flood Control

2. This Commission hereby finds the project, as proposed, is: (check one of the following boxes)

#### Approved subject to:

a. A the following conditions which are necessary in accordance with the performance standards set forth in the wetlands regulations. This Commission orders that all work shall be performed in accordance with the Notice of Intent referenced above, the following General Conditions, and any other special conditions attached to this Order. To the extent that the following conditions modify or differ from the plans, specifications, or other proposals submitted with the Notice of Intent, these conditions shall control.



Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands WPA Form 5 – Order of Conditions

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

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# B. Findings (cont.)

#### Denied because:

- b. I the proposed work cannot be conditioned to meet the performance standards set forth in the wetland regulations. Therefore, work on this project may not go forward unless and until a new Notice of Intent is submitted which provides measures which are adequate to protect the interests of the Act, and a final Order of Conditions is issued. A description of the performance standards which the proposed work cannot meet is attached to this Order.
- c. I the information submitted by the applicant is not sufficient to describe the site, the work, or the effect of the work on the interests identified in the Wetlands Protection Act. Therefore, work on this project may not go forward unless and until a revised Notice of Intent is submitted which provides sufficient information and includes measures which are adequate to protect the Act's interests, and a final Order of Conditions is issued. A description of the specific information which is lacking and why it is necessary is attached to this Order as per 310 CMR 10.05(6)(c).
- 3. Buffer Zone Impacts: Shortest distance between limit of project disturbance and the wetland resource area specified in 310 CMR 10.02(1)(a)

Inland Resource Area Impacts: Check all that apply below. (For Approvals Only)

Resource Area	Proposed Alteration	Permitted Alteration	Proposed Replacement	Permitted Replacement
4. 🛛 Bank	~2,000 a. linear feet	~2,000 b. linear feet	c. linear feet	d. linear feet
5. Derived Bordering Vegetated Wetlar	id a. square feet	b. square feet	c. square feet	d. square feet
6. Land Under Waterbodies and Waterways	a. square feet	b. square feet	c. square feet	d. square feet
	e. c/y dredged	f. c/y dredged		
7. 🔲 Bordering Land				
Subject to Flooding	a. square feet	b. square feet	c. square feet	d. square feet
Cubic Feet Flood Storag	e. cubic feet	f. cubic feet	g. cubic feet	h. cubic feet
8. 🔲 Isolated Land				
Subject to Flooding	a. square feet	b. square feet		
Cubic Feet Flood Storag	e c. cubic feet	d. cubic feet	e. cubic feet	f. cubic feet
9. 🕅 Riverfront Area	30,000	30,000		
	a. total sq. feet	b. total sq. feet		
Sq ft within 100 ft	c. square feet	d. square feet	e. square feet	f. square feet
Sq ft between 100-				
200 ft	g. square feet	h. square feet	i. square feet	j. square feet



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Provided by MassDEP:

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

# B. Findings (cont.)

**Coastal Resource Area Impacts:** Check all that apply below. (For Approvals Only)

		Proposed Alteration	Permitted Alteration	Proposed Replacement	Permitted Replacement
10.	Areas	Indicate size un	ider Land Under	the Ocean, belo	w
11.	Land Under the Ocean	a. square feet	b. square feet		
		c. c/y dredged	d. c/y dredged		
12.	Barrier Beaches	below	ider Coastal Bea	aches and/or Coa	istal Dunes
13.	Coastal Beaches	a. square feet	b. square feet	cu yd c. nourishment	cu yd d. nourishment
14.	Coastal Dunes	a. square feet	b. square feet	cu yd c. nourishment	cu yd d. nourishment
15.	Coastal Banks	a. linear feet	b. linear feet		
16.	Rocky Intertidal Shores	a. square feet	b. square feet		
17.	Salt Marshes	a. square feet	b. square feet	c. square feet	d. square feet
18.	Land Under Salt Ponds	a. square feet	b. square feet		
		c. c/y dredged	d. c/y dredged		
19.	Land Containing Shellfish	a. square feet	b. square feet	c. square feet	d. square feet
20.	☐ Fish Runs		/or inland Land	nks, Inland Bank, Under Waterbodi	
		a. c/y dredged	b. c/y dredged		
21.	Land Subject to Coastal Storm Flowage	a. square feet	b. square feet		
, 22.	Riverfront Area				
<i>LL</i> .	_	a. total sq. feet	b. total sq. feet		
	Sq ft within 100 ft	c. square feet	d. square feet	e. square feet	f. square feet
	Sq ft between 100- 200 ft	g. square feet	h. square feet	i. square feet	j. square feet



\* #23. If the

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

WPA Form 5 – Order of Conditions Massachusetts Wetlands Protection Act M.G.L. c. 131, §40 Provided by MassDEP:

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# B. Findings (cont.)

project is for the purpose of restoring or enhancing a wetland in addition to the square footage that has been entered in Section B.5.c (BVW) or B.17.c (Salt Marsh) above, 1 please enter the additional

