



**US Army Corps  
of Engineers®**  
New England District  
**696 Virginia Road  
Concord, MA 01742-2751**

# PUBLIC NOTICE

**Comment Period Begins: June 15, 2021**  
**Comment Period Ends: July 15, 2021**  
**File Number: NAE-2021-0356**  
**In Reply Refer To: Paul Sneeringer**  
**Phone: (978) 318-8491**  
**E-mail: paul.j.sneeringer@usace.army.mil**

The District Engineer has received a permit application to discharge dredged and/or fill material into waters of the United States from Ms. Maria Rose, Environmental Engineer, City of Newton Department of Public Works, 1000 Commonwealth Avenue, Newton Centre, Massachusetts. Based upon this application, the project area includes the City Hall Ponds, as well as the Cold Springs and Hammond Brook culverts (upgradient tributaries) at 1000 Commonwealth Avenue, Newton Centre, Massachusetts. The site coordinates are centered at: Latitude 42.33730° N, Longitude -71.20746° W.

This project involves grading and the discharge of dredged and/or fill material into approximately **1.0** acres of the City Hall Ponds, as part of the City Hall Ponds Sediment Removal Project. City Hall Ponds is a single in-river impoundment located on Laundry Brook. The purpose for this project is to remove 4 to 6 feet of accumulated sediment from the pond to re-establish the pond capacity and to maintain aesthetic and passive recreational values of the pond.

The City of Newton proposes to dewater the pond using bypass pumps so that the sediment removal operations can be done “in the dry”. Standard earth-moving equipment, such as excavators and bulldozers, will be used to remove the accumulated sediments, to stockpile materials for further dewatering, and/or to load materials onto dump trucks. The City will utilize three 12-foot wide construction accessways into City Hall Ponds. They plan to utilize temporary construction mats and temporary gravel/crush stone fills, where necessary. These construction accessways will be restored post-construction. The City proposes to remove approximately **3,270** cubic yards of accumulated sediment from the City Hall Ponds and an additional **330** cubic yards from the upgradient Cold Springs and Hammond Brook culverts. All removed sediment will be permanently disposed at a City-owned off-site upland disposal area.

The work is shown on the enclosed plans entitled “City Halls Ponds Maintenance Dredging Project, Newton Centre, Massachusetts,” on a total of nine sheets, and dated “October 2020” and revised “12/20”.

The City of Newton has designed the City Hall Ponds Sediment Removal Project to minimize permanent impacts to waters of the United States.

## **AUTHORITY**

Permits are required pursuant to:

- Section 10 of the Rivers and Harbors Act of 1899
- XX   Section 404 of the Clean Water Act
- Section 103 of the Marine Protection, Research and Sanctuaries Act.

**CENAE-R**  
**FILE NO. NAE-2021-0356**

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers, New England District (USACE), is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. The USACE will consider all comments received to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972, as amended.

**NATIONAL HISTORIC PRESERVATION ACT**

Based on his initial review, the District Engineer has determined that the proposed work may impact properties listed in, or eligible for listing in, the National Register of Historic Places. Additional review and consultation to fulfil requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the permit review process.

**ENDANGERED SPECIES CONSULTATION**

The USACE is reviewing the application for the potential impact on Federally-listed threatened or endangered species and their designated critical habitat pursuant to section 7 of the Endangered Species Act as amended. Our review will be concluded prior to the final decision.

**OTHER GOVERNMENT AUTHORIZATIONS**

The following authorizations have been applied for, or have been, or will be obtained:

- ( ) Permit, license, or assent from State.
- (XX) Permit from local wetland agency or conservation commission.
- (XX) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

**COMMENTS**

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. Comments should be submitted in writing by the above date. If you have any questions, please contact Paul Sneeringer at (978) 318-8491, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The USACE holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

**THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.**

*Paul Maniccia*

**Paul M. Maniccia**  
**Chief, Permits and Enforcement Branch**  
**Regulatory Division**

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If you would prefer not to continue receiving Public Notices by email, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at [bettina.m.chaisson@usace.army.mil](mailto:bettina.m.chaisson@usace.army.mil).

# CITY HALL PONDS MAINTENANCE DREDGING PROJECT

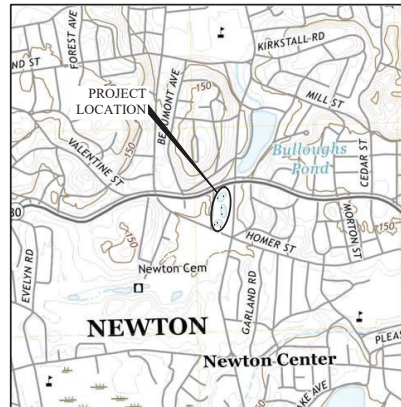
## NEWTON CENTRE, MASSACHUSETTS

December, 2020

### SECTION 404 DRAWING SET

#### DRAWING LIST:

- COVER SHEET
- C-1 EXISTING CONDITIONS
- C-2 EXISTING POND BOTTOM CONTOURS AND SEDIMENT SAMPLING LOCATIONS
- C-3 ESTIMATED BOTTOM OF SEDIMENT CONTOURS
- C-4 REPRESENTATIVE POND CROSS SECTIONS
- C-5 POND PROFILES
- C-6 EROSION AND SEDIMENT CONTROL & CONTROL OF WATER PLAN
- C-7 POND RESTORATION
- C-8 CULVERT CLEANING PLAN AND DETAILS



N  
LOCUS PLAN  
CITY HALL PONDS  
NEWTON, MASSACHUSETTS  
U.S.G.S. Newton Quad  
1" = 2000'

CITY OF NEWTON  
DEPARTMENT OF PUBLIC WORKS

RUTHANNE FULLER, MAYOR  
JAMES MCGONAGLE, COMMISSIONER OF PUBLIC WORKS



**PRELIMINARY  
NOT FOR CONSTRUCTION**

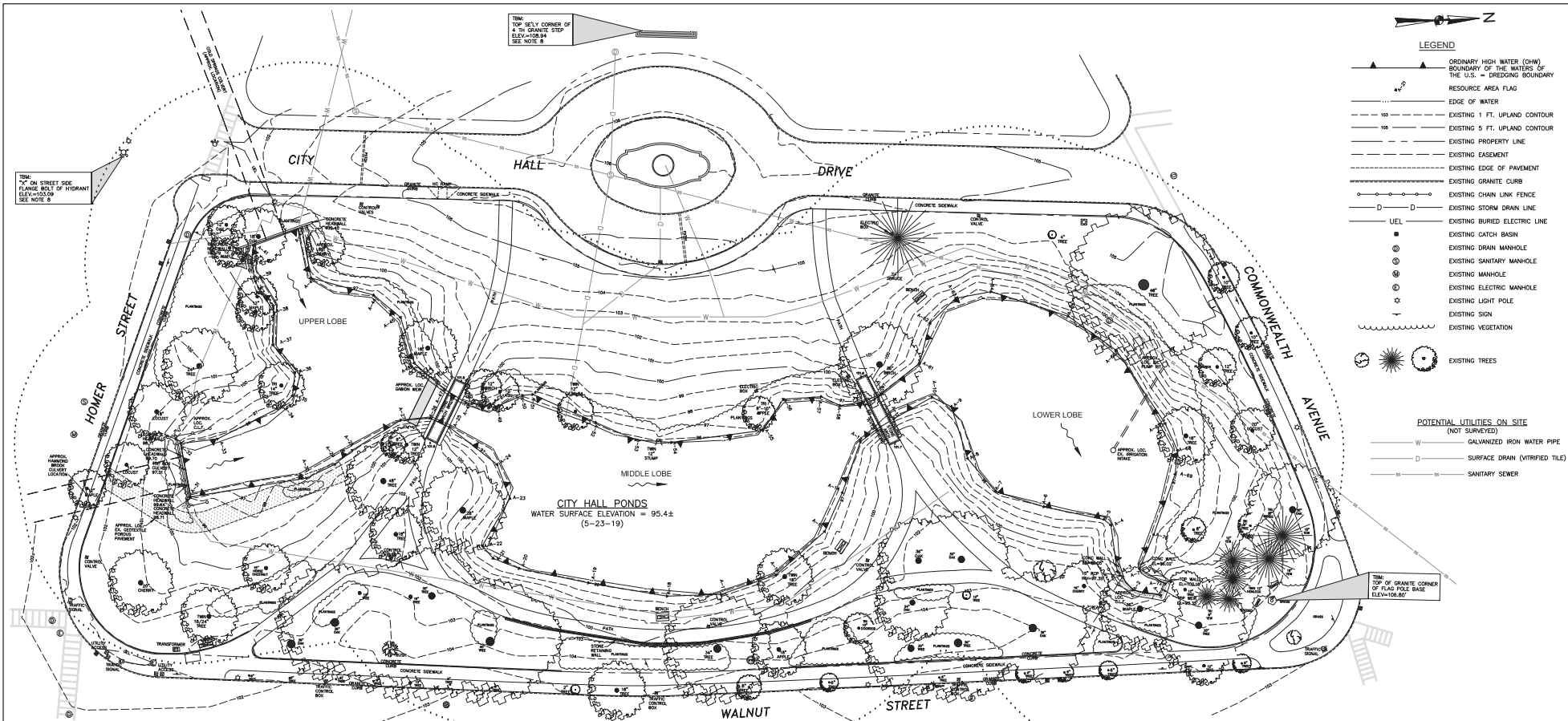
**PREPARED FOR:**  
**City of Newton Dept. of Public Works**  
1000 Commonwealth Avenue  
Newton Centre, MA 02459

