US Army Corps of Engineers®

PUBLIC NOTICE

Applicant:
Jon Urquidi
City of Bridgeport

Published: December 4,2025
Expires: January 5, 2026

New England District
Permit Application No. NAE-2015-01956

TO WHOM IT MAY CONCERN: The New England District of the U.S. Army Corps of Engineers (Corps) has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. §1344) **and/or** Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. §403). The purpose of this public notice is to solicit comments from the public regarding the work described below:

APPLICANT: Jon Urquidi
City of Bridgeport
45 Lyon Terrace
Bridgeport, CT 06604-4023

AGENT: Richard Canavan
Tighe & Bond, Inc
1000 Bridgeport Avenue
Suite 320
Shelton, CT 6486

WATERWAY AND LOCATION: The project would affect waters of the United States associated with Ox Brook and adjacent wetlands within Elton Rogers Woodland Park at Latitude 41.224200 and Longitude -73.213570; in Bridgeport, Fairfield County, Connecticut.

EXISTING CONDITIONS: Onsight aquatic resource and infrastructure conditions associated with the Elton Rogers Dam include: a wetland complex and an intermittent watercourse which meanders through the wetland interior. Water has been observed seeping from the toe of the dam near the masonry wall. The dam is considered to have limited flood attenuation value in its current state based on observations of impounded water immediately upstream. Within the wetland area of the existing impoundment, representative vegetation and vegetative cover types are predominantly characterized by red maple swamp along the seasonally saturated wetland fringes. The forest component appears to be encroaching towards the wetland interior, a process that likely began following abandonment of the water supply reservoir and discontinuing dam maintenance. Emergent marsh characterizes the interior of the central and southern portions of the wetland.

PROJECT PURPOSE:

Basic: The basic project purpose is to repair an existing dam.

Overall: The overall project purpose is to repair an existing dam in order to reduce the frequency of nearby and downstream flooding by increasing the floodwater storage capacity.

PROPOSED WORK: The applicant requests authorization to place fill in waters of the U.S. to repair an existing dam. The project would include the reconstruction of the existing Elton Rogers Dam, construction of a new intake structure and auxiliary spillway, construction of two new dikes at the northeast portion of the park to protect Old Town Road and Frenchtown Road from potentially high flood control impoundment levels.

Approximately 58 linear feet of Ox Brook and 17,190 square feet of wetlands would be temporarily impacted and approximately 27 linear feet of Ox Brook and 19,834 square feet of wetlands would be permanently impacted by the project.

AVOIDANCE AND MINIMIZATION: The applicant has provided the following information in support of efforts to avoid and/or minimize impacts to the aquatic environment: Unavoidable impacts have been minimized to the greatest extent practical. Best management practices would be employed to limit the potential for erosion and off-site sediment migration. Disturbed areas would be permanently stabilized following construction. Passive recreation at the Park would be improved with the addition of access roads and installation of a pedestrian bridge that would span the auxiliary spillway.

COMPENSATORY MITIGATION: The applicant offered the following compensatory mitigation plan to offset unavoidable functional loss to the aquatic environment: The applicant has proposed to purchase credits from the Connecticut Wetland In-Lieu Fee Program.

CULTURAL RESOURCES:
The Corps is evaluating the undertaking for effects to historic properties as required under Section 106 of the National Historic Preservation Act. This public notice serves to inform the public of the proposed undertaking and invites comments including those from local, State, and Federal government Agencies with respect to historic resources. Our final determination relative to historic resource impacts may be subject to additional coordination with the State Historic Preservation Officer, federally recognized tribes and other interested parties.

ENDANGERED SPECIES: The Corps has performed an initial review of the application, the [U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) to determine if any threatened, endangered, proposed, or candidate species, as well as the proposed and final designated critical habitat may occur in the vicinity of the proposed project. Based on this initial review, the Corps has made a preliminary

determination that the proposed project will not affect any listed species or critical habitat.

This notice serves as request to the U.S. Fish and Wildlife Service for any additional information on whether any listed or proposed to be listed endangered or threatened species or critical habitat may be present in the area which would be affected by the proposed activity.

NAVIGATION: The proposed structure or activity is not located in the vicinity of a federal navigation channel.

WATER QUALITY CERTIFICATION: Water Quality Certification may be required from the Connecticut Department of Energy and Environmental Protection.

NOTE: This public notice is being issued based on information furnished by the applicant. This information has not been verified or evaluated to ensure compliance with laws and regulation governing the regulatory program. The geographic extent of aquatic resources within the proposed project area that either are, or are presumed to be, within the Corps jurisdiction has not been verified by Corps personnel.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to 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 cumulative impacts thereof; among these are conservation, economics, esthetics, general environmental concerns, wetlands, historical properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food, and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people. Evaluation of the impact of the activity on the public interest will also include application of the guidelines promulgated by the Administrator, EPA, under authority of Section 404(b) of the Clean Water Act or the criteria established under authority of Section 102(a) of the Marine Protection Research and Sanctuaries Act of 1972. A permit will be granted unless its issuance is found to be contrary to the public interest.

COMMENTS: The 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. Any comments received will be considered by the Corps to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this determination, comments are used to assess impacts to 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 (EA) and/or an Environmental Impact

Statement pursuant to the National Environmental Policy Act (NEPA). Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The New England District will receive written comments on the proposed work, as outlined above, until December 25, 2025. Comments should be submitted electronically via the Regulatory Request System (RRS) at https://rrs.usace.army.mil/rrs or to cenae-r-ct@usace.army.mil. Alternatively, you may submit comments in writing to the Commander, U.S. Army Corps of Engineers, New England District, Attention: cenae-r-ct@usace.army.mil. Please refer to the permit application number in your comments.

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 public hearings shall state, with particularity, the reasons for holding a public hearing. Requests for a public hearing will be granted, unless the District Engineer determines that the issues raised are insubstantial or there is otherwise no valid interest to be served by a hearing.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

Jon T. Coleman
Team Leader
Technical Regional Execution Center
North Atlantic Division

CITY OF BRIDGEPORT, CONNECTICUT

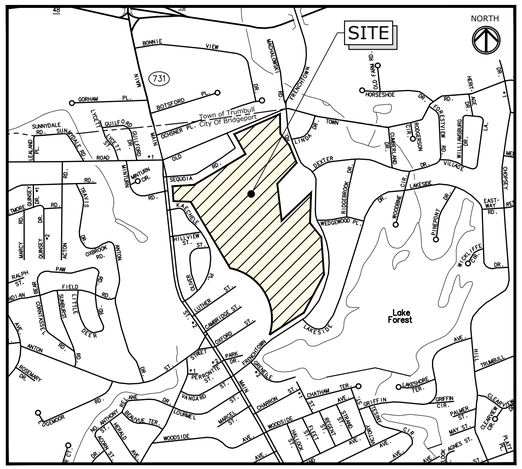
ELTON ROGERS PARK DAM RECONSTRUCTION

CTDEEP DAM ID #1512

DAM CONSTRUCTION PERMIT SUBMISSION

JUNE 26, 2024

LIST OF DRAWINGS	
SHEET NO.	TITLE
	COVER SHEET
C0.00	TYPICAL SECTIONS, GENERAL NOTES, ABBREVIATIONS AND LEGEND
C1.00	EXISTING CONDITIONS PLAN
C1.10	EXISTING CONDITIONS ENLARGEMENT PLAN
C1.20	SUBSURFACE EXPLORATION LOGS
C2.00	SITE PREPARATION PLAN
C3.00	INDEX PLAN
C3.10	OUTLET AREA ENLARGEMENT PLAN
C3.11	PRIMARY DAM ENLARGEMENT PLAN
C3.20	NORTHEAST AREA ENLARGEMENT PLAN
C4.00	CONSTRUCTION PHASING PLAN
C4.10	SEDIMENT AND EROSION CONTROL - PHASE 1
C4.20	SEDIMENT AND EROSION CONTROL - PHASE 2A & 2B
C4.30	SEDIMENT AND EROSION CONTROL - PHASE 3
C4.40	SEDIMENT AND EROSION CONTROL - PHASE 4
C4.50	SEDIMENTATION & EROSION CONTROL NOTES, NARRATIVE & DETAILS
C4.51	SEDIMENTATION & EROSION CONTROL DETAILS
C5.00	CROSS SECTIONS
C5.10	CROSS SECTIONS
C6.00	SITE DETAILS
C6.10	SITE DETAILS
C6.20	SITE DETAILS
C7.00	WETLAND IMPACTS
C7.10	WETLAND PLANTING PLAN OVERVIEW
C7.11	WETLAND PLANTING ENLARGEMENT PLAN - DAM AREA
C7.12	WETLAND PLANTING ENLARGEMENT PLAN - STORAGE EXPANSION AREA
S1.00	STRUCTURAL GENERAL NOTES AND DETAILS
S2.00	SPILLWAY PLAN AND ELEVATION
S2.10	SPILLWAY WALL ELEVATIONS AND FOUNDATION PLAN
S2.20	SPILLWAY WALL SECTIONS
S2.30	SPILLWAY WALL SECTIONS
S3.00	PEDESTRIAN BRIDGE OVER SPILLWAY
S3.10	SPILLWAY BRIDGE SECTIONS AND DETAILS
S4.00	OUTLET CONTROL STRUCTURE DETAILS
S4.10	OUTLET CONTROL STRUCTURE DETAILS
S4.20	OUTLET CONTROL STRUCTURE DETAILS



LOCATION MAP
SCALE: 1"=1000'

PREPARED BY:

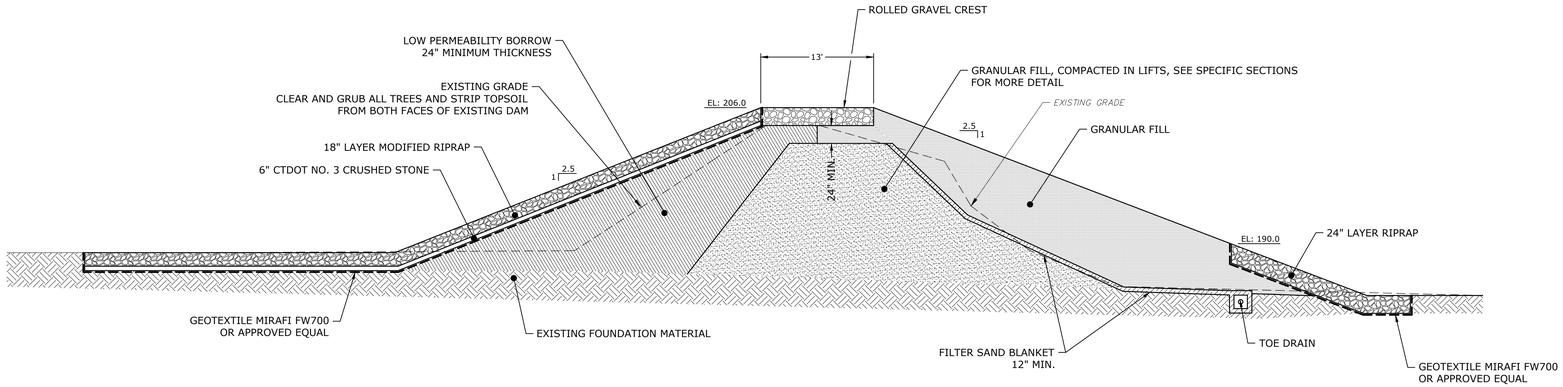
Tighe&Bond
www.tighebond.com
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

JOSEPH A. CANAS, P.E.

