



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

October 3, 2012

Regulatory Division
File Number: NAE-2010-1986

Dennis Harrington
Quincy Planning and Community Development
The City of Quincy
1305 Hancock Street
Quincy, Massachusetts 02169

Dear Mr. Harrington:

We have reviewed your application to place approximately 1284 square feet (SF) of fill within waters of the United States in order to relocate and enhance a portion of the Town Brook in Quincy, Massachusetts. The project would divert the existing Town Brook, a perennial stream, from a connection point upstream of Quincy Center along the south side of the Concourse Roadway Improvement Project, through 1200 linear feet of new closed and open channel culvert sections to the proposed connection point downstream of Quincy Center where it will rejoin the existing Town Brook alignment. The direct fill is required at the upstream and downstream connection points of the new culvert.

The project will also have approximately 17,040 SF of secondary impacts due to the abandonment of existing underground stormwater culverts from the upstream to the downstream connection points which currently convey the flow of the Town Brook. However, the proposed project will construct approximately 14,960 SF of new culverts to convey the Town Brook.

The Town Brook Enhancement Project is part of the public improvements that the City is undertaking to upgrade the aged infrastructure in Quincy Center to facilitate the redevelopment of the Center. This project is located in Town Brook through Quincy Center in Quincy, Massachusetts. The work is shown on the attached plans entitled, "Quincy Center Redevelopment, Town Brook Enhancement Project", on 5 sheets, and dated, September 4, 2012.

Based on the information you have provided, we have determined that the proposed activity, which includes a discharge of dredged or fill material into waters or wetlands, will have only minimal individual or cumulative environmental impacts on waters of the United States, including wetlands. Therefore, this work is authorized as a Category 2 activity under the attached Federal permit known as the Massachusetts General Permit (GP). This work must be performed in accordance with the terms and conditions of the GP and also in compliance with the following special conditions:

1. *The Permittee shall complete all work in strict compliance with the attached permit plans entitled, "Quincy Center Redevelopment, Town Brook Enhancement Project", on 5 sheets, and dated, September 4, 2012. Any deviation from the plans shall be reported to the Corps of Engineers in order for the Corps to determine if the deviation(s) require a permit modification.*
2. *No later than 30 days after completion of the authorized work, the permittee shall submit as-built drawings of the authorized work stamped by a professional engineer or land surveyor registered in the state of Massachusetts.*
3. *Submittals required by this permit shall be marked with the words "Permit No. NAE-2010-1986" and shall be submitted via: a) MAIL: Kevin Kotelly, Regulatory Division, Corps of Engineers, New England District, 696 Virginia Road, Concord, MA 01742-2751, or b) EMAIL: kevin.r.kotelly@usace.army.mil. Documents which are not marked and addressed in this manner may not reach their intended destination and do not comply with the requirements of this permit.*

The Corps of Engineers has consulted with the National Marine Fisheries Service (NMFS) regarding the effects of your project on Essential Fish Habitat (EFH) as designated under the Magnuson-Stevens Fishery Conservation and Management Act. The NMFS has not provided EFH conservation recommendations.

You are responsible for complying with all of the GP's requirements. Please review the attached GP carefully, in particular the GP conditions beginning on Page 5, to familiarize yourself with its contents. You should ensure that whoever does the work fully understands the requirements and that a copy of the permit document and this authorization letter are at the project site throughout the time the work is underway.

This determination becomes valid only after the Massachusetts Department of Environmental Protection (MassDEP) issues or waives Water Quality Certification (WQC) as required under Section 401 of the Clean Water Act. In the event the DEP denies the 401 WQC, this determination becomes null and void. The address of the MassDEP Regional office for your area is provided in the attached GP.

Your project is located within, or may affect resources within the coastal zone. The Massachusetts Office of Coastal Zone Management (CZM) has already determined that no further Federal Consistency Review is required.

This GP expires on January 21, 2015. Activities authorized under this GP that have commenced (i.e., are under construction) or are under contract to commence before this GP expires will have until January 21, 2016 to complete the activity under the terms and general conditions of the current GP. For work within Corps jurisdiction that is not completed by January 21, 2016, you will need to reference any reissued GP to see if your project is still authorized under Category 1 (no application required), or Category 2 (application required). If it

is no longer authorized you must submit an application and receive written authorization before you can continue work within our jurisdiction. Please contact us immediately if you change the plans or construction methods for work within our jurisdiction. This office must approve any changes before you undertake them.

This authorization requires you to complete and return the attached Work Start Notification Form to this office at least two weeks before the anticipated starting date. You must also complete and return the enclosed Compliance Certification Form within one month following the completion of the authorized work.

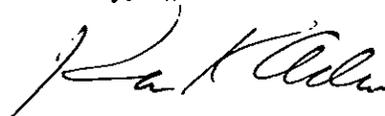
This authorization presumes that the work as described above and as shown on your plans noted above is in waters of the U.S. Should you desire to appeal our jurisdiction, submit a request for an approved jurisdictional determination in writing to this office.

This permit does not obviate the need to obtain other federal, state, or local authorizations required by law, as listed on Page 2 of the GP. Performing work not specifically authorized by this determination or failing to comply with the special condition provided above or all the terms and conditions of the GP may subject you to the enforcement provisions of our regulations.

We continually strive to improve our customer service. In order for us to better serve you, we would appreciate your completing our Customer Service Survey located at <http://per2.nwp.usace.army.mil/survey.html>

Please contact Kevin Kotelly, of my staff at 978-318-8703 if you have any questions.

Sincerely,



Karen Kirk Adams
Chief, Permits & Enforcement Branch
Regulatory Division

Attachments

Copies Furnished:

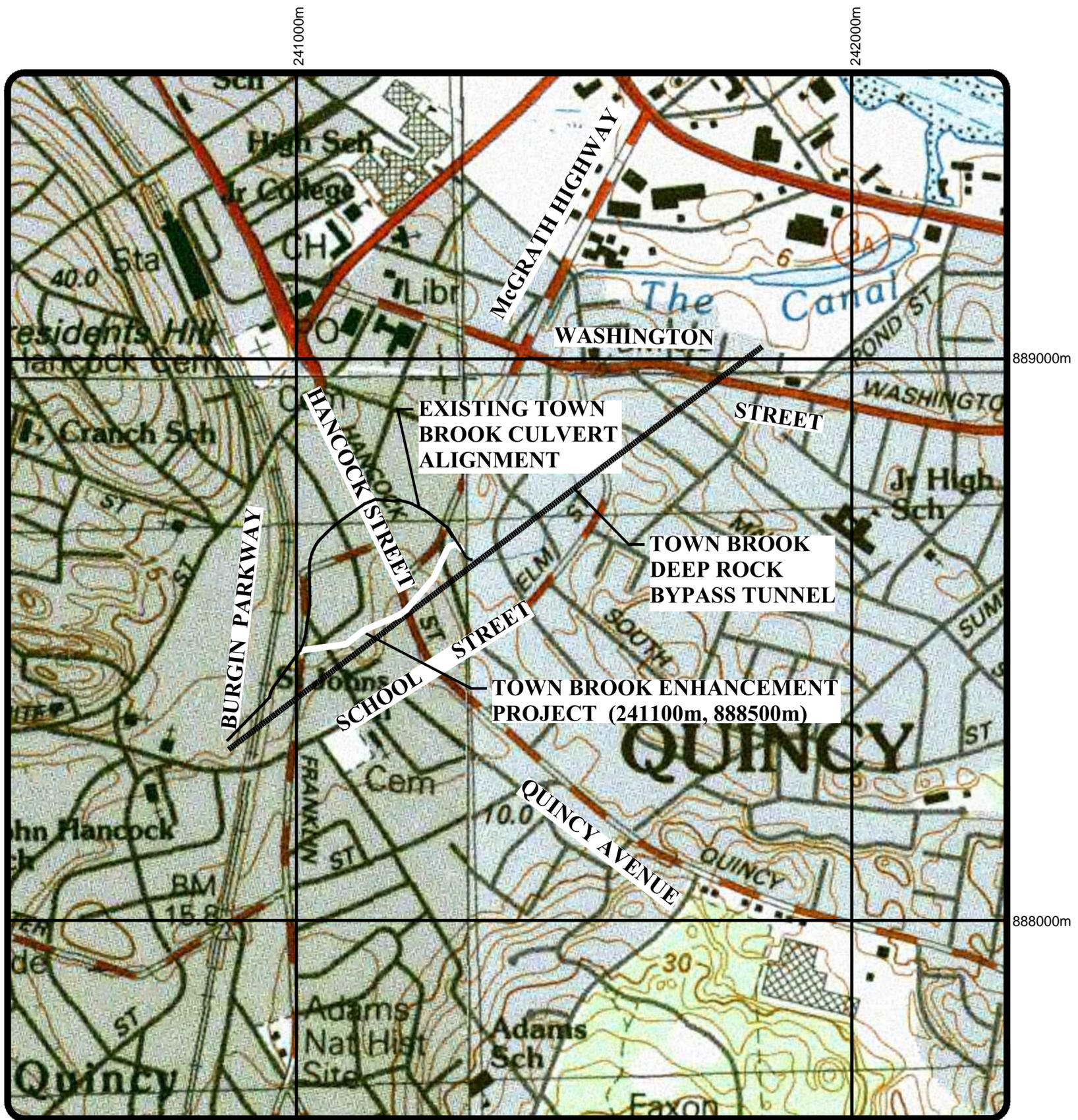
Ed Reiner, U.S. EPA, Region 1, Boston, Massachusetts, reiner.ed@epa.gov

