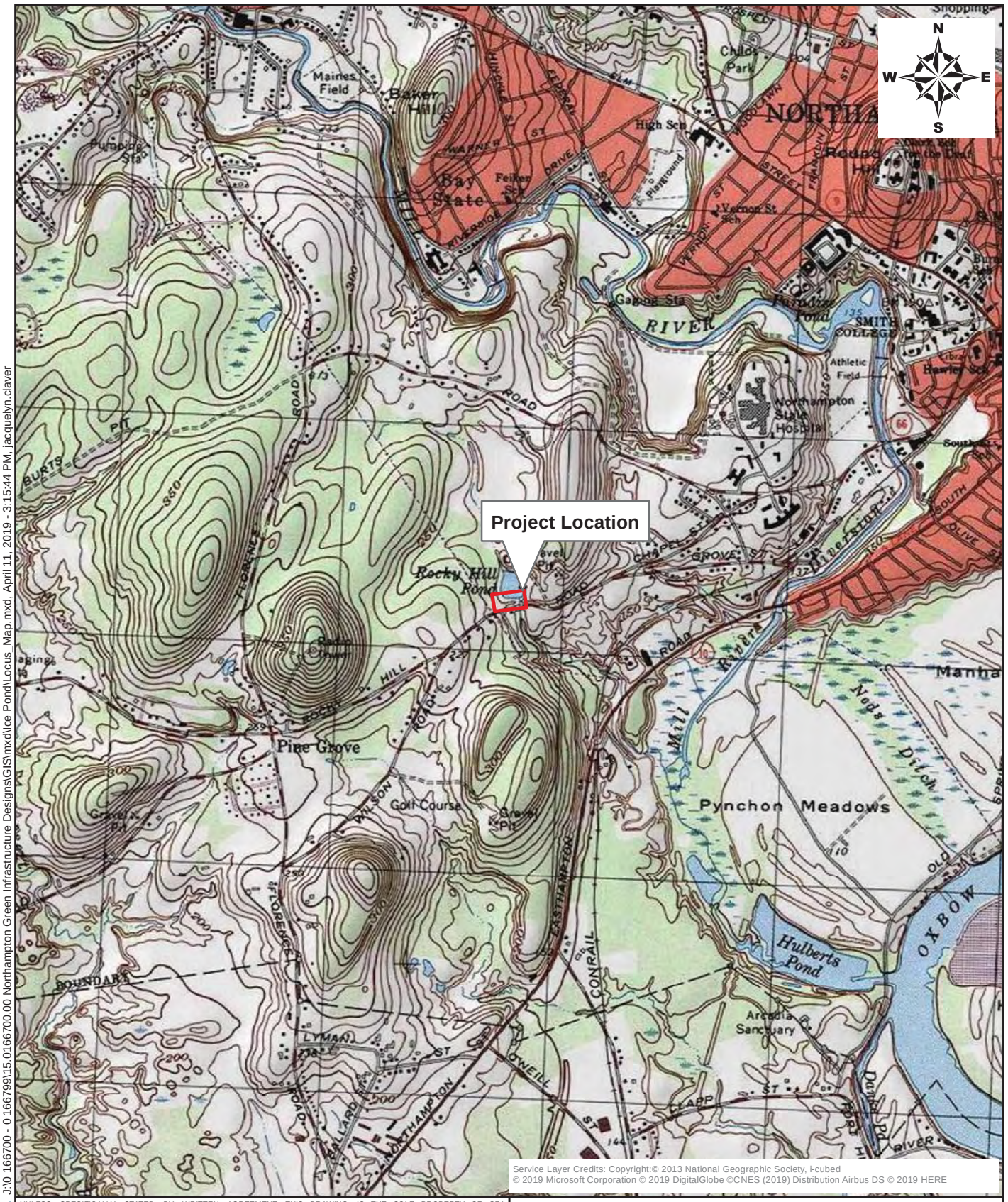

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0 1,000 2,000 4,000

SCALE IN FEET

ICE POND RESILIENCY IMPROVEMENTS
ROCKY HILL ROAD (RTE. 66)
NORTHAMPTON, MA

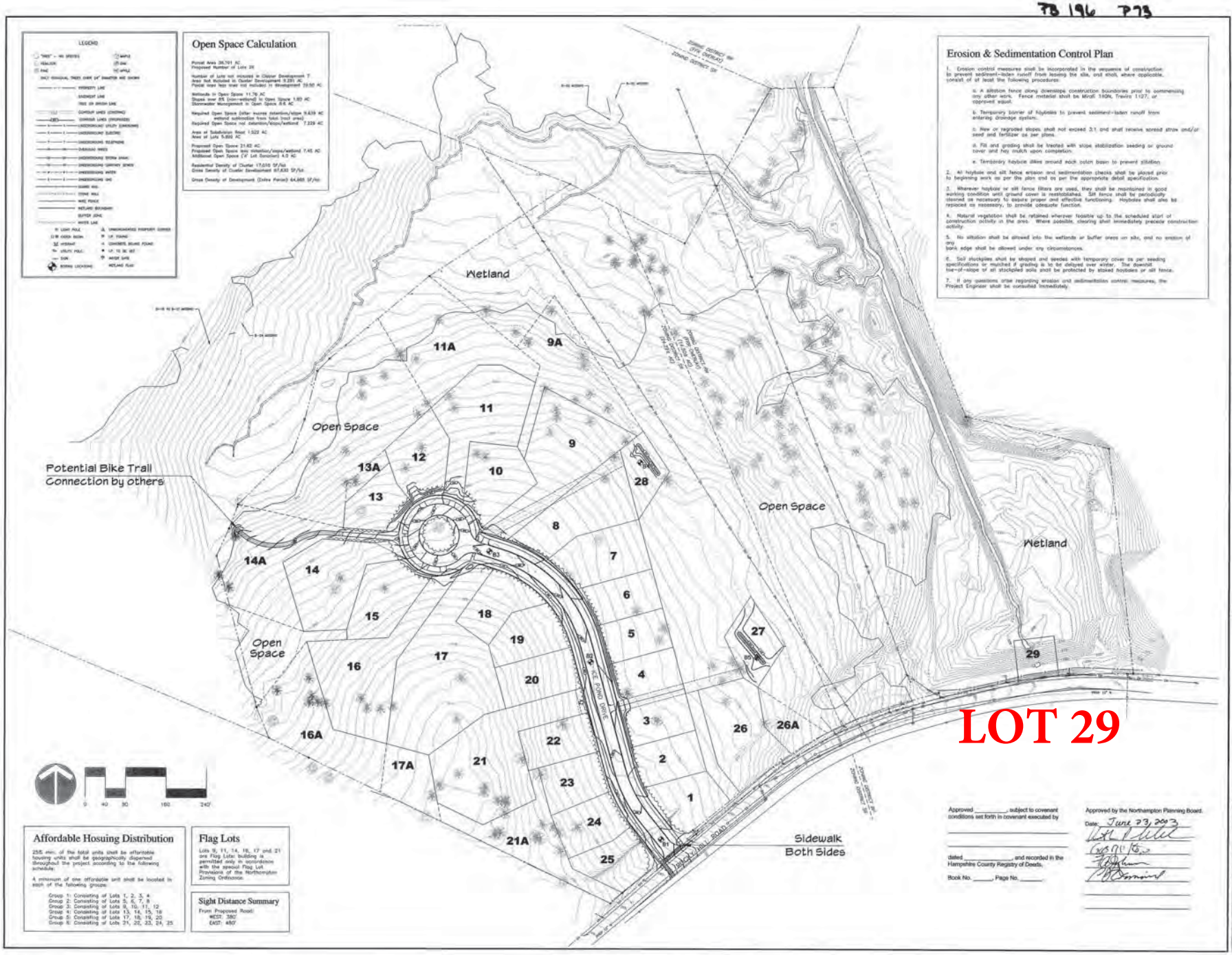
LOCUS MAP

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
CITY OF NORTHAMPTON
210 MAIN STREET,
NORTHAMPTON, MA 01060

PROJ MGR: RFS	REVIEWED BY: TEJ	CHECKED BY: DMN	FIGURE
DESIGNED BY: JRC	DRAWN BY: JRC	SCALE: 1 in = 2,000 ft	1
DATE: 07/12/2019	PROJECT NO: 15.0166700.00	REVISION NO:	

© 2019 - GZA GeoEnvironmental, Inc. J:\0 166700 - 0 166799\15.0166700.00 Northampton Green Infrastructure Designs\GIS\mxd\Ice Pond\Locus_Map.mxd, April 11, 2019 - 3:15:44 PM, jacquelyn.claver



The Berkshire Design Group, Inc.
Landscape Architecture
Civil Engineering
Planning
Urban Design
Environmental Design
4 Allen Place, Northampton, Massachusetts 01060
(413) 582-7000 • FAX (413) 582-7005
Email: bdg@berkshiredesign.com
Web: http://www.berkshiredesign.com

COMMONWEALTH OF MASSACHUSETTS
MARK B. DARNOLD
CIVIL
No. 8945
REGISTERED PROFESSIONAL ENGINEER

This drawing is not intended nor shall it be used for construction purposes unless the signed professional seal of a registered landscape architect or civil engineer employed by The Berkshire Design Group, Inc. is affixed above.