PREPARED FOR:

CITY OF BRIDGEPORT

COMPLETE SET 36 SHEETS



TYPICAL SECTION
SCALE: 1" = 8'

SCALE IN FEET
0 8' 16'
GRAPHIC SCALE

GENERAL NOTES

1. THE 90% DESIGN DRAWINGS ARE FOR DISCUSSION PURPOSES ONLY AND SHALL NOT BE USED FOR CONSTRUCTION.
2. ALL ELEVATIONS SHOWN ARE IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. EXISTING CONDITIONS INFORMATION IS COMPILED FROM CITY OF BRIDGEPORT GEOGRAPHIC INFORMATION SYSTEMS AND SURVEY INFORMATION PROVIDED BY PEREIRA ENGINEERING, SHELTON, CONNECTICUT.
4. TREE LOCATIONS AND SIZES SHOWN ARE TO BE VERIFIED BY THE CONTRACTOR IN THE FIELD. ALL TREES, WHETHER SHOWN OR NOT, CONFLICTING WITH THE WORK SHALL BE REMOVED AND PAID FOR AS PROVIDED FOR IN THE SPECIFICATIONS.
5. THE ACCURACY AND COMPLETENESS OF SUBSURFACE INFORMATION SHOWN ON THESE PLANS IS NOT GUARANTEED. THE CONTRACTOR SHALL DETERMINE FOR THEMSELF, PRIOR TO BIDDING, THE LOCATIONS AND ELEVATIONS OF ALL UTILITIES WHICH SHALL AFFECT THEIR CONSTRUCTION, THE CONTRACTOR MUST ADEQUATELY SUPPORT ALL UTILITIES AND SHALL BE RESPONSIBLE FOR ALL DAMAGE TO THESE LINES CAUSED BY THEIR OPERATIONS.
6. THE CONTRACTOR SHALL CONTACT THE TOLL FREE "CALL BEFORE YOU DIG" PHONE NUMBER 1-800-422-4455 OR 811, TWO BUSINESS DAYS BEFORE ANY EXCAVATION OCCURS.
7. PROPERTY LINES SHOWN ARE BASED UPON THE BEST AVAILABLE INFORMATION AND EXISTING MONUMENTS FOUND IN THE FIELD ARE T2 ACCURACY.
8. REINFORCED CONCRETE PIPE SHALL BE CLASS IV UNLESS OTHERWISE NOTED.
9. ANY EXISTING FEATURES DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE, AS ORDERED BY THE ENGINEER.
10. WETLANDS IDENTIFIED AND FLAGGED BY MATTHEW DAVISON, PSS, PWS, CPESC OF TIGHE & BOND.
11. ALL SURFACES NOT OTHERWISE TREATED WITH A SPECIFIED SURFACE TREATMENT SHALL BE SEEDED WITH NEW ENGLAND WETLAND PLANTS EROSION CONTROL/RESTORATION MIX.

ABBREVIATIONS

ALUM	ALUMINUM	NO.	NUMBER
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	O.C.	ON CENTER
		OD	OUTSIDE DIAMETER
BIT	BITUMINOUS	OSHA	OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION
BW	BOTTOM OF WALL ELEVATION		
CB	CATCH BASIN	PE	PROFESSIONAL ENGINEER
CM/S	CENTIMETERS PER SECOND	PG	PAGE
CONC	CONCRETE	PSI	POUNDS PER SQUARE INCH
CPESC	CERTIFIED PROFESSIONAL IN SEDIMENT & EROSION CONTROL	PSS	PROFESSIONAL SOILS SCIENTIST
		PWS	PROFESSIONAL WETLAND SCIENTIST
DIA	DIAMETER	RCP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE	R.O.W.	RIGHT-OF-WAY
EL.	ELEVATION	SAN	SANITARY
ELEV	ELEVATION	SF	SQUARE FEET
EXIST	EXISTING	TF	TOP OF FRAME
EW	ENDWALL	TW	TOP OF WALL ELEVATION
FT.	FOOT/FEET	TYP	TYPICAL
GS ELEV.	GROUND SURFACE ELEVATION	V	VERTICAL
H	HORIZONTAL	VERT. FT.	VERTICAL FEET
HW	HEADWALL	VOL	VOLUME
ID	INSIDE DIAMETER	W	WIDE
IN.	INCHES	WF	WETLAND FLAG
IN²	INCHES SQUARED	WT	WEIGHT
INV	INVERT		
L	LONG	AASHTO	ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
LB.	POUND		
LBS.	POUNDS	CFR	CODE OF FEDERAL REGULATIONS
LF	LINEAR FEET		
MAX	MAXIMUM		
MIN	MINIMUM		
MH	MANHOLE		
NAVD88	NORTH AMERICAN VERTICAL DATUM OF 1988		
N/F	NOW OR FORMERLY		

LEGEND:

- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN CATCH BASIN
- PROPOSED STORM DRAIN LINE
- EXISTING BORING LOCATION (B-XX)
- PROPERTY LINE
- PROPOSED CONTOUR (XXX)
- EXISTING CONTOUR (185)
- WETLAND FLAG & BOUNDARY (WF 2-43)
- WETLAND AREA
- WETLAND UPLAND REVIEW AREA (WB)
- EXISTING STONE WALL
- CROSS-SECTION IDENTIFIER (X / C.XX)
- ELEVATION IDENTIFIER (X / C.XX)
- DETAIL IDENTIFIER (X / C.XX)

MATERIAL SPECIFICATIONS:

GRANULAR FILL. GRANULAR FILL SHALL CONSIST OF INERT MATERIAL THAT IS HARD, DURABLE STONE AND SAND, FREE FROM LOAM AND CLAY, SURFACE COATINGS AND DELETERIOUS MATERIALS. THE COARSE AGGREGATE SHALL HAVE A PERCENTAGE OF WEAR, BY THE LOS ANGELES ABRASION TEST, OF NOT MORE THAN 50.

GRANULAR FILL SHALL CONFORM TO THE FOLLOWING:

	PERCENT PASSING BY WEIGHT	
SIEVE SIZE	MIN.	MAX.
⅔ LOOSE LIFT THICKNESS	100	--
NO. 10	30	95
NO. 40	10	70
NO. 200	0	15

LOW PERMEABILITY BORROW - LOW PERMEABILITY SOIL SHALL BE FREE FROM FOREIGN MATERIALS. THE PERMEABILITY SHALL BE NO GREATER THAN $1X10^{-6}$CM/S. AT 95% COMPACTION. LOW PERMEABILITY MATERIAL SHALL BE CONSISTENT WITH ONE OF THE FOLLOWING USCS DESIGNATIONS:

GC - CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES.
GM - SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
SC - CLAYEY SANDS, SAND-CLAY MIXTURES.
SM - SILTY SANDS, SAND-SILT MIXTURES.
ML - INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY.
MH - INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS.
CH - INORGANIC CLAYS OF HIGH PLASTICITY INDEX, FAT CLAYS
CL - INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY INDEX, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS.

ROLLED GRAVEL - MATERIALS FOR THIS ITEM SHALL CONSIST OF SOUND, TOUGH, DURABLE PARTICLES OF BANK OR CRUSHED GRAVEL, OR RECLAIMED MISCELLANEOUS AGGREGATE, OR MIXTURES THEREOF WITH THE RESULTANT UNIFORM BLEND CONTAINING NO MORE THAN 2% BY WEIGHT (MASS) OF ASPHALT CEMENT. THE MATERIALS SHALL CONSIST OF SOUND, TOUGH, DURABLE PARTICLES OF BANK OR CRUSHED GRAVEL. ALL MATERIALS SHALL BE FREE FROM THIN OR ELONGATED PIECES, LUMPS OF CLAY, LOAM, OR VEGETABLE MATTER. IT SHALL MEET GRADING "A" EXCEPT THAT THE TOP COURSE OF THE ROLLED BANK GRAVEL SURFACE SHALL CONFORM TO GRADING "C."

	A	B	C
SQUARE MESH SIEVES	PERCENT PASSING BY WEIGHT (MASS)		
PASS 5 INCH (125 MM)		100	
PASS 3 1/2 INCH (90 MM)	100	90-100	
PASS 1 1/2 INCH (37.5 MM)	55-100	55-95	100
PASS 3/4 INCH (19 MM)			45-80
PASS 1/4 INCH (6.3 MM)	25-60	25-60	25-60
PASS #10 (2.0 MM)	15-45	15-45	15-45
PASS #40 (425 MM)	5-25	5-25	5-25
PASS #100 (150 MM)	0-10	0-10	0-10
PASS #200 (75 MM)	0-5	0-5	0-5

STANDARD RIPRAP - MATERIALS FOR THIS ITEM SHALL CONSIST OF SOUND, TOUGH, DURABLE AND ANGULAR ROCK, FREE FROM DECOMPOSED STONES OR OTHER DEFECTS IMPAIRING ITS DURABILITY. THE SIZE OF A STONE AS HEREINAFTER SPECIFIED SHALL BE ITS LEAST DIMENSION. BROKEN CONCRETE OR ROUNDED STONES ARE NOT ACCEPTABLE.