Rachel Freed, DEP NERO, Wetland and Waterways, Wilmington, Massachusetts,
rachel.freed@state.ma.us (DEP File No. 059-1261)

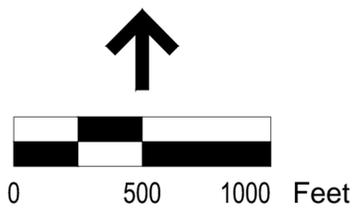
Robert Boeri, Coastal Zone Management, Boston, Massachusetts, Robert.Boeri@state.ma.us

John T. Brennion, Quincy Conservation Commission, City Hall, 1305 Hancock Street, Quincy,
Massachusetts 02169

Christopher M. Lucas, Lucas Environmental, LLC, 67 Coddington Street, Suite 204, Quincy,
Massachusetts 02169



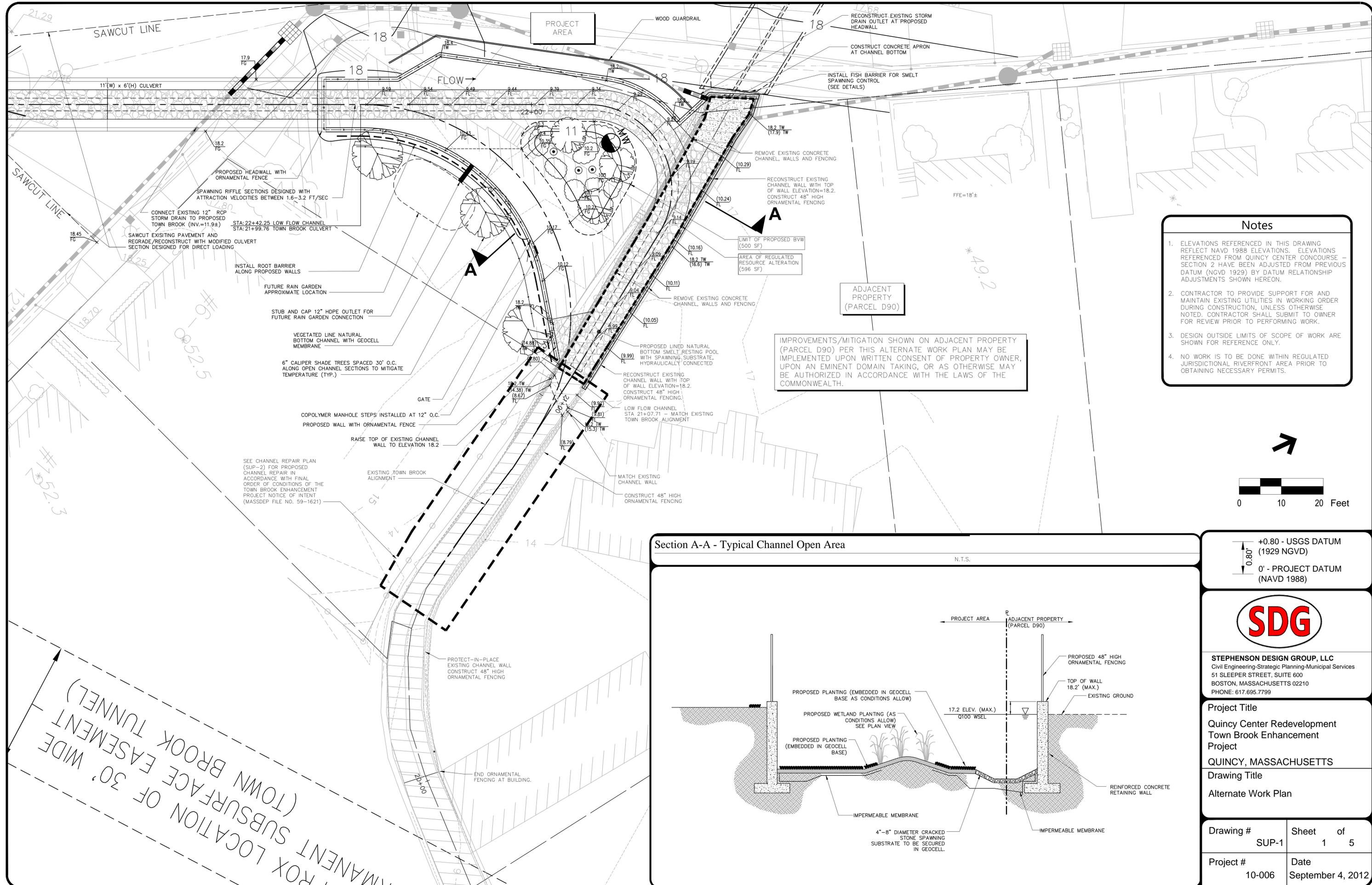
VICINITY MAP - NAD83 COORDINATES
1"=1000'



STEPHENSON DESIGN GROUP, LLC
Civil Engineering-Strategic Planning-Municipal Services
51 SLEEPER STREET, SUITE 600
BOSTON, MASSACHUSETTS 02210
PHONE: 617.695.7799

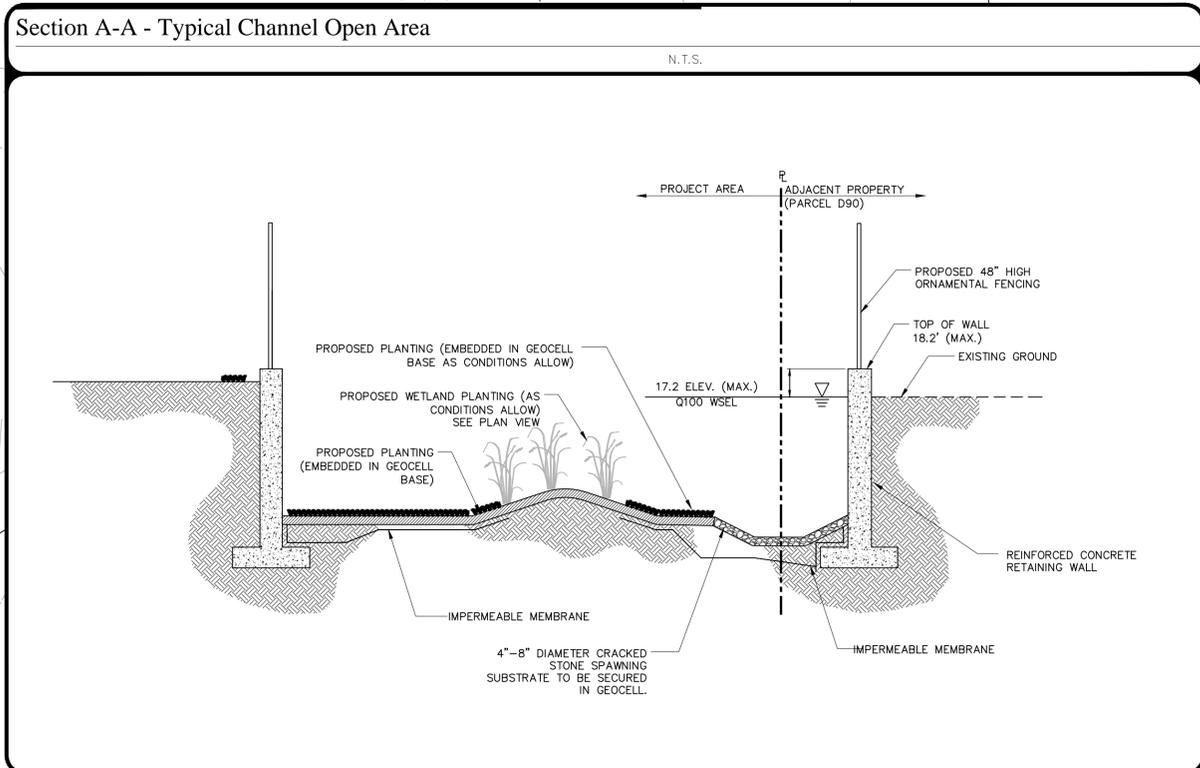
* USGS TOPOGRAPHIC MAPS FROM THE OFFICE OF GEOGRAPHIC AND ENVIRONMENTAL INFORMATION (MassGIS), COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF ENERGY AND ENVIRONMENTAL AFFAIRS.