23. Restoration/Enhancement \*:

a. square feet of BVW

resource area 24. Stream Crossing(s):

b. square feet of salt marsh

a. number of new stream crossings

b. number of replacement stream crossings

# C. General Conditions Under Massachusetts Wetlands Protection Act

#### The following conditions are only applicable to Approved projects.

- 1. Failure to comply with all conditions stated herein, and with all related statutes and other regulatory measures, shall be deemed cause to revoke or modify this Order.
- amount here. 2. The Order does not grant any property rights or any exclusive privileges; it does not authorize any injury to private property or invasion of private rights.
  - 3. This Order does not relieve the permittee or any other person of the necessity of complying with all other applicable federal, state, or local statutes, ordinances, bylaws, or regulations.
  - 4. The work authorized hereunder shall be completed within three years from the date of this Order unless either of the following apply:
    - a. The work is a maintenance dredging project as provided for in the Act; or
    - b. The time for completion has been extended to a specified date more than three years, but less than five years, from the date of issuance. If this Order is intended to be valid for more than three years, the extension date and the special circumstances warranting the extended time period are set forth as a special condition in this Order.
    - c. If the work is for a Test Project, this Order of Conditions shall be valid for no more than one year.
  - 5. This Order may be extended by the issuing authority for one or more periods of up to three years each upon application to the issuing authority at least 30 days prior to the expiration date of the Order. An Order of Conditions for a Test Project may be extended for one additional year only upon written application by the applicant, subject to the provisions of 310 CMR 10.05(11)(f).
  - 6. If this Order constitutes an Amended Order of Conditions, this Amended Order of Conditions does not extend the issuance date of the original Final Order of Conditions and the Order will expire on <u>02/09/2026</u> unless extended in writing by the Department.
  - 7. Any fill used in connection with this project shall be clean fill. Any fill shall contain no trash, refuse, rubbish, or debris, including but not limited to lumber, bricks, plaster, wire, lath, paper, cardboard, pipe, tires, ashes, refrigerators, motor vehicles, or parts of any of the foregoing.



#### Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands WPA Form 5 – Order of Conditions

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

Provided by MassDEP:

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#### C. General Conditions Under Massachusetts Wetlands Protection Act

- 8. This Order is not final until all administrative appeal periods from this Order have elapsed, or if such an appeal has been taken, until all proceedings before the Department have been completed.
- 9. No work shall be undertaken until the Order has become final and then has been recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, the Final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land upon which the proposed work is to be done. In the case of the registered land, the Final Order shall also be noted on the Land Court Certificate of Title of the owner of the land upon which the proposed work is done. The recording information shall be submitted to the Conservation Commission on the form at the end of this Order, which form must be stamped by the Registry of Deeds, prior to the commencement of work.
- 10. A sign shall be displayed at the site not less then two square feet or more than three square feet in size bearing the words,

"Massachusetts Department of Environmental Protection" [or, "MassDEP"]

"File Number 091-0327

- 11. Where the Department of Environmental Protection is requested to issue a Superseding Order, the Conservation Commission shall be a party to all agency proceedings and hearings before MassDEP.
- 12. Upon completion of the work described herein, the applicant shall submit a Request for Certificate of Compliance (WPA Form 8A) to the Conservation Commission.
- 13. The work shall conform to the plans and special conditions referenced in this order.
- 14. Any change to the plans identified in Condition #13 above shall require the applicant to inquire of the Conservation Commission in writing whether the change is significant enough to require the filing of a new Notice of Intent.
- 15. The Agent or members of the Conservation Commission and the Department of Environmental Protection shall have the right to enter and inspect the area subject to this Order at reasonable hours to evaluate compliance with the conditions stated in this Order, and may require the submittal of any data deemed necessary by the Conservation Commission or Department for that evaluation.
- 16. This Order of Conditions shall apply to any successor in interest or successor in control of the property subject to this Order and to any contractor or other person performing work conditioned by this Order.



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#### C. General Conditions Under Massachusetts Wetlands Protection Act (cont.)

- 17. Prior to the start of work, and if the project involves work adjacent to a Bordering Vegetated Wetland, the boundary of the wetland in the vicinity of the proposed work area shall be marked by wooden stakes or flagging. Once in place, the wetland boundary markers shall be maintained until a Certificate of Compliance has been issued by the Conservation Commission.
- 18. All sedimentation barriers shall be maintained in good repair until all disturbed areas have been fully stabilized with vegetation or other means. At no time shall sediments be deposited in a wetland or water body. During construction, the applicant or his/her designee shall inspect the erosion controls on a daily basis and shall remove accumulated sediments as needed. The applicant shall immediately control any erosion problems that occur at the site and shall also immediately notify the Conservation Commission, which reserves the right to require additional erosion and/or damage prevention controls it may deem necessary. Sedimentation barriers shall serve as the limit of work unless another limit of work line has been approved by this Order.
- 19. The work associated with this Order (the "Project")

(1) is subject to the Massachusetts Stormwater Standards

(2) is NOT subject to the Massachusetts Stormwater Standards

# If the work is subject to the Stormwater Standards, then the project is subject to the following conditions:

a) All work, including site preparation, land disturbance, construction and redevelopment, shall be implemented in accordance with the construction period pollution prevention and erosion and sedimentation control plan and, if applicable, the Stormwater Pollution Prevention Plan required by the National Pollution Discharge Elimination System Construction General Permit as required by Stormwater Condition 8. Construction period erosion, sedimentation and pollution control measures and best management practices (BMPs) shall remain in place until the site is fully stabilized.