THIS MATERIAL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

a) NOT MORE THAN 15% OF THE RIPRAP BY WEIGHT SHALL BE SCATTERED SPALLS AND STONES LESS THAN 6 INCHES IN SIZE.

b) NO STONE SHALL BE LARGER THAN 30 INCHES IN SIZE, AND AT LEAST 75% OF THE WEIGHT SHALL BE STONES AT LEAST 15 INCHES IN SIZE.

FILTER SAND. FILTER SAND SHALL BE FREE FROM ICE AND SNOW, ROOTS, SILT, CLAY, LOAM, SHALE, AND OTHER DELETERIOUS OR ORGANIC MATTER. FILTER SAND SHALL CONFORM TO THE QUALITY REQUIREMENTS OF ASTM C33, AND SHALL CONFORM TO THE FOLLOWING GRADATION REQUIREMENTS:

	PERCENT PASSING BY WEIGHT	
SIEVE SIZE	MIN.	MAX.
½"	100	--
⅜"	85	100
#4	60	100
#16	35	80
#50	10	55
#100	2	10
#200	0	2

INTERMDIATE RIPRAP. MATERIALS FOR THIS ITEM SHALL CONSIST OF SOUND, TOUGH, DURABLE AND ANGULAR ROCK, FREE FROM DECOMPOSED STONES OR OTHER DEFECTS IMPAIRING ITS DURABILITY. THE SIZE OF A STONE AS HEREINAFTER SPECIFIED SHALL BE ITS LEAST DIMENSION. BROKEN CONCRETE OR ROUNDED STONES ARE NOT ACCEPTABLE.

STONE SIZE	% OF THE WEIGHT
18 IN	0
10 - 18 IN	30 - 50
6 - 10 IN	30 - 50
4 - 6 IN	20 - 30
2 - 4 IN	10 - 20
< 2 IN	0 - 10

MODFIIED RIPRAP. MATERIALS FOR THIS ITEM SHALL CONSIST OF SOUND, TOUGH, DURABLE AND ANGULAR ROCK, FREE FROM DECOMPOSED STONES OR OTHER DEFECTS IMPAIRING ITS DURABILITY. THE SIZE OF A STONE AS HEREINAFTER SPECIFIED SHALL BE ITS LEAST DIMENSION. BROKEN CONCRETE OR ROUNDED STONES ARE NOT ACCEPTABLE.

STONE SIZE	% OF THE WEIGHT
10 IN	0
6 - 10 IN	20 - 50
4 - 6 IN	30 - 60
2 - 4 IN	30 - 40
1 - 2 IN	10 - 20
< 1 IN	0 - 10

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

STATE OF CONNECTICUT · JOSEPH CANAS · 20873 · LICENSED PROFESSIONAL ENGINEER
04/15/2025

Elton Rogers Park Dam Reconstruction

City of Bridgeport

Bridgeport, Connecticut

September 30, 2018

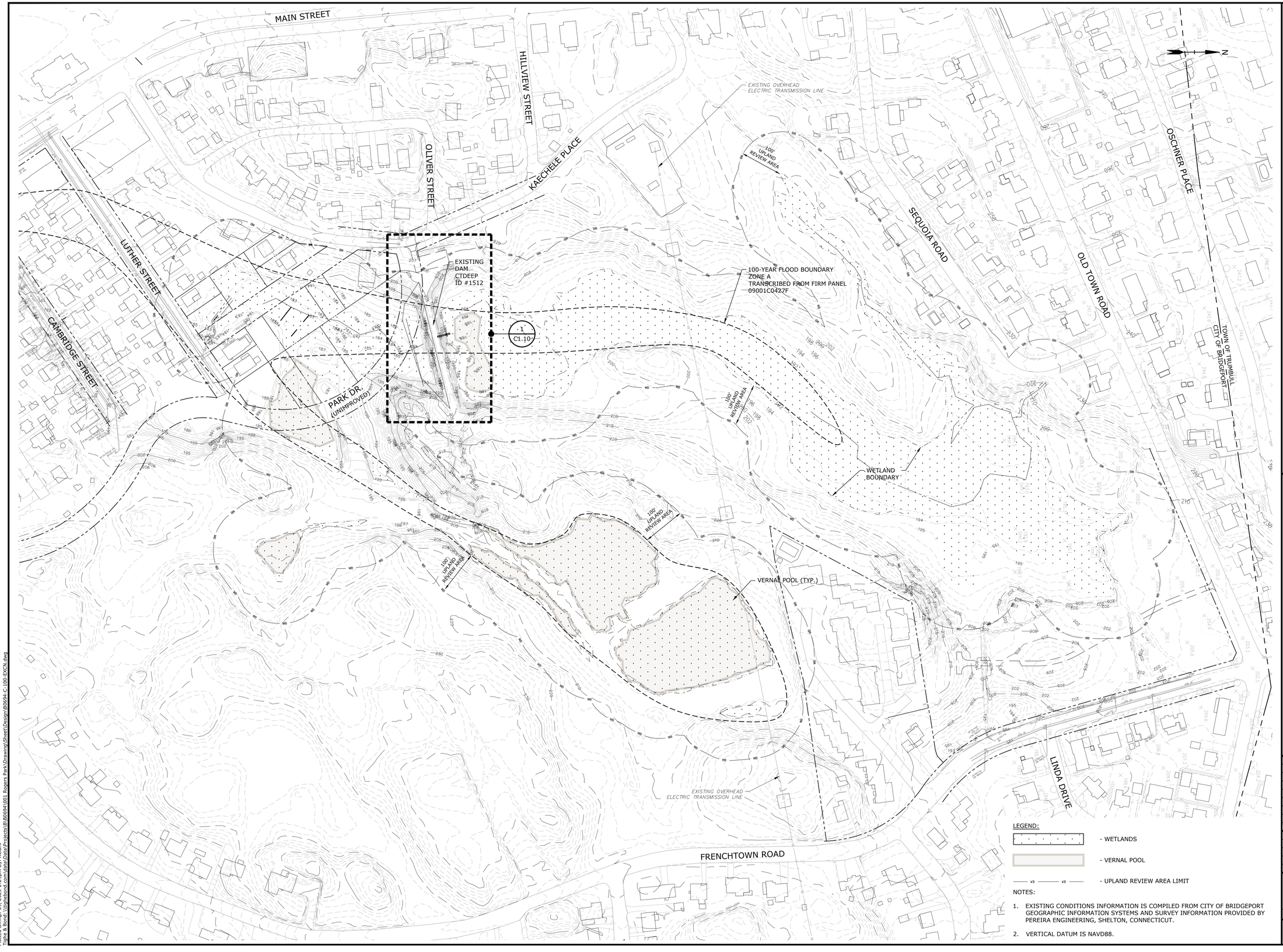
MARK	DATE	DESCRIPTION
1	6/26/24	RESPONSE TO COMMENTS

PROJECT NO: B0694-002
FILE: B0694-C-000-GENR.dwg
DRAWN BY:
CHECKED: JAC
APPROVED: RWC

TYPICAL SECTIONS, GENERAL NOTES, ABBREVIATIONS AND LEGEND

SCALE: AS NOTED

C0.00



LEGEND:

- WETLANDS
- VERNAL POOL
- UPLAND REVIEW AREA LIMIT

NOTES:

1. EXISTING CONDITIONS INFORMATION IS COMPILED FROM CITY OF BRIDGEPORT GEOGRAPHIC INFORMATION SYSTEMS AND SURVEY INFORMATION PROVIDED BY PEREIRA ENGINEERING, SHELTON, CONNECTICUT.
2. VERTICAL DATUM IS NAVD88.

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

STATE OF CONNECTICUT
JOSEPH CAMAS
SCOTT CAMAS
REGISTERED PROFESSIONAL ENGINEER
04/15/2025

Elton Rogers Park Dam Reconstruction

City of Bridgeport

Bridgeport, Connecticut

September 30, 2018

MARK	DATE	DESCRIPTION
1	6/26/24	RESPONSE TO COMMENTS

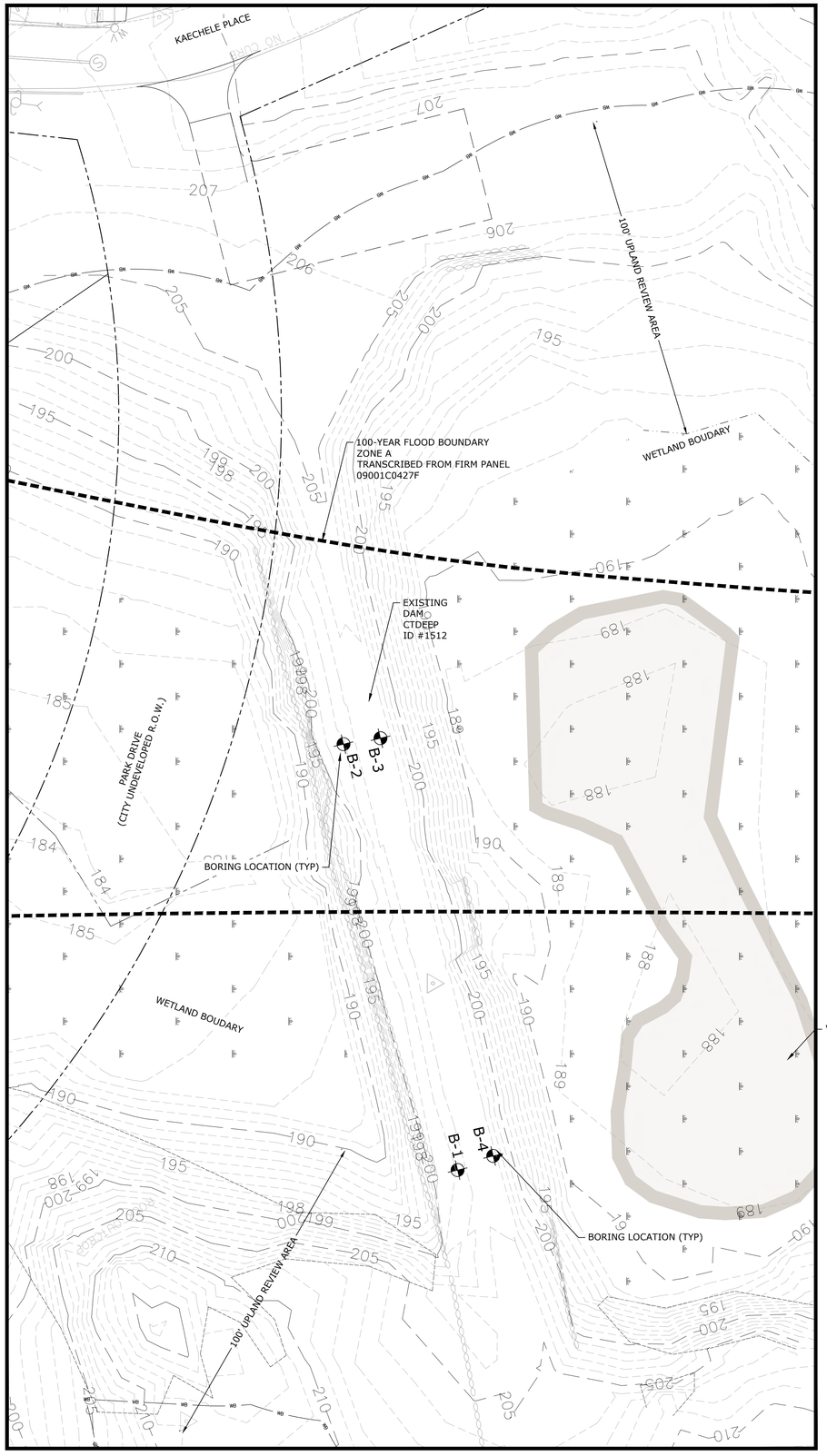
PROJECT NO:	B0694-002
FILE:	B0694-C-100-EXCN.dwg
DRAWN BY:	MDS
CHECKED:	JAC
APPROVED:	RWC