Project Title	
Quincy Center Redevelopment Town Brook Enhancement Project	
QUINCY, MASSACHUSETTS	
Drawing Title	
Vicinity Map	
Drawing #	Sheet of
SUP-0	0 5
Project #	Date
10-006	Sept.14, 2012



- Notes**
- ELEVATIONS REFERENCED IN THIS DRAWING REFLECT NAVD 1988 ELEVATIONS. ELEVATIONS REFERENCED FROM QUINCY CENTER CONCOURSE - SECTION 2 HAVE BEEN ADJUSTED FROM PREVIOUS DATUM (NGVD 1929) BY DATUM RELATIONSHIP ADJUSTMENTS SHOWN HEREON.
 - CONTRACTOR TO PROVIDE SUPPORT FOR AND MAINTAIN EXISTING UTILITIES IN WORKING ORDER DURING CONSTRUCTION, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL SUBMIT TO OWNER FOR REVIEW PRIOR TO PERFORMING WORK.
 - DESIGN OUTSIDE LIMITS OF SCOPE OF WORK ARE SHOWN FOR REFERENCE ONLY.
 - NO WORK IS TO BE DONE WITHIN REGULATED JURISDICTIONAL RIVERFRONT AREA PRIOR TO OBTAINING NECESSARY PERMITS.

IMPROVEMENTS/MITIGATION SHOWN ON ADJACENT PROPERTY (PARCEL D90) PER THIS ALTERNATE WORK PLAN MAY BE IMPLEMENTED UPON WRITTEN CONSENT OF PROPERTY OWNER, UPON AN EMINENT DOMAIN TAKING, OR AS OTHERWISE MAY BE AUTHORIZED IN ACCORDANCE WITH THE LAWS OF THE COMMONWEALTH.



+0.80 - USGS DATUM (1929 NGVD)
 0' - PROJECT DATUM (NAVD 1988)

SDG

STEPHENSON DESIGN GROUP, LLC
 Civil Engineering-Strategic Planning-Municipal Services
 51 SLEEPER STREET, SUITE 600
 BOSTON, MASSACHUSETTS 02210
 PHONE: 617.695.7799

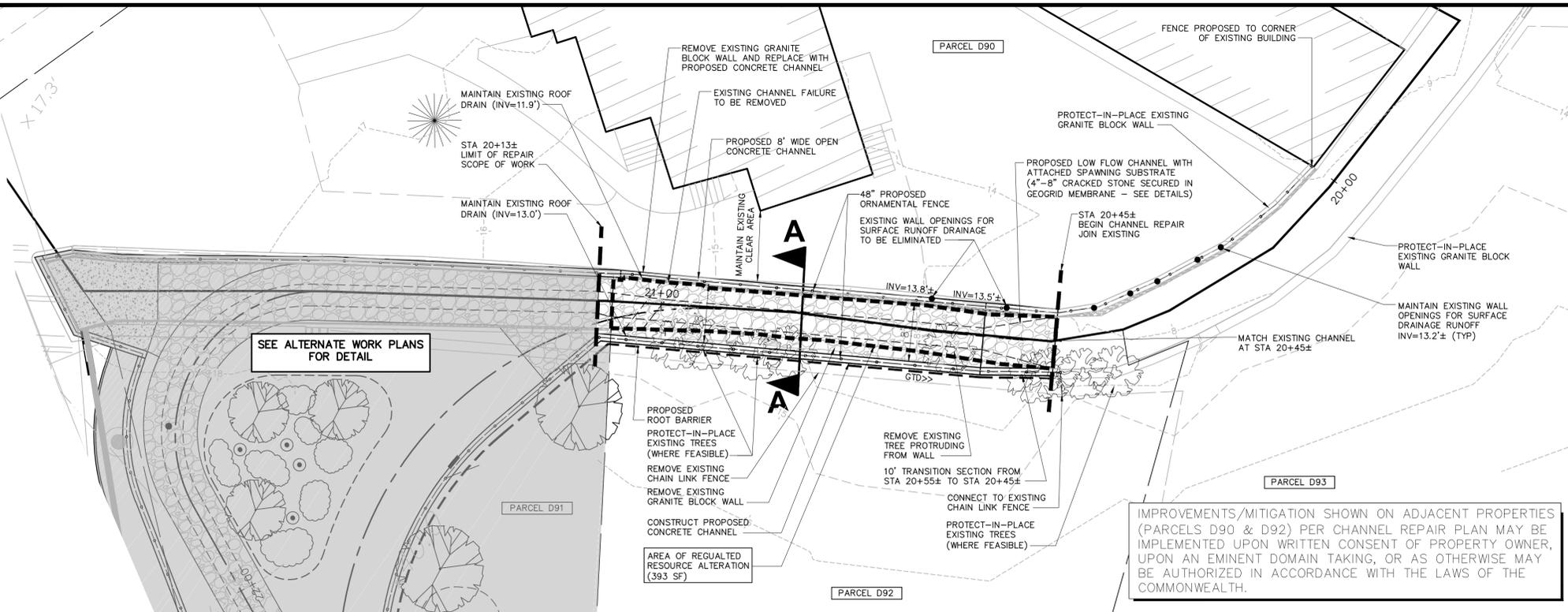
Project Title
 Quincy Center Redevelopment
 Town Brook Enhancement
 Project

