



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

# PUBLIC NOTICE

**Comment Period Begins: November 12, 2019**

**Comment Period Ends: December 13, 2019**

**File Number: NAE-2019-1316**

**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 conduct work in waters of the United States from Mr. Geoffrey Rockwell, 35 Everett Street, Arlington, Massachusetts 02474. This work is proposed within Rockwell Pond, the Scantic River and Rock-A-Dundee Brook at 61 Rock-A-Dundee Road in Hampden, Massachusetts. The site coordinates are: Latitude 42.04408° N, Longitude -72.38369° W.

The work involves grading and the discharge of dredged and/or fill material into approximately **3.3** acres of the Rockwell Pond, the Scantic River and Rock-A-Dundee Brook as part of deepening the existing Rockwell Pond. Rockwell Pond is an in-river impoundment located on the Scantic River. The purpose for this project is to remove 4 to 8 feet of accumulated sediment from the pond in order to improve recreational uses (boating and fishing). The applicant proposes to dewater the pond using stilling basins and 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 applicant will install a temporary 15-foot wide construction roadway to access Rockwell Pond. Approximately **20,500** cubic yards of accumulated sediment (sands, silts, and organic mucks) will be permanently disposed at an on-site upland disposal area.

The work is shown on the enclosed plans entitled “ROCKWELL POND DREDGING, HAMPDEN, MASSACHUSETTS,” on a total of 10 sheets, and dated “NOV. 2018” and revised “MARCH 17, 2019”.

As part of the development of plans for this pond deepening project, the applicant has adjusted the scope of this project to avoid and minimize impacts to important environmental areas (turtle habitat), where possible. The Corps continues to evaluate whether mitigation will be required in order to compensate for unavoidable impacts associated with this project.

## AUTHORITY

Permits are required pursuant to:

Section 10 of the Rivers and Harbors Act of 1899

Section 404 of the Clean Water Act

Section 103 of the Marine Protection, Research and Sanctuaries Act.

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

**CENAE-R**

**FILE # NAE-2019-1316**

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

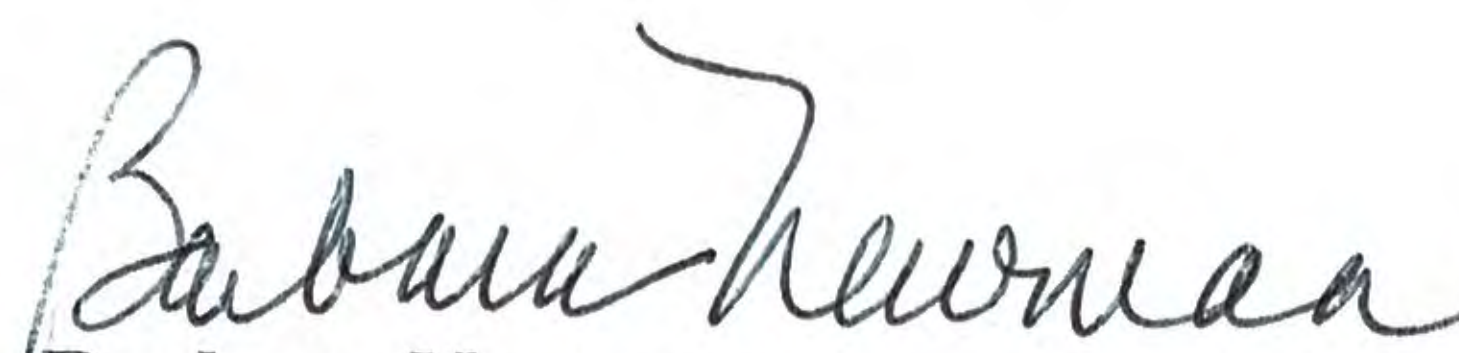
**COMMENTS**

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 Mr. 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 Corps 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.**



**Barbara Newman**  
**Chief, Permits and Enforcement Branch**  
**Regulatory Division**

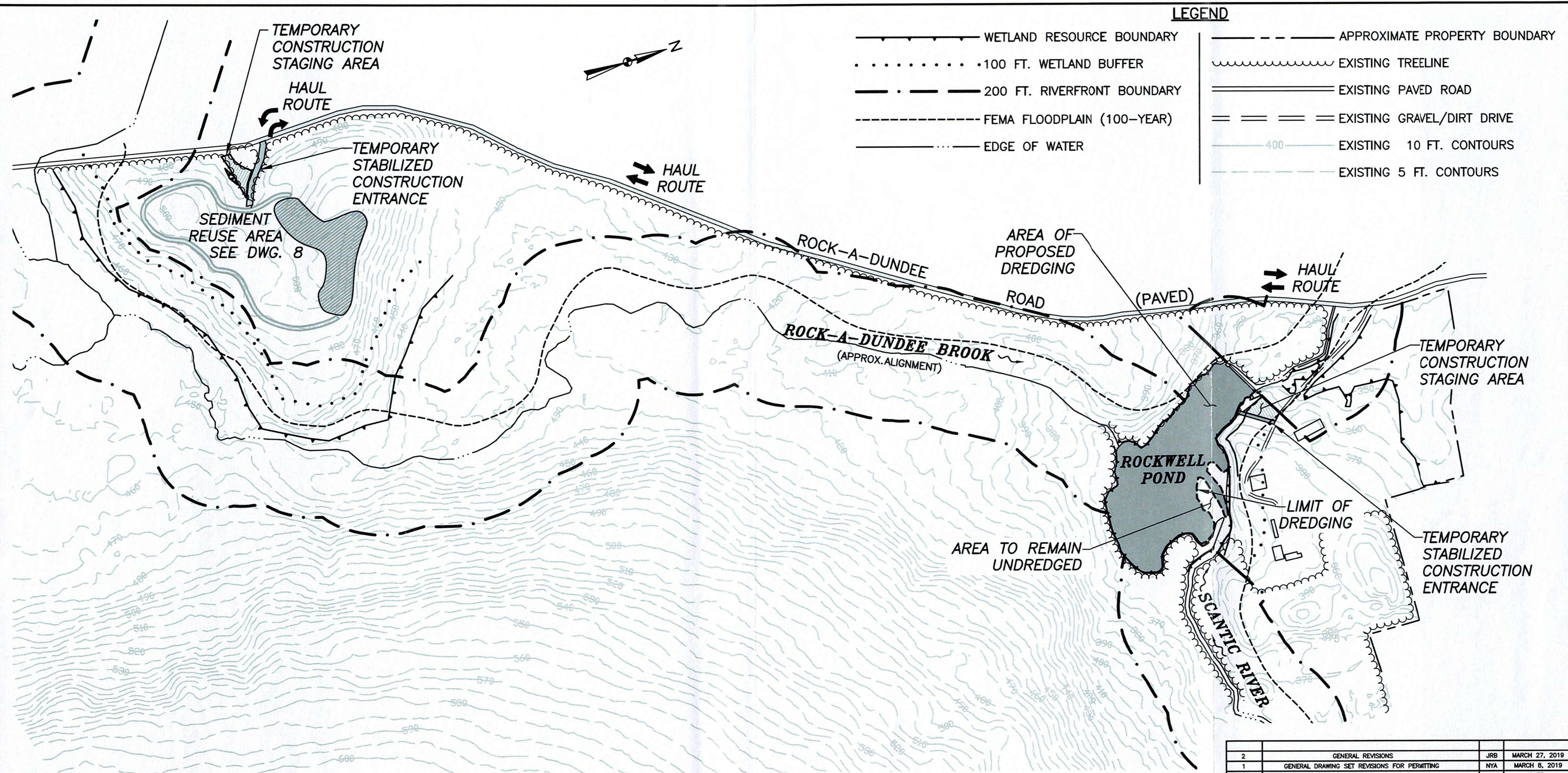
If you would prefer not to continue receiving Public Notices by email, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at [bettina.m.chaisson@usace.army.mil](mailto:bettina.m.chaisson@usace.army.mil). You may also check here ( ) and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

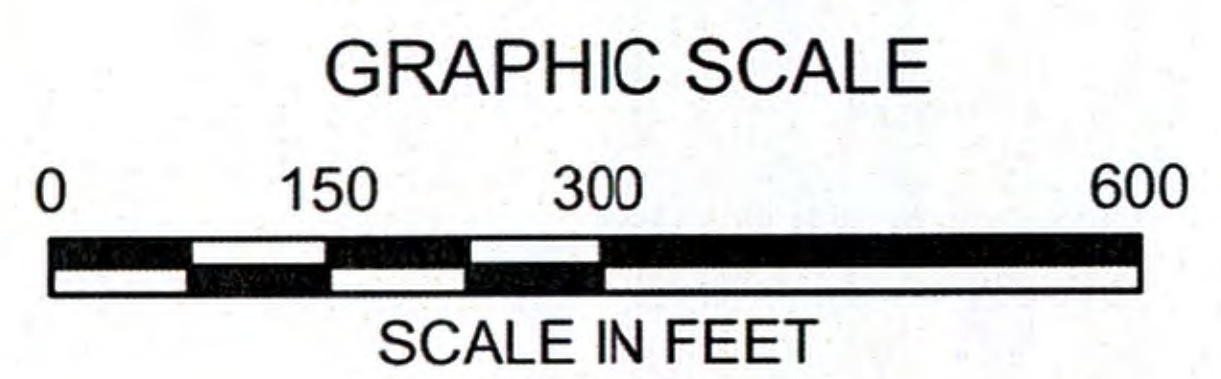
PHONE: \_\_\_\_\_

©2018 - GZA GeoEnvironmental, Inc. GZA-J:\0 166500 - 0 166599\15.0166562.00 Rockwell Pond Dredging\15.0166562.00 CAD\dwg\562.00-BASE.dwg [OVERALL]



**GENERAL PLAN NOTES:**

1. UPLAND TOPOGRAPHIC AND PLANIMETRIC INFORMATION OBTAINED FROM THE MASSACHUSETTS GEOGRAPHIC INFORMATION SYSTEM (MASSGIS).
2. EXISTING CONDITIONS AT THE DAM WERE OBTAINED FROM A PLAN ENTITLED "ROCKWELL DAM IMPROVEMENTS" PREPARED BY TIGHE & BOND, INC. PLAN IS STAMPED "PROGRESS PRINT", DATED MAY, 2000; PLAN VERTICAL DATUM IS LOCALLY ASSUMED.
3. EXISTING BATHYMETRY AND ESTIMATED BOTTOM OF SEDIMENT WITHIN ROCKWELL POND WAS OBTAINED BY GZA GEOENVIRONMENTAL, INC., NOVEMBER 2 & 10, 2016; VERTICAL DATUM IS SPILLWAY CREST EL. 91.6 FROM PLAN OF DAM (SEE NOTE 2, ABOVE).
4. WETLAND DELINEATION BY GZA GEOENVIRONMENTAL, INC., DECEMBER 2016 AND DECEMBER 2017.



NO.	ISSUE/DESCRIPTION	BY	DATE
2	GENERAL REVISIONS	JRB	MARCH 27, 2019
1	GENERAL DRAWING SET REVISIONS FOR PERMITTING	NYA	MARCH 8, 2019

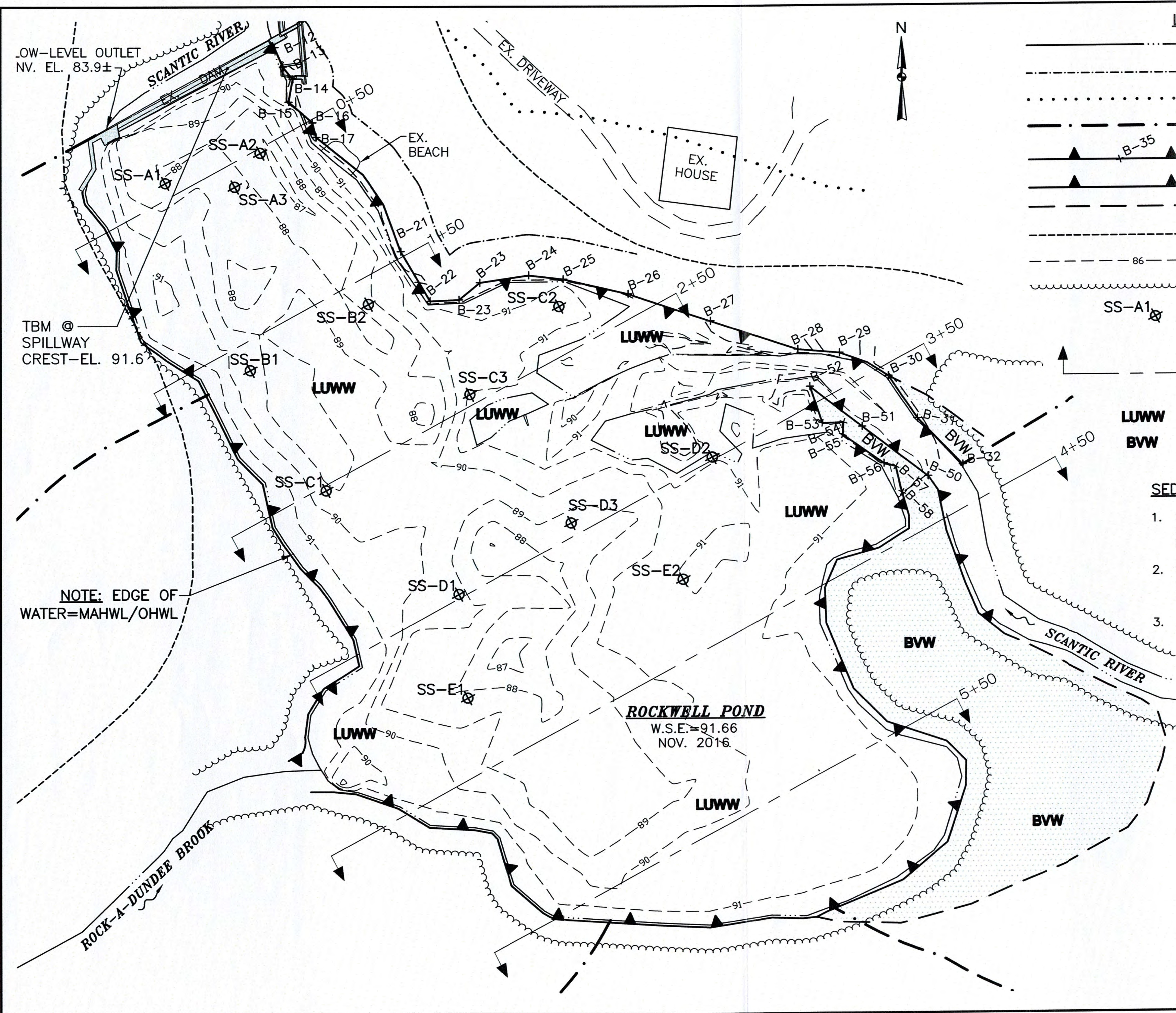
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**OVERALL PLAN**