**DESIGNER:**  
**GZA GeoEnvironmental, Inc.**  
**Engineers and Scientists**  
ONE FINANCIAL PLAZA  
1350 Main Street, Suite 1400  
Springfield, MA 01103  
413-726-2100



THIS DRAWING SET HAS BEEN PREPARED TO SUPPORT THE PROJECT'S PRE-CONSTRUCTION NOTIFICATION UNDER THE MASSACHUSETTS GENERAL PERMIT FOR PROJECT AUTHORIZATION BY THE U.S. ARMY CORPS OF ENGINEERS-NEW ENGLAND DIVISION.

© 2020 - GZA GeoEnvironmental, Inc. 024-00 166750 - 0 166750-166750-00 CITY HALL PONDS DREDGING-NEWTON, MA 15.01667500 CAD/UNW/158.00-044 PERMIT RECEIVED EX. CONDITIONS NOVEMBER 23, 2020 12:57PM EDWARD MALIAN



**LEGEND**

- ▲ ORDINARY HIGH WATER (OHW) BOUNDARY OF THE WATERS OF THE U.S. - DREDGING BOUNDARY
- ▲ RESOURCE AREA FLAG
- EDGE OF WATER
- - - - - EXISTING 1 FT. UPLAND CONTOUR
- - - - - EXISTING 5 FT. UPLAND CONTOUR
- - - - - EXISTING PROPERTY LINE
- - - - - EXISTING EASEMENT
- - - - - EXISTING EDGE OF PAVEMENT
- - - - - EXISTING GRANITE CURB
- - - - - EXISTING CHAIN LINK FENCE
- - - - - EXISTING STORM DRAIN LINE
- U-EL EXISTING BURIED ELECTRIC LINE
- EXISTING CATCH BASIN
- ⊙ EXISTING DRAIN MANHOLE
- ⊙ EXISTING SANITARY MANHOLE
- ⊙ EXISTING MANHOLE
- ⊙ EXISTING ELECTRIC MANHOLE
- ⊙ EXISTING LIGHT POLE
- ⊙ EXISTING SIGN
- ~ EXISTING VEGETATION
- ⊙ EXISTING TREES

**POTENTIAL UTILITIES ON SITE (NOT SURVEYED)**

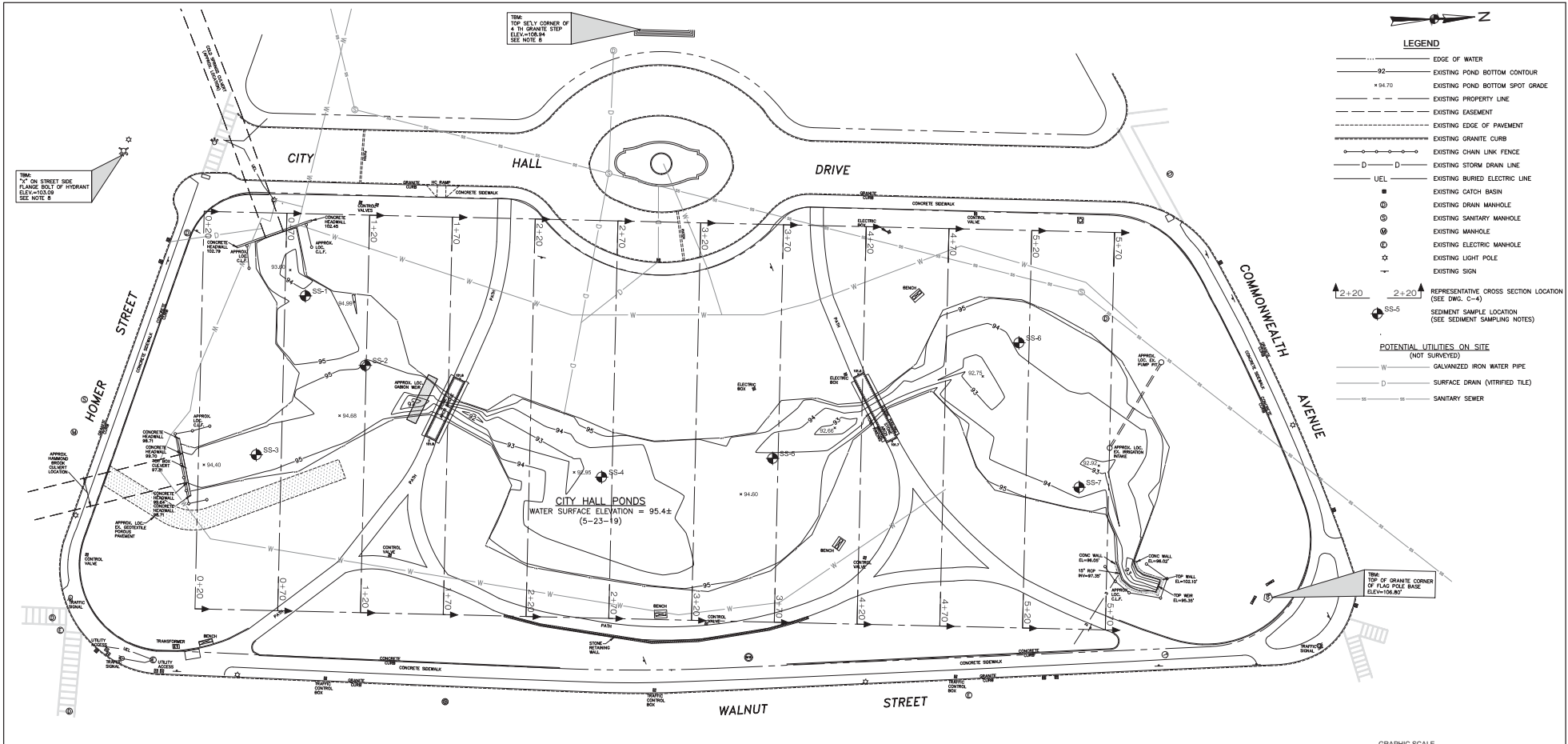
- W GALVANIZED IRON WATER PIPE
- D SURFACE DRAIN (VERIFIED TILE)
- S SANITARY SEWER

- GENERAL NOTES:**
1. TOPOGRAPHIC AND PLANIMETRIC INFORMATION TAKEN FROM PLANS ENTITLED "TOPOGRAPHICAL PLAN OF LAND, CITY HALL PONDS, NEWTON, MASSACHUSETTS" PREPARED BY HERITAGE SURVEYS, INC. SOUTHAMPTON, MA, REVISED JANUARY 22, 2020 (2 SHEETS).
  2. BENCHMARK FOR SITE IS TOP OF GRANITE CORNER OF FLAG POLE BASE, AS SHOWN ON PLAN.
  3. BATHYMETRIC SURVEY OF POND BOTTOM COMPLETED BY GZA GEODESIGN, INC. (GZA) MAY 2019. PROBINGS USED TO ESTIMATE DEPTH TO BOTTOM OF SEDIMENT FROM SURVEY COMPLETED DECEMBER 2010 BY GZA.
  4. WETLAND RESOURCE DELINEATION CONDUCTED BY GZA ON DECEMBER 10, 2019.
  5. ESTIMATED IRRIGATION INTAKE PUMP PIT, GABION, CULVERT AND GEORRID LOCATIONS TAKEN FROM "PLANS FOR THE RESTORATION OF LAUNDRY BROOK DRAINAGE SYSTEM INCLUDING BULLOUGH'S POND AND CITY HALL PONDS AND COLD SPRING & HAMMOND BROOK CULVERTS" BY BEC, INC. DATED JANUARY 1992 (AVAILABLE UPON REQUEST).
  6. POTENTIAL SEWER, STORM AND IRRIGATION SYSTEM LOCATIONS (NOT VERIFIED) TAKEN FROM PLAN ENTITLED "CITY OF NEWTON, MASSACHUSETTS", DATED OCTOBER 14, 1932, BY OLMSTED BROTHERS LANDSCAPE ARCHITECTS, BROOKLINE, MA (AVAILABLE UPON REQUEST).
  7. SITE LOCATION: 1000 COMMONWEALTH AVE. MBL#: 64001 001.
  8. THE CITY SURVEYOR HAS INDICATED THAT TBM ELEVATION OF 106.80 IS EQUIVALENT TO ELEVATION 106.66 ON NEWTON CITY BASE.
  9. HORIZONTAL DATUM IS NAD83 MASSACHUSETTS STATE PLANE MASS MAINLAND COORDINATE SYSTEM.