Definitive Plan

ICE POND

Residential Subdivision

Northampton, Massachusetts

Applicant
The Community Builders, Inc.
322 Main Street
Springfield, MA 01105

Owner
Hospital Hill Development, LLC
95 Berkeley Street
Boston, MA 02116

Overall Plan

Revisions
5/21/03

Date:	December 16, 2002
Scale:	1"=80'
Drawn By:	GJV
Checked By:	MBD
Sheet Number:	L2

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MEMA-DCR Grant Sub-Application
Hazard Mitigation Grant Program (HMGP)
HMGP-4372-MA
HMGP-4379-MA

Ice Pond Resiliency Improvements

Northampton, Massachusetts

Damages to Rocky Hill Road (State Route 66) caused by uncontrolled overflow from Ice Pond
April 16, 2007
Photo credit: Northampton DPW

July 12, 2019

Sub-Applicant:

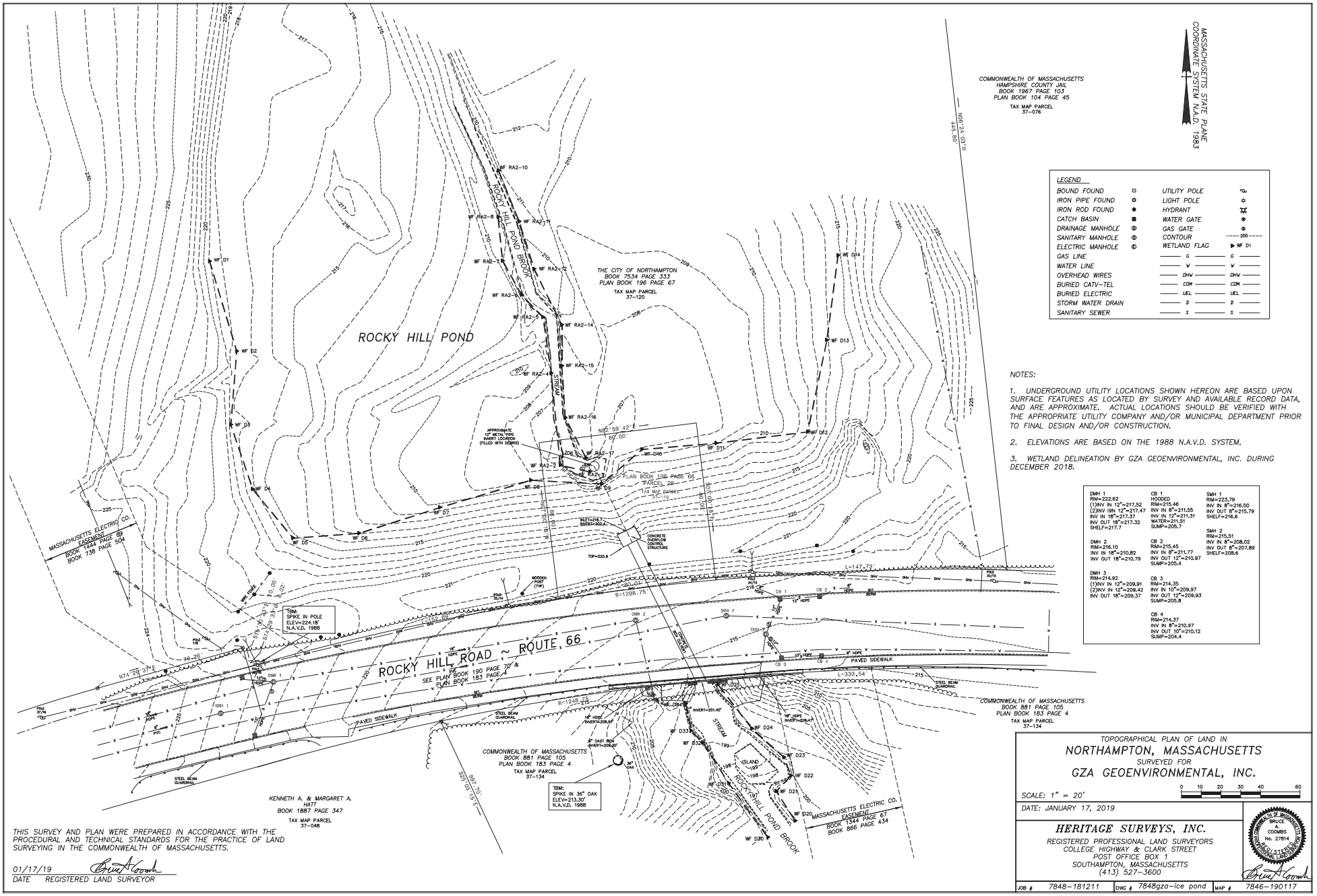
City of Northampton, MA
Office of Planning & Sustainability
210 Main Street, Room 11
Northampton, Massachusetts 01060