QUINCY, MASSACHUSETTS

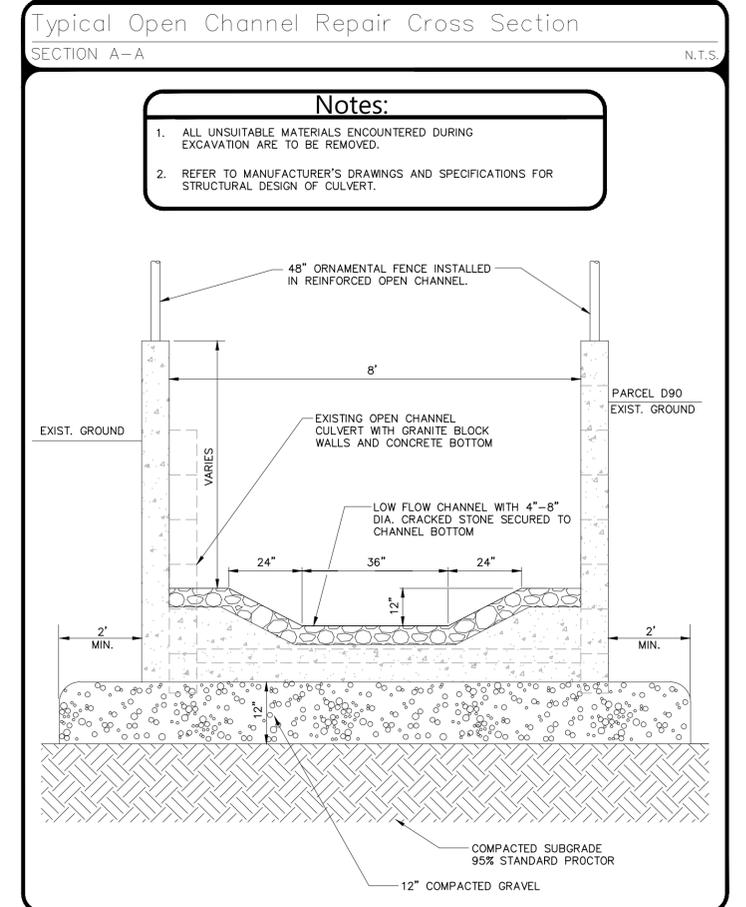
Drawing Title
 Alternate Work Plan

Drawing # SUP-1	Sheet of 1 5
Project # 10-006	Date September 4, 2012

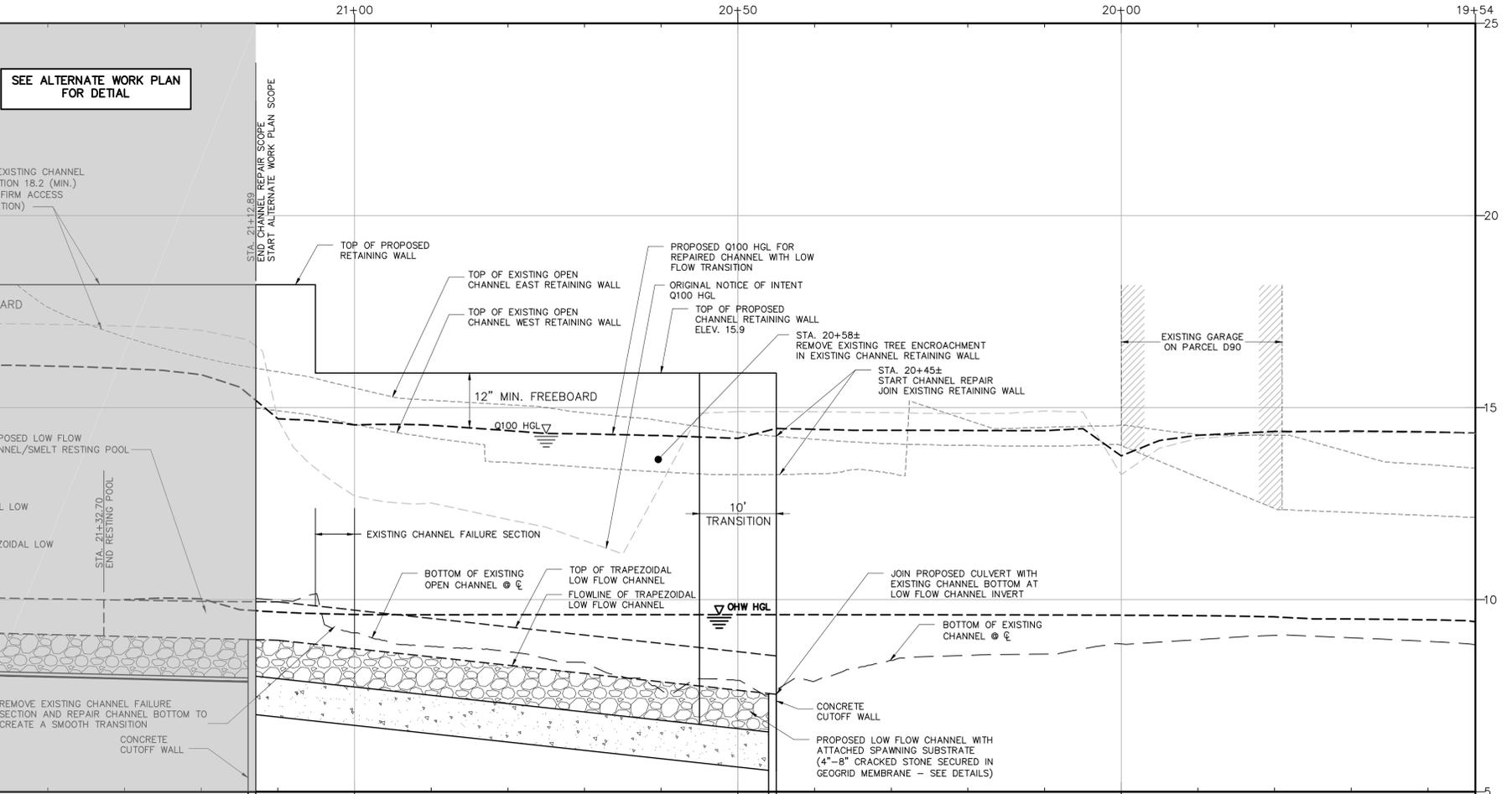
PROX LOCATION OF 30' WIDE PERMANENT SUBSURFACE EASEMENT (TOWN BROOK TUNNEL)



PROPOSED CHANNEL REPAIR - PLAN VIEW
1"=20'



- Notes:**
1. ALL UNSUITABLE MATERIALS ENCOUNTERED DURING EXCAVATION ARE TO BE REMOVED.
 2. REFER TO MANUFACTURER'S DRAWINGS AND SPECIFICATIONS FOR STRUCTURAL DESIGN OF CULVERT.



PROPOSED CHANNEL REPAIR- PROFILE VIEW
1"=20' H
1"=4' V

- Notes:**
1. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF SPECIAL CONDITION #42 OF THE FINAL ORDER OF CONDITIONS FOR THE TOWN BROOK ENHANCEMENT PROJECT (MASSDEP FILE # 59-1261) ISSUED BY MASSDEP ON MAY 30, 2012. SPECIAL CONDITION #42 SPECIFICALLY REQUIRES THAT PRIOR TO THE START OF CONSTRUCTION, FINAL PLANS SHALL BE PROVIDED TO MASSDEP AND DIVISION OF MARINE FISHERIES FOR REVIEW AND APPROVAL INCLUDING DETAIL OF THE VERTICAL TRANSITION POINT IN PROXIMITY TO THE DOWNSTREAM LIMITS OF WORK AT APPROXIMATELY STATION 21+00 SHOWING HOW A SMOOTHER VERTICAL TRANSITION AT THE CHANNEL BOTTOM MAY BE IMPLEMENTED IN THIS AREA TO IMPROVE THE CONDITIONS RESULTING FROM THE EXISTING CHANNEL FAILURE IN THIS LOCATION, TO THE EXTENT PRACTICABLE, AND PROVIDED IT CAN BE DEMONSTRATED THAT NO ADVERSE CHANNEL DESIGN PERFORMANCE ISSUES CAN BE SHOWN TO RESULT FROM THIS REPAIR.
 2. ELEVATIONS REFERENCED IN THIS DRAWING REFLECT NAVD 1988 ELEVATIONS. ELEVATIONS REFERENCED FROM QUINCY CENTER CONCOURSE - SECTION 2 HAVE BEEN ADJUSTED FROM PREVIOUS DATUM (NGVD 1929) BY DATUM RELATIONSHIP ADJUSTMENTS SHOWN HEREON.
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 4. CONTRACTOR TO MAINTAIN STRUCTURAL INTEGRITY OF EXISTING CHANNEL WALLS DURING CONSTRUCTION. STRUCTURAL ENGINEER SHALL VERIFY STABILITY AND STRUCTURAL INTEGRITY OF EXISTING WALLS AT PROPOSED CONNECTION PRIOR TO CONSTRUCTION.
 5. EXISTING TREES ALONG TOWN BROOK ON PARCEL D92 SHALL BE PROTECTED-IN-PLACE WHERE FEASIBLE. IF EXISTING TREES CANNOT BE PROTECTED-IN-PLACE DUE TO CONSTRUCTION LIMITATIONS, THE EXISTING TREES SHALL BE REMOVED AND REPLACED WITH NEW TREES CONSISTENT WITH THE LANDSCAPING PROPOSED ALONG THE OPEN CHANNEL REACHES OF TOWN BROOK AS PART OF THE TOWN BROOK ENHANCEMENT PROJECT.