EXISTING CONDITIONS PLAN

SCALE: 1" = 100'

C1.00

Last Saved: 2/4/2025
Plotted On: Apr 09, 2025 2:29pm By: AClark
Tighe & Bond - \\tighebond.com\data\Projects\B0694\001 Rogers Park\Drawing\Sheet\Design\B0694-C-100-EXCN.dwg



1 EXISTING CONDITIONS ENLARGEMENT

LEGEND

WETLANDS

UPLAND REVIEW AREA LIMIT

NOTES:

1. EXISTING CONDITIONS INFORMATION IS COMPILED FROM CITY OF BRIDGEPORT GEOGRAPHIC INFORMATION SYSTEMS AND SURVEY INFORMATION PROVIDED BY PEREIRA ENGINEERING, SHELTON, CONNECTICUT.
2. VERTICAL DATUM IS NAVD88.

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

STATE OF CONNECTICUT
JOSEPH CAHAS
SCALE: 1" = 40' FEET
0 20 40'
PROFESSIONAL ENGINEER
04/15/2025

Elton Rogers Park Dam Reconstruction

City of Bridgeport

Bridgeport, Connecticut

September 30, 2018

MARK	DATE	DESCRIPTION
1	6/26/24	RESPONSE TO COMMENTS

PROJECT NO:	B0694-002
FILE:	B0694-C-100-EXCN.dwg
DRAWN BY:	MDS
CHECKED:	JAC
APPROVED:	RWC

EXISTING CONDITIONS ENLARGEMENT PLAN

SCALE: 1" = 20'

C1.10

Last Saved: 2/4/2025
Plotted On: Apr 09, 2025-2:29pm By: AClark
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Tighe&Bond
Consulting Engineers

Project: Elton Rodgers Park Dam
Location: Bridgeport, CT
Client: City of Bridgeport

Boring No. **B-1**
Page 1 of 2
File No. B-0694
Checked by: Z. Baum/C. Haker

Drilling Co.: General Borings
Foreman: Bob Poynton
T&B Rep.: Chris Dubuque
Date Start: 09/08/14 End: 09/09/14
Location See Exploration Location Plan
GS. Elev. 201' Datum: NAVD 88

	Casing	Sampler
Type	HW	Split Spoon
I.D./O.D.	4" / 4-1/4"	1-3/8"/2"
Hammer Wt.	300#	140#
Hammer Fall	30"	30"
Other	Cathead	Cathead

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/9/2014	See Note 1			

Depth (ft.)	Casing Blows Per Ft.	Sample No. / Rec. (in)	Sample Depth (ft.)	Blows Per 6"	Sample Description	General Stratigraphy	Notes	Well Construction
		S1/12	0-2	3-4	S1: Medium dense, light brown, SILT and fine			No Well Installed
				6-7	SAND, trace Gravel			
					Grinding on boulder from 3 ft to 5 ft			
5								
	20	S2/15	5-7	7-4	S2: Medium dense, light brown, SILT and fine SAND, trace Gravel	EMBANKMENT FILL		
	150			7-60	Grinder bit used from 6.5 ft to 7.5 ft to clear			
					boulder			
	20							
	52				Grinder bit used from 9 ft to 10 ft.			
10	31	S3/15	10-12	13-19	S3: Medium dense, light brown, SILT and			
	45			19-16	fine to medium SAND, trace Gravel			
	42							
	30							
	41							
15	33	S4&4A/12	15-17	20-24	S4: Top 7" Dense, light brown, SILT and fine to medium SAND, trace Gravel			
	49			18-14	S4A: Bottom 5" Dense, gray to light brown, SILT, some fine to medium Sand			
	47							
	70					18.5'		
20	100				Grinder bit used 19.5 ft to 21 ft			
	125							
	211/3"	S5/12	21-22.5	60-113	S5: Very dense, gray to brown, fine to medium SAND, some Silt, trace Gravel			
	110			110				
	235/3"				Grinder bit was used 23.25 ft to 24.25 ft			
25	114					SILTY SAND		
	155	S6/12	25-27	52-65	S6: Very dense, brown, fine to medium SAND, some Silt, trace Gravel			
	212			103-100				
	185							
	215							
30	218							

Notes:
1. Groundwater level, if any, unable to be determined due to drilling method.
2.The top 18" of material was scraped off with the backhoe to create a level working area.

Proportions Used

TRACE (TR.)	0 - <10%
LITTLE (LI.)	10 - <20%
SOME (SO.)	20 - <35%
AND	35 - <50%

Density/Consistency

VERY LOOSE	0-4	VERY SOFT	<2
LOOSE	4-10	SOFT	2-4
MEDIUM DENSE	10-30	MEDIUM	4-8
DENSE	30-50	STIFF	8-15
VERY DENSE	>50	VERY STIFF	15-30
		HARD	>30

Tighe&Bond
Consulting Engineers

Project: Elton Rodgers Park Dam
Location: Bridgeport, CT
Client: City of Bridgeport

Boring No. **B-1**
Page 2 of 2
File No. B-0694
Checked by: Z. Baum/C. Haker

Depth (ft.)	Casing Blows Per Ft.	Sample No. / Rec. (in)	Sample Depth (ft.)	Blows Per 6"	Sample Description	General Stratigraphy	Notes	Well Construction
		S7&7A/8	30-31.7	36-100	S7: 5" Very dense, brown, fine to medium SAND, some Silt	30.5'		No Well Installed
					S7A: 3" Very dense, light gray ,completely weathered bedrock			
		C1/60	31.7-36.7	3 min	C1:Hard, fresh, slightly fractured, fine to medium			
				3 min	grained, light gray, Shelton Member of Trap Falls	Bedrock		
35				3 min	Formation, GNEISS, close, steep joints			
				4 min	RQD=97%			
				4 min				
					Bottom of Exploration at 36.7 feet			
40								
45								
50								
55								
60								
65								

Notes:

Tighe&Bond
Consulting Engineers

Project: Elton Rodgers Park Dam
Location: Bridgeport, CT
Client: City of Bridgeport

Boring No. **B-2**
Page 1 of 1
File No. B-0694
Checked by: Z. Baum/C. Haker

Drilling Co.: General Borings
Foreman: Bob Poynton
T&B Rep.: Chris Dubuque
Date Start: 09/09/14 End: 09/10/14
Location See Exploration Location Plan
GS. Elev. 202' Datum: NAVD 88

	Casing	Sampler
Type	HW	Split Spoon
I.D./O.D.	4" / 4-1/4"	1-3/8"/2"
Hammer Wt.	300#	140#
Hammer Fall	30"	30"
Other	Cathead	Cathead

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/10/2014	See Note 1			

Depth (ft.)	Casing Blows Per Ft.	Sample No. / Rec. (in)	Sample Depth (ft.)	Blows Per 6"	Sample Description	General Stratigraphy	Notes	Well Construction
		S1/6	0-2	4-7	S1: Medium dense, light brown, SILT and fine			No Well Installed
				7-8	SAND, trace Gravel			
5								
	33	S2/6	5-7	19-16	S2: Dense, light brown, SILT and fine SAND, trace Gravel			
	26			15-13	1" thick Dark Brown, SILT and fine SAND lens			
	26				at 6 feet	EMBANKMENT FILL		
	39							
	25							
10	45	S3/8	10-12	14-14	S3: Dense, brown, fine to medium SAND and SILT,			
	55			18-34	trace Gravel			
	56							
	28	P1	13	N/A	Falling head permeability test.			
	41				Hydraulic conductivity = 4 x 10^{-5} cm/s			
15	9	S4/0	15-17	17-27	S4: No recovery			
	12			15-30				
	37				17.5 ft. may have drilled through wood			
	53				18 ft. wash water turned gray	18.5'		
	27				19 ft. wash water turned back to brown			
20	19	S5/12	20-22	8-18	S5: Dense, gray, fine to medium SAND, trace Gravel, trace Silt	SAND		
	54			24-38				
	90					23.5'		
	339/11"				Grinder bit used from 23.9 ft to 25 ft			
	105							
25	59	S6/6	25-26	40-105	S6: Very dense, red brown, SAND and SILT, trace Gravel	SAND and SILT		
	285/11"				Grinder bit used from 27.5 ft to 28.5 ft			
		S7/0	28.5	50/0"	S7: Split spoon was bouncing at 28.5'			
30					Bottom of Exploration at 28.5 feet due to refusal			

Notes:
1. Groundwater level, if any, unable to be determined due to drilling method.
2. The top 12" of material was scraped off with the backhoe to create a level working surface.