**ROCKWELL POND DREDGING  
HAMPDEN, MASSACHUSETTS**

PREPARED BY: <b>GZA</b> GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: MAIDSTONE FARM c/o GEOFFREY M. ROCKWELL ROCK-A-DUNDEE ROAD HAMPDEN, MA		
PROJ MGR: NYA DESIGNED BY: NYA DATE: NOV. 2018	REVIEWED BY: PGD DRAWN BY: EDM PROJECT NO. 15.0166562.00	CHECKED BY: TEJ SCALE: 1"=300' REVISION NO. -	DRAWING <b>1</b>

©2018 - GZA GeoEnvironmental, Inc. GZA-J:\0 166500 - 0 166599\15.0166562.00 Rockwell Pond Dredging\15.0166562.00 CAD\dwg\562.00-BASE.dwg [POND BOT CONTOURS]

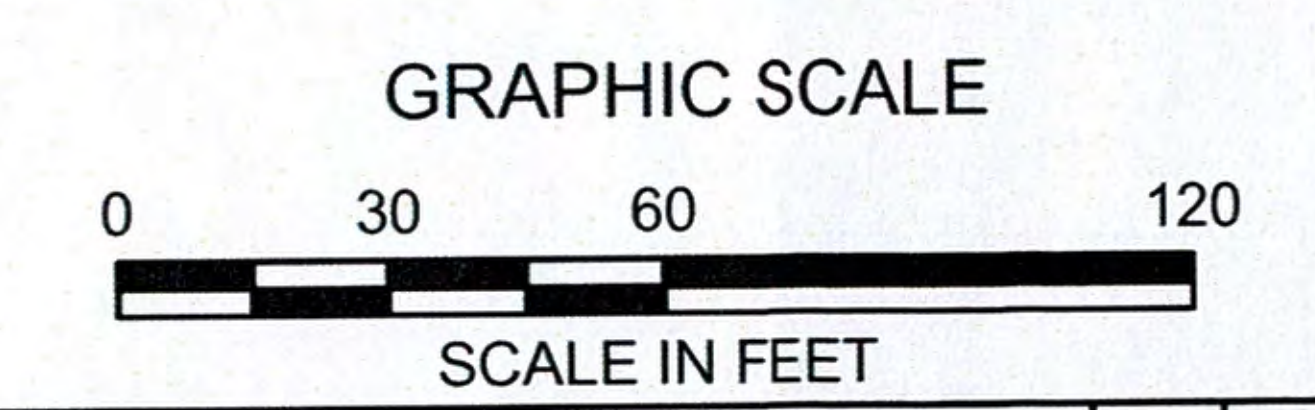


**LEGEND**

- EDGE OF WATER (11-15-2016)
- - - - - 25 FT. NO DISTURB BOUNDARY (TOWN BYLAW)
- ..... 100 FT. WETLAND BUFFER ZONE BOUNDARY
- · - · - · 200 FT. RIVERFRONT AREA BOUNDARY
- ▲▲▲▲▲ FLAGGED BANK/MAHWL/OHWL
- ▲▲▲▲▲ ESTIMATED BANK/MAHWL/OHWL
- - - - - ESTIMATED BWL LIMIT
- - - - - FEMA FLOODPLAIN (100-YEAR)
- - - - - 86 - - - - - EXISTING POND BOTTOM CONTOUR (NOV. 2016)
- ~~~~~ TREELINE
- ⊗ SS-A1 SEDIMENT SAMPLE LOCATION
- ↑ CROSS-SECTION
- LUWW LAND UNDER WATERBODIES AND WATERWAYS
- BWB BORDERING VEGETATED WETLANDS

**SEDIMENT SAMPLE NOTES:**

1. SAMPLES SS-A1, SS-A2, SS-B1, SS-B2, SS-C1, AND SS-C2 COLLECTED BY GZA GEOENVIRONMENTAL, INC. MAY 2, 2017.
2. SAMPLES SS-D1, SS-D2, SS-E1, AND SS-E2 COLLECTED BY GZA GEOENVIRONMENTAL, INC. MAY 3, 2017.
3. SAMPLES SS-A3, SS-C3, AND SS-D3 COLLECTED BY GZA GEOENVIRONMENTAL, INC. NOVEMBER 10, 2017.



1	GENERAL DRAWING SET REVISIONS FOR PERMITTING	NYA	MARCH 8, 2019
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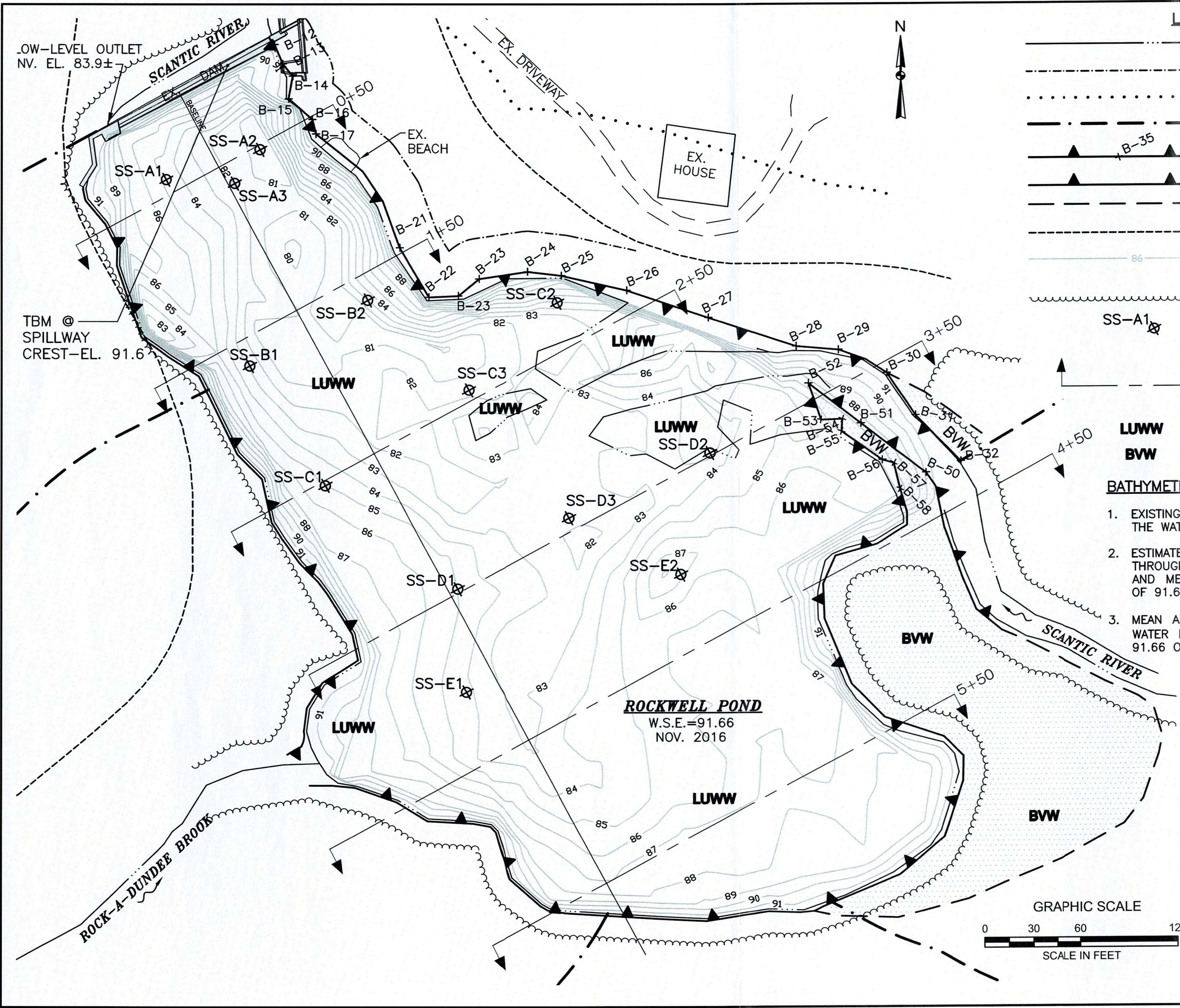
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EXISTING POND BOTTOM CONTOURS AND SEDIMENT SAMPLE LOCATIONS

**ROCKWELL POND DREDGING  
HAMPDEN, MASSACHUSETTS**

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: MAIDSTONE FARM c/o GEOFFREY M. ROCKWELL ROCK-A-DUNDEE ROAD HAMPDEN, MA		
PROJ MGR: NYA	REVIEWED BY: PGD	CHECKED BY: TEJ	DRAWING <b>2</b>
DESIGNED BY: NYA	DRAWN BY: EDM	SCALE: 1"=60'	
DATE: NOV. 2018	PROJECT NO. 15.0166562.00	REVISION NO. -	

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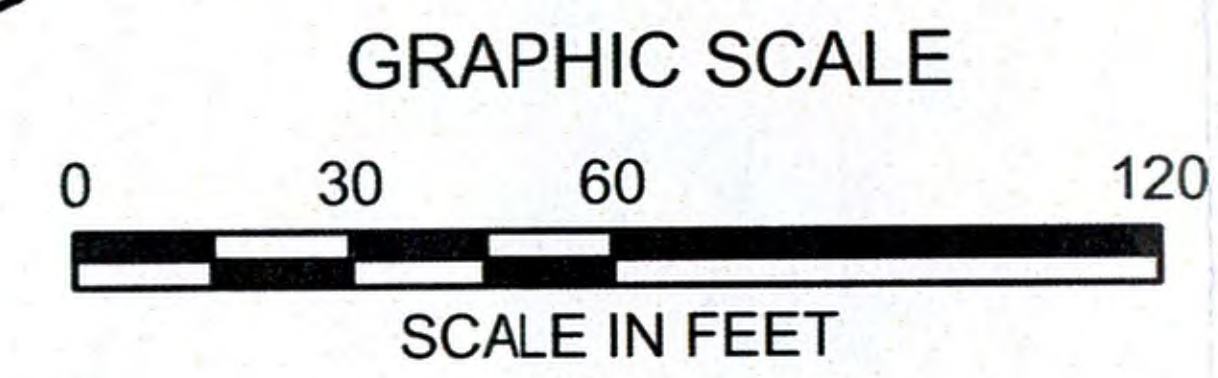


**LEGEND**

- EDGE OF WATER (11-15-2016)
- - - 25 FT. NO DISTURB BOUNDARY (TOWN BYLAW)
- ..... 100 FT. WETLAND BUFFER ZONE BOUNDARY
- - - 200 FT. RIVERFRONT AREA BOUNDARY
- ▲ B-35 FLAGGED BANK/MAHWL/OHWL
- ▲ ESTIMATED BANK/MAHWL/OHWL
- - - ESTIMATED BVW LIMIT
- - - FEMA FLOODPLAIN (100-YEAR)
- 86 ESTIMATED BOTTOM OF SEDIMENT CONTOUR (NOV. 2016)
- ~~~~~ TREELINE
- ⊗ SS-A1 SEDIMENT SAMPLE LOCATION
- ↑ CROSS-SECTION
- LUWW LAND UNDER WATERBODIES AND WATERWAYS
- BWV BORDERING VEGETATED WETLANDS

**BATHYMETRY NOTES:**

1. EXISTING POND BOTTOM OBTAINED BY MEASURING DEPTH FROM THE WATER SURFACE ELEVATION OF 91.66.
2. ESTIMATED BOTTOM OF SEDIMENT OBTAINED BY PROBING THROUGH SEDIMENTS TO REFUSAL BY HAND WITH A STEEL ROD AND MEASURING DEPTH FROM THE WATER SURFACE ELEVATION OF 91.66.
3. MEAN ANNUAL HIGH WATER LINE (MAHWL) AND ORDINARY HIGH WATER LINE (OHWL) ARE APPROXIMATELY 0.5 FT. ABOVE W.S.E. 91.66 OR APPROXIMATELY 92.16.