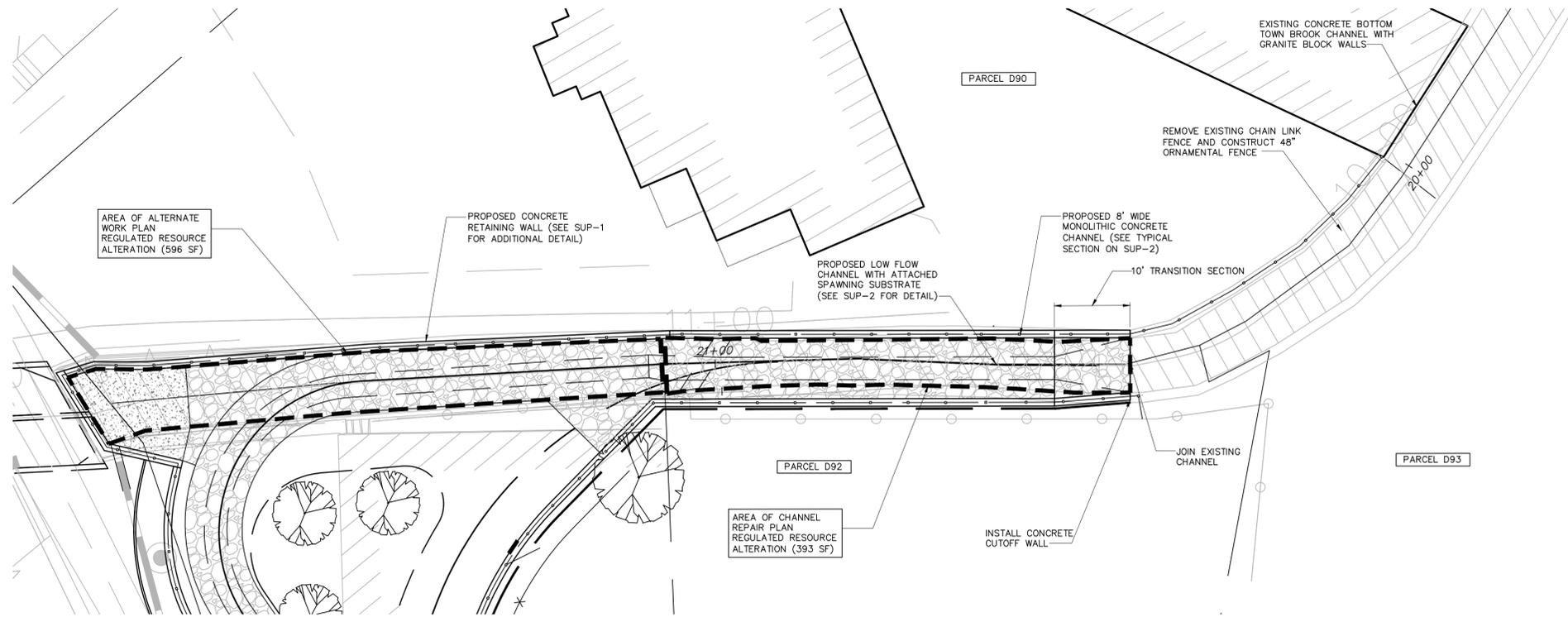


+0.80 - USGS DATUM (1929 NGVD)
 0' - PROJECT DATUM (NAVD 1988)

STEPHENSON DESIGN GROUP, LLC
 Civil Engineering-Strategic Planning-Municipal Services
 51 SLEEPER STREET, SUITE 600
 BOSTON, MASSACHUSETTS 02210
 PHONE: 617.695.7799

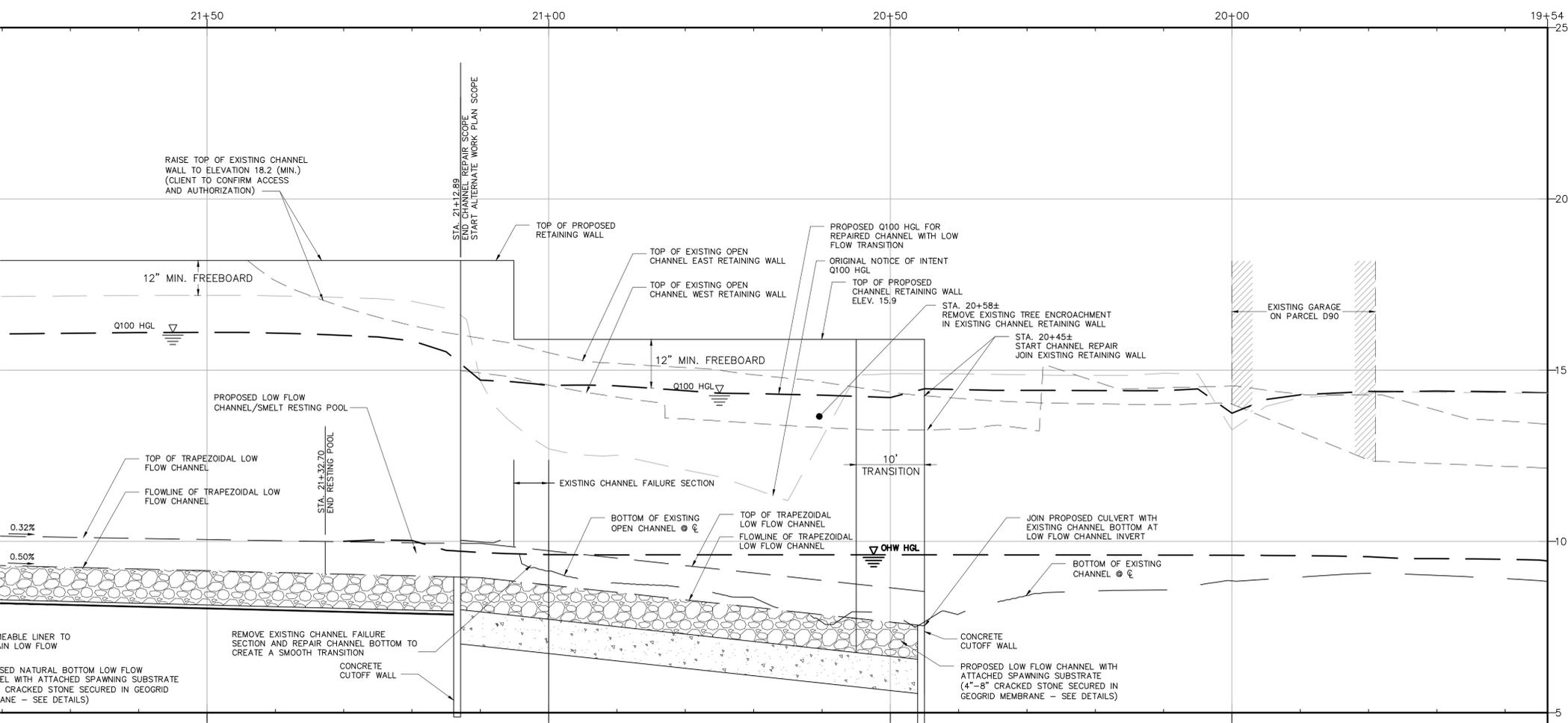
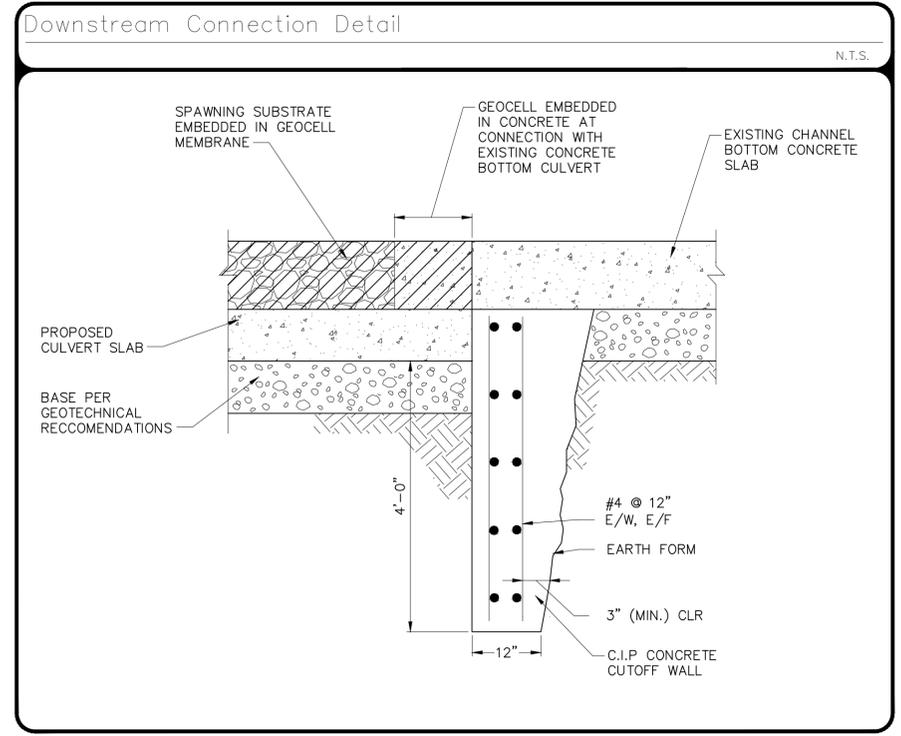
Project Title
 Quincy Center Redevelopment
 Town Brook Enhancement
 Project
QUINCY, MASSACHUSETTS
Drawing Title
 Channel Repair Plan

Drawing #	Sheet	of
SUP-2	2	5
Project #	Date	
10-006	September 4, 2012	



DOWNSTREAM CONNECTION POINT - PLAN VIEW

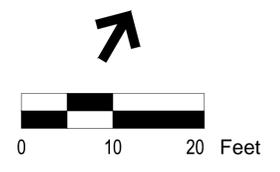
1"=20'