Proportions Used

TRACE (TR.)	0 - <10%
LITTLE (LI.)	10 - <20%
SOME (SO.)	20 - <35%
AND	35 - <50%

Density/Consistency

VERY LOOSE	0-4	VERY SOFT	<2
LOOSE	4-10	SOFT	2-4
MEDIUM DENSE	10-30	MEDIUM	4-8
DENSE	30-50	STIFF	8-15
VERY DENSE	>50	VERY STIFF	15-30
		HARD	>30

Tighe&Bond
Consulting Engineers

Project: Elton Rodgers Park Dam
Location: Bridgeport, CT
Client: City of Bridgeport

Boring No. **B-3**
Page 1 of 1
File No. B-0694
Checked by: Z. Baum/C. Haker

Drilling Co.: General Borings
Foreman: Bob Poynton
T&B Rep.: Chris Dubuque
Date Start: 09/10/14 End: 09/11/14
Location See Exploration Location Plan
GS. Elev. 203.0 Datum: NAVD 88

	Casing	Sampler
Type	HW	Split Spoon
I.D./O.D.	4" / 4-1/4"	1-3/8"/2"
Hammer Wt.	300#	140#
Hammer Fall	30"	30"
Other	Cathead	Cathead

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/11/2014	See Note 1			

Depth (ft.)	Casing Blows Per Ft.	Sample No. / Rec. (in)	Sample Depth (ft.)	Blows Per 6"	Sample Description	General Stratigraphy	Notes	Well Construction
		S1/12	0-2	5-6	S1: Medium dense, light brown, SILT and SAND, trace Gravel			No Well Installed
				7-8				
5								
		S2/10	5-7	5-26	S2: Very dense, light brown, SILT and SAND, some Gravel	EMBANKMENT FILL		
				34-32				
	53	S3/13	7-9	30-25	S3: Very dense, light brown, GRAVEL, some fine to medium SAND, little Silt			
	64			27-23				
10	83							
		S4/8	10-12	20-25	S4: Dense, red brown, fine to medium SAND and SILT, some Gravel			
				23-19				
	22	S5/12	12-14	20-13	S5: Dense, red brown, fine to medium SAND and SILT, some Gravel			
	20			30-21				
	22							
15	15	S6/11	15-17	10-9	S6: Medium dense, red brown, fine to medium SAND and Clayey SILT, some Gravel, trace Organics (wood & root matter)			
	32			10-7		17'		
	17	S7/12	17-19	7-10	1" light gray, fine to meduim SAND in the tip of the split spoon			
	37			28-25	S7: Medium dense, light gray, fine to medium SAND, some Silt			
	76	P1	20	N/A	Falling head permeability test. Hydraulic conductivity = 2 x 10^{-5} cm/s			
20	15	S8/10	20-22	9-9	S8: Medium dense, light gray, fine to medium SAND, some Silt, trace Gravel with lens of Clayey SILT, some fine Sand	SILTY SAND		
	26			8-14				
	23	S9/16	22-24	19-23	S9: Very dense, light gray, fine to medium SAND some Silt, some Gravel			
	57	S9A/16		48-57	S9A: Very dense, light gray, fine to medium SAND, some Silt, some Gravel			
	145							
25	77	S10/12	25-27	54-105	S10: Very dense, light brown, fine to medium SAND, some Silt, some Gravel			
	147			57-78	S11: 4" Very dense, light brown, fine to coarse SAND, some Gravel, little Silt			
	103	S11/8	27-29	44-54	S11A: 4" Very dense, red brown, fine to coarse SAND, some Gravel, little Silt			
	114	S11A/8		100/3"	S12: Grinder bit to 29.3' / Split spoon was bouncing at 29'-3"			
30	170/3"	S12/0	29.3	50/0"	Bottom of Exploration at 29.3 feet due to refusal			

Notes:
1. Groundwater level, if any, unable to be determined due to drilling method.
2. The top 6" of material was scraped off with the backhoe to create a level working surface. B-3 is about 12" higher than B-2 and they are about 15' apart.

Proportions Used

TRACE (TR.)	0 - <10%
LITTLE (LI.)	10 - <20%
SOME (SO.)	20 - <35%
AND	35 - <50%

Density/Consistency

VERY LOOSE	0-4	VERY SOFT	<2
LOOSE	4-10	SOFT	2-4
MEDIUM DENSE	10-30	MEDIUM	4-8
DENSE	30-50	STIFF	8-15
VERY DENSE	>50	VERY STIFF	15-30
		HARD	>30

Tighe&Bond
Consulting Engineers

Project: Elton Rodgers Park Dam
Location: Bridgeport, CT
Client: City of Bridgeport

Boring No. **B-4**
Page 1 of 1
File No. B-0694
Checked by: Z. Baum/C. Haker

Drilling Co.: General Borings
Foreman: Bob Poynton
T&B Rep.: Chris Dubuque
Date Start: 09/11/14 End: 09/11/14
Location See Exploration Location Plan
GS. Elev. 203 Datum: NAVD 88

	Casing	Sampler
Type	HW	Split Spoon
I.D./O.D.	4" / 4-1/4"	1-3/8"/2"
Hammer Wt.	300#	140#
Hammer Fall	30"	30"
Other	Cathead	Cathead

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/11/2014	See Note 1			

Depth (ft.)	Casing Blows Per Ft.	Sample No. / Rec. (in)	Sample Depth (ft.)	Blows Per 6"	Sample Description	General Stratigraphy	Notes	Well Construction
		S1/6	0-2	4-4	S1: Loose, light brown, SILT and fine SAND, trace Gravel, roots			No Well Installed
				3-4				
5								
	27	S2/17	5-7	10-14	S2: Meduim dense, light brown, SILT and fine SAND, trace Gravel	EMBANKMENT FILL		
	39			14-29	1" of red brown, fine SAND and SILT in center of sample			
	63							
	70							
10								
	13	S3/14	10-12	11-17	S3: Dense, red brown, SILT and fine SAND, trace Gravel			
	36			24-16				
	29							
	26					18.5'		
	25							
15	2	S4/2	15-17	13-8	S4: Medium dense, gray brown, SILT and CLAY, some fine SAND			
	11			5-4				
	7	S5/14	17-19	3-3	S5: Loose fine, gray brown, clayey SILT and fine SAND, trace Gravel	SILT and SAND		
	7			3-4				
	9				S6:8" Dense, gray SILT and fine to medium SAND,			
20		S6&6A/14	20-22	16-20	trace Gravel; S6A: 6" Dense, red brown, fine to			
				26-27	medium SAND, trace Silt	21'		
		S7/10	22-23.2	25-34	S7: Very dense, brown, fine to coarse SAND, some Gravel, trace Silt	SAND		
				110/2"	Bottom of Exploration at 23.2 feet			
25								
30								

Notes:
1. Groundwater level, if any, unable to be determined due to drilling method.

Proportions Used

TRACE (TR.)	0 - <10%
LITTLE (LI.)	10 - <20%
SOME (SO.)	20 - <35%
AND	35 - <50%

Density/Consistency

VERY LOOSE	0-4	VERY SOFT	<2
LOOSE	4-10	SOFT	2-4
MEDIUM DENSE	10-30	MEDIUM	4-8
DENSE	30-50	STIFF	8-15
VERY DENSE	>50	VERY STIFF	15-30
		HARD	>30

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STATE OF CONNECTICUT
JOSEPH CANAS
20873
LICENSED
PROFESSIONAL ENGINEER
04/15/2025

Elton Rogers Park Dam Reconstruction

City of Bridgeport

Bridgeport, Connecticut

September 30, 2018

MARK	DATE	DESCRIPTION
1	6/26/24	RESPONSE TO COMMENTS

PROJECT NO: B0694-002
FILE: B0694-C-100-EXCN.dwg
DRAWN BY: MDS
CHECKED: JAC
APPROVED: RWC

SUBSURFACE EXPLORATION LOGS

SCALE: 1" = 20'

C1.20

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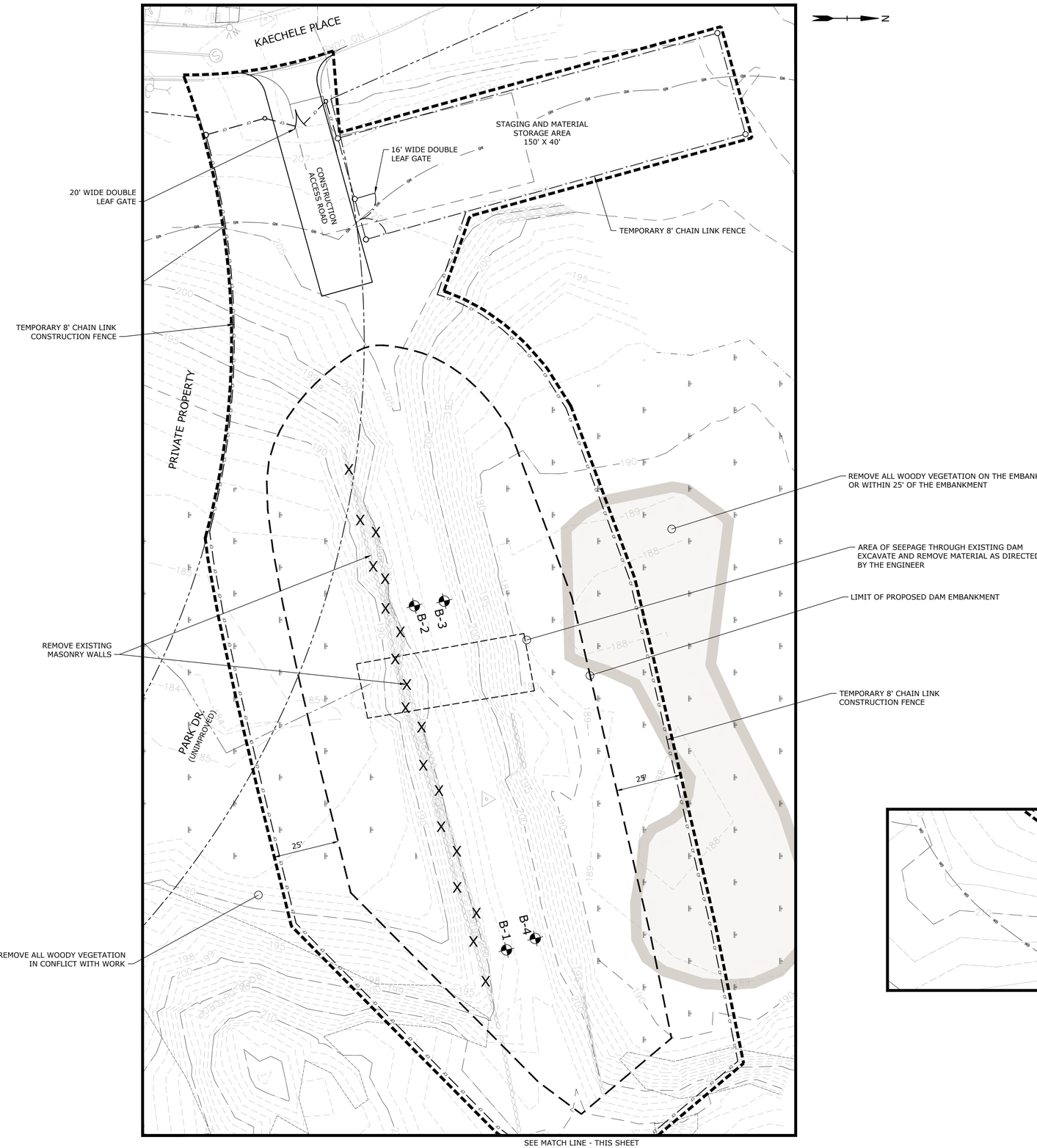