**PRELIMINARY  
NOT FOR CONSTRUCTION**

ISSUED FOR PERMITTING	JRB 12/20
NO. _____	BY _____
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<b>CITY HALL PONDS MAINTENANCE DREDGING PROJECT NEWTON CENTRE, MASSACHUSETTS</b>	
<b>EXISTING CONDITIONS</b>	
<small>PREPARED BY:</small> <b>GZA GeoEnvironmental, Inc.</b> Engineers and Scientists www.gza.com	<small>PREPARED FOR:</small> CITY OF NEWTON DEPARTMENT OF PUBLIC WORKS 1000 COMMONWEALTH AVENUE NEWTON CENTRE, MA 02459
<small>PROJ MGR:</small> JRB <small>DESIGNED BY:</small> JRB <small>DATE:</small> OCTOBER, 2020	<small>REVIEWED BY:</small> TEJ <small>DRAWN BY:</small> EDM <small>CHECKED BY:</small> SEL <small>SCALE:</small> 1"=60' <small>PROJECT NO.:</small> 15.0166758.00 <small>REVISION NO.:</small> 0
<b>DRAWING C-1</b>	

© 2020 - GZA GeoEnvironmental, Inc. 02A-A-0 166700 - 0 18679A\15.0166758.00 CITY HALL PONDS DREDGING-NEWTON, MA\15.0166758.00 CAD\DWG\206.00-04 PERMIT SETTING POND BOTTOM NOVEMBER 23, 2020 12:57PM EDWARD MULLIN

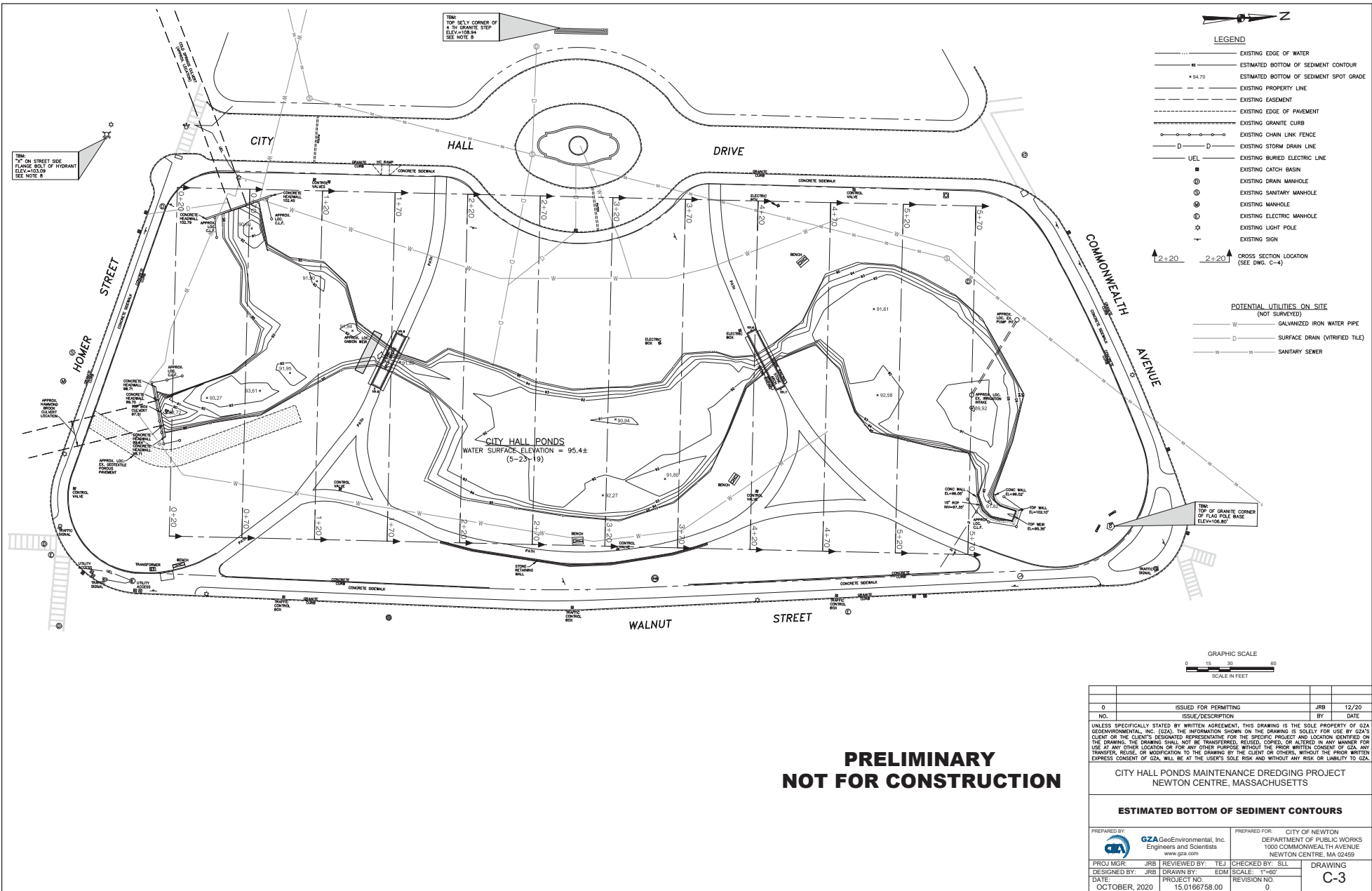


- SEDIMENT SAMPLING NOTES:**
1. SEDIMENT SAMPLES SS-1 THROUGH SS-7 COLLECTED BY GZA GEENVIRONMENTAL, INC. ON NOVEMBER 15, 2019.
  2. SEDIMENT SAMPLES SS-4 AND SS-5 WERE COMPOSITED INTO SAMPLE SS-4/5. SEDIMENT SAMPLES SS-6 AND SS-7 WERE COMPOSITED INTO SAMPLE SS-6/7.

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ISSUE/DESCRIPTION		ISSUED FOR PERMITTING	JRB	12/20
NO.		BY	DATE	
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CITY HALL PONDS MAINTENANCE DREDGING PROJECT NEWTON CENTRE, MASSACHUSETTS				
<b>EXISTING POND BOTTOM CONTOURS AND SEDIMENT SAMPLING LOCATIONS</b>				
PREPARED BY:	GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR:	CITY OF NEWTON DEPARTMENT OF PUBLIC WORKS 1000 COMMONWEALTH AVENUE NEWTON CENTRE, MA 02459	
PROJ MGR:	JRB	REVIEWED BY:	TEJ	CHECKED BY:
DESIGNED BY:	JRB	DRAWN BY:	EDM	SCALE:
DATE:	OCTOBER, 2020	PROJECT NO.:	15.0166758.00	REVISION NO.:
				0
				DRAWING
				C-2

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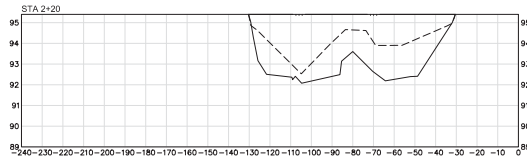
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NO.	ISSUE DESCRIPTION	BY	DATE
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<b>CITY HALL PONDS MAINTENANCE DREDGING PROJECT NEWTON CENTRE, MASSACHUSETTS</b>			
<b>ESTIMATED BOTTOM OF SEDIMENT CONTOURS</b>			
PREPARED BY:	GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: CITY OF NEWTON DEPARTMENT OF PUBLIC WORKS 1000 COMMONWEALTH AVENUE NEWTON CENTRE, MA 02459
PROJ MGR: JRB	REVIEWED BY: TEJ	CHECKED BY: SLL	DRAWING <b>C-3</b>
DESIGNED BY: JRB	DRAWN BY: EDM	SCALE: 1"=60'	
DATE: OCTOBER, 2020	PROJECT NO: 15.01667580.00	REVISION NO: 0	

© 2020 - GZA GeoEnvironmental, Inc. GZA-04-0 166758.00 - 0 166758.00 15.01166758.00 CAD/MS/158.00-04 PERMIT SECTION 4-SECTIONS NOVEMBER 23, 2020 12:59PM EDWARD MULLAN