DOWNSTREAM CONNECTION POINT - PROFILE VIEW

1"=20'

1"=4' V



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+0.80 - USGS DATUM (1929 NGVD)

0' - PROJECT DATUM (NAVD 1988)



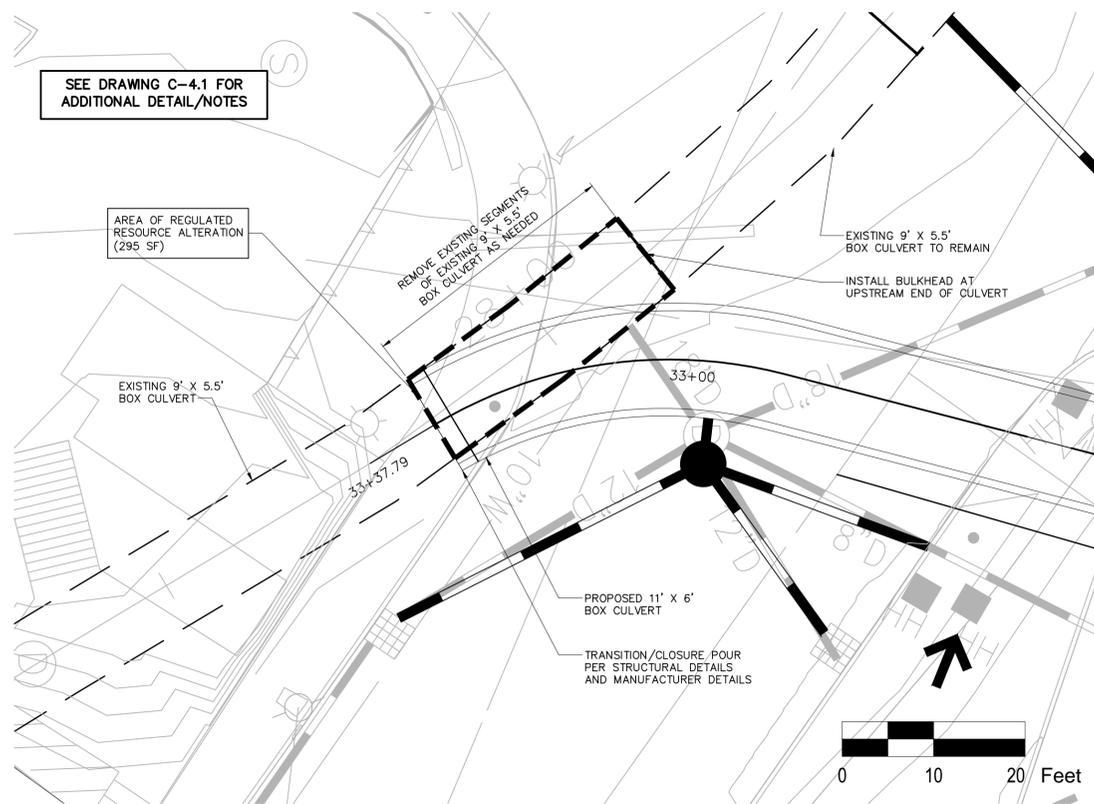
STEPHENSON DESIGN GROUP, LLC
 Civil Engineering-Strategic Planning-Municipal Services
 51 SLEEPER STREET, SUITE 600
 BOSTON, MASSACHUSETTS 02210
 PHONE: 617.695.7799

Project Title
 Quincy Center Redevelopment
 Town Brook Enhancement
 Project

Project Location
 QUINCY, MASSACHUSETTS

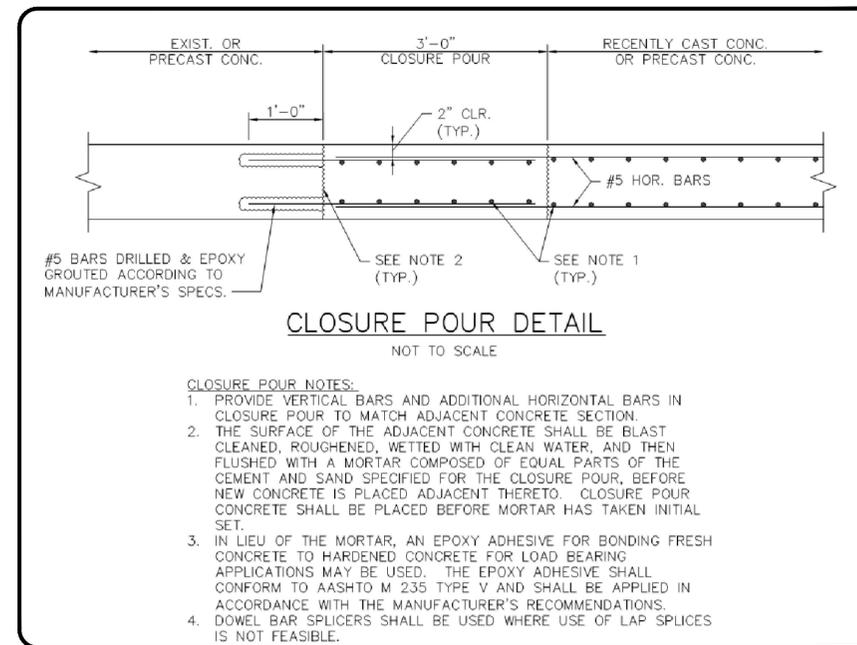
Drawing Title
 Proposed Town Brook
 Downstream Connection
 Point Details

Drawing # SUP-3	Sheet 3	of 5
Project # 10-006	Date September 4, 2012	



UPSTREAM CONNECTION POINT - PLAN VIEW

1"=20'

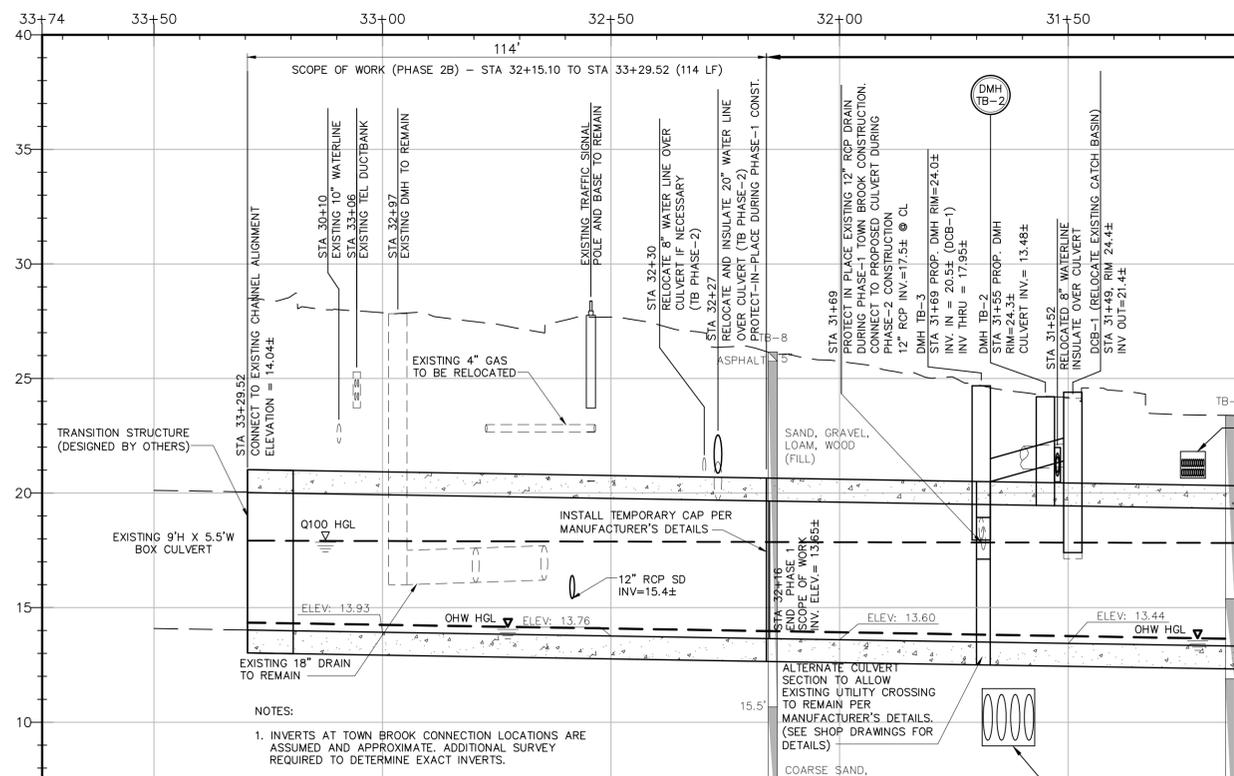


CLOSURE POUR NOTES:

1. PROVIDE VERTICAL BARS AND ADDITIONAL HORIZONTAL BARS IN CLOSURE POUR TO MATCH ADJACENT CONCRETE SECTION.
2. THE SURFACE OF THE ADJACENT CONCRETE SHALL BE BLAST CLEANED, ROUGHENED, WETTED WITH CLEAN WATER, AND THEN FLUSHED WITH A MORTAR COMPOSED OF EQUAL PARTS OF THE CEMENT AND SAND SPECIFIED FOR THE CLOSURE POUR, BEFORE NEW CONCRETE IS PLACED ADJACENT THERETO. CLOSURE POUR CONCRETE SHALL BE PLACED BEFORE MORTAR HAS TAKEN INITIAL SET.
3. IN LIEU OF THE MORTAR, AN EPOXY ADHESIVE FOR BONDING FRESH CONCRETE TO HARDENED CONCRETE FOR LOAD BEARING APPLICATIONS MAY BE USED. THE EPOXY ADHESIVE SHALL CONFORM TO AASHTO M 235 TYPE V AND SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
4. DOWEL BAR SPLICERS SHALL BE USED WHERE USE OF LAP SPLICES IS NOT FEASIBLE.

Notes

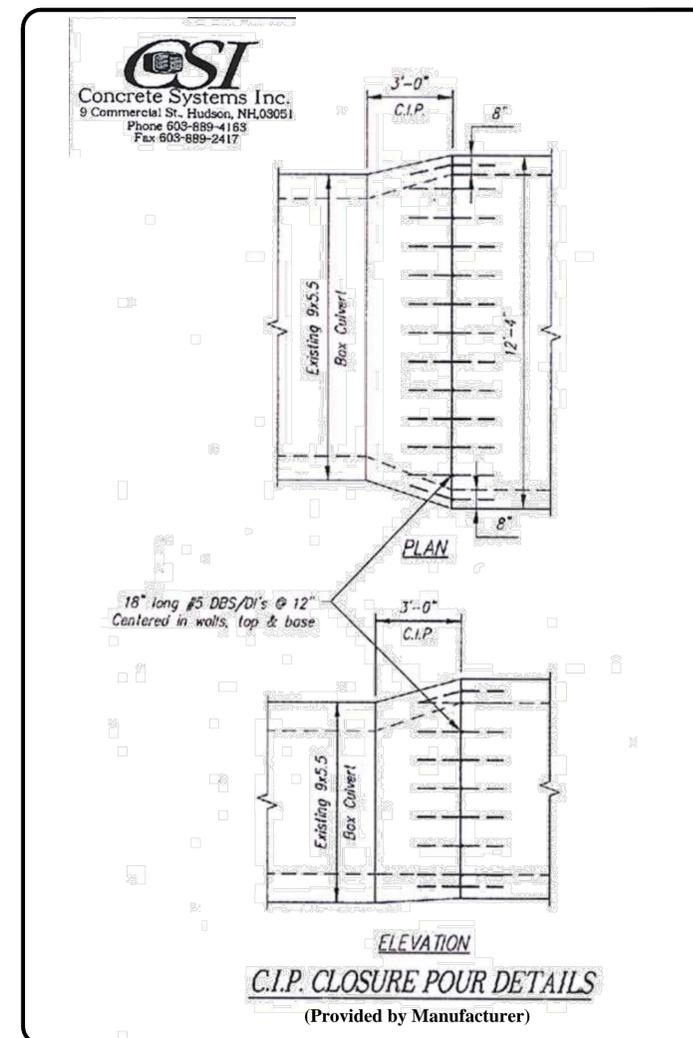
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4. CONTRACTOR TO VERIFY EXISTING CULVERT SIZE AND LOCATION PRIOR TO CONNECTION.



UPSTREAM CONNECTION POINT - PROFILE VIEW

1"=40' H

1"=8' V



+0.80 - USGS DATUM (1929 NGVD)
0.80'
0' - PROJECT DATUM (NAVD 1988)

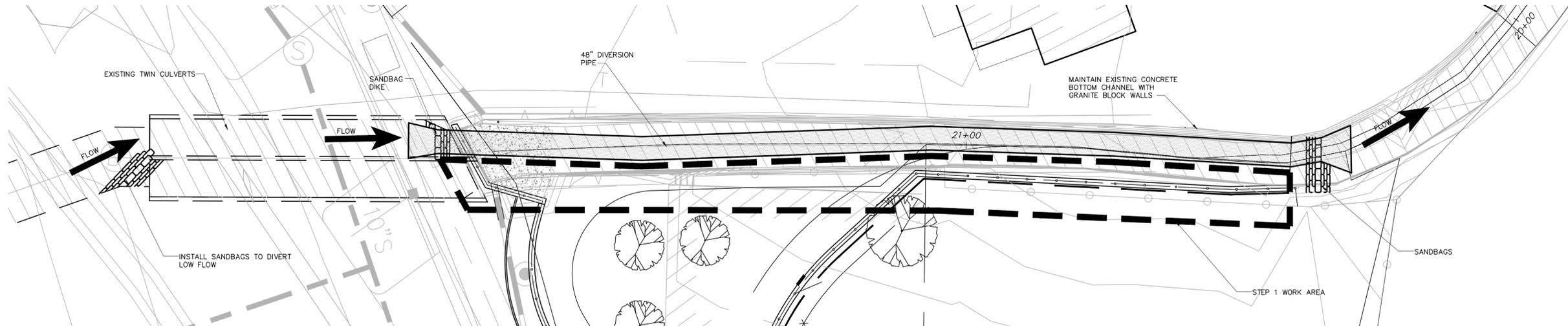


STEPHENSON DESIGN GROUP, LLC
Civil Engineering-Strategic Planning-Municipal Services
51 SLEEPER STREET, SUITE 600
BOSTON, MASSACHUSETTS 02210
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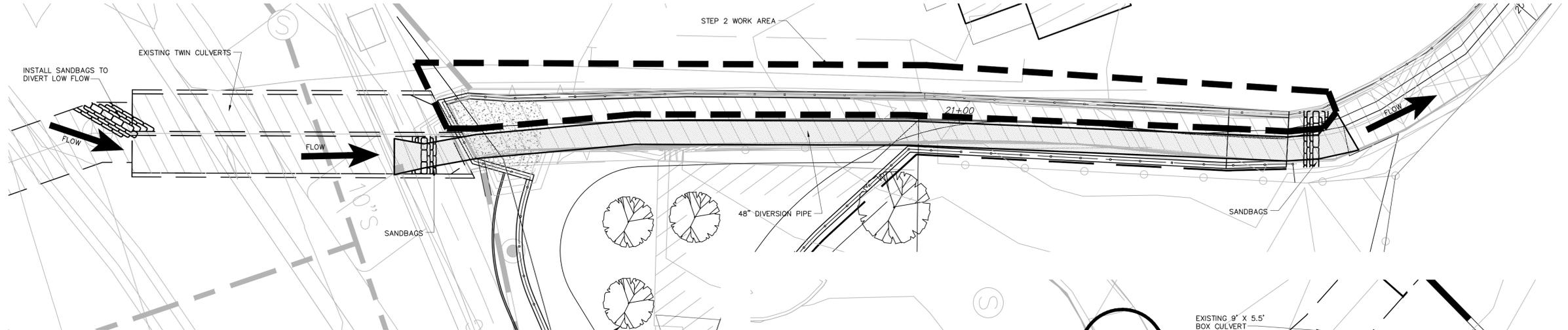
Project Title
Quincy Center Redevelopment
Town Brook Enhancement
Project
QUINCY, MASSACHUSETTS
Drawing Title
Proposed Town Brook
Upstream Connection
Point Details