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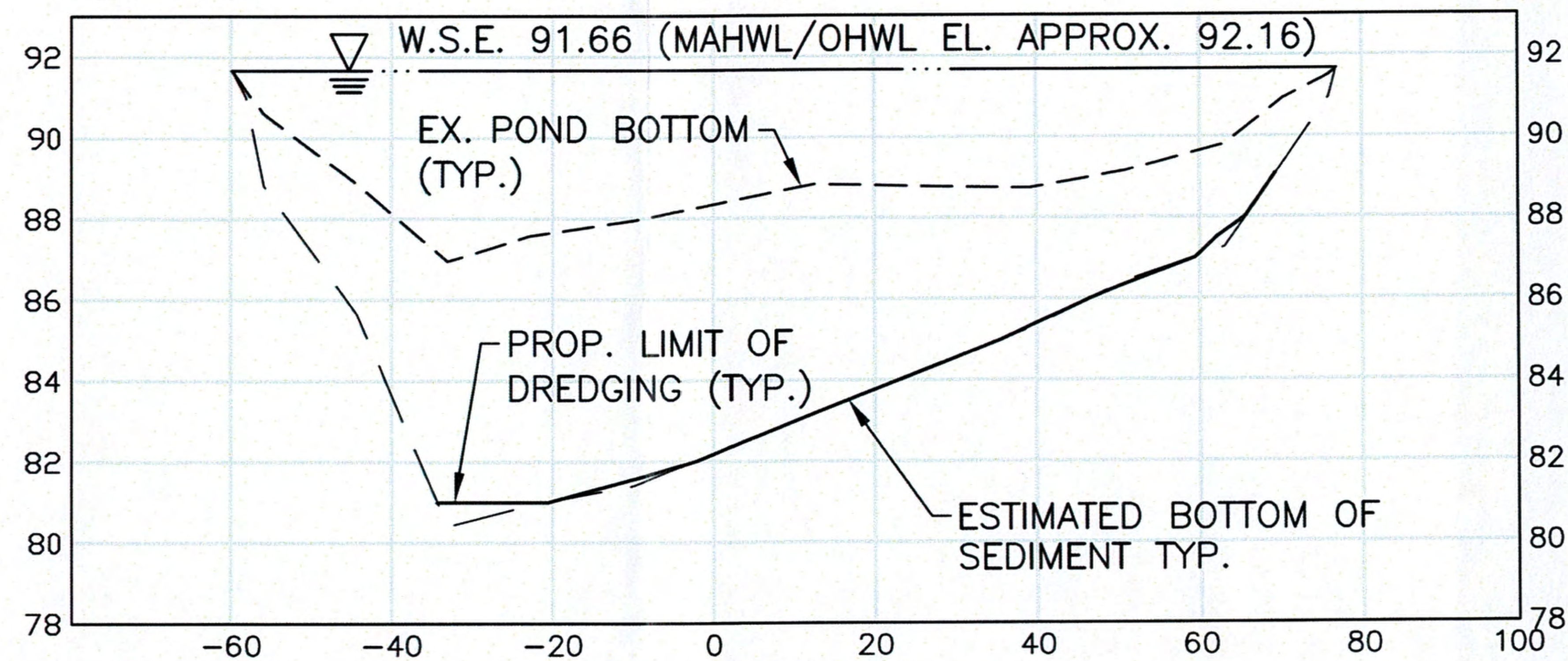
ESTIMATED BOTTOM OF SEDIMENT CONTOURS AND SEDIMENT SAMPLE LOCATIONS

**ROCKWELL POND DREDGING  
HAMPDEN, MASSACHUSETTS**

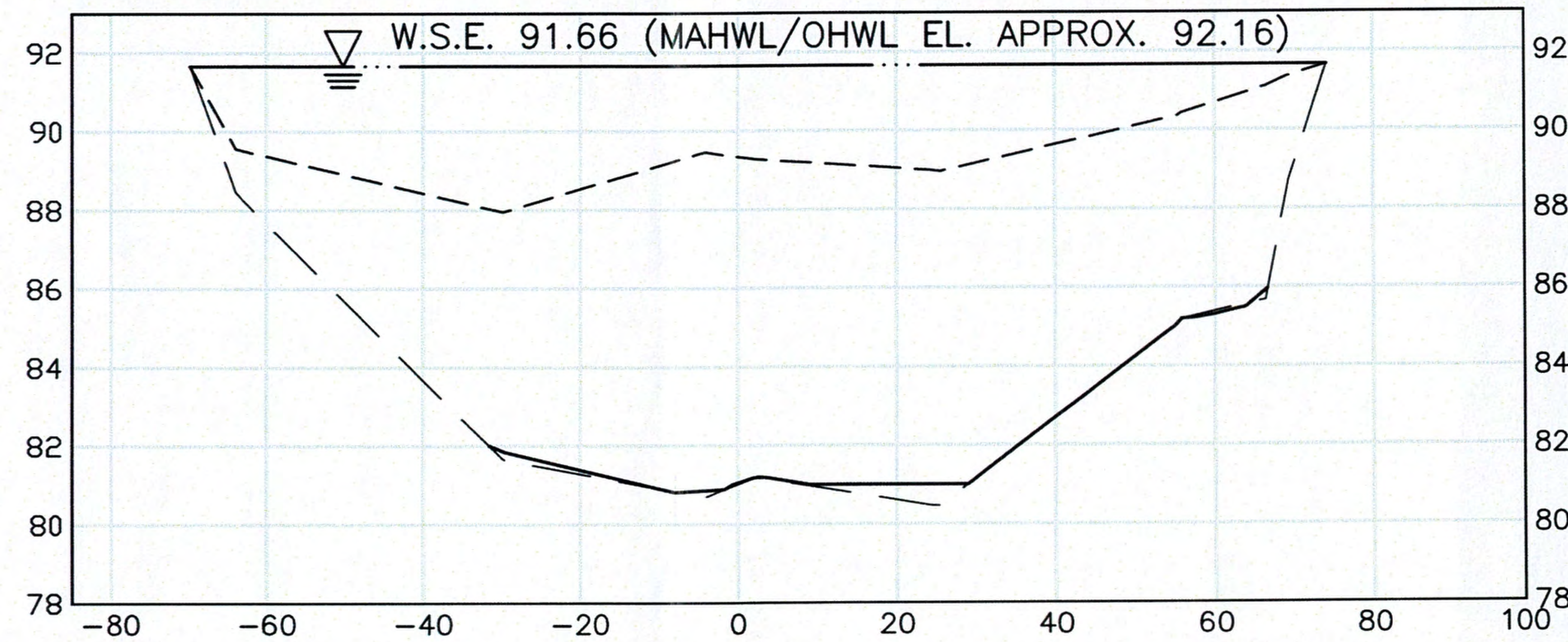
PREPARED BY: <b>GZA</b> GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: MAIDSTONE FARM c/o GEOFFREY M. ROCKWELL ROCK-A-DUNDEE ROAD HAMPDEN, MA		
PROJ MGR: NYA	REVIEWED BY: PGD	CHECKED BY: TEJ	DRAWING <b>3</b>
DESIGNED BY: NYA	DRAWN BY: EDM	SCALE: 1"=60'	
DATE: NOV. 2018	PROJECT NO: 15.0166562.00	REVISION NO: -	

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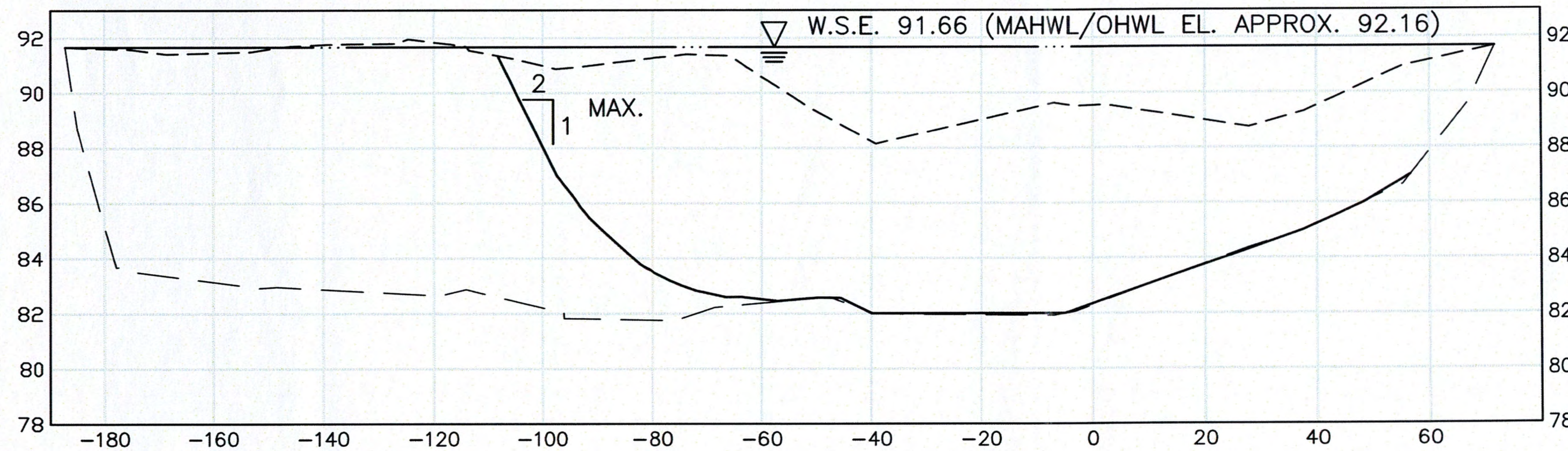
STA. 0+50