b) No stormwater runoff may be discharged to the post-construction stormwater BMPs unless and until a Registered Professional Engineer provides a Certification that: *i.* all construction period BMPs have been removed or will be removed by a date certain specified in the Certification. For any construction period BMPs intended to be converted to post construction operation for stormwater attenuation, recharge, and/or treatment, the conversion is allowed by the MassDEP Stormwater Handbook BMP specifications and that the BMP has been properly cleaned or prepared for post construction operation, including removal of all construction period sediment trapped in inlet and outlet control structures; *ii.* as-built final construction BMP plans are included, signed and stamped by a Registered Professional Engineer, certifying the site is fully stabilized;

*iii.* any illicit discharges to the stormwater management system have been removed, as per the requirements of Stormwater Standard 10;



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#### C. General Conditions Under Massachusetts Wetlands Protection Act (cont.)

*iv.* all post-construction stormwater BMPs are installed in accordance with the plans (including all planting plans) approved by the issuing authority, and have been inspected to ensure that they are not damaged and that they are in proper working condition;

*v.* any vegetation associated with post-construction BMPs is suitably established to withstand erosion.

c) The landowner is responsible for BMP maintenance until the issuing authority is notified that another party has legally assumed responsibility for BMP maintenance. Prior to requesting a Certificate of Compliance, or Partial Certificate of Compliance, the responsible party (defined in General Condition 18(e)) shall execute and submit to the issuing authority an Operation and Maintenance Compliance Statement ("O&M Statement) for the Stormwater BMPs identifying the party responsible for implementing the stormwater BMP Operation and Maintenance Plan ("O&M Plan") and certifying the following:

i.) the O&M Plan is complete and will be implemented upon receipt of the Certificate of Compliance, and

ii.) the future responsible parties shall be notified in writing of their ongoing legal responsibility to operate and maintain the stormwater management BMPs and implement the Stormwater Pollution Prevention Plan.

d) Post-construction pollution prevention and source control shall be implemented in accordance with the long-term pollution prevention plan section of the approved Stormwater Report and, if applicable, the Stormwater Pollution Prevention Plan required by the National Pollution Discharge Elimination System Multi-Sector General Permit.

e) Unless and until another party accepts responsibility, the landowner, or owner of any drainage easement, assumes responsibility for maintaining each BMP. To overcome this presumption, the landowner of the property must submit to the issuing authority a legally binding agreement of record, acceptable to the issuing authority, evidencing that another entity has accepted responsibility for maintaining the BMP, and that the proposed responsible party shall be treated as a permittee for purposes of implementing the requirements of Conditions 18(f) through 18(k) with respect to that BMP. Any failure of the proposed responsible party to implement the requirements of Conditions 18(f) through 18(k) with respect to that BMP shall be a violation of the Order of Conditions or Certificate of Compliance. In the case of stormwater BMPs that are serving more than one lot, the legally binding agreement shall also identify the lots that will be serviced by the stormwater BMPs. A plan and easement deed that grants the responsible party access to perform the required operation and maintenance must be submitted along with the legally binding agreement.

f) The responsible party shall operate and maintain all stormwater BMPs in accordance with the design plans, the O&M Plan, and the requirements of the Massachusetts Stormwater Handbook.



Provided by MassDEP:

Bureau of Resource Protection - Wetlands

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#### C. General Conditions Under Massachusetts Wetlands Protection Act (cont.)

- g) The responsible party shall:
  - 1. Maintain an operation and maintenance log for the last three (3) consecutive calendar years of inspections, repairs, maintenance and/or replacement of the stormwater management system or any part thereof, and disposal (for disposal the log shall indicate the type of material and the disposal location);
  - 2. Make the maintenance log available to MassDEP and the Conservation Commission ("Commission") upon request; and
  - 3. Allow members and agents of the MassDEP and the Commission to enter and inspect the site to evaluate and ensure that the responsible party is in compliance with the requirements for each BMP established in the O&M Plan approved by the issuing authority.

h) All sediment or other contaminants removed from stormwater BMPs shall be disposed of in accordance with all applicable federal, state, and local laws and regulations.

i) Illicit discharges to the stormwater management system as defined in 310 CMR 10.04 are prohibited.

j) The stormwater management system approved in the Order of Conditions shall not be changed without the prior written approval of the issuing authority.

k) Areas designated as qualifying pervious areas for the purpose of the Low Impact Site Design Credit (as defined in the MassDEP Stormwater Handbook, Volume 3, Chapter 1, Low Impact Development Site Design Credits) shall not be altered without the prior written approval of the issuing authority.

I) Access for maintenance, repair, and/or replacement of BMPs shall not be withheld. Any fencing constructed around stormwater BMPs shall include access gates and shall be at least six inches above grade to allow for wildlife passage.