GZA GeoEnvironmental, Inc.
1350 Main Street, Suite 1400 | Springfield, MA 01103
413.726.2100

31 Offices Nationwide
www.gza.com

Photo 3. *Rocky Hill Pond Brook as it enters the Ice Pond's low-level outlet, showing excessive accumulations at the debris rack two days following overtopping of embankment and damages to Rocky Hill Road (April 18, 2007; NDPW)*

Photo 4. *Damages to Rocky Hill Road following embankment overtopping at Ice Pond (April 16, 2007; NDPW)*



LEGEND

BOUND FOUND	⊡	UTILITY POLE	○
IRON PIPE FOUND	○	LIGHT POLE	☼
IRON ROD FOUND	●	HYDRANT	
CATCH BASIN	■	WATER GATE	⊗
DRAINAGE MANHOLE	Ⓓ	GAS GATE	⊗
SANITARY MANHOLE	Ⓢ	CONTOUR	200
ELECTRIC MANHOLE	Ⓔ	WETLAND FLAG	▶ WF D1
GAS LINE	G	G	
WATER LINE	W	W	
OVERHEAD WIRES	OHW	OHW	
BURIED CATV-TEL	CDM	CDM	
BURIED ELECTRIC	UEL	UEL	
STORM WATER DRAIN	D	D	
SANITARY SEWER	S	S	

NOTES:

1. *UNDERGROUND UTILITY LOCATIONS SHOWN HEREON ARE BASED UPON SURFACE FEATURES AS LOCATED BY SURVEY AND AVAILABLE RECORD DATA, AND ARE APPROXIMATE. ACTUAL LOCATIONS SHOULD BE VERIFIED WITH THE APPROPRIATE UTILITY COMPANY AND/OR MUNICIPAL DEPARTMENT PRIOR TO FINAL DESIGN AND/OR CONSTRUCTION.*
2. *ELEVATIONS ARE BASED ON THE 1988 N.A.V.D. SYSTEM.*
3. *WETLAND DELINEATION BY GZA GEOENVIRONMENTAL, INC. DURING DECEMBER 2018.*

DMH 1 RIM=222.62 (1)INV IN 12"=217.52 (2)INV IRN 12"=217.47 INV IN 18"=217.37 INV OUT 18"=217.32 SHELF=217.7	CB 1 HOODED RIM=215.46 INV IN 8"=211.55 INV IN 12"=211.31 WATER=211.51 SUMP=205.7	SMH 1 RIM=223.79 INV IN 8"=216.00 INV OUT 8"=215.79 SHELF=216.6
DMH 2 RIM=216.10 INV IN 18"=210.82 INV OUT 18"=210.79	CB 2 RIM=215.45 INV IN 8"=211.77 INV OUT 12"=210.97 SUMP=205.4	SMH 2 RIM=215.51 INV IN 8"=208.02 INV OUT 8"=207.89 SHELF=208.6
DMH 3 RIM=214.92 (1)INV IN 12"=209.91 (2)INV IN 12"=209.42 INV OUT 18"=209.37	CB 3 RIM=214.35 INV IN 10"=209.97 INV OUT 12"=209.93 SUMP=205.8	
	CB 4 RIM=214.37 INV IN 8"=210.97 INV OUT 10"=210.12 SUMP=204.4	

THIS SURVEY AND PLAN WERE PREPARED IN ACCORDANCE WITH THE PROCEDURAL AND TECHNICAL STANDARDS FOR THE PRACTICE OF LAND SURVEYING IN THE COMMONWEALTH OF MASSACHUSETTS.

01/17/19 *Bruce A. Coombs*
DATE REGISTERED LAND SURVEYOR

TOPOGRAPHICAL PLAN OF LAND IN
NORTHAMPTON, MASSACHUSETTS
SURVEYED FOR
GZA GEOENVIRONMENTAL, INC.

SCALE: 1" = 20' (0 10 20 30 40 60)

DATE: JANUARY 17, 2019

HERITAGE SURVEYS, INC.
REGISTERED PROFESSIONAL LAND SURVEYORS
COLLEGE HIGHWAY & CLARK STREET
POST OFFICE BOX 1
SOUTHAMPTON, MASSACHUSETTS
(413) 527-3600

COMMONWEALTH OF MASSACHUSETTS BRUCE A. COOMBS No. 27814 REGISTERED LAND SURVEYOR

Bruce A. Coombs

JOB # 7848-181211 | DWG # 7848gza-ice pond | MAP # 7846-190117