NOTES:

1. EXISTING CONDITIONS INFORMATION IS COMPILED FROM CITY OF BRIDGEPORT GEOGRAPHIC INFORMATION SYSTEMS AND SURVEY INFORMATION PROVIDED BY PEREIRA ENGINEERING, SHELTON, CONNECTICUT.
2. VERTICAL DATUM IS NAVD88.
3. REFER TO SEDIMENTATION AND EROSION DRAWINGS FOR SEQUENCING AND REQUIRED CONTROLS.
4. ORGANIC SOILS AND MATERIALS AND UNSUITABLE MATERIALS BELOW EXISTING GRADE ARE TO BE REMOVED. ENGINEER TO DETERMINE DEPTH OF REMOVAL AND SUITABILITY OF MATERIAL. WHERE SUCH MATERIAL IS REMOVED, IT SHALL BE REPLACED WITH SUITABLE FILL MATERIAL AND COMPACTED AS DIRECTED BY THE ENGINEER.

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STATE OF CONNECTICUT
JOSEPH CANAS
LICENSED PROFESSIONAL ENGINEER
04/15/2025

Elton Rogers Park Dam Reconstruction

City of Bridgeport

Bridgeport, Connecticut

September 30, 2018

MARK	DATE	DESCRIPTION
1	6/26/24	RESPONSE TO COMMENTS

PROJECT NO:	B0694-002
FILE:	B0694-C-200-PREP.dwg
DRAWN BY:	MDS
CHECKED:	JAC
APPROVED:	RWC

SITE PREPARATION PLAN

SCALE: 1" = 20'

C2.00

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Elton Rogers Park Dam Reconstruction

City of Bridgeport

Bridgeport, Connecticut

September 30, 2018

MARK	DATE	DESCRIPTION
1	6/26/24	RESPONSE TO COMMENTS

PROJECT NO:	B0694-002
FILE:	B0694-C-300-INDX.dwg
DRAWN BY:	MDS
CHECKED:	JAC
APPROVED:	RWC

INDEX PLAN

SCALE: 1" = 100'

C3.00

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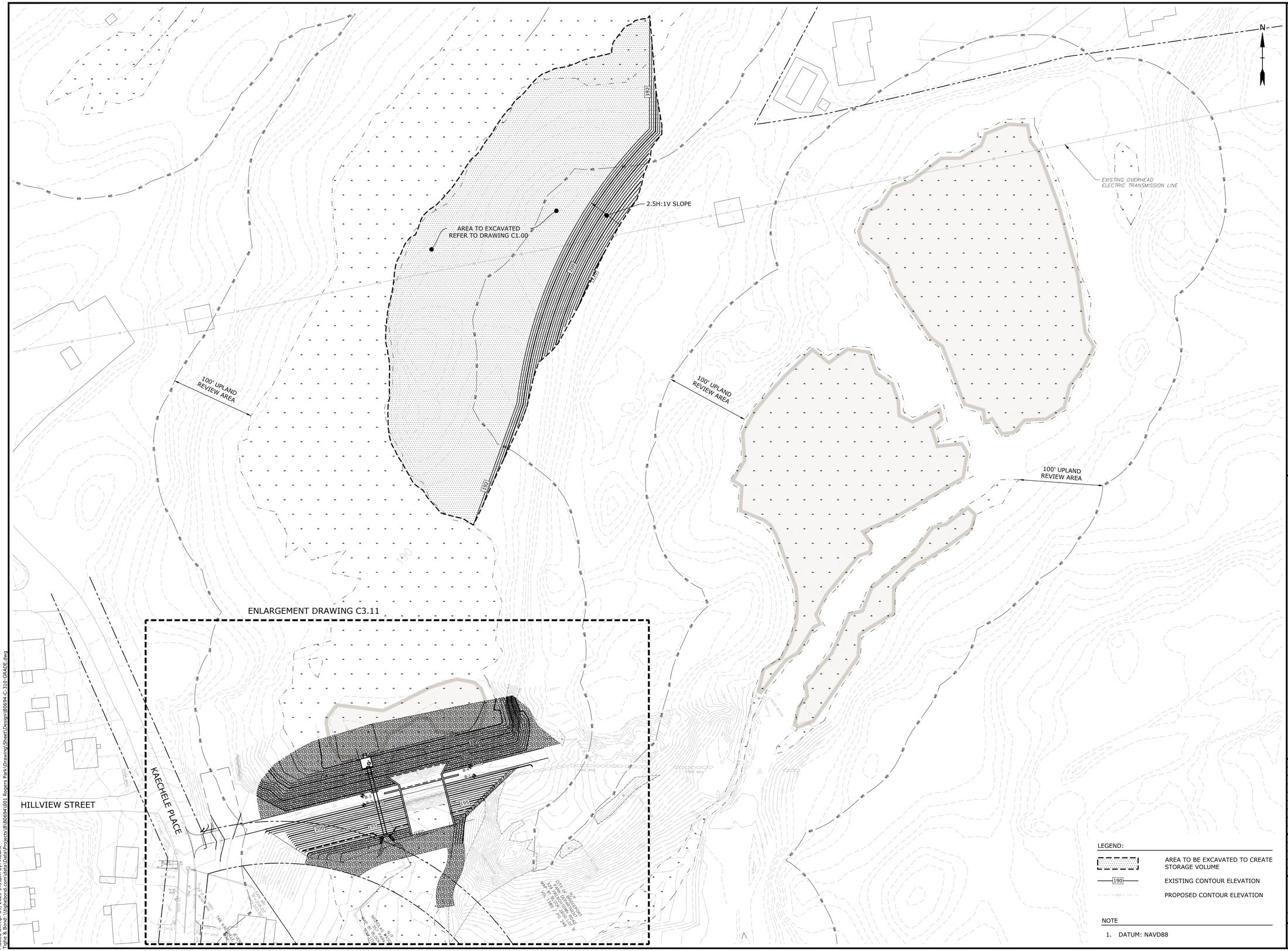

LEGEND:

- AREA TO BE EXCAVATED TO CREATE STORAGE VOLUME
- 190 — EXISTING CONTOUR ELEVATION
- PROPOSED CONTOUR ELEVATION

NOTE

1. DATUM: NAVD88

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Elton Rogers Park Dam Reconstruction

City of Bridgeport

Bridgeport, Connecticut

September 30, 2018

MARK	DATE	DESCRIPTION
1	6/26/24	RESPONSE TO COMMENTS

PROJECT NO:	B0694-002
FILE:	B0694-C-310-GRADE.dwg
DRAWN BY:	MDS
CHECKED:	JAC
APPROVED:	RWC

OUTLET AREA ENLARGEMENT PLAN

SCALE: 1" = 50'

C3.10

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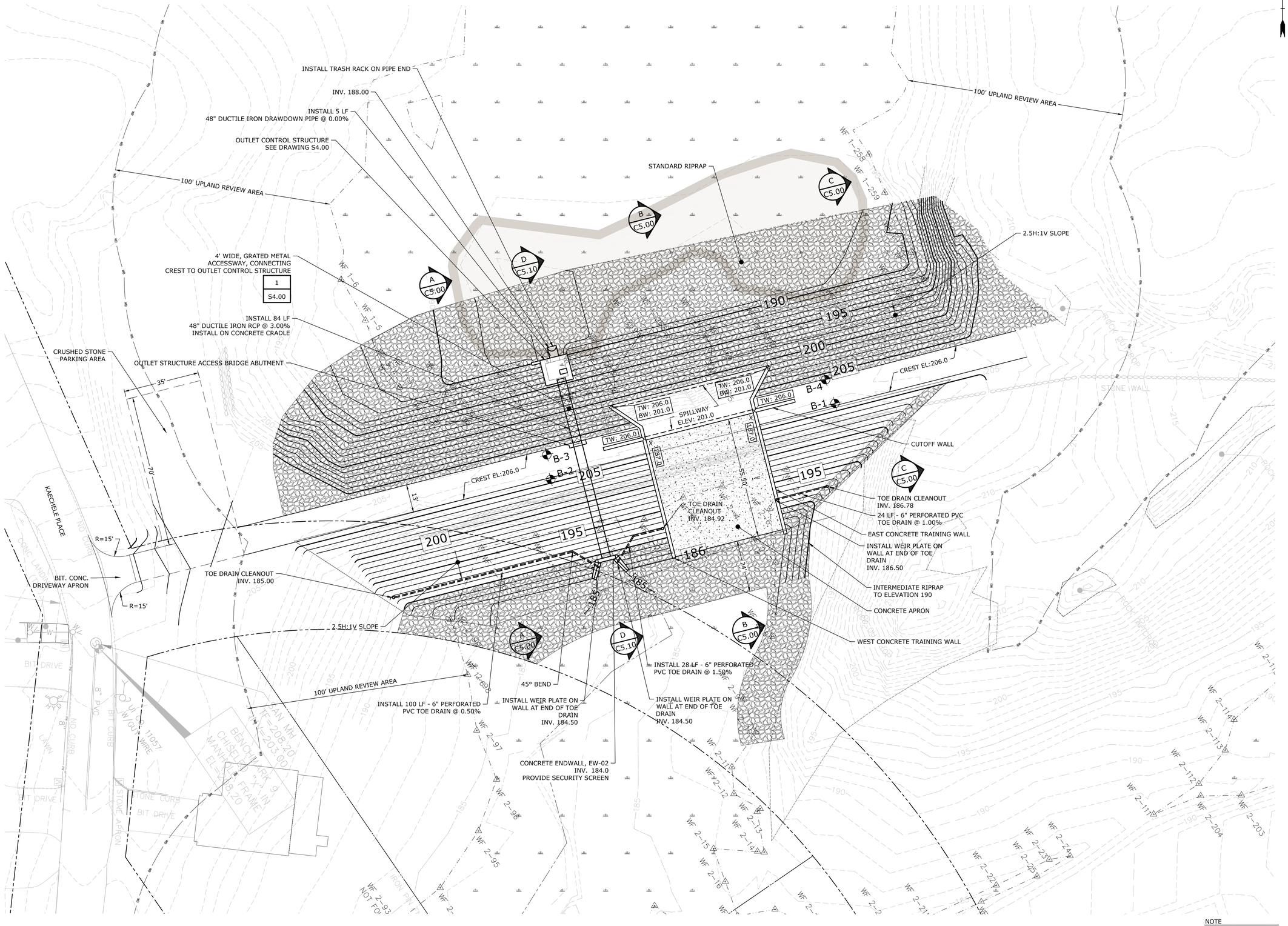