STA. 1+50

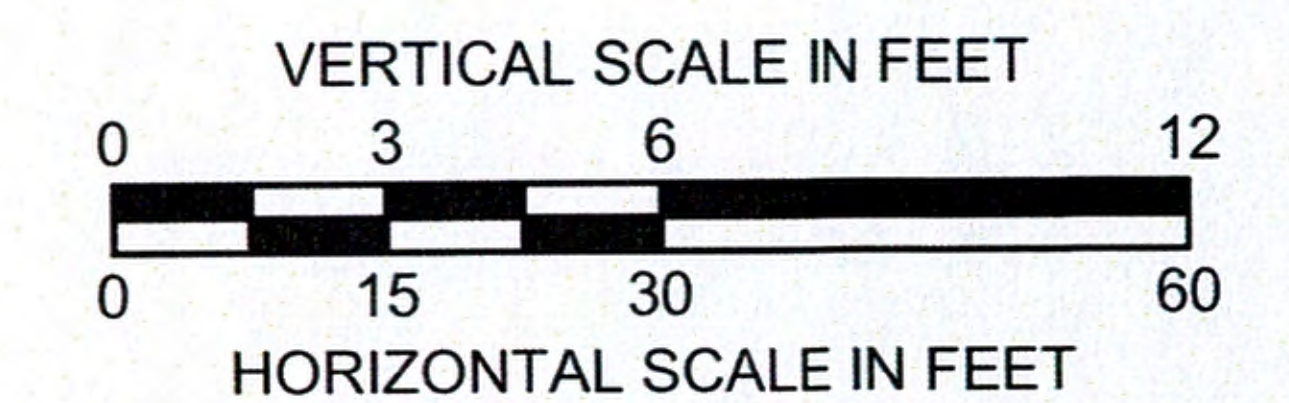


STA. 2+50



LEGEND

- WATER SURFACE ELEVATION
- EXISTING POND BOTTOM
- ESTIMATED BOTTOM OF SEDIMENT (NOV. 2016)
- PROPOSED LIMIT OF DREDGING



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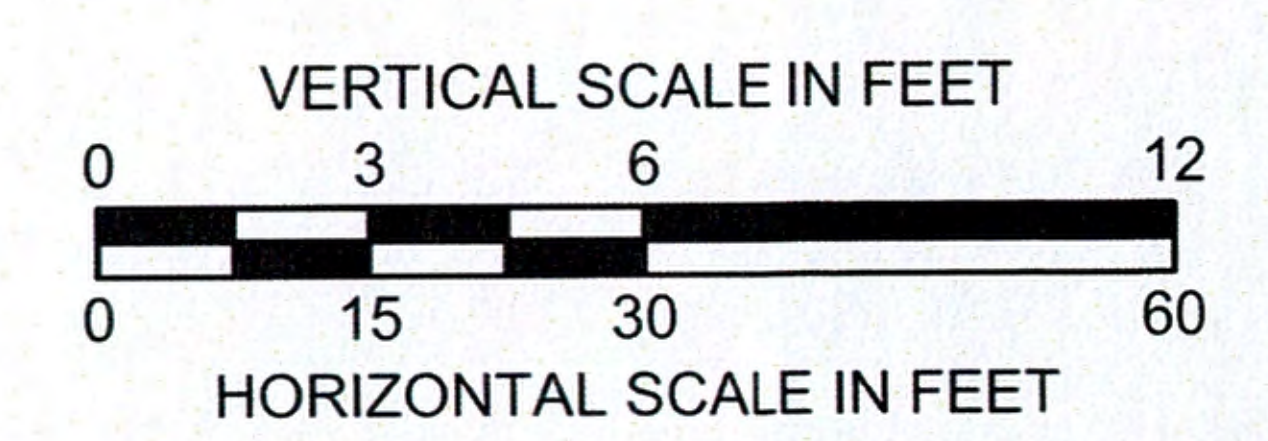
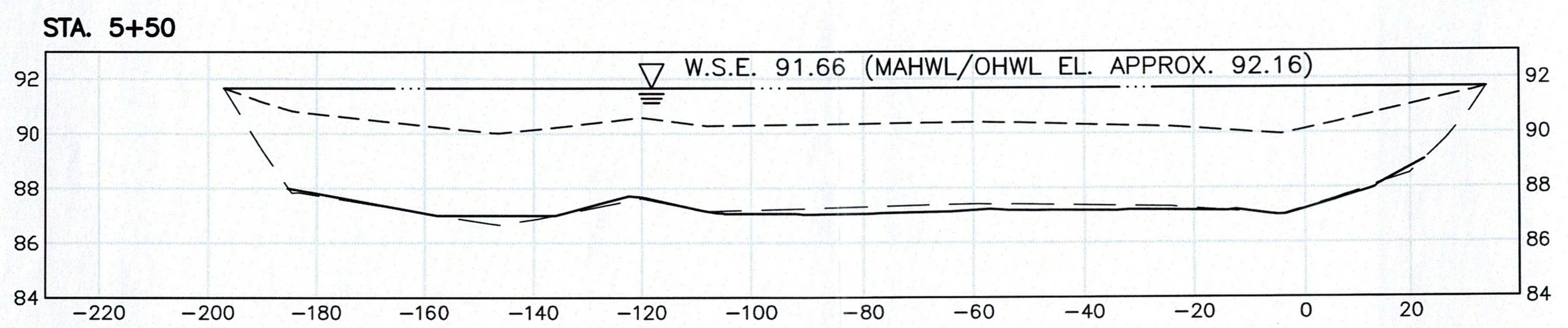
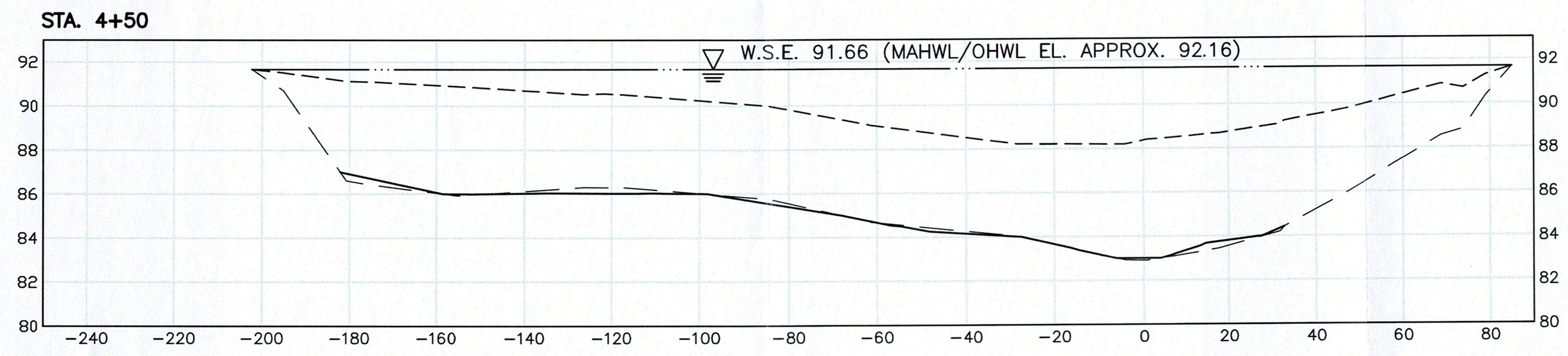
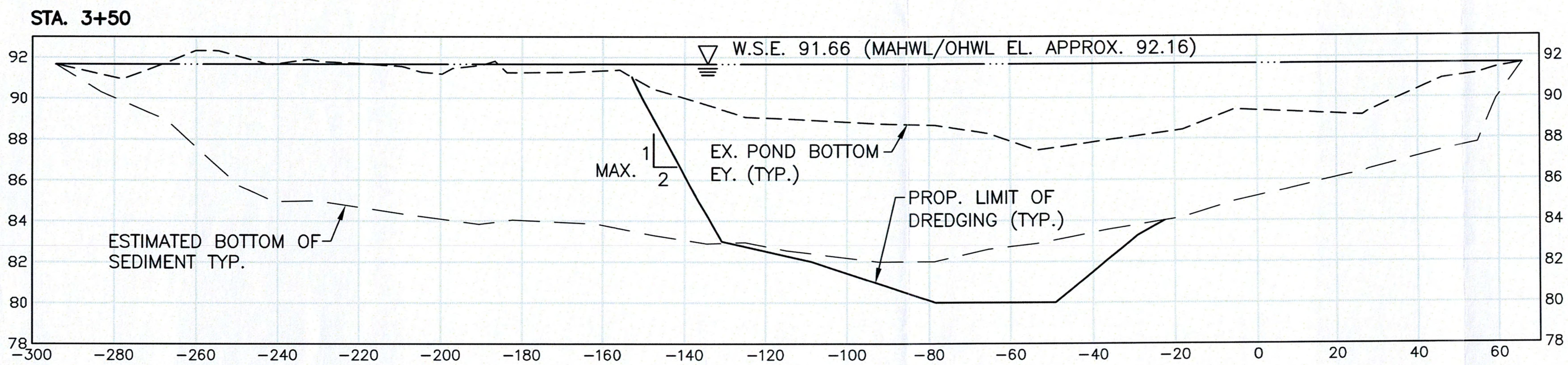
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POND CROSS SECTIONS

ROCKWELL POND DREDGING  
HAMPDEN, MASSACHUSETTS

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PROJ MGR: NYA	REVIEWED BY: PGD	CHECKED BY: TEJ	DRAWING <b>4</b>
DESIGNED BY: NYA	DRAWN BY: EDM	SCALE: AS NOTED	
DATE: NOV. 2018	PROJECT NO: 15.0166562.00	REVISION NO: -	

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**LEGEND**

- WATER SURFACE ELEVATION
- EXISTING POND BOTTOM
- ESTIMATED BOTTOM OF SEDIMENT (NOV. 2016)
- PROPOSED LIMIT OF DREDGING

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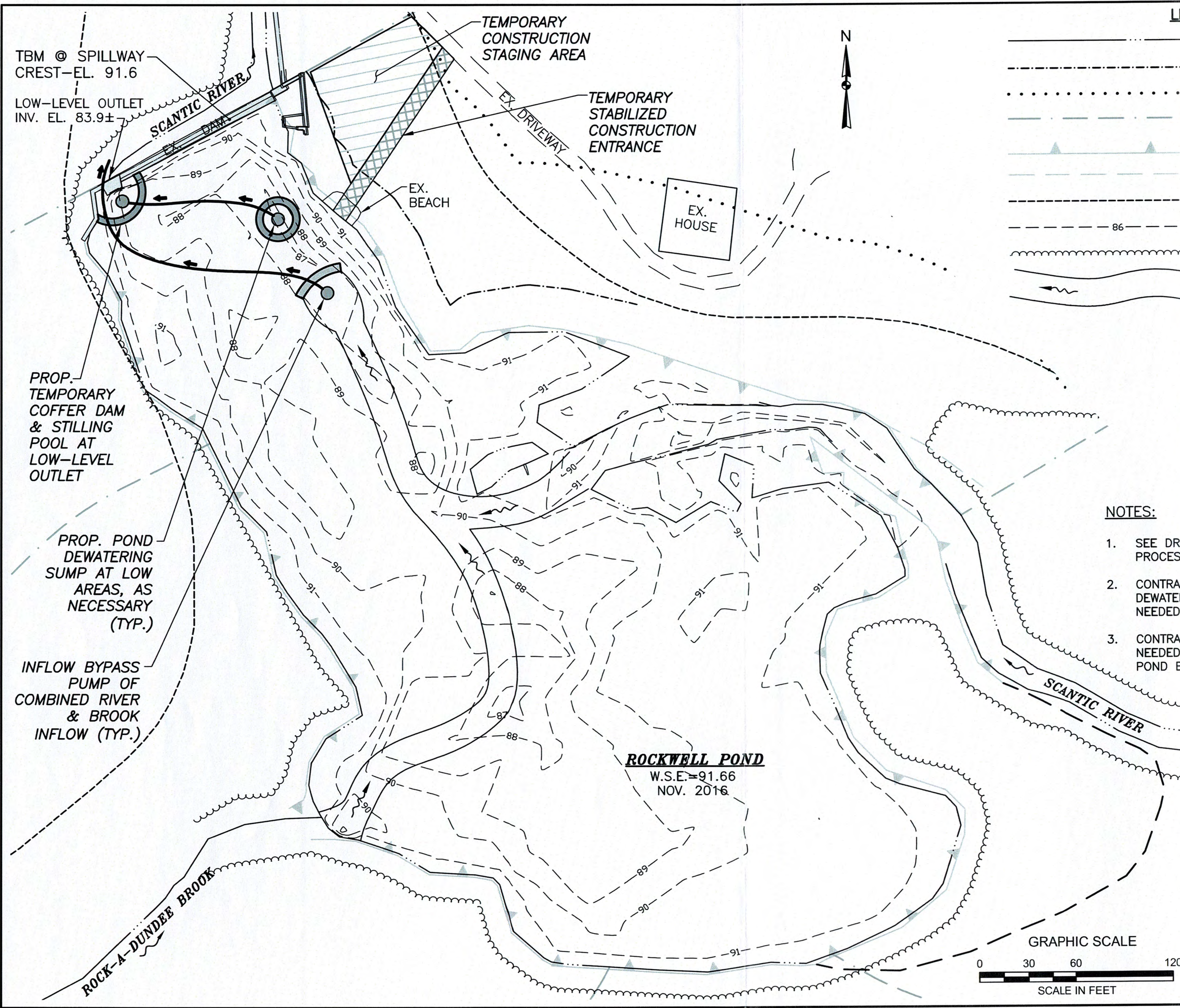
**POND CROSS SECTIONS**

**ROCKWELL POND DREDGING  
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PROJ MGR: NYA	REVIEWED BY: PGD	CHECKED BY: TEJ	<b>DRAWING 5</b>
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DATE: NOV. 2018	PROJECT NO: 15.0166562.00	REVISION NO: -	