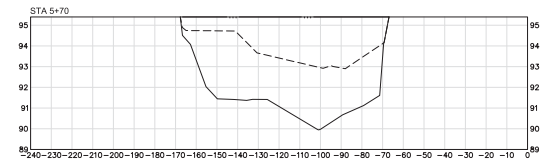
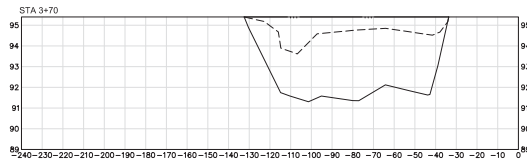
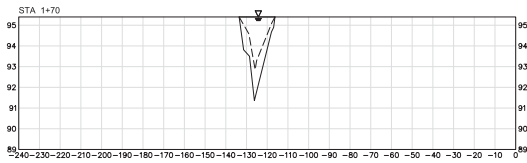
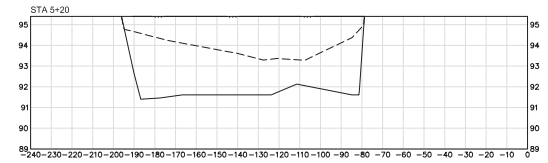
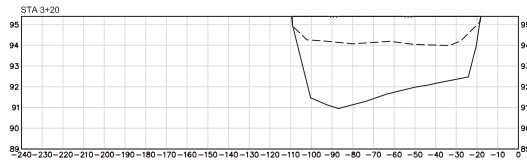
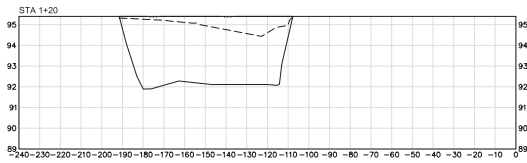
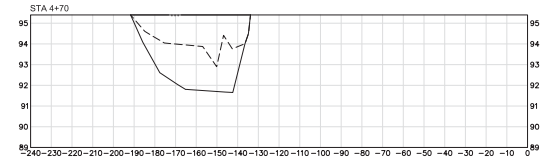
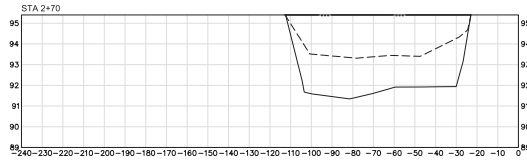
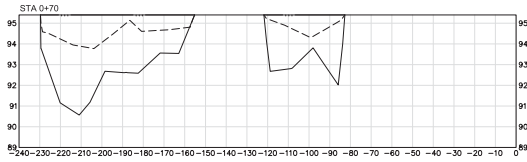
### UPPER LOBE



### MIDDLE LOBE



### LOWER LOBE



APPROXIMATE SEDIMENT VOLUMES: 800 CY

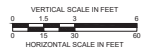
1,370 CY

1,100 CY

APPROXIMATE TOTAL SEDIMENT VOLUME: 3,600 CY  
(INCLUDING 330 CY IN INLET CULVERTS)

**PRELIMINARY  
NOT FOR CONSTRUCTION**

- LEGEND**
- W.S.E.=95.4± WATER SURFACE ELEVATION (5/23/19)
  - EXISTING POND BOTTOM (5/2019)
  - PROPOSED/ORIGINAL POND BOTTOM (12/2010)



NO.	ISSUED FOR PERMITTING	JRB	12/20
NO.	ISSUE/DESCRIPTION	BY	DATE
0			

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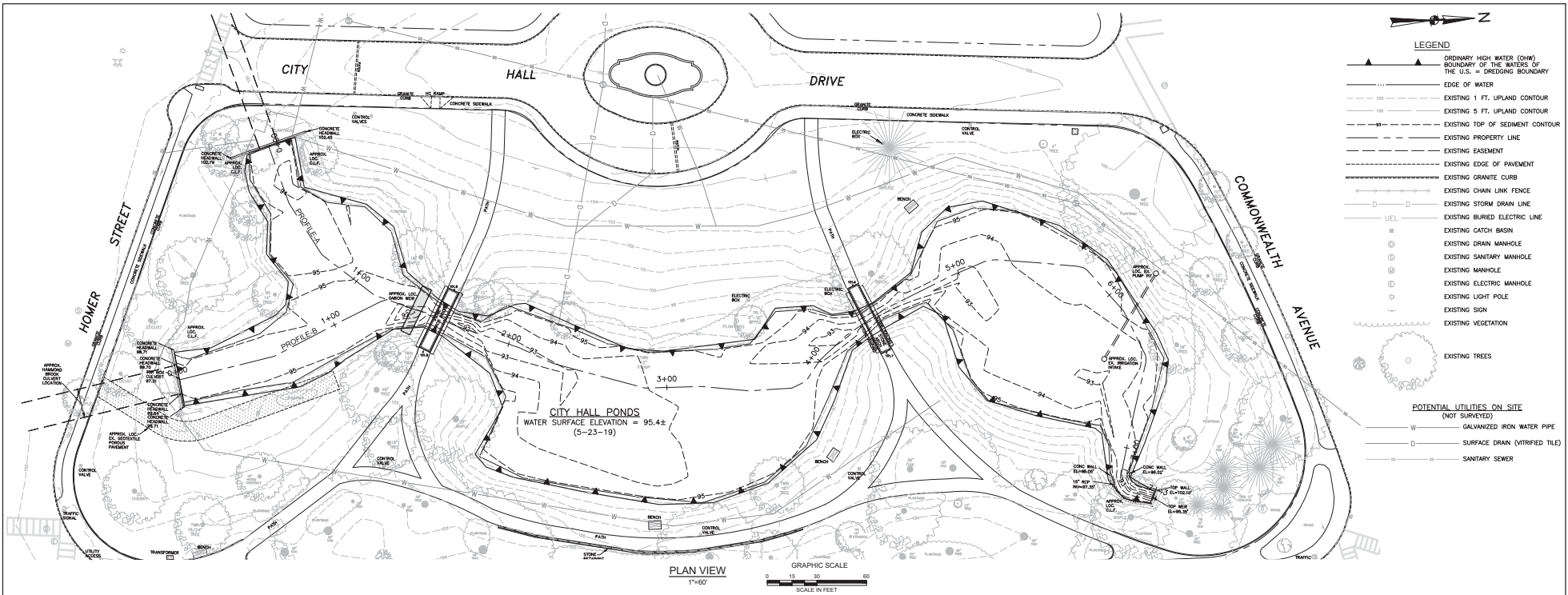
CITY HALL PONDS MAINTENANCE DREDGING PROJECT  
NEWTON CENTRE, MASSACHUSETTS

**REPRESENTATIVE POND CROSS SECTIONS**

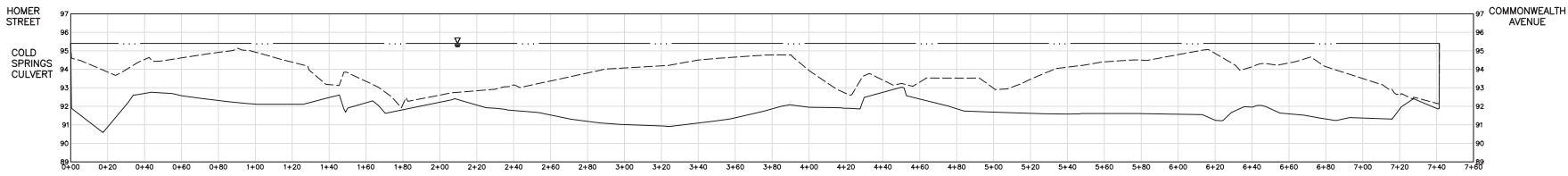
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: CITY OF NEWTON DEPARTMENT OF PUBLIC WORKS 1000 COMMONWEALTH AVENUE NEWTON CENTRE, MA 02459
PROJ MGR: JRB DESIGNED BY: JRB DATE: OCTOBER, 2020	REVIEWED BY: TEJ DRAWN BY: EDM PROJECT NO.: 15.0166758.00 REVISION NO.: 0
CHECKED BY: SLL SCALE: 1"=60' DRAWING: C-4	



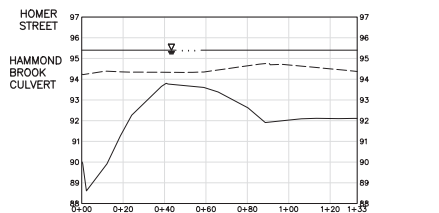
© 2020 - GZA GeoEnvironmental, Inc. GZA-19-01667500 - 0 1667500-01667500 CITY HALL PONDS DREDGING-NEWTOWN, MA 15.01667500-04A PERMIT SETTING POND PROFILES NOVEMBER 23, 2020 2:00PM EDWARD MULLAN