NOTE
1. DATUM: NAVD88

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Elton Rogers Park Dam Reconstruction

City of Bridgeport

Bridgeport, Connecticut

September 30, 2018

MARK	DATE	DESCRIPTION
1	6/26/24	RESPONSE TO COMMENTS

PROJECT NO:	B0694-002
FILE:	B0694-C-310-GRADE.dwg
DRAWN BY:	MDS
CHECKED:	JAC
APPROVED:	RWC

PRIMARY DAM ENLARGEMENT PLAN

SCALE: 1" = 20'

C3.11

Last Saved: 2/4/2025
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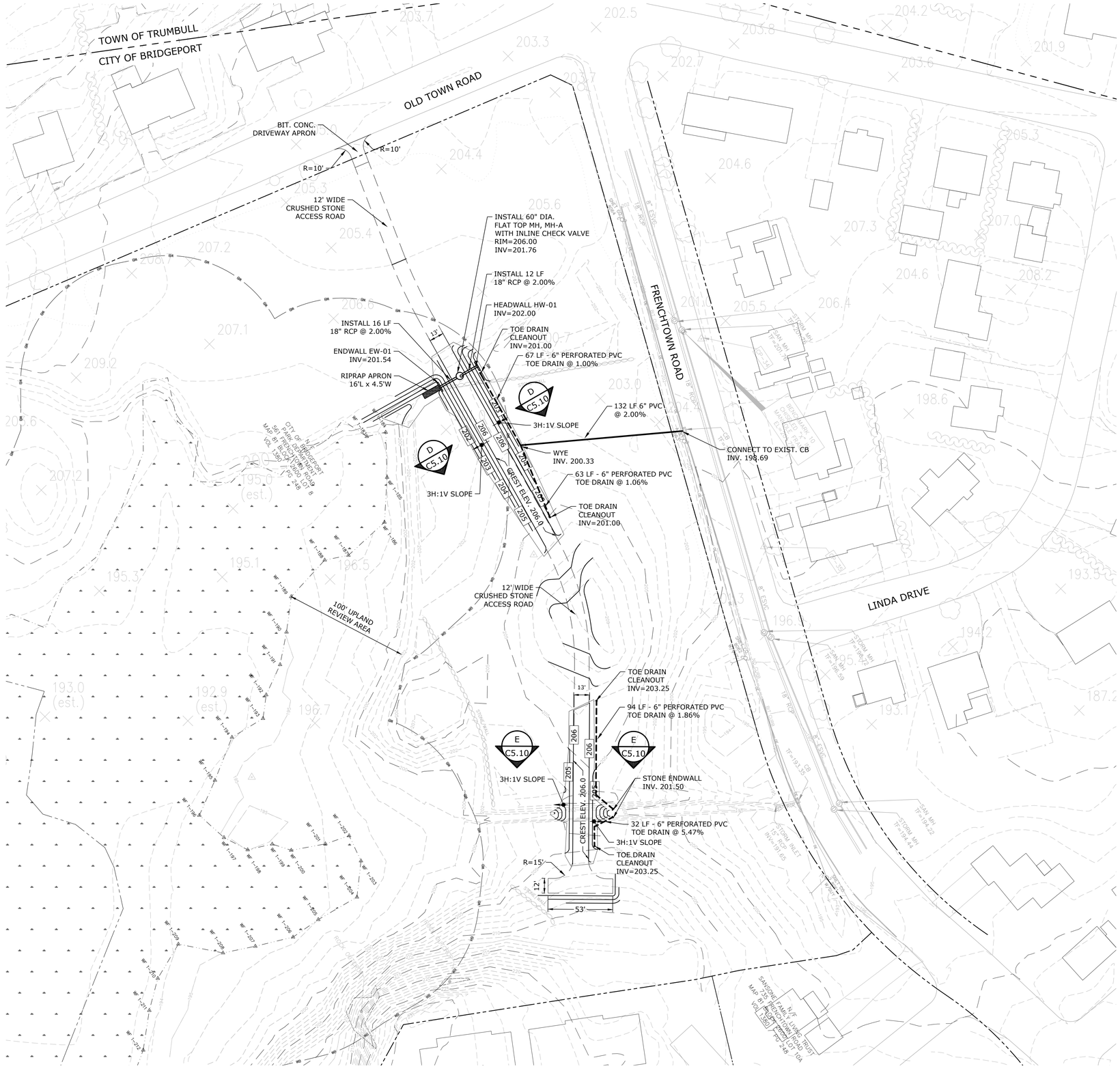

NOTE
1. DATUM: NAVD88

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Shelton, CT 06484
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STATE OF CONNECTICUT
JOSEPH CANAS
SCOTT CREET
LICENSED PROFESSIONAL ENGINEER
04/15/2025

Elton Rogers Park Dam Reconstruction

City of Bridgeport

Bridgeport, Connecticut

September 30, 2018

MARK	DATE	DESCRIPTION
1	6/26/24	RESPONSE TO COMMENTS

PROJECT NO:	B0694-002
FILE:	B0694-C-310-GRADE.dwg
DRAWN BY:	MDS
CHECKED:	JAC
APPROVED:	RWC

NORTHEAST AREA ENLARGEMENT PLAN

SCALE: 1" = 40'

C3.20

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NOTE:

1. ACCESS TO CONSTRUCTION AREAS SHALL BE SECURED BY TEMPORARY 8' CHAIN LINK FENCE. FENCING SECURED AREA MUST BE MINIMUM TO CONDUCT WORK TO ALLOW PUBLIC ACCESS TO REMAINDER OF PARK.

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
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(203) 712-1100

0 200'

04/15/2025

Elton Rogers Park Dam Reconstruction

City of Bridgeport

Bridgeport, Connecticut

September 30, 2018

MARK	DATE	DESCRIPTION
1	6/26/24	RESPONSE TO COMMENTS

PROJECT NO: B0694-002
FILE: B0694-C-400-PHASE.dwg
DRAWN BY: MDS
CHECKED: JAC
APPROVED: RWC

CONSTRUCTION PHASING PLAN

SCALE: 1" = 100'

C4.00

Last Saved: 7/1/2024
Plotted On:Apr 09, 2025-2:54pm By: AClark
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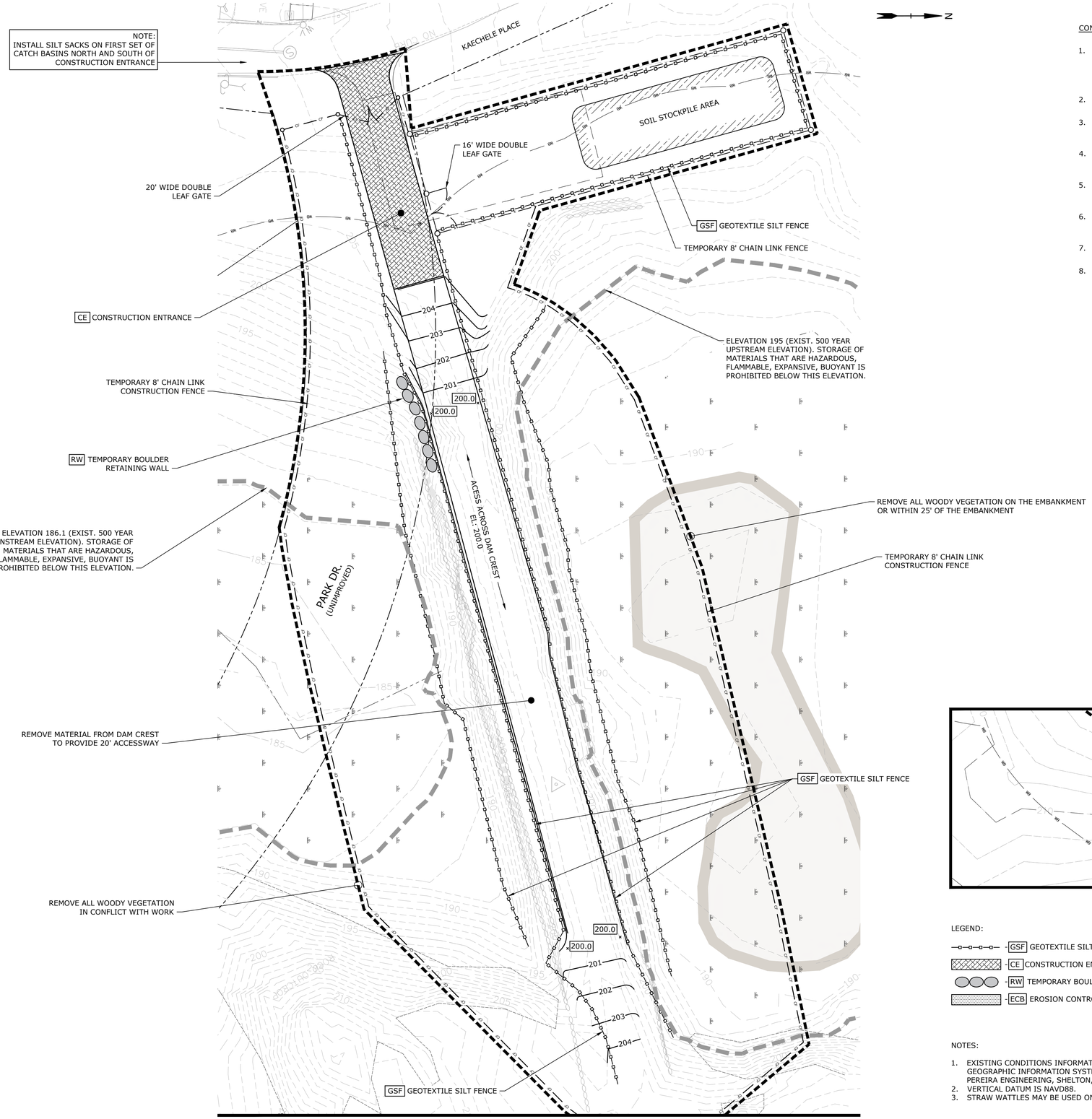
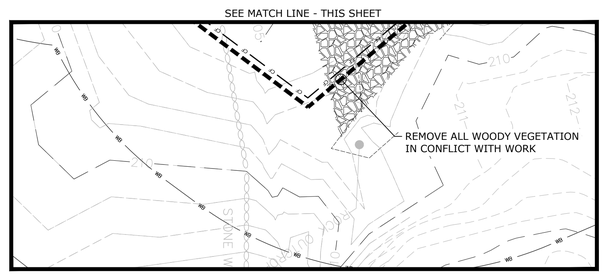