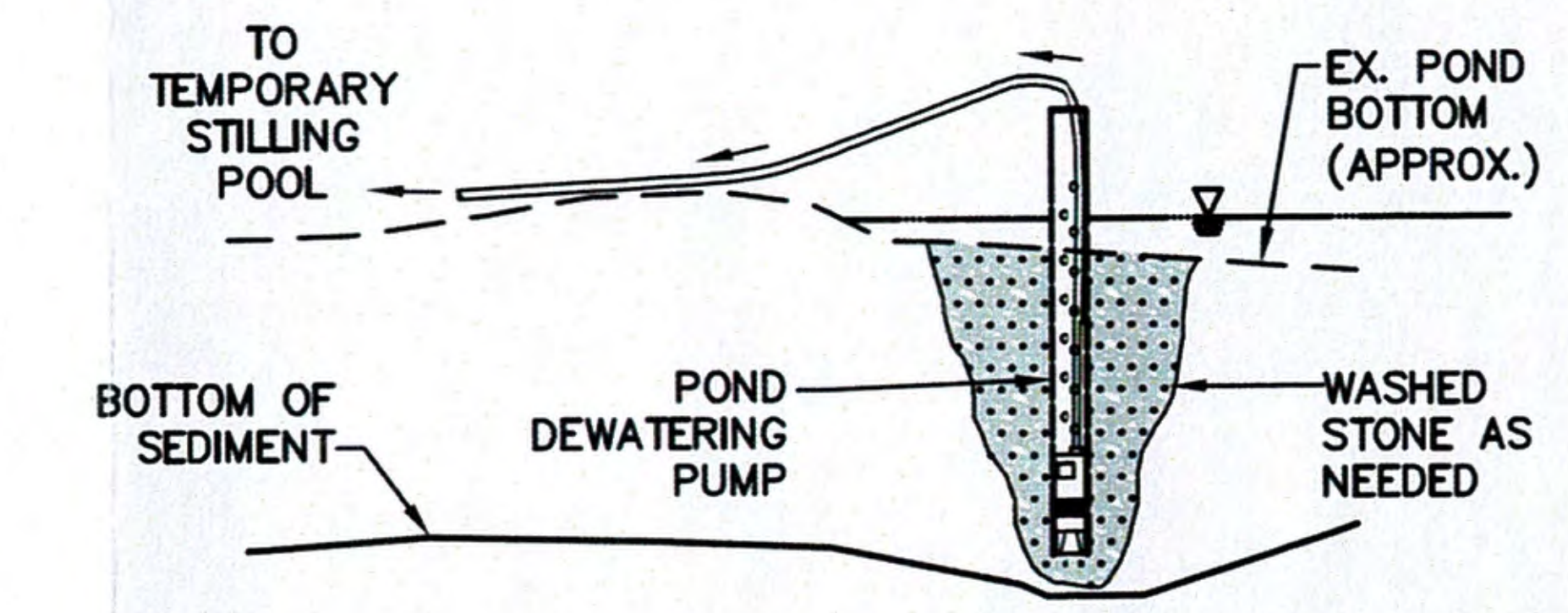


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**LEGEND**

- EDGE OF WATER (11-15-2016)
- - - 25 FT. NO DISTURBED BOUNDARY (TOWN BYLAW)
- ..... 100 FT. WETLAND BUFFER ZONE BOUNDARY
- - - 200 FT. RIVERFRONT AREA BOUNDARY
- ▲ BANK/MAHWL/OHWL
- - - ESTIMATED BVW LIMIT
- - - FEMA FLOODPLAIN (100-YEAR)
- - - 86 - - - EXISTING POND BOTTOM CONTOUR
- ~~~~~ EXISTING TREELINE
- ESTIMATED STREAM FLOW PATH DURING DRAWDOWN CONDITION



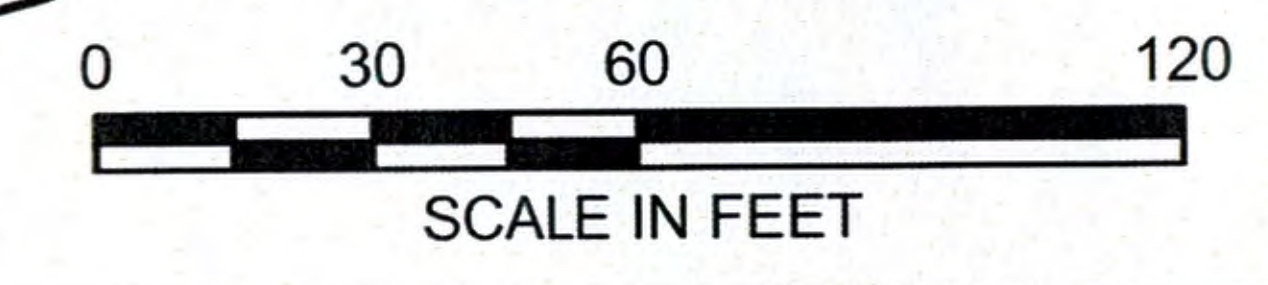
**TYPICAL LOW AREA DEWATERING SUMP DETAIL**  
NTS

**NOTES:**

1. SEE DRAWING 10 FOR DETAILS OF PHASED POND DEWATERING PROCESS.
2. CONTRACTOR TO TEMPORARY INSTALL SANDBAG COFFER DAMS AT DEWATERING SUMP AND INFLOW BYPASS PUMP LOCATIONS AS NEEDED TO CONTAIN WATER FOR PUMPING.
3. CONTRACTOR TO REDIRECT INFLOWS AROUND WORK AREAS AS NEEDED BY TEMPORARY CHANNELIZING OR PIPING FLOWS WITHIN POND BASIN.

**ROCKWELL POND**  
W.S.E. = 91.66  
NOV. 2016

GRAPHIC SCALE



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**DEWATERING PLAN**

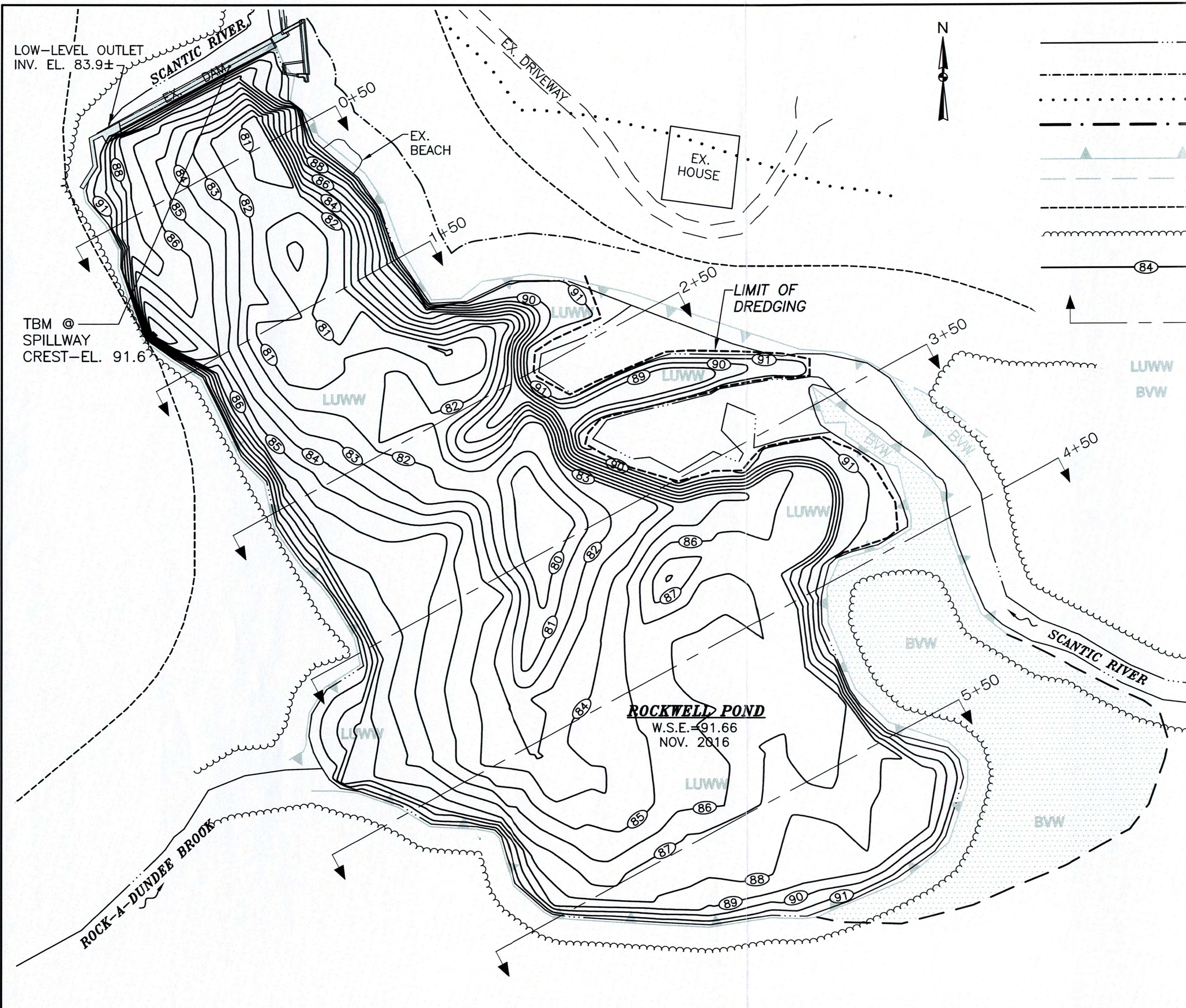
**ROCKWELL POND DREDGING  
HAMPDEN, MASSACHUSETTS**

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

PREPARED FOR: MAIDSTONE FARM  
c/o GEOFFREY M. ROCKWELL  
ROCK-A-DUNDEE ROAD  
HAMPDEN, MA

PROJ MGR: NYA	REVIEWED BY: PGD	CHECKED BY: TEJ	<b>DRAWING</b> <b>6</b>
DESIGNED BY: NYA	DRAWN BY: EDM	SCALE: 1"=60'	
DATE: NOV. 2018	PROJECT NO. 15.0166562.00	REVISION NO. -	

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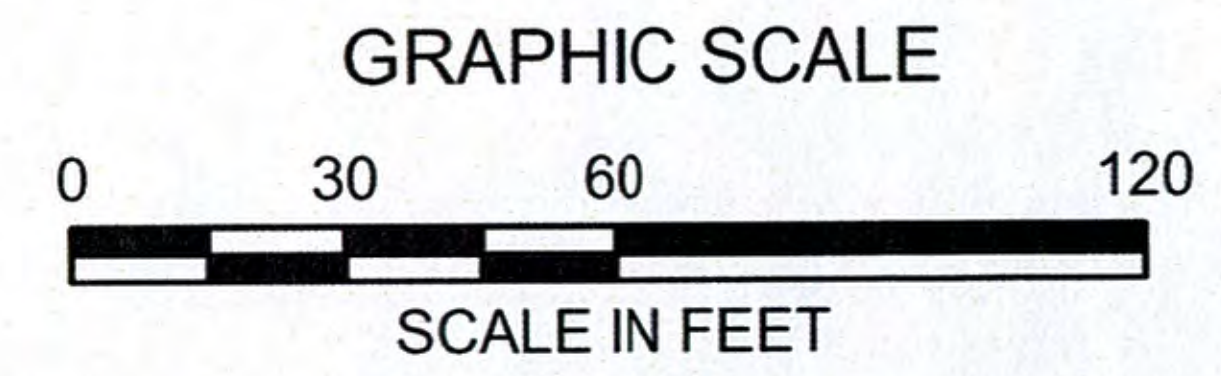
**LEGEND**

- EDGE OF WATER (11-15-2016)
- - - - 25 FT. NO DISTURB BOUNDARY (TOWN BYLAW)
- · · · · 100 FT. WETLAND BUFFER ZONE BOUNDARY
- - - - - 200 FT. RIVERFRONT AREA BOUNDARY
- ▲▲▲▲ BANK/MAHWL/OHWL
- - - - - ESTIMATED BWV LIMIT
- - - - - FEMA FLOODPLAIN (100-YEAR)
- ~~~~~ EXISTING TREELINE
- ⊕84 PROPOSED POND BOTTOM CONTOUR WITHIN LIMIT OF DREDGING

CROSS-SECTION  
3+50

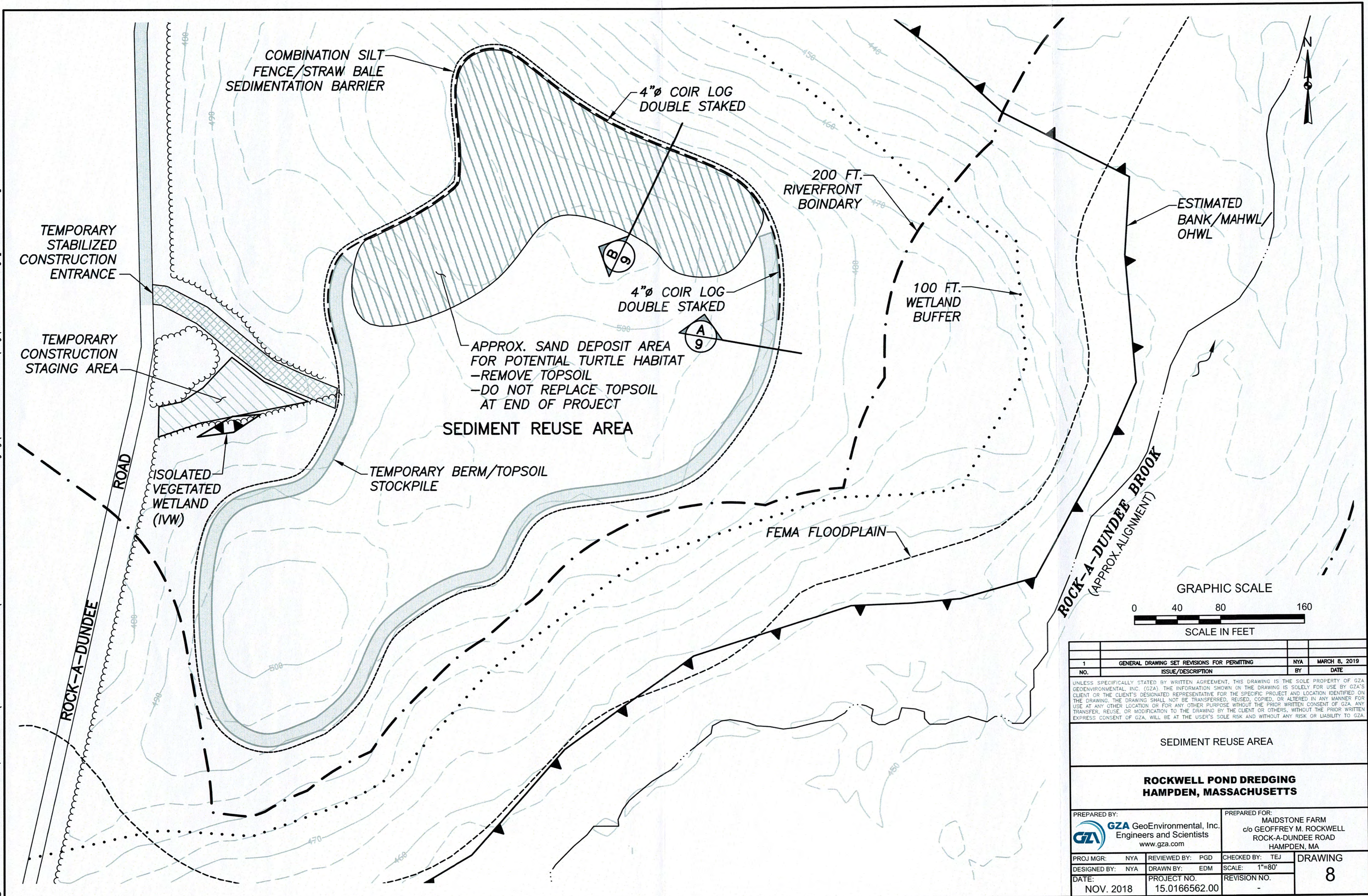
LUWW  
BWV

LAND UNDER WATERBODIES AND WATERWAYS  
BORDERING VEGETATED WETLANDS



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<b>PROPOSED DREDGED CONDITIONS</b>				
<b>ROCKWELL POND DREDGING HAMPDEN, MASSACHUSETTS</b>				
PREPARED BY:		PREPARED FOR:		
GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		MAIDSTONE FARM c/o GEOFFREY M. ROCKWELL ROCK-A-DUNDEE ROAD HAMPDEN, MA		
PROJ MGR:	NYA	REVIEWED BY:	PGD	CHECKED BY:
DESIGNED BY:	NYA	DRAWN BY:	EDM	SCALE:
DATE:	NOV. 2018	PROJECT NO.:	15.0166562.00	REVISION NO.:
				<b>DRAWING</b>
				<b>7</b>