Special Conditions (if you need more space for additional conditions, please attach a text document):

See Attached Findings and Conditions

20. For Test Projects subject to 310 CMR 10.05(11), the applicant shall also implement the monitoring plan and the restoration plan submitted with the Notice of Intent. If the conservation commission or Department determines that the Test Project threatens the public health, safety or the environment, the applicant shall implement the removal plan submitted with the Notice of Intent or modify the project as directed by the conservation commission or the Department.



WPA Form 5 – Order of Conditions

Provided by MassDEP:

MassDEP File # 091-0327 eDEP Transaction # Arlington City/Town

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

# D. Findings Under Municipal Wetlands Bylaw or Ordinance

- 1. Is a municipal wetlands bylaw or ordinance applicable? 🛛 Yes 🗌 No
- 2. The Arlington hereby finds (check one that applies): Conservation Commission
  - a. I that the proposed work cannot be conditioned to meet the standards set forth in a municipal ordinance or bylaw, specifically:

1. Municipal Ordinance or Bylaw

2. Citation

Therefore, work on this project may not go forward unless and until a revised Notice of Intent is submitted which provides measures which are adequate to meet these standards, and a final Order of Conditions is issued.

b. A that the following additional conditions are necessary to comply with a municipal ordinance or bylaw:

Arlington Bylaw for Wetlands Protection	Title V, Art 8
1. Municipal Ordinance or Bylaw	2. Citation

3. The Commission orders that all work shall be performed in accordance with the following conditions and with the Notice of Intent referenced above. To the extent that the following conditions modify or differ from the plans, specifications, or other proposals submitted with the Notice of Intent, the conditions shall control.

The special conditions relating to municipal ordinance or bylaw are as follows (if you need more space for additional conditions, attach a text document): See Attached Findings and Conditions



# WPA Form 5 – Order of Conditions

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

#### Provided by MassDEP: 091-0327-MassDEP File #

**eDEP** Transaction # City/Town

# E. Signatures

This Order is valid for three years, unless otherwise specified as a special condition pursuant to General Conditions #4, from the date of issuance.

Please indicate the number of members who will sign this form. This Order must be signed by a majority of the Conservation Commission.

02/09 2 1. Date of Issuance 4

2. Number of Signers

The Order must be mailed by certified mail (return receipt requested) or hand delivered to the applicant. A copy also must be mailed or hand delivered at the same time to the appropriate Department of Environmental Protection Regional Office, if not filing electronically, and the property owner, if different from applicant.

Chapnick Chappnick SUSAN Printed Name Signature Signature Signature **Printed Name** David Kaplar Signature Printed Name Printed Name Signature Printed Name Signature Printed Name Signature **Printed Name** Signature by hand delivery on by certified mail, return receipt requested, on 021 691 2 02 Date Date

4



WPA Form 5 – Order of Conditions

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

Provided by MassDEP:

MassDEP File #	
091-0327	
eDEP Transaction #	
Arlington	
City/Town	

# G. Recording Information

Prior to commencement of work, this Order of Conditions must be recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, the Final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land subject to the Order. In the case of registered land, this Order shall also be noted on the Land Court Certificate of Title of the owner of the land subject to the Order of Conditions. The recording information on this page shall be submitted to the Conservation Commission listed below.

Arlington		
Conservation Commission		
Detach on dotted line, have stamped by the Regis Commission.	-	
To:	······	
Arlington		
Conservation Commission		· · · · · · · · · · · · · · · · · · ·
Please be advised that the Order of Conditions for	or the Project at:	
Arlington Reservoir- 210 Lowell Street	091-0327	
Project Location	MassDEP File Num	iber
Has been recorded at the Registry of Deeds of:		
Middlesex South		
County	Book	Page
for: Property Owner		
and has been noted in the chain of title of the aff	ected property in:	
Book	Page	
In accordance with the Order of Conditions issue	d on:	
Date	· · · · ·	
If recorded land, the instrument number identifyir	ng this transaction i	s.
	ig the transaction i	
Instrument Number		
If registered land, the document number identifyi	ng this transaction	is:
<b>5</b> ,	5	
Document Number		
Signature of Applicant		
Signature of Applicant		

#### ARLINGTON CONSERVATION COMMISSION APPROVAL ORDER OF CONDITIONS ARLINGTON RESERVOIR PHASE 2 DEP FILE NO. 091-0327

#### **Documents Reviewed**

- 1. Arlington Reservoir Renovation Project Phase 2 NOI, prepared by SWCA, dated December 3, 2020.
- 2. Arlington Reservoir Phase 2 NOI Plan Set, prepared Kyle Zick Landscape Architecture Inc, stamped by Kyle Zick RLA# 1163, dated November 13, 2020.
- 3. Arlington Reservoir Phase 2 Stormwater Management Report, prepared by Woodard & Curran, stamped by Denise L Cameron PE# 56348, dated October 2020.
- 4. Arlington Reservoir Supplemental Memo from KZLA, prepared by Kyle Zick Landscape Architecture Inc, dated December 30, 2020.
- 5. Arlington Reservoir Supplemental Memo from SWCA, prepared by SWCA Environmental Consultants, dated December 31, 2020.
- 6. Arlington Reservoir Phase 2 Revised Stormwater Management Report, prepared by Woodard & Curran, stamped by Denise L Cameron PE# 56348, dated October 2020, updated December 2020.
- 7. Arlington Reservoir Revised Parking Lot Plans, prepared by Woodard & Curran, stamped by Denise L Cameron PE# 56348, dated November 2020, revised December 30, 2020.
- 8. Arlington Reservoir Revised Tree Landscaping Plans, prepared by Kyle Zick Landscape Architecture Inc, stamped by Kyle Zick RLA# 1163, dated December 19, 2020, revised December 30, 2020.