Drawing # SUP-4 Sheet of 4 5

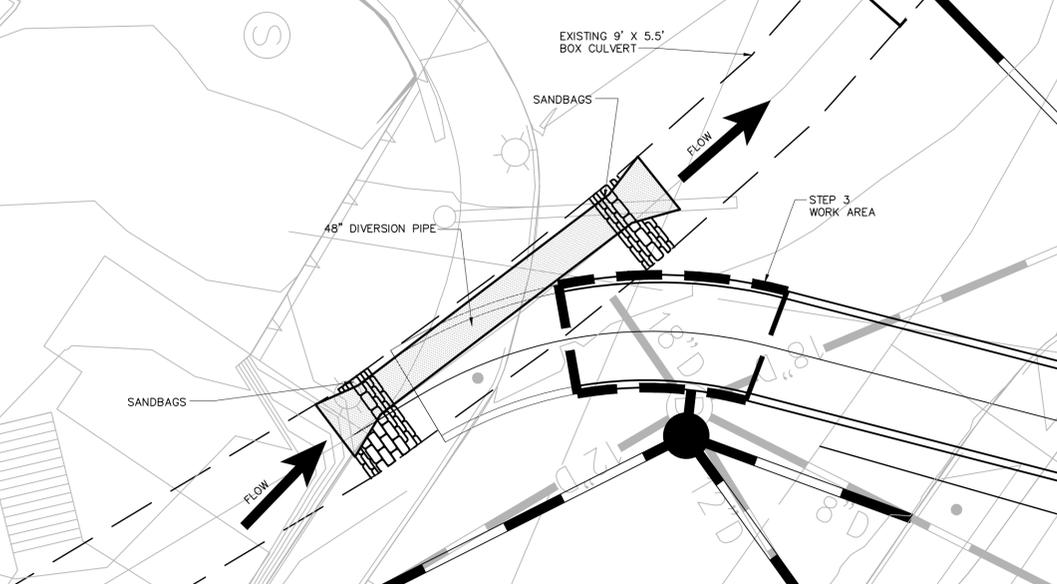
Project # 10-006 Date September 4, 2012



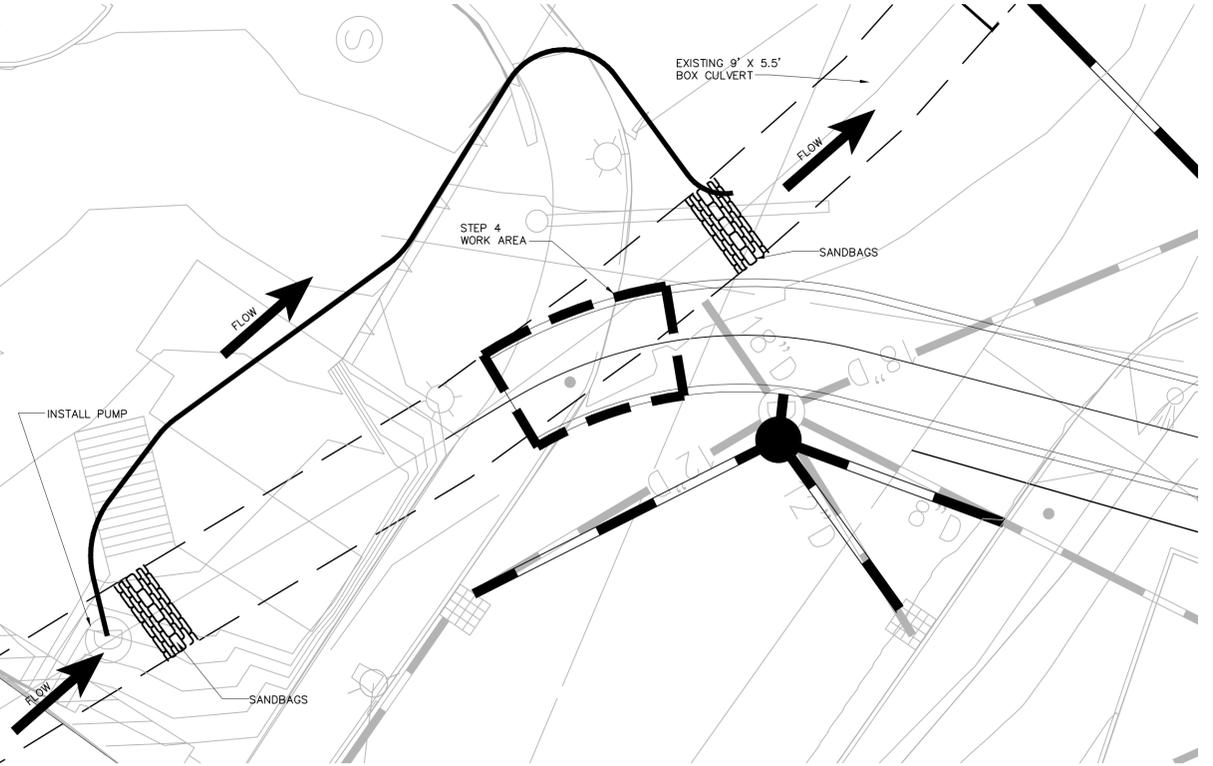
DOWNSTREAM CONNECTION FLOW DIVERSION - STEP 1
1"=20'



DOWNSTREAM CONNECTION FLOW DIVERSION - STEP 2
1"=20'

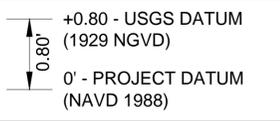
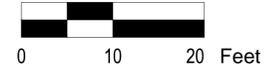


UPSTREAM CONNECTION FLOW DIVERSION - STEP 3
1"=20'



UPSTREAM CONNECTION FLOW DIVERSION - STEP 4
1"=20'

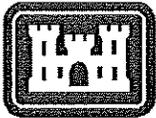
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 4. CONTRACTOR TO VERIFY EXISTING CULVERT SIZE AND LOCATION PRIOR TO CONNECTION.



STEPHENSON DESIGN GROUP, LLC
Civil Engineering-Strategic Planning-Municipal Services
51 SLEEPER STREET, SUITE 600
BOSTON, MASSACHUSETTS 02210
PHONE: 617.695.7799

Project Title
Quincy Center Redevelopment
Town Brook Enhancement
Project
QUINCY, MASSACHUSETTS
Drawing Title
Proposed Town Brook
Temporary Flow Diversion Plan

Drawing # SUP-5	Sheet of 5 5
Project # 10-006	Date September 4, 2012



**US Army Corps
of Engineers** ®
New England District

**GENERAL PERMIT
WORK-START NOTIFICATION FORM**
(Minimum Notice: Two weeks before work begins)

* MAIL TO: U.S. Army Corps of Engineers, New England District *
* Permits and Enforcement Branch *
* Regulatory Division *
* 696 Virginia Road *
* Concord, Massachusetts 01742-2751 *

Corps of Engineers Permit No. NAE-2010-1986 was issued to the City of Quincy, Massachusetts, in October, 2012. This project is located in Town Brook through Quincy Center in Quincy, Massachusetts. The permit authorized the permittee to place approximately 1284 square feet of fill within waters of the United States in order to relocate and enhance a portion of the Town Brook in Quincy, Massachusetts. The project will also have approximately 17,040 SF of secondary impacts due to the abandonment of existing underground stormwater culverts from the upstream to the downstream connection points which currently convey the flow of the Town Brook. However, the proposed project will construct approximately 14,960 SF of new culverts to convey the Town Brook.

The people (e.g., contractor) listed below will do the work, and they understand the permit's conditions and limitations.

PLEASE PRINT OR TYPE

Name of Person/Firm: _____

Business Address: _____

Telephone Numbers: () _____ () _____

Proposed Work Dates: Start: _____ Finish: _____

Permittee/Agent Signature: _____ **Date:** _____

Printed Name: _____ **Title:** _____

Date Permit Issued: _____ **Date Permit Expires:** _____

FOR USE BY THE CORPS OF ENGINEERS

PM: Kevin Kotelly **Submittals Required:** No.

Inspection Recommendation: _____



**US Army Corps
of Engineers** ®
New England District

(Minimum Notice: Permittee must sign and return notification
within one month of the completion of work.)

COMPLIANCE CERTIFICATION FORM

Permit Number: NAE-2010-1986

Project Manager Kevin Kotelly

Name of Permittee: The City of Quincy, Massachusetts

Permit Issuance Date: October, 2012

Please sign this certification and return it to the following address upon completion of the activity and any mitigation required by the permit. You must submit this after the mitigation is complete, but not the mitigation monitoring, which requires separate submittals.

* MAIL TO: U.S. Army Corps of Engineers, New England District *
* Permits and Enforcement Branch A *
* Regulatory Division *
* 696 Virginia Road *
* Concord, Massachusetts 01742-2751 *

Please note that your permitted activity is subject to a compliance inspection by an U.S. Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above referenced permit was completed in accordance with the terms and conditions of the above referenced permit, and any required mitigation was completed in accordance with the permit conditions.

Signature of Permittee

Date

Printed Name

Date of Work Completion

() _____
Telephone Number

() _____
Telephone Number