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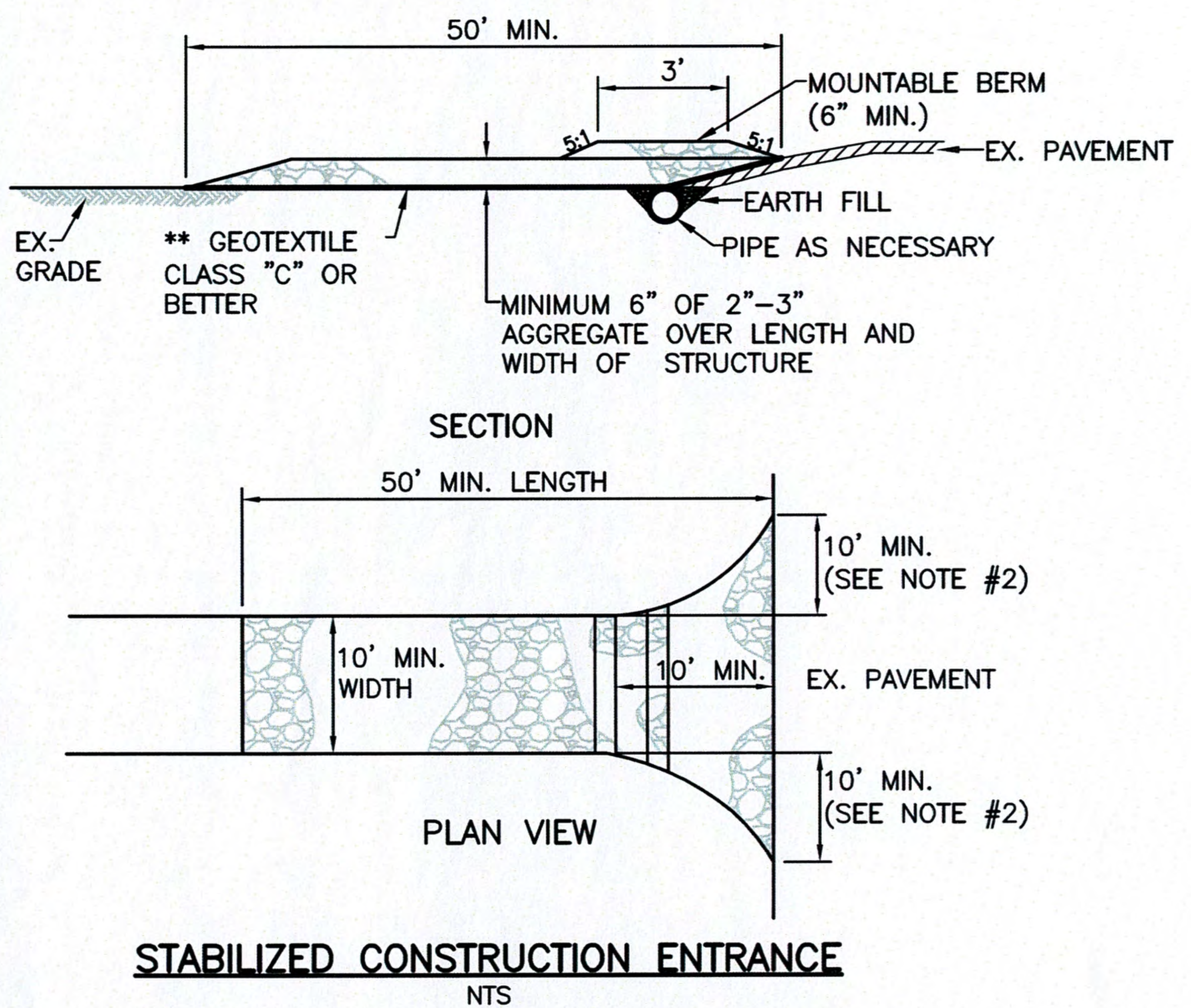
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**SEDIMENT REUSE AREA**

**ROCKWELL POND DREDGING  
HAMPDEN, MASSACHUSETTS**

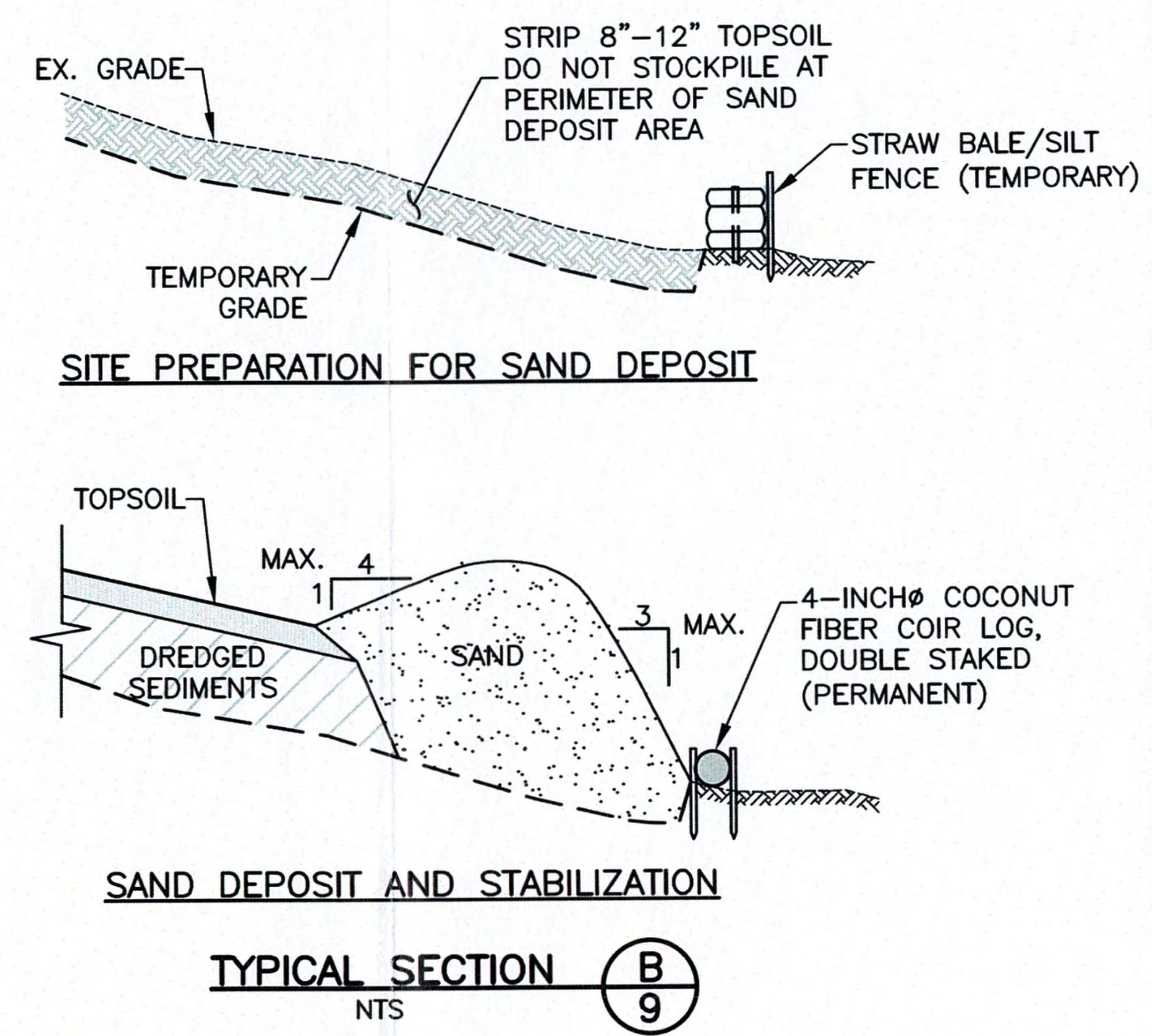
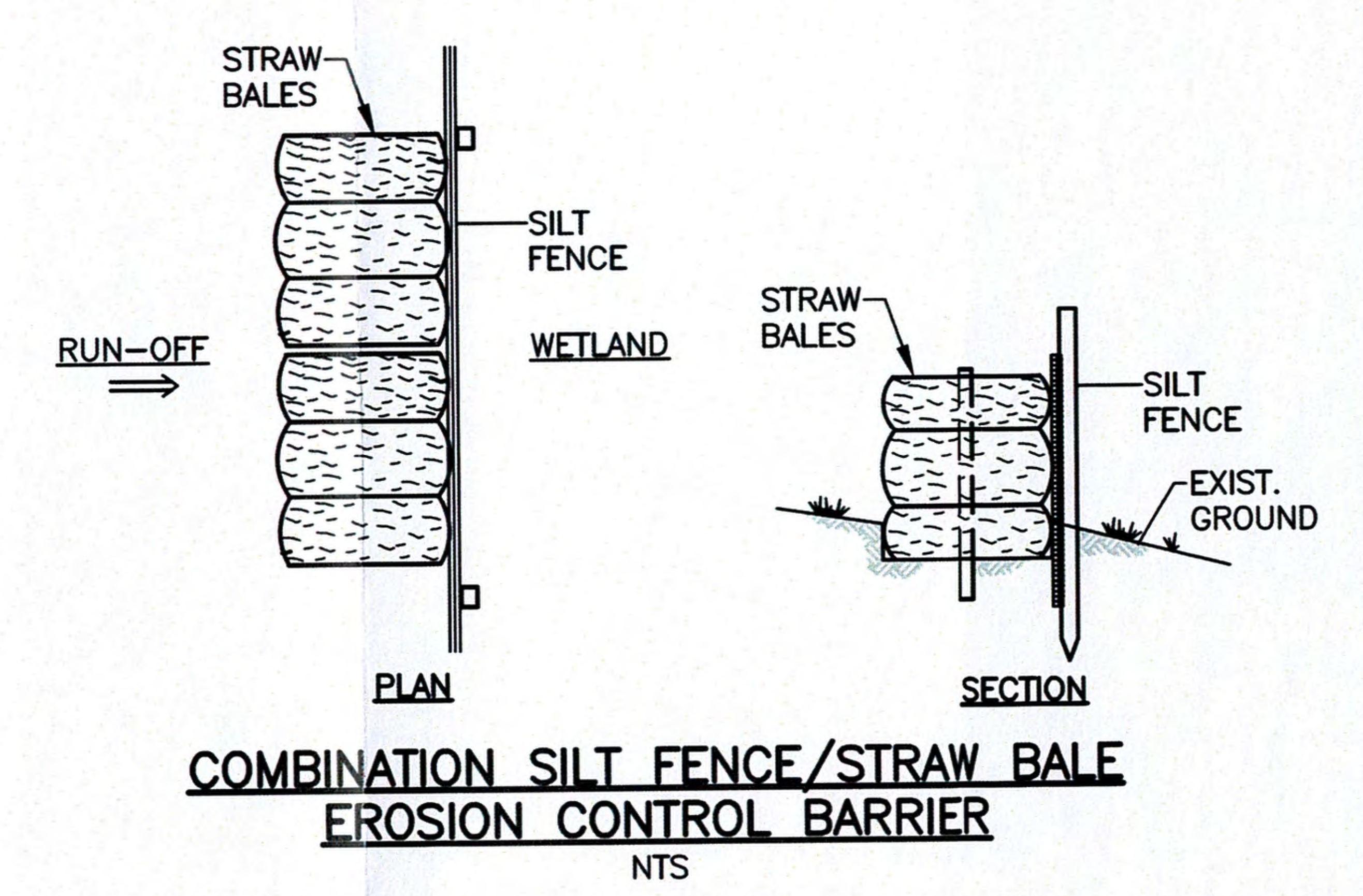
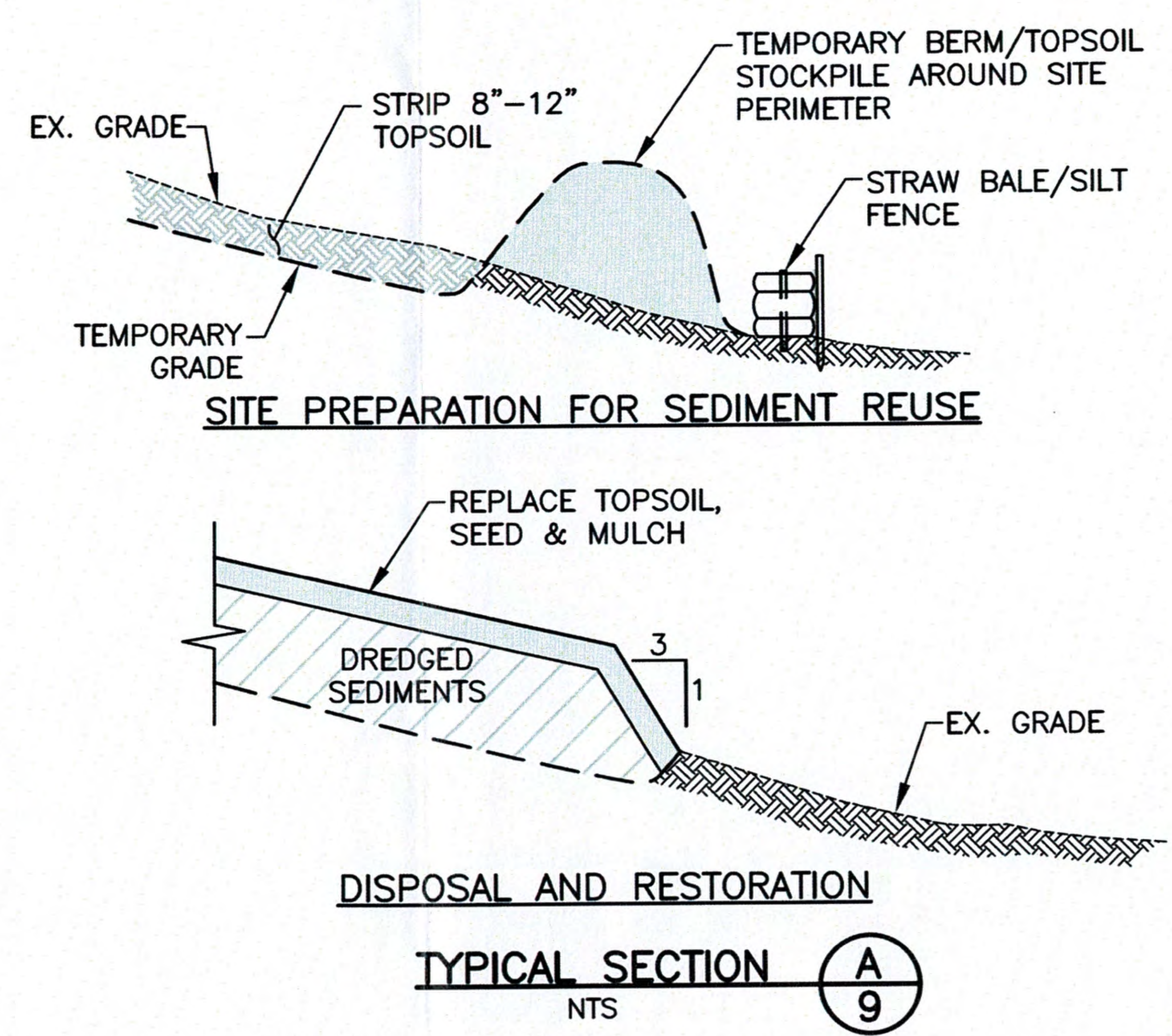
PREPARED BY: <b>GZA</b> GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: MAIDSTONE FARM c/o GEOFFREY M. ROCKWELL ROCK-A-DUNDEE ROAD HAMPDEN, MA		
PROJ MGR: NYA	REVIEWED BY: PGD	CHECKED BY: TEJ	<b>DRAWING 8</b>
DESIGNED BY: NYA	DRAWN BY: EDM	SCALE: 1"=80'	
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**STABILIZED CONSTRUCTION ENTRANCE SPECIFICATIONS**