#### Proceedings

The Conservation Commission held public hearings on the Notice of Intent on December 17, 2020, January 7, 2021, and January 21, 2021. The Commission closed the hearing on January 21, 2021, deliberated and voted 6-0, with 1 member absent, to approve the Project with conditions under the Wetlands Protection Act (the "Act") and voted 6-0, with 1 member absent, to approve the Project with conditions under the Arlington Wetlands Protection Bylaw (the "Bylaw"). The Commission approved a 5-year permit for this project.

#### Findings of Fact and Law under Arlington Wetlands Protection Bylaw and Wetlands Protection Act

- This project as approved consists of the second phase of implementation of the Arlington Reservoir Master Plan and includes the following activities: parking area and stormwater improvements; improvements to existing pathways to make them accessible under the Americans with Disabilities Act (ADA); renovation and addition of new recreational facilities; shoreline bank stabilization; and upland habitat restoration and invasive species removal. Proposed project work is within the 100-ft Wetlands Buffer and Inland Bank area of the Arlington Reservoir.
- 2. The Project site contains approximately 2,000 linear feet of impact and 2,000 linear feet of proposed replacement of Bank.
- 3. The following Resource Areas are present on the site or within 100 feet of the project limit of work: Land Under Waterbodies and Waterways (Act), Bank (Act), Buffer Zone (Act) to Bank, Adjacent Upland Resource Area (Bylaw), Bordering Land Subject to Flooding (Act), and 100 Year Flood Zone (Act).

#### ARLINGTON CONSERVATION COMMISSION APPROVAL ORDER OF CONDITIONS ARLINGTON RESERVOIR PHASE 2

#### DEP FILE NO. 091-0327

Proposed project work is limited to within the 100-ft Wetlands Buffer and Inland Bank area of the Arlington Reservoir. The Commission finds accurate the delineation of Resource Areas shown on the approved Site Plan.

- 4. Flood zone volume and grading will be the same upon project completion as it was during preconstruction conditions, so compensatory storage is not required. No volume will be added within the flood zone.
- 5. The Project as approved is subject to the Massachusetts Stormwater Standards.

#### Conclusion

Based on the testimony at the public hearings, and review of the application materials and the documents listed above submitted during the public hearings, the Commission concludes that the proposed Project as conditioned will not have significant or cumulative effects upon the interests of the Resource Area values of the Massachusetts Wetlands Protection Act and the Arlington Bylaw for Wetlands Protection when the conditions imposed herein are implemented to protect the Resource Area values. With these conditions contained, the Project meets the performance standards in the Act and Bylaw and implementing regulations.

For the foregoing reasons, the Commission approves this project under the Act and Bylaw with the conditions stated herein the applications for work at 210 Lowell Street, the Arlington Reservoir.

#### **Additional Special Conditions**

In addition to the General Conditions (numbered 1 - 20 above), the Project is subject to the following Additional Special Conditions (under both the Act and Bylaw):

#### I. PRE-CONSTRUCTION

- 21. Work permitted by this Order and Permit shall conform to the Notice of Intent, the approved plans and documents (listed above), and oral representations (as recorded in hearing minutes) submitted or made by the Applicant and the Applicant's agents or representatives, as well as any plans and other data, information or representations submitted per these Conditions and approved by the Commission.
- 22. The provisions of this Order and Permit shall apply to and be binding upon the Applicant and Applicant's assignees, tenants, property management company, employees, contractors, and agents.
- 23. No work shall begin under this Order until: (a) all other required permits or approvals have been obtained and (b) the appeal period of ten (10) business days from the date of issue of this Order has expired without any appeal being filed, and (c) this Order has been recorded in the Registry of Deeds. No work shall be started under this Permit until all other necessary permits or approvals have been obtained.
- 24. The Applicant shall ensure that a copy of this Order of Conditions and Permit for work, with any referenced plans, is available on site at all times, and that all contractors, site managers, foremen, and sub-contractors understand its provisions.
- 25. This permit and its conditions, and the referenced and approved site plans listed in this permit shall be included in all relevant bid materials.