PLAN VIEW  
1"=60'  
GRAPHIC SCALE  
SCALE IN FEET



PROFILE-A  
VERT. 1"=6'  
HOR. 1"=60'  
GRAPHIC SCALE  
VERTICAL SCALE IN FEET  
HORIZONTAL SCALE IN FEET



PROFILE-B  
VERT. 1"=6'  
HOR. 1"=30'  
GRAPHIC SCALE  
VERTICAL SCALE IN FEET  
HORIZONTAL SCALE IN FEET

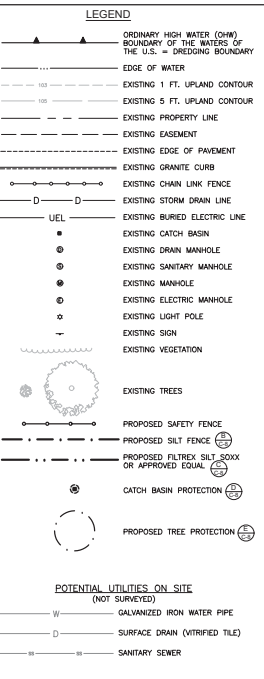
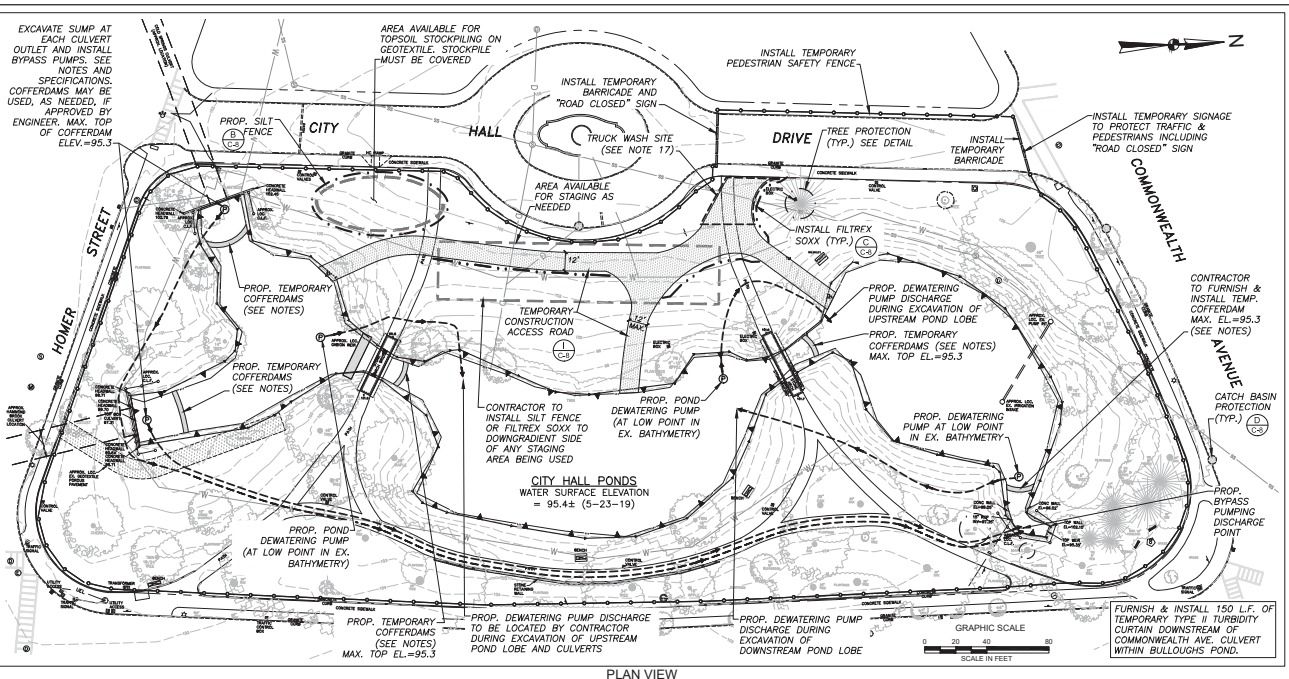
LEGEND  
 W.S.E.=95.4± (5-23-19) WATER SURFACE ELEVATION  
 TOP OF SEDIMENT  
 BOTTOM OF SEDIMENT

NOTE:  
 1. BATHYMETRIC SURVEY OF POND BOTTOM COMPLETED BY GZA GEOENVIRONMENTAL, INC. (GZA) MAY 2019. PROBINGS USED TO ESTIMATE DEPTH TO BOTTOM OF SEDIMENT FROM SURVEY COMPLETED DECEMBER 2010 BY GZA.

**PRELIMINARY  
NOT FOR CONSTRUCTION**

- LEGEND
- ORDINARY HIGH WATER (OHW) BOUNDARY OF THE WATERS OF THE U.S. - DREDGING BOUNDARY
  - EDGE OF WATER
  - EXISTING 5 FT. UPLAND CONTOUR
  - EXISTING TOP OF SEDIMENT CONTOUR
  - EXISTING PROPERTY LINE
  - EXISTING EASEMENT
  - EXISTING EDGE OF PAVEMENT
  - EXISTING GRANITE CURB
  - EXISTING CHAIN LINK FENCE
  - EXISTING STORM DRAIN LINE
  - EXISTING BURIED ELECTRIC LINE
  - EXISTING CATCH BASIN
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  - EXISTING LIGHT POLE
  - EXISTING SIGN
  - EXISTING VEGETATION
  - EXISTING TREES
- POTENTIAL UTILITIES ON SITE (NOT SURVEYED)
- GALVANIZED IRON WATER PIPE
  - SURFACE DRAIN (VERIFIED FIELD)
  - SANITARY SEWER

0	ISSUED FOR PERMITTING	JRB	12/20
NO.	ISSUE/DESCRIPTION	BY	DATE
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CITY HALL PONDS MAINTENANCE DREDGING PROJECT NEWTON CENTRE, MASSACHUSETTS			
<b>POND PROFILES</b>			
PREPARED BY:	GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR:	CITY OF NEWTON DEPARTMENT OF PUBLIC WORKS 1000 COMMONWEALTH AVENUE NEWTON CENTRE, MA 02459
PROJ MGR:	JRB	REVIEWED BY:	TEJ
DESIGNED BY:	JRB	DRAWN BY:	EDM
DATE:	OCTOBER, 2020	PROJECT NO.:	15.016675.00
		CHECKED BY:	SELL
		SCALE:	1"=60'
		REVISION NO.:	0
		DRAWING	C-5



STORMWATER PERMIT NOTES: 1. THIS PROJECT IS REGULATED UNDER THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY'S (EPA'S) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FOR DISCHARGES FROM CONSTRUCTION ACTIVITIES...

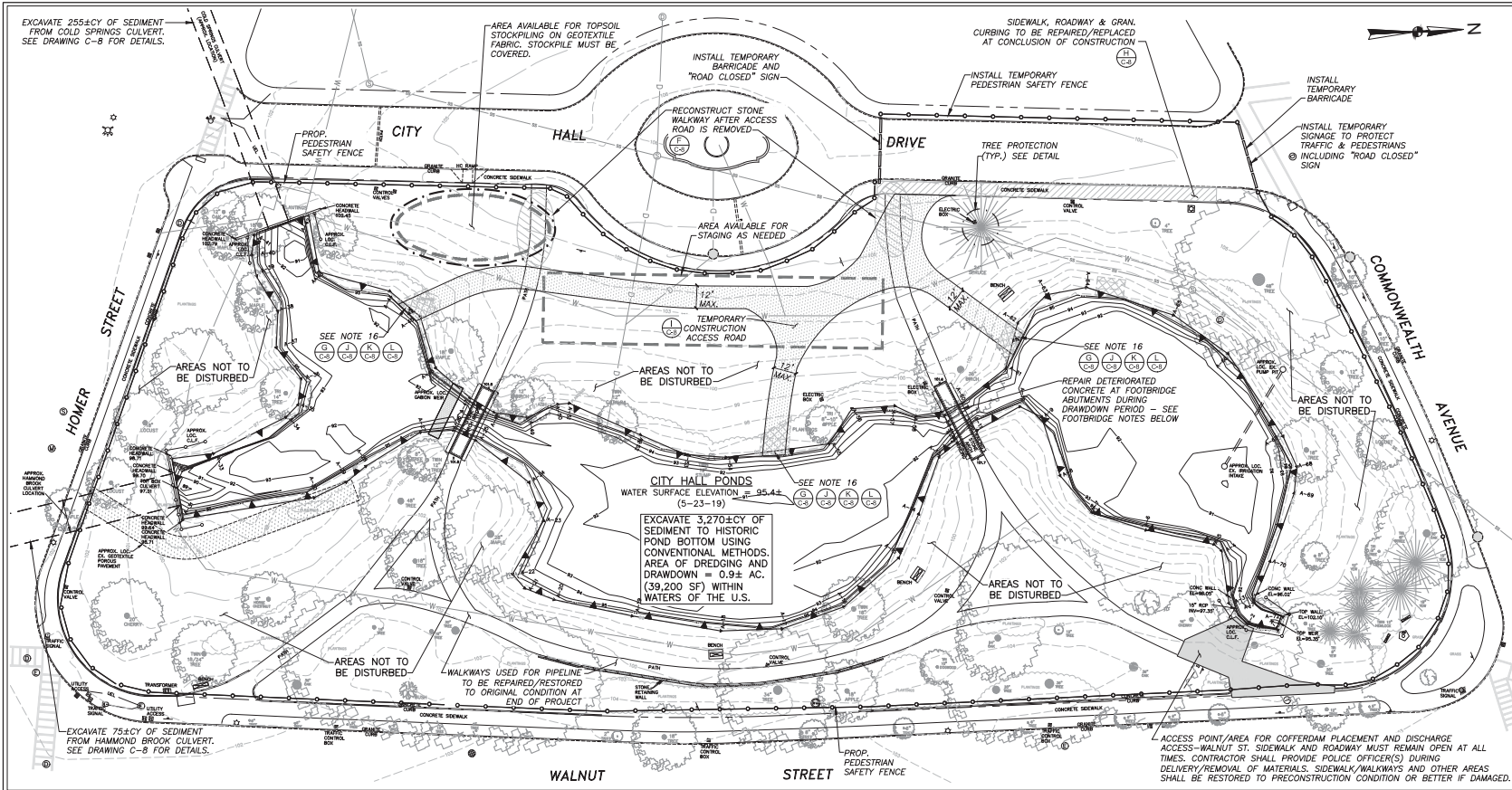
SEDIMENT AND EROSION CONTROL NOTES: 1. SEDIMENT BASINS AND TRAPS, PERIMETER BERMS, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND DISTURBING ACTIVITY...