1. LENGTH - MINIMUM OF 50'.
2. WIDTH - 10' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
3. GEOTEXTILE FABRIC (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GROUND PRIOR TO PLACING STONE.
4. STONE - CRUSHED AGGREGATE (2" TO 3") OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT SHALL BE PLACED AT LEAST 6" DEEP OVER THE LENGTH AND WIDTH OF THE ENTRANCE.
5. SURFACE DRAINAGE - ALL SURFACE DRAINAGE FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 6" OF STONE OVER THE PIPE. PIPE HAS TO BE SIZED ACCORDING TO THE DRAINAGE. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY A PIPE WILL NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF TO BE CONVEYED. A 6" MINIMUM DIAMETER PIPE WILL BE REQUIRED.
6. LOCATION - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.



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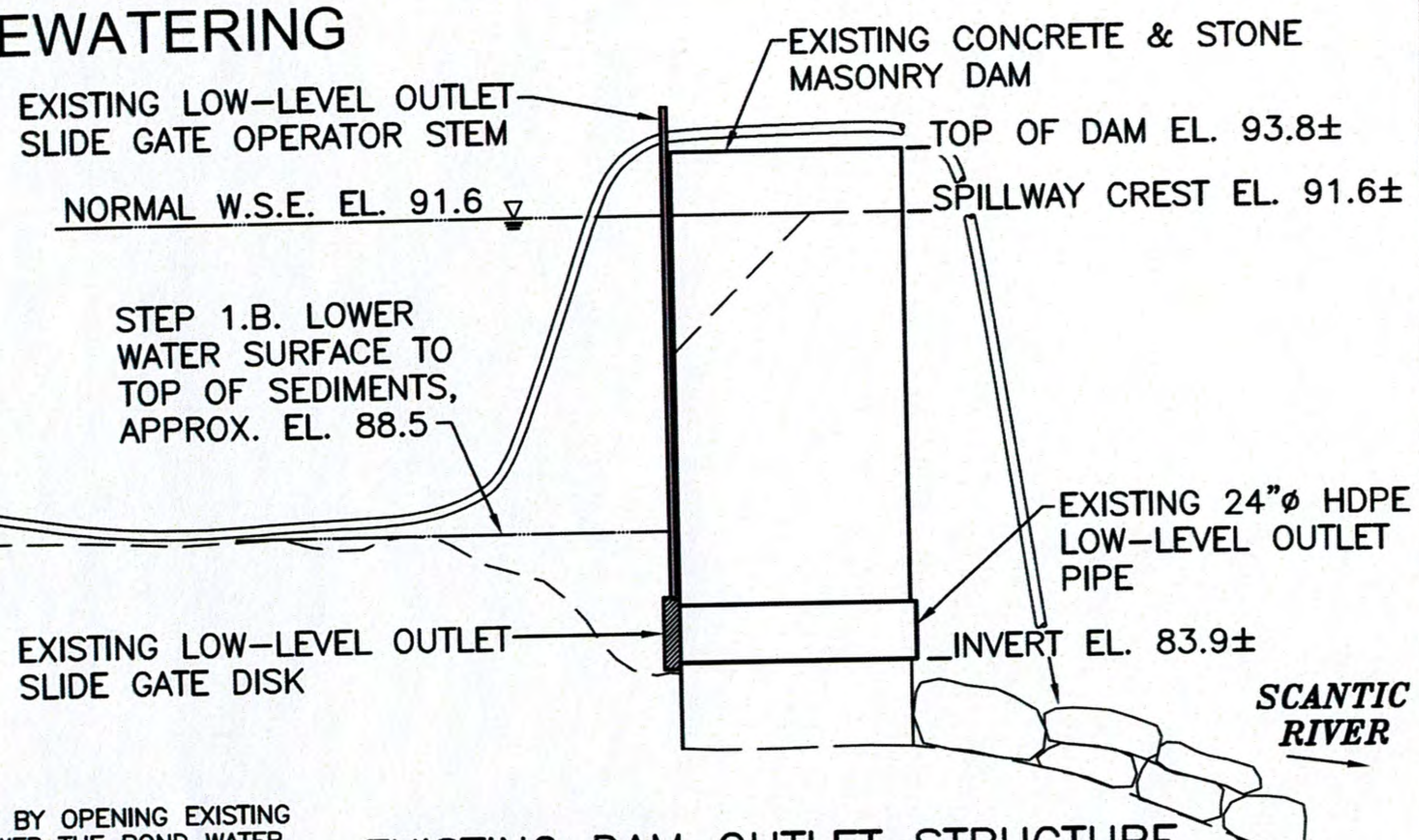
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**DETAILS**

**ROCKWELL POND DREDGING  
HAMPDEN, MASSACHUSETTS**

PREPARED BY: <b>GZA</b> GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: MAIDSTONE FARM c/o GEOFFREY M. ROCKWELL ROCK-A-DUNDEE ROAD HAMPDEN, MA		
PROJ MGR: NYA	REVIEWED BY: PGD	CHECKED BY: TEJ	DRAWING <b>9</b>
DESIGNED BY: NYA	DRAWN BY: EDM	SCALE: AS NOTED	
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### PHASE I - POND DEWATERING



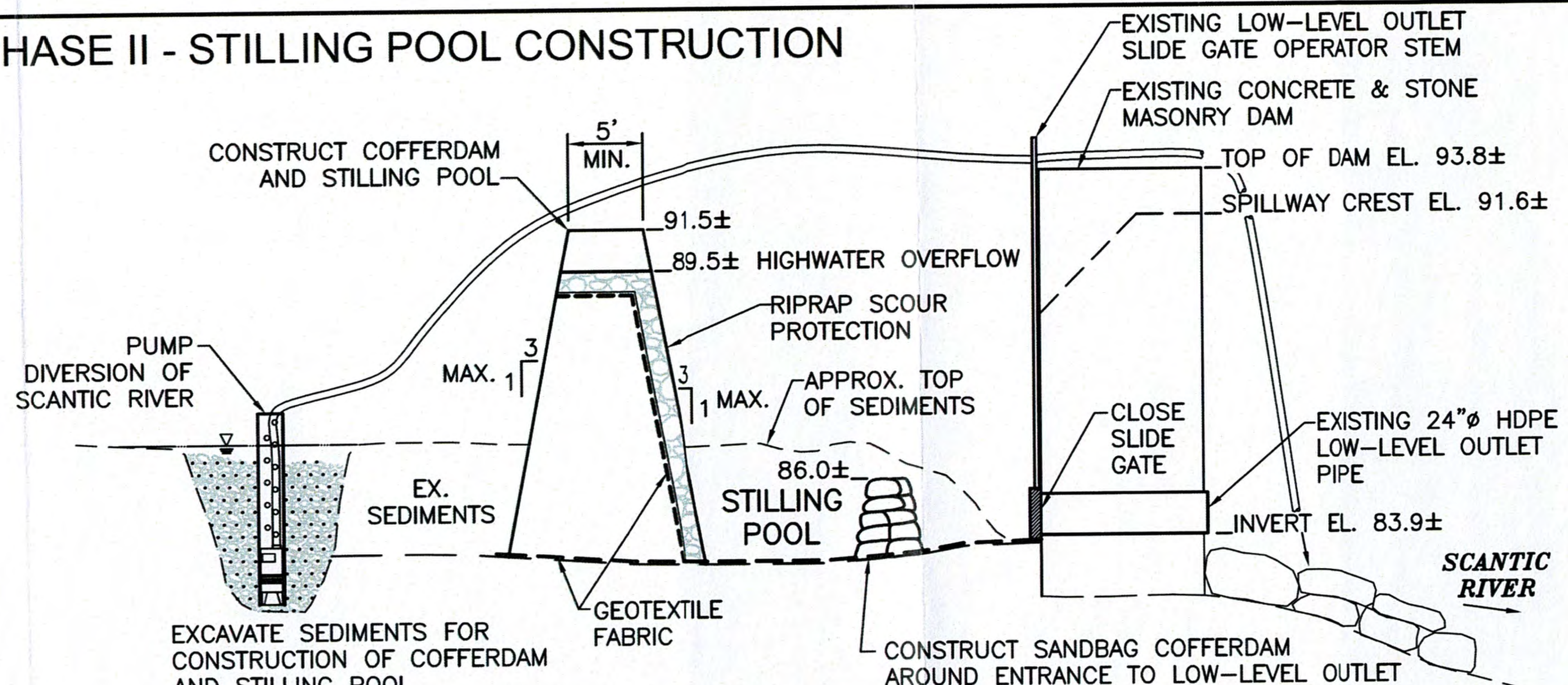
**EXISTING DAM OUTLET STRUCTURE CROSS-SECTION**  
NTS

**STEP 1.A.** INITIATE POND DEWATERING BY OPENING EXISTING LOW-LEVEL OUTLET SLIDE GATE TO LOWER THE POND WATER LEVEL TO THE TOP OF EXISTING SEDIMENTS IMMEDIATELY UPSTREAM OF THE SLIDE GATE. OPEN THE SLIDE GATE INCREMENTALLY, ALLOWING THE POND LEVEL TO STABILIZE AFTER EACH INCREMENT PRIOR TO OPENING THE SLIDE GATE TO THE NEXT INCREMENT. AVOID AND MINIMIZE RELEASE OF SEDIMENTS TO DOWNSTREAM AREAS.