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#### ARLINGTON CONSERVATION COMMISSION APPROVAL ORDER OF CONDITIONS ARLINGTON RESERVOIR PHASE 2 DEP FILE NO. 091-0327

- 26. Prior to starting work, the Applicant shall submit the following information in writing to the Conservation Agent:
  - a) a signed statement by the general contractor that they have received, read and understand the Order of Conditions and that they and their sub-contractors agree to fully comply with the Order;
  - b) the names, addresses, and day and night numbers of the project supervisor/manager, the project engineer, erosion control monitor, and the landscape architect who will be responsible for ensuring on-site compliance with this Order, and
  - c) a construction schedule, broken down into construction phases if applicable, detailing the sequence of work, specifically timelines when site specific tasks will be implemented and final stabilization and plantings will be completed
- 27. Before work begins, erosion and sediment controls shall be installed at the limits of the work area. These will include a minimum 12 inch compost filter sock around the entire work area (hay bales are not allowed).
- 28. The contractor shall contact the Conservation Agent (concomm@town.arlington.ma.us ; 781-316-3012) to arrange for a pre-construction meeting with the onsite project manager to walk through the Order of Conditions and walk the site to confirm the installation and placement of erosion controls prior to the start of any grading or construction work. Planting monitoring plots will also be identified during this pre-construction meeting. This pre-construction meeting shall be a joint meeting with an Arlington and Lexington Conservation Commission representative.
- 29. The contractor shall provide written Notice of the work start date to the Conservation Agent 48 hours prior to start of work.
- 30. The Commission, its employees, and its agents shall have the right of entry onto the site to inspect for compliance with the terms of this Order of Conditions and Permit until a Certificate of Compliance has been issued.

#### **II. POST-CONSTRUCTION**

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- 31. The Applicant shall submit an annual post-construction monitoring plan assessing bank restoration that includes performance measures and remedial measures as necessary for the duration of the permit.
- 32. When requesting a Certificate of Compliance, the Applicant shall provide a written statement by a registered landscape architect certifying substantial compliance with the plans and setting forth what deviation, if any, exists from the plans approved in the Order shall accompany the request for a Certificate of Compliance; the Applicant shall also provide at that time as-built plans stamped by such a professional.

#### **III. DURING CONSTRUCTION**

#### Dumpsters

33. No dumpsters shall be allowed within the 100 foot Buffer Zone or Adjacent Upland Resource Areas ("AURA") or other Resource Areas.

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#### ARLINGTON CONSERVATION COMMISSION

#### APPROVAL ORDER OF CONDITIONS ARLINGTON RESERVOIR PHASE 2

#### DEP FILE NO. 091-0327

#### Stockpiling

34. No uncovered stockpiling of materials shall be permitted within the 100 foot Buffer Zone or Adjacent Upland Resource Areas ("AURA") or other Resource Areas.

#### **Erosion Control**

- 35. Areas that are disturbed by construction and access activities shall as soon as possible be brought to final grade and reseeded and restabilized, and shall be done so prior to the removal of erosion control barriers.
- 36. Erosion control measures shall be installed per the approved plans.

#### Equipment

37. No heavy equipment may be stored overnight within 50 feet of resource areas and no refueling or maintenance of machinery shall be allowed within the 100-foot Buffer Zone, Adjacent Upland Resource Area, or within any Resource Area.

#### Sweeping

38. Any dirt or debris spilled or tracked onto any paved streets shall be swept up and removed daily.

#### Dewatering

- 39. Any dewatering operations shall conform to the following:
  - (a) Notify the Conservation Commission that dewatering is required.
  - (b) Any catch basins, drains, and outfalls to be used in dewatering operations shall be cleaned out before operations begin.
  - (c) Any water discharged as part of any dewatering operation shall be passed through filters, onsite settling basins, settling tank trucks, or other devices to ensure that no observable sediments or pollutants are carried into any Resource Area, street, drain, or adjacent property.
  - (d) Measures shall be taken to ensure that no erosion or scouring shall occur on public or private property, or on the banks or bottoms of water bodies, as a result of dewatering operations.

#### Plantings

- 40. All mitigation plantings and all plantings within resource areas and the buffer zone shall be native and be installed and maintained according to the standards of the American Association of Nurserymen (AAN). No cultivars of native plantings shall be allowed. This shall be a continuing condition that survives the expiration of this permit /Order and shall be included in any Certificate of Compliance as a continuing condition in perpetuity.
- 41. The Applicant is permitted to use the invasive plant management strategies outlined in the SWCA Memo dated 12/31/2020 (Document #5 above) for invasive plant management control. The Applicant shall hire a licensed herbicide applicator with at least 3 years of experience. For the woody plants, the Applicant shall apply a stem cut application with the immediate wipe or wick application of the herbicide to the cut stems. A dye added to the herbicide mix may be used to show which stems have been treated. For the herbaceous plants, the Applicant shall apply a glove-wipe application (e.g. on swallowwort, reed canary grass). The Applicant shall apply a controlled spray application for several species such as the Phragmites, Japanese knotweed, and multiflora rose. The Applicant shall not use Glyphosate for treatment, but shall use alternative herbicides such as Garlon, Milestone, Clearcast.