PROPOSED POND Dewatering METHODS AND SEQUENCE: PHASE I STEP IA. CONDUCT INITIAL Dewatering OF CITY HALL PONDS BY INSTALLATION OF PUMP IN LOWER LOBE OF CITY HALL PONDS AND Dewatering CLEAN WATER FROM ABOVE LEVEL OF SEDIMENTS IN ALL THREE LOBES...

PRELIMINARY NOT FOR CONSTRUCTION

Table with project details including issue date (12/20), project manager (JRB), and revision number (0). Includes a disclaimer for GZA GeoEnvironmental, Inc.

01020 - GZA GeoEnvironmental, Inc. CD24-10-146793 - 0 165758.00 CAD/UNY150166758.00 CITY HALL PONDS DREDGING-NEWTOWN, MA 15 0166758.00 CAD/UNY150166758.00 PERMIT SETDIMS RESTORATION NOVEMBER 23, 2020 2:03PM EDWARD MULLAN



**LEGEND**

- ORDINARY HIGH WATER (OHW) BOUNDARY OF THE WATERS OF THE U.S. = DREDGING BOUNDARY
- RESOURCE AREA FLAG
- EXISTING 1 FT. UPLAND CONTOUR
- EXISTING 5 FT. UPLAND CONTOUR
- PROPOSED POND BOTTOM CONTOUR
- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- EXISTING EDGE OF PAVEMENT
- EXISTING GRANITE CURB
- EXISTING CHAIN LINK FENCE
- EXISTING STORM DRAIN LINE
- EXISTING BURIED ELECTRIC LINE
- EXISTING CATCH BASIN
- EXISTING DRAIN MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING MANHOLE
- EXISTING ELECTRIC MANHOLE
- EXISTING LIGHT POLE
- EXISTING SIGN
- EXISTING VEGETATION
- EXISTING TREES
- PROPOSED PEDESTRIAN SAFETY FENCE
- PROPOSED SILT FENCE
- PROPOSED FILTEREX SILT SOCK OR APPROVED EQUAL
- CATCH BASIN PROTECTION
- PROPOSED TREE PROTECTION
- SEE NOTE 16
- POTENTIAL HISTORIC UTILITIES ON SITE (NOT SURVEYED)
- W GALVANIZED IRON WATER PIPE
- D SURFACE DRAIN (VERIFIED FILE)
- SS SANITARY SEWER

**CONSTRUCTION NOTES - SEDIMENT REMOVAL AND MAINTENANCE OF CITY HALL PONDS**

**PLAN VIEW**  
1"=60'

- PLANS DO NOT PURPORT TO SHOW ALL EXISTING UTILITIES. CONTACT DIG SAFE (1-888-344-7233) 72 HOURS PRIOR TO BEGINNING EXCAVATION ACTIVITIES.
- ALL WORK SHALL COMPLY WITH ENVIRONMENTAL PERMITS ISSUED FOR THE PROJECT. CONTRACTOR SHALL PROVIDE AND ERECT REQUIRED SIGN FOR DISPLAYING DEP FILE NUMBER (SEE SPECIFICATIONS).
- TREES AND PERMANENT STRUCTURES ARE TO BE PROTECTED. VEGETATION REMOVAL SHALL BE LIMITED ALONG POND BANKS AS PER ENVIRONMENTAL PERMITS AND PROJECT PLANS AND SPECIFICATIONS.
- SITE ACCESS SHALL BE AS SHOWN ON THE PLANS AND DETAILED IN THE PROJECT SPECIFICATIONS. CONTRACTOR MAY MAKE MINOR ADJUSTMENTS TO LOCATION AND ALIGNMENT OF ACCESS DRIVE ONLY WITH ACCEPTANCE OF OWNER.
- EXCAVATION SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS.
- SEQUENCE OF EXCAVATION OPERATIONS SHALL INSURE THE EFFICIENT REMOVAL OF MATERIALS IN A TIMELY MANNER. SEQUENCE OF OPERATIONS MUST COMPLY WITH THE TERMS OF ANY ENVIRONMENTAL PERMITS ISSUED FOR THE PROJECT AND THE SPECIFICATIONS.
- NOTIFY THE ENGINEER IF ANY UTILITIES ARE DISCOVERED DURING THE DRAWDOWN OF THE POND OR EXCAVATION OPERATIONS. UTILITIES DETERMINED TO BE ABANDONED SHALL BE REMOVED WITHIN THE GRASSES SHOWN IN THE PLANS AT THE ENGINEER'S DIRECTION. ACTIVE UTILITIES SHALL NOT BE DISTURBED UNLESS DIRECTED BY THE ENGINEER. IRRIGATION SYSTEMS IS ACTIVE. CONTRACTOR SHALL PROTECT ALL UTILITIES THROUGHOUT COURSE OF PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR/REPLACEMENT OF ALL DAMAGED UTILITIES/IRRIGATION SYSTEMS AT NO ADDITIONAL EXPENSE TO OWNER.
- CARBON WORK IN POND MUST BE PROTECTED FROM DAMAGE DURING THE CONSTRUCTION PERIOD AND REPAIRED/RESET IF DAMAGE OR MOVEMENT OCCURS.
- OVEREXCAVATION BEYOND THE AREA OF WORK AND CONTOURS INDICATED ON THE PLANS AND THE ELEVATIONS INDICATED ON THE CROSS SECTIONS WILL NOT BE PERMITTED OR PAID FOR BY THE OWNER. THE POND RESTORATION HAS A CLAY LINER. THE HISTORIC POND BOTTOM/LINER SHALL NOT BE DISTURBED DURING THE PROJECT.
- BEDROCK IS NOT TO BE EXCAVATED IF ENCOUNTERED.
- UNSUITABLE MATERIALS INCLUDING ALL MANMADE OR NATURAL OBJECTS NOT CLASSIFIED AS SEDIMENTS SHALL BECOME THE PROPERTY OF THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO TIRES, CAR PARTS, APPLIANCES, TREE STUMPS OR LIMBS, VEGETATION, ETC. THESE MATERIALS MUST BE DEPOSITED OF AT AN APPROPRIATE LOCATION OFFSITE CONSISTENT WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
- EQUIPMENT AND MATERIALS STORAGE SHALL BE CONFINED TO THE STAGING AREA. EXCAVATION EQUIPMENT MAY BE PARKED ON THE CONSTRUCTION ACCESS OUTSIDE OF THE POND DURING PERIODS OF INACTIVITY.
- REFUELING OF EQUIPMENT MUST TAKE PLACE OUTSIDE OF THE POND AND THE 100 FT BUFFER TO RESOURCE AREAS. TEMPORARY FUEL STORAGE TANKS SHALL NOT BE PERMITTED AT THE PROJECT SITE. REFUELING ON SITE MAY ONLY OCCUR IN AREAS APPROVED BY THE OWNER.
- POTENTIAL EXISTS FOR MAJOR FLOOD EVENTS DURING THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL NOT LEAVE EQUIPMENT IN THE POND AREA DURING PERIODS WHEN PERSONNEL ARE NOT ON-SITE TO MOVE IT.
- AT THE COMPLETION OF EXCAVATION OPERATIONS, THE CONTRACTOR SHALL REMOVE ALL EROSION CONTROL BARRIERS, GEOTEXTILE FABRICS, STONE, TIMBERS, AND OTHER MATERIALS USED FOR TEMPORARY ACCESS OR CONTROLS ON THE POND BOTTOM.
- CONTRACTOR TO REMOVE AND RESET CHAIN LINK FENCE (IF PRESENT) AND BOLLARDS AT THREE POND ACCESS POINTS. EACH OF THREE POND ACCESS POINTS SHALL INCLUDE VEGETATION REMOVAL ALONG NO MORE THAN 15 FT. OF BANK. TOPSOIL FROM ACCESS AREAS (MATCHED ON PLAN) SHALL BE STOCKPILED SEPARATELY AND RESET AT PROJECT END. RESTORATION OF AREAS SHALL COMMENCE WITHIN 14 DAYS OF THE END WORK WITHIN A POND LOBE AND ACCESS ROAD REMOVAL. 12" DIA. FILTER SOCKS OR EQUAL SHALL BE PLACED AROUND AREA UNTIL VEGETATION IS ESTABLISHED. SEE RESTORATION OF DISTURBED AREA NOTES ON THIS SHEET FOR ADDITIONAL RESTORATION INFORMATION.