CONSTRUCTION SEQUENCE - PHASE 1

1. CONDUCT A PRECONSTRUCTION MEETING WITH THE OWNER OR OWNER'S REPRESENTATIVE, CITY ENGINEER, DESIGN ENGINEER, CONTRACTOR AND SITE SUPERINTENDENT TO ESTABLISH THE LIMITS OF CONSTRUCTION, CONSTRUCTION PROCEDURES AND MATERIAL STOCKPILE AREAS.
2. FIELD STAKE THE LIMITS OF CONSTRUCTION.
3. INSTALL APPLICABLE SOIL AND EROSION CONTROL MEASURES AROUND THE PERIMETER OF THE SITE TO THE MAXIMUM EXTENT POSSIBLE.
4. INSTALL CONSTRUCTION ENTRANCE AND FENCING AROUND CONSTRUCTION STAGING AND STORAGE AREA.
5. INSTALL SILT SACKS ON THE FIRST SET OF CATCH BASINS NORTH AND SOUTH OF THE SITE ENTRANCE ON KAECHELE PLACE.
6. BEGIN TO REMOVE MATERIAL FROM DAM TO PROVIDE A LEVEL 20' WIDE ACCESSWAY ACROSS THE DAM.
7. STOCKPILE MATERIAL IN STAGING AREA, AND HAUL OFF SITE.
8. PROVIDE STABILIZED GRAVEL SURFACE A FOR ACCESSWAY.



LEGEND:

- GSF GEOTEXTILE SILT FENCE
- CE CONSTRUCTION ENTRANCE
- RW TEMPORARY BOULDER RETAINING WALL
- ECB EROSION CONTROL BLANKET

NOTES:

1. EXISTING CONDITIONS INFORMATION IS COMPILED FROM CITY OF BRIDGEPORT GEOGRAPHIC INFORMATION SYSTEMS AND SURVEY INFORMATION PROVIDED BY PEREIRA ENGINEERING, SHELTON, CONNECTICUT.
2. VERTICAL DATUM IS NAVD88.
3. STRAW WATTLES MAY BE USED ON DAM IN LIEU OF GEOTEXTILE SILT FENCE.

SCALE IN FEET
0 20' 40'
GRAPHIC SCALE

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
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STATE OF CONNECTICUT · JOSEPH CANAS · 20873 · LICENSED PROFESSIONAL ENGINEER · 04/15/2025

Elton Rogers Park Dam Reconstruction

City of Bridgeport

Bridgeport, Connecticut

September 30, 2018

MARK	DATE	DESCRIPTION
1	6/26/24	RESPONSE TO COMMENTS
PROJECT NO:		B0694-002
FILE:		B0694-C-410-SESC.dwg
DRAWN BY:		MDS
CHECKED:		JAC
APPROVED:		RWC

SEDIMENT AND EROSION CONTROL PLAN - PHASE 1

SCALE: 1" = 20'

C4.10

Last Saved: 7/1/2024
Plotted On: Apr 09, 2025 - 2:55pm By: AClark
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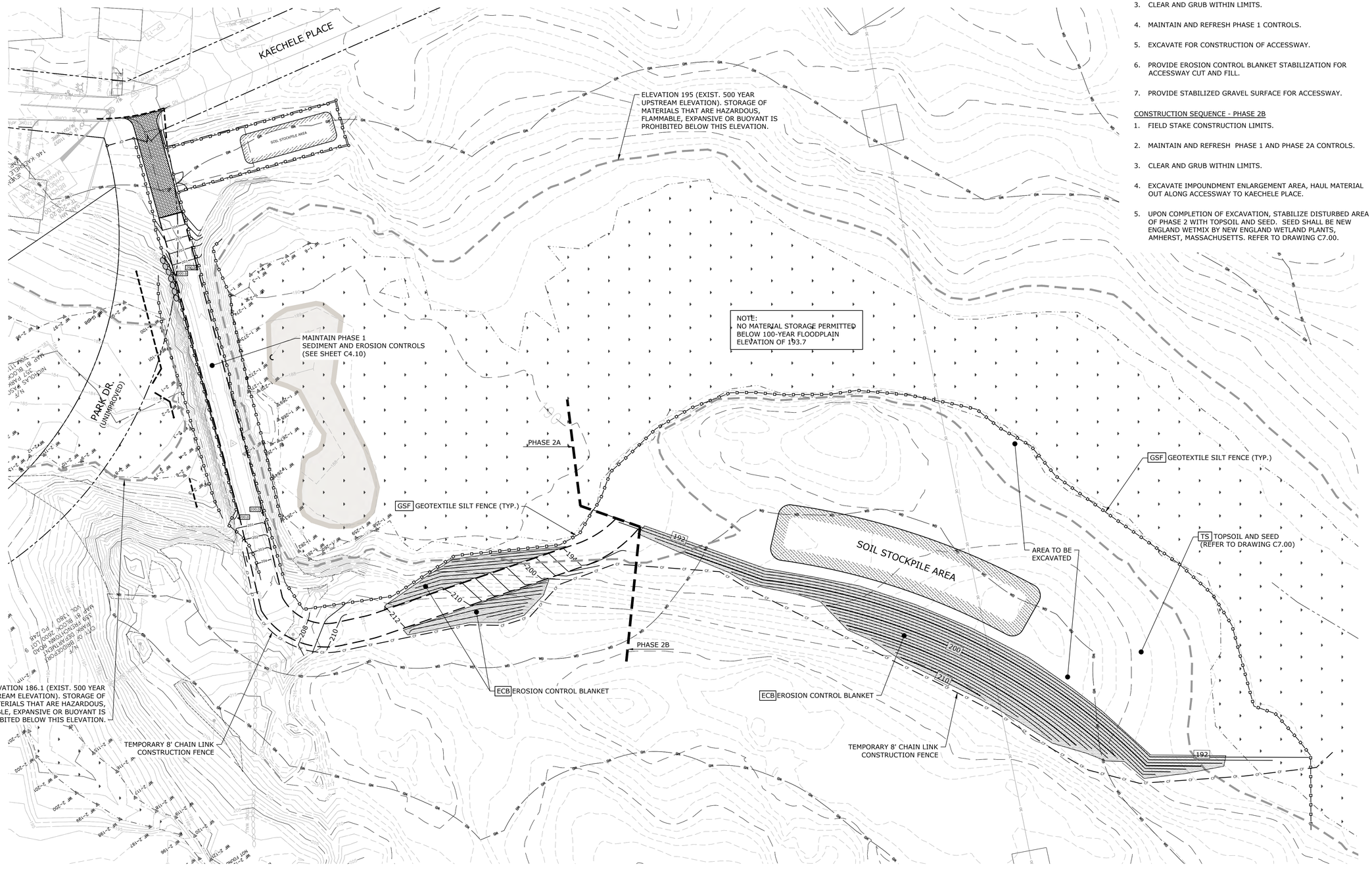


CONSTRUCTION SEQUENCE - PHASE 2A

1. FIELD STAKE CONSTRUCTION LIMITS.
2. INSTALL PERIMETER EROSION CONTROLS.
3. CLEAR AND GRUB WITHIN LIMITS.
4. MAINTAIN AND REFRESH PHASE 1 CONTROLS.
5. EXCAVATE FOR CONSTRUCTION OF ACCESSWAY.
6. PROVIDE EROSION CONTROL BLANKET STABILIZATION FOR ACCESSWAY CUT AND FILL.
7. PROVIDE STABILIZED GRAVEL SURFACE FOR ACCESSWAY.

CONSTRUCTION SEQUENCE - PHASE 2B

1. FIELD STAKE CONSTRUCTION LIMITS.
2. MAINTAIN AND REFRESH PHASE 1 AND PHASE 2A CONTROLS.
3. CLEAR AND GRUB WITHIN LIMITS.
4. EXCAVATE IMPOUNDMENT ENLARGEMENT AREA, HAUL MATERIAL OUT ALONG ACCESSWAY TO KAECHELE PLACE.
5. UPON COMPLETION OF EXCAVATION, STABILIZE DISTURBED AREA OF PHASE 2 WITH TOPSOIL AND SEED. SEED SHALL BE NEW ENGLAND WETMIX BY NEW ENGLAND WETLAND PLANTS, AMHERST, MASSACHUSETTS. REFER TO DRAWING C7.00.

LEGEND:

- CE CONSTRUCTION ENTRANCE
- ECB EROSION CONTROL BLANKET
- GSF GEOTEXTILE SILT FENCE
- TS TOPSOIL & SEED

SCALE IN FEET
0 40' 80'
GRAPHIC SCALE

NOTE
1. DATUM: NAVD88

Tighe&Bond
1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

STATE OF CONNECTICUT · JOSEPH CAHAS · 20873 · LICENSED PROFESSIONAL ENGINEER · 04/15/2025

Elton Rogers Park Dam Reconstruction

City of Bridgeport

Bridgeport, Connecticut

September 30, 2018

MARK	DATE	DESCRIPTION
1	6/26/24	RESPONSE TO COMMENTS