# ARLINGTON CONSERVATION COMMISSION APPROVAL ORDER OF CONDITIONS ARLINGTON RESERVOIR PHASE 2

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- 42. All plantings planted and invasive species removed through this project shall be monitored for three years. A survival rate of at least 90% must be maintained for the approved plantings at the end of the third monitoring year. If there is less than a 90% survival rate of the plantings after the third year, the Applicant must submit recommendations for replacements to the Conservation Agent for approval. . Monitoring reports shall describe, using narratives, plans, and color photographs, the physical characteristics of the restoration area as well as the upstream and downstream banks with respect to stability, soil characteristics, survival of vegetation and plant mortality, aerial extent and distribution, species diversity and vertical stratification (i.e. herb, shrub and tree layers). A total of three monitoring reports shall be prepared to provide spring, summer and fall data. The data shall be provided in a monitoring report to the Commission no later than November 30th for the growing season.
- 43. Restoration construction activities must be supervised by a Registered Landscape Architect who shall be approved by the Conservation Commission and be a professional with experience in wetland replication, wetland hydrology, and a working knowledge of botany. Such a person shall be retained to supervise and monitor construction of the wetland restoration area until the restoration area meets the requirements of the Order of Conditions.
- 44. The Applicant shall protect all area trees per the Town Wetlands Protection Regulations, Section 24 Vegetation Removal and Replacement, protecting trees through securing (not nailing) 2x4 boards, between 6-8 feet in length, around tree base. The boards shall be installed vertically such that one end is installed directly into the ground. Alternative protection measures must be approved by the Commission or its agent.

#### Chemicals

45. To avoid adding excess nitrogen runoff, the Applicant shall only treat the planted areas within the Commission's jurisdiction with slow release nitrogen fertilizer. Application of this fertilizer cannot occur in the summer, or after storm events. Lawn fertilizer shall only be applied twice a year, in spring and fall. The application of plant nutrients shall otherwise comply with 330 CMR 31.00. No other herbicides or treatment methods are approved unless otherwise noted in this order (see Condition #41). New plantings shall only be fertilized once, during the initial planting year. No pesticides or rodenticides shall be used to treat pest management issues within the 100-ft wetlands buffer, AURA, or other resource areas without prior notification to and review by the Conservation Agent. This shall be a continuing condition that survives the expiration of this permit /Order and shall be included in any Certificate of Compliance as a continuing condition in perpetuity.

#### Pervious Surfaces

46. Pervious surfaces shown on the project plans shall be maintained and not be replaced by impervious surfaces. This shall be a continuing condition that survives the expiration of this permit /Order and shall be included in any Certificate of Compliance as a continuing condition in perpetuity.

#### Mitigation

47. All mitigation as proposed as part of this project shall remain in perpetuity. The approved planting areas, invasive removal areas, the rain gardens, and the stormwater system shall remain in perpetuity and if replacement is necessary, shall be subject to the approval of the Commission. **This shall be a** 