- SEDIMENT EXCAVATION AND DISPOSAL NOTES:**
- PROPOSED CONTOURS APPROXIMATE THE ORIGINAL POND BOTTOM BENEATH THE ACCUMULATED SEDIMENTS AS ESTIMATED BY PROBING DATA OBTAINED BY GZA ENVIRONMENTAL, INC. IN DECEMBER 2010.
  - SEDIMENT EXCAVATION SHALL PROCEED TO THE LINES AND GRADES AS INDICATED ON THESE PLANS AND CROSS SECTIONS OR TO THE FIRM CLAY BOTTOM APPROVED BY THE ENGINEER, WHICHEVER IS FIRST ATTAINED.
  - OVEREXCAVATION BEYOND THE LINES AND GRADES AS INDICATED ON THESE PLANS AND CROSS SECTIONS OF THE CLAY ORIGINAL POND BOTTOM WILL NOT BE PERMITTED OR PAID FOR BY THE OWNER.
  - DREDGED SLOPES SHALL HAVE A MAXIMUM STEEPNESS OF 3 HORIZONTAL TO 1 VERTICAL (3H:1V).
  - SEDIMENTS SHALL BE TRANSPORTED BY THE CONTRACTOR FOR REUSE AT A SITE SELECTED BY THE OWNER. SEE SPECIFICATIONS FOR DETAILS.
- FOOTBRIDGE REPAIR NOTES:**
- ALL FOOTBRIDGE REPAIR WORK SHALL BE CONDUCTED IN DRY WEATHER CONDITIONS, WITH THE POND DRAWN DOWN IN THE AREA OF THE WORK.
  - THE STONE FACES OF THE FOOTBRIDGE SHALL BE PROTECTED FROM THE REPAIR ACTIVITIES. ANY DAMAGE SHALL BE REPAIRED IN COORDINATION WITH APPLICABLE HISTORICAL REPAIR CONSULTANTS.
  - REPAIR WORK SHALL BE LIMITED TO AREAS OF DETEIORATED CONCRETE AT THE NORMAL WATER LINE AND SHALL BE CONDUCTED PER PROJECT DRAWINGS AND SPECIFICATIONS.
  - IN GENERAL, REPAIR WORK WILL CONSIST OF REMOVING DETEIORATED CONCRETE IN THE AREA OF THE NORMAL WATER LINE, PREPARATION OF THE SUBSTRATE FORMING AND POURING CONCRETE REPAIRS, AND RUBBING AND FINISHING THE FORMED CONCRETE SURFACES.

- RESTORATION OF DISTURBED AREA NOTES:**
- ANY DAMAGE TO SIDEWALKS MUST BE REPAIRED PER DETAIL IN PLAN SET.
  - EXISTING WALKWAYS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER AFTER TEMPORARY ACCESS ROUTES HAVE BEEN REMOVED.
  - CONTRACTOR TO REMOVE ALL STONE AND FILTER FABRIC FROM TEMPORARY ACCESS AREAS AT END OF CONSTRUCTION.
  - DISTURBED AREAS WHICH WERE TURF GRASS PRIOR TO CONSTRUCTION SHALL BE RESTORED TO PRECONSTRUCTION GRASSES WITH ORDINARY BORROW, DRESSED WITH 6 INCHES OF TOPSOIL AND SODDED.
  - DISTURBED AREAS WHICH WERE VEGETATED BUFFER AREAS ADJACENT TO THE POND (SHOWN IN HATCHING ON THIS SHEET) SHALL BE RESTORED TO PRECONSTRUCTION SUBGRASSES WITH ORDINARY BORROW, DRESSED WITH 6 INCHES OF TOPSOIL SET ASIDE FROM THE BANK AREA AT THE START OF CONSTRUCTION, AND PLANTED WITH SHRUBS PER DETAILS ON DRAWING C-8, WITH AREAS ADJACENT TO SHRUBS SEEDED PER DETAIL ON DRAWING C-8.
- OPERATION & MAINTENANCE (O&M) NOTES:**
- POST CONSTRUCTION, THE CITY OF NEWTON DEPARTMENT OF PUBLIC WORKS WILL OPERATE & MAINTAIN THE POND IN ACCORDANCE WITH THE O&M PLAN DEVELOPED FOR THE SITE.

**PRELIMINARY NOT FOR CONSTRUCTION**  
GRAPHIC SCALE  
0 15 30 60  
SCALE IN FEET

0	ISSUED FOR PERMITTING	JIB	12/20
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**CITY HALL PONDS MAINTENANCE DREDGING PROJECT**  
NEWTOWN CENTRE, MASSACHUSETTS

**POND RESTORATION PLAN**

PREPARED BY:	GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR:	CITY OF NEWTON DEPARTMENT OF PUBLIC WORKS 1000 COMMONWEALTH AVENUE NEWTOWN CENTRE, MA 02459
PROJECT MGR:	JIB	REVIEWED BY:	TEJ
DESIGNED BY:	JIB	DRAWN BY:	EDM
DATE:	OCTOBER, 2020	CHECKED BY:	SEL
		SCALE:	1"=60'
		REVISION NO.:	0
			DRAWING: C-7

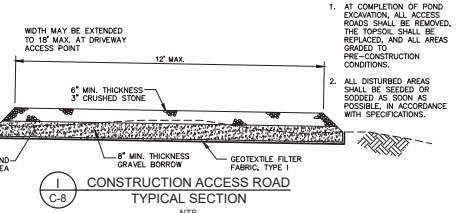
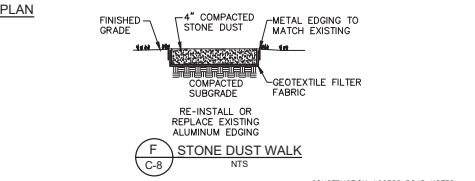
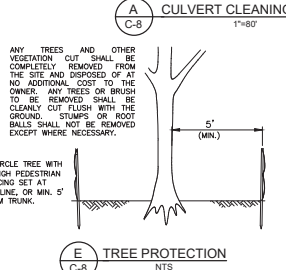
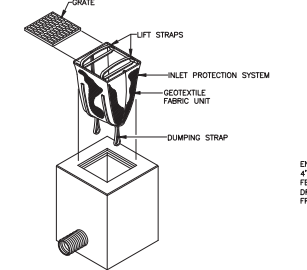
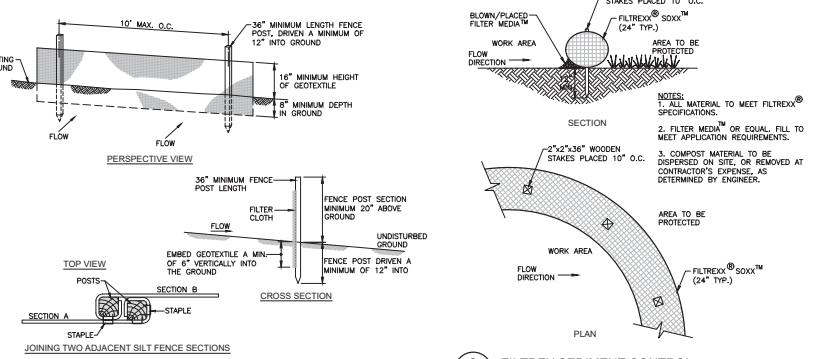
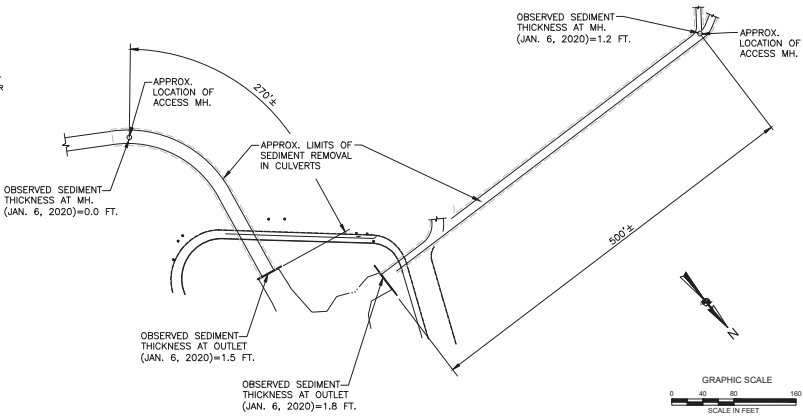
© 2020 - GZA GeoEnvironmental, Inc. GZA-0.0 1467920 - 0 1467920A 15.0101676782600 CITY HALL PONDS DREDGING-NEWTON, MA 15.0101676782600 CAD/UNIT/783.00-404 PERMIT DETAILS NOVEMBER 23, 2020 2:15PM EDWARD BULLA