**STEP 1.B.** ONCE POND LEVEL IS AS LOW AS POSSIBLE WITHOUT RELEASING SEDIMENTS THROUGH THE LOW-LEVEL OUTLET, CLOSE THE LOW-LEVEL OUTLET SLIDE GATE AND INITIATE BYPASS PUMPING OF COMBINED SCANTIC RIVER AND ROCK-A-DUNDEE BROOK INFLOWS FROM LOCATION(S) UPSTREAM WITHIN THE POND. DISCHARGE ONLY CLEAR FLOW OVER THE DAM DOWNSTREAM TO THE SCANTIC RIVER. FLOW SHOULD MATCH COMBINED INFLOWS TO THE POND.

**NOTE:** CONTRACTOR SHALL SUBMIT DEWATERING PLAN, CONSTRUCTION SEQUENCE, SHOP DRAWINGS, AND NARRATIVE DESCRIBING CONSTRUCTION OF THE COFFERDAMS FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO INITIATING ANY WORK ON SITE.

### PHASE II - STILLING POOL CONSTRUCTION

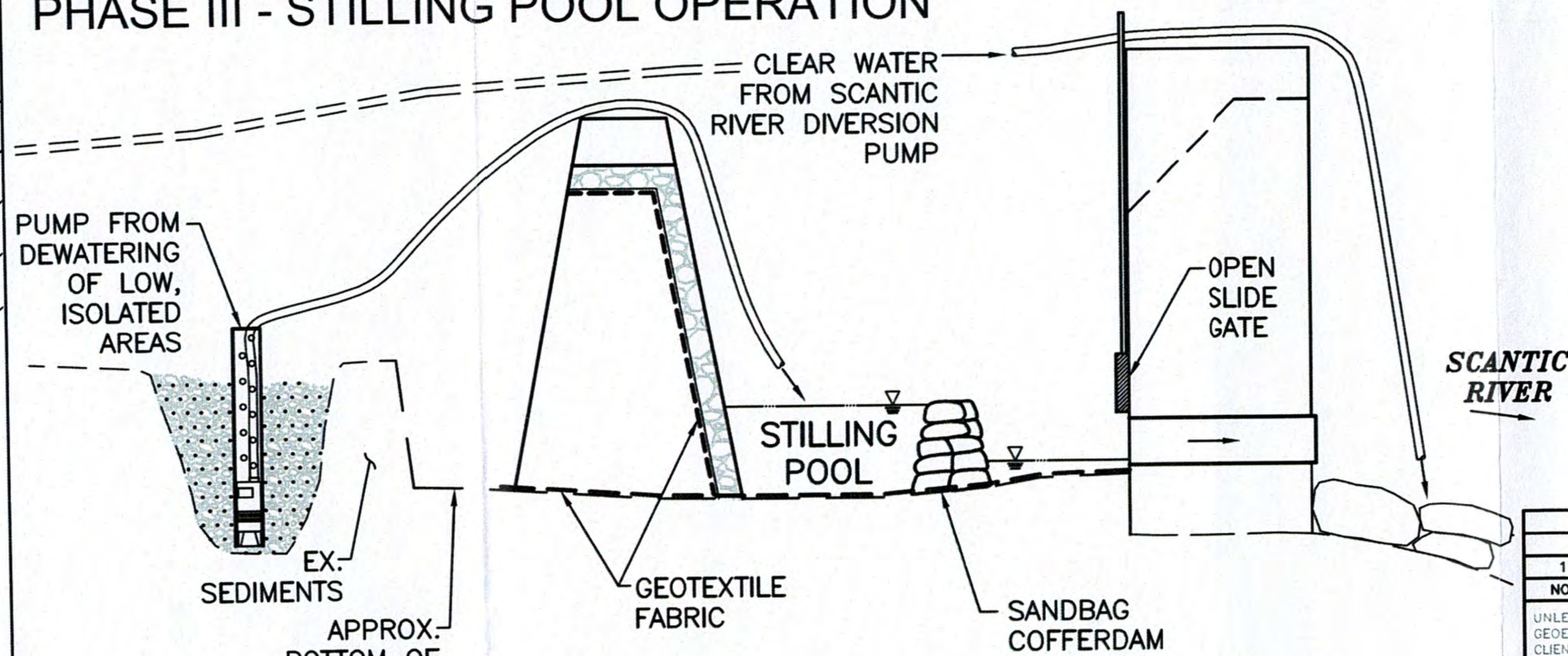


**STILLING POOL CROSS-SECTION**  
NTS

**STEP 2.A.** EXCAVATE SEDIMENTS FROM THE PROPOSED STILLING POOL AND COFFERDAM AREA TO APPROX. EL. 86.0± OR TO HARD, GRANULAR BOTTOM, WHICHEVER IS ATTAINED FIRST. CONSTRUCT THE COFFERDAM AND STILLING POOL AS SHOWN ON THE PLANS. COFFERDAM SHALL BE CONSTRUCTED OF COMPACTED GRAVEL BORROW OR OTHER MATERIALS APPROVED BY THE OWNER'S REPRESENTATIVE.

**STEP 2.B.** CONSTRUCT SANDBAG COFFERDAM WITHIN STILLING POOL AROUND LOW-LEVEL OUTLET TO ELEVATION 86.0± AS SHOWN ON THE PLANS.

### PHASE III - STILLING POOL OPERATION

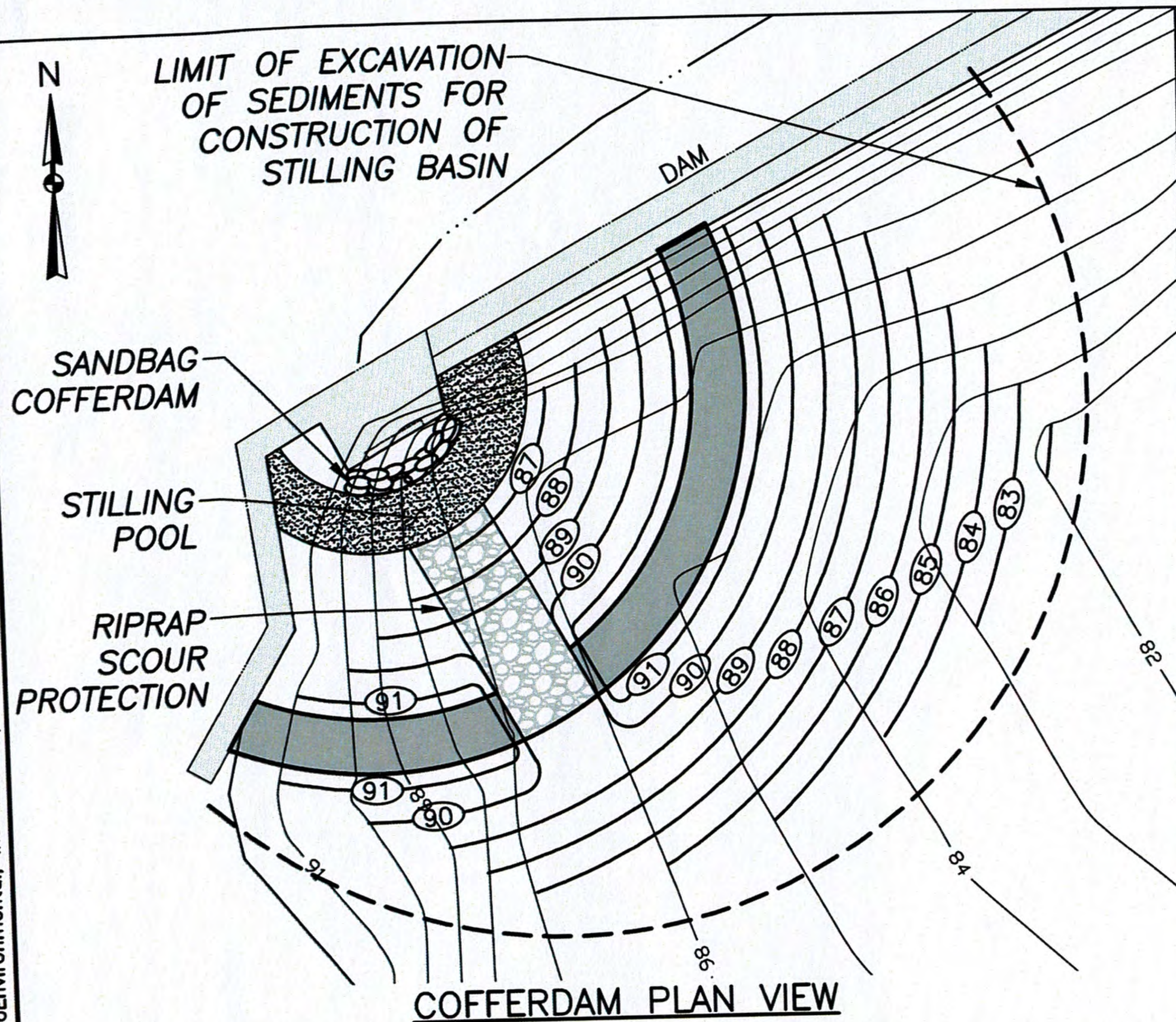


**STILLING POOL CROSS-SECTION**  
NTS

**STEP 3.A.** CONTINUE BYPASS PUMPING OF COMBINED SCANTIC RIVER AND ROCK-A-DUNDEE BROOK INFLOWS FROM LOCATION(S) UPSTREAM WITHIN THE POND. DISCHARGE ONLY CLEAR FLOW OVER THE DAM DOWNSTREAM TO THE SCANTIC RIVER. PUMP FLOW SHOULD MATCH COMBINED INFLOWS TO THE POND.

**STEP 3.B.** OPEN LOW-LEVEL OUTLET SLIDE GATE AND ALLOW STILLING POOL TO FILL. DIRECT PUMP FLOWS FROM LOW-AREA SUMPS INTO THE STILLING POOL. MAINTAIN PUMP FLOW RATE NEEDED TO PREVENT TURBID DISCHARGE OVER THE SANDBAG COFFERDAM INTO THE LOW-LEVEL OUTLET PIPE. SHOULD DISCHARGE TO THE LOW-LEVEL OUTLET PIPE BECOME TURBID, PUMPING FROM LOW-AREA SUMPS SHOULD CEASE UNTIL DISCHARGES ARE CLEAR. THE CONTRACTOR SHOULD BE PREPARED TO CLOSE THE LOW-LEVEL OUTLET SLIDE GATE IF NECESSARY TO AVOID TURBID DISCHARGES TO THE SCANTIC RIVER DOWNSTREAM OF THE DAM.

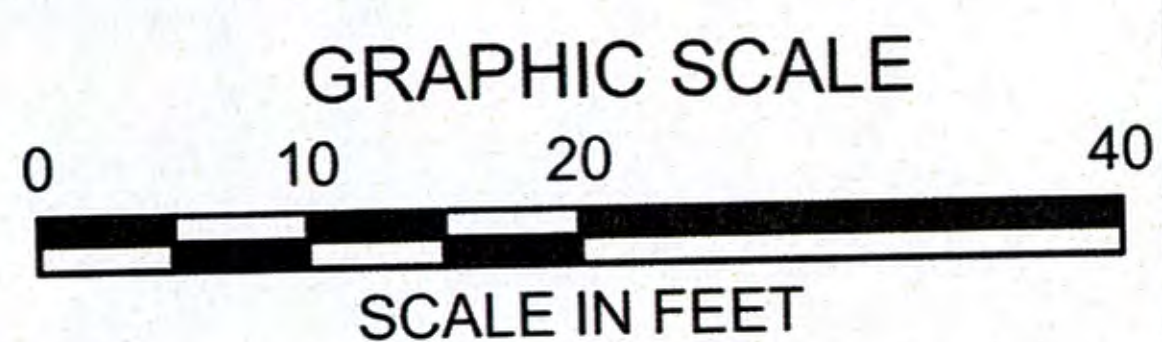
**STEP 3.C.** SHOULD WET WEATHER INFLOWS EXCEED THE CAPACITY OF THE INFLOW BYPASS PUMPS, ALL DREDGING ACTIVITIES SHALL BE SUSPENDED, ALL EQUIPMENT REMOVED FROM THE POND BASIN, THE POND WILL BE ALLOWED TO FILL, AND FLOWS WILL NORMALLY DISCHARGE OVER THE SPILLWAY OF THE DAM.



**COFFERDAM PLAN VIEW**

**LEGEND**

- 91 — EXISTING POND BOTTOM CONTOUR
- 89 — PROPOSED CONTOUR OF TEMPORARY COFFERDAM



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**POND DEWATERING DETAILS**

**ROCKWELL POND DREDGING  
HAMPDEN, MASSACHUSETTS**

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