#### ARLINGTON CONSERVATION COMMISSION

#### APPROVAL ORDER OF CONDITIONS ARLINGTON RESERVOIR PHASE 2

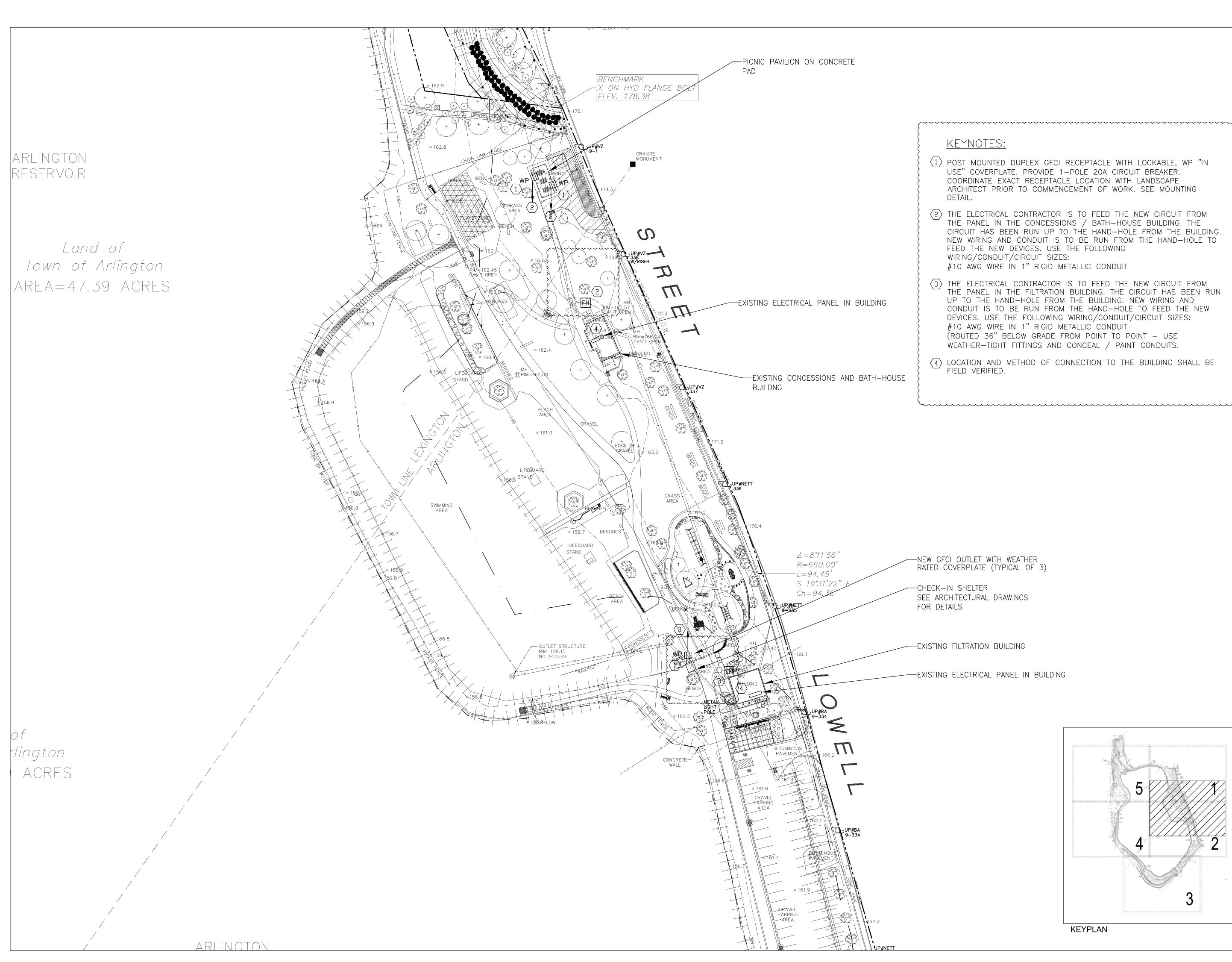
#### DEP FILE NO. 091-0327

continuing condition that survives the expiration of this permit /Order and shall be included in any Certificate of Compliance as a continuing condition in perpetuity.

#### Stormwater

- 48. The Applicant shall submit copies of the SWPPP inspection reports to the Conservation Agent within 10 days of the date of each report.
- 49. The project Landscape Architect or Professional Engineer shall be on site during construction of the porous surfaces to oversee their installations and to certify the full permeability of the porous surfaces. The project Landscape Architect or Professional Engineer shall inspect all aspects of the porous sub-bases and surfaces material during installation so that they can certify, for the Request for Certificate of Compliance, that the porous surfaces were installed in accordance with the approved plan.
- 50. No snow storage is permitted in the parking lot. This shall be a continuing condition that survives the expiration of this permit /Order and shall be included in any Certificate of Compliance as a continuing condition in perpetuity.
- 51. The Applicant shall protect all adjacent catch basins using silt socks.

52. The Applicant shall conduct catch basin sump cleanings at the end of the project work period.



# ARLINGTON **RESERVOIR -**PHASE 2 ARLINGTON, MASSACHUSETTS TOWN OF ARLINGTON CONSULTING ENGINEERING 235 Littleton Road Suite 5 Westford, Massachusetts 01886 Tel: (978) 443 7888 02.26.21 ELEC. REVISIONS NO. DATE REVISION kzla Kyle Zick Landscape Architecture, Inc. 36 Bromfield Street Suite 202 617 451-1018 Tel Boston, MA 02108 www.kylezick.com 100% CONSTRUCTION DOCUMENT SET Job Number: 60286 Project: ARLINGTON RES. Drawn By: AP/RB Checked By: AP Date: FEBRUARY 04, 2021 Scale: 1"=40'-0" Drawing Title: ELECTRICAL POWER SITE PLAN

KEYPLAN

E1.1

WEATHER-TIGHT FITTINGS AND CONCEAL / PAINT CONDUITS.

(1) post mounted duplex GFCI receptacle with lockable, wp "in USE" COVERPLATE. PROVIDE 1-POLE 20A CIRCUIT BREAKER. COORDINATE EXACT RECEPTACLE LOCATION WITH LANDSCAPE ARCHITECT PRIOR TO COMMENCEMENT OF WORK. SEE MOUNTING

 $\langle 2 \rangle$  The electrical contractor is to feed the New Circuit from the panel in the concessions / bath-house building. The

CIRCUIT HAS BEEN RUN UP TO THE HAND-HOLE FROM THE BUILDING. NEW WIRING AND CONDUIT IS TO BE RUN FROM THE HAND-HOLE TO FEED THE NEW DEVICES. USE THE FOLLOWING

#10 AWG WIRE IN 1" RIGID METALLIC CONDUIT

 $\langle 3 \rangle$  The electrical contractor is to feed the New Circuit from the panel in the filtration building. The circuit has been run UP TO THE HAND-HOLE FROM THE BUILDING. NEW WIRING AND CONDUIT IS TO BE RUN FROM THE HAND-HOLE TO FEED THE NEW

DEVICES. USE THE FOLLOWING WIRING/CONDUIT/CIRCUIT SIZES:

#10 AWG WIRE IN 1" RIGID METALLIC CONDUIT "(ROUTED 36" BELOW GRADE FROM POINT TO POINT - USE

 $\langle 4 \rangle$  location and method of connection to the building shall be field verified.

#### RELEASE FOR USE OF ELECTRONIC FORMAT DOCUMENTS

- 1. The Recipient agrees to use the Documents solely to implement the contract scope of work required for the Project.
- 3. Any alteration of these Documents, unless specifically approved by KZLA, shall relieve KZLA of any liability arising out of any use made of or representation contained in the altered Documents.
- 4. The Recipient accepts the documents "as is". It is Recipient's obligation to verify information received electronically with the original contract drawings and documents.

The undersigned acknowledges all terms and conditions as set forth herein. [RECIPIENT'S NAME] [DATE]