**CULVERT CLEANING NOTES:**

1. SEDIMENT MAY BE REMOVED FROM THE CULVERTS BY USE OF MECHANICAL EQUIPMENT, HAND LABOR, OR VACUUMING AS PROVIDED BY THE CONTRACTOR AND ACCEPTED.
2. CONTRACTOR SHALL CONDUCT A PRE-CONSTRUCTION EXISTING CONDITIONS SURVEY TO DETERMINE THE AMOUNT OF SEDIMENT PRESENT IN EACH CULVERT AND EXISTING CONDITIONS OF CULVERTS. CONTRACTOR SHALL ALSO REMOVE ANY INCOMING STORM SEWERS OR DAMAGED SECTIONS OF THE CULVERTS.
3. CONSTRUCTION ACTIVITIES SHALL NOT DAMAGE THE INTERIOR OF THE CULVERTS. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO CULVERTS AT NO ADDITIONAL COST TO THE OWNER.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING FLOWS WITHIN THE CULVERTS DURING CONSTRUCTION ACTIVITIES. NO MATERIALS OR EQUIPMENT MAY REMAIN IN THE CULVERTS OVERNIGHT OR WHEN CONTRACTOR IS NOT ON SITE. ALL CULVERT WORK SHALL TAKE PLACE DURING DRY WEATHER PERIODS.

**DATA SOURCES:**

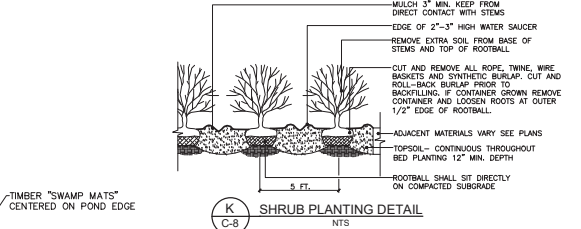
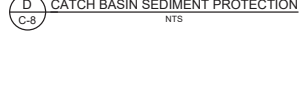
1. CULVERT LOCATION INFORMATION AND SLOPES TAKEN FROM PLANS ENTITLED "PROPOSED STREAM IMPROVEMENTS PIPE CONDUIT & CONCRETE CULVERT COLD SPRING & HAMMOND BROOK, NEWTON CENTER, NEWTON" PREPARED BY DEPARTMENT OF PUBLIC WORKS OF MASSACHUSETTS DIVISION OF WATERWAYS, DATED MARCH 1958.
2. APPROXIMATE ACCESS MANHOLE (MH) LOCATION INFORMATION TAKEN FROM PLANS ENTITLED "PLANS FOR THE RESTORATION OF LAUNDRY BROOK DRAINAGE SYSTEM INCLUDING BULLDOGS" AND CITY HALL PONDS AND COLD SPRING & HAMMOND BROOK CULVERTS" BY BEC, INC. DATED JANUARY 1992.
3. APPROXIMATE CULVERT SEDIMENT THICKNESSES MEASURED BY GZA, INC. ON JANUARY 6, 2020.



**INSTALLATION AND MAINTENANCE GUIDELINES**

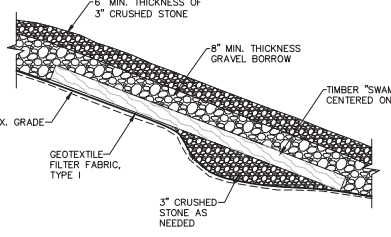
**INSTALLATION:** REMOVE THE GRATE FROM CATCH BASIN. IF USING OPTIONAL OIL ABSORBENTS, PLACE ABSORBENT FILLW IN UNIT. STAND THE GRATE ON END. MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE GEOTEXTILE FABRIC UNIT SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS. HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO THE INLET.

**MAINTENANCE:** REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT AFTER EACH STORM EVENT. AFTER EACH STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO THE GEOTEXTILE FABRIC UNIT. IF THE CONTAINMENT AREA IS MORE THAN 1/3 FULL OF SEDIMENT, THE UNIT MUST BE EMPTIED. TO EMPTY UNIT, LIFT THE UNIT OUT OF THE INLET USING THE LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS, REPLACE ABSORBENT WHEN NEAR SATURATION.



**NOTE: SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.**

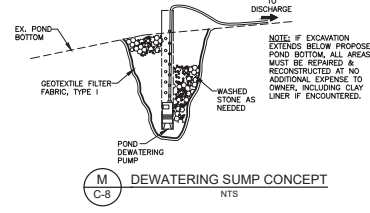
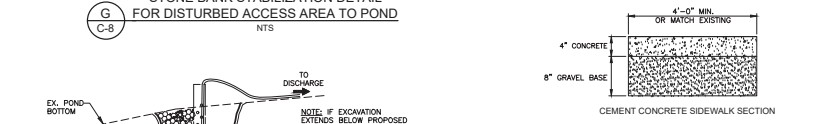
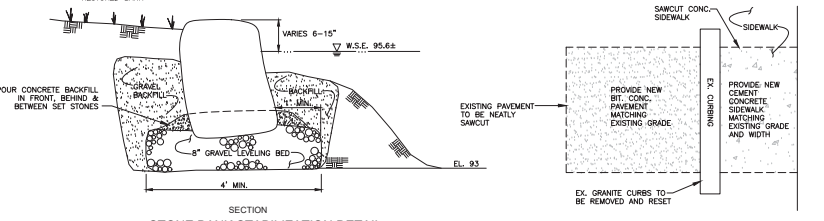
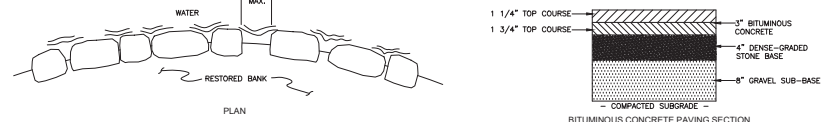
1. SHRUBS SHALL BE SET PLUMB AND PLANTED SO THAT THE TOP OF THE ROOTBALL IS 1\"/>
2. NO PRUNING OR CUTTING UNLESS DIRECTED BY THE LANDSCAPE ARCHITECT.
3. SAUCER SHALL BE FLOODED TWICE DURING THE FIRST 24 HOURS AFTER PLANTING.



**PLANT LIST**

COMMON NAME	BOTANICAL NAME	SIZE	QUANTITY	NOTES
Serviceberry	Amelanchier canadensis	#3	5	Container grown, plant 5' apart, random placement
Fragrant sumac	Rhus aromatica 'Gro-Low'	#2	7	Container grown, plant 5' apart, random placement
Winterberry	Ilex verticillata	#3	5	Container grown, plant 5' apart, random placement
Black chokeberry	Aronia melanocarpa	#5	5	Container grown, plant 5' apart, random placement
Red Twig Dogwood	Cornus sericea	#5	5	Container grown, plant 5' apart, random placement

**NOTE:** BANK RESTORATION AREAS NOT RECEIVING SHRUBS SHOULD BE SEEDED WITH NEW ENGLAND EROSION/RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES (BY NEW ENGLAND WETLAND PLANTS, INC. OR APPROVED EQUAL), APPLICATION RATE: 30#/ac.



**PRELIMINARY NOT FOR CONSTRUCTION**

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**CITY HALL PONDS MAINTENANCE DREDGING PROJECT  
NEWTON CENTRE, MASSACHUSETTS**

**CULVERT CLEANING PLAN  
AND DETAILS**

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

PREPARED FOR: **CITY OF NEWTON**  
DEPARTMENT OF PUBLIC WORKS  
1000 COMMONWEALTH AVENUE  
NEWTON CENTRE, MA 02459

PROJECT MGR: JRB REVIEWED BY: TEJ  
DESIGNED BY: JRB DRAWN BY: EDM  
DATE: OCTOBER, 2020 PROJECT NO. 15.0166758.00 REVISION NO. 0

DRAWING: **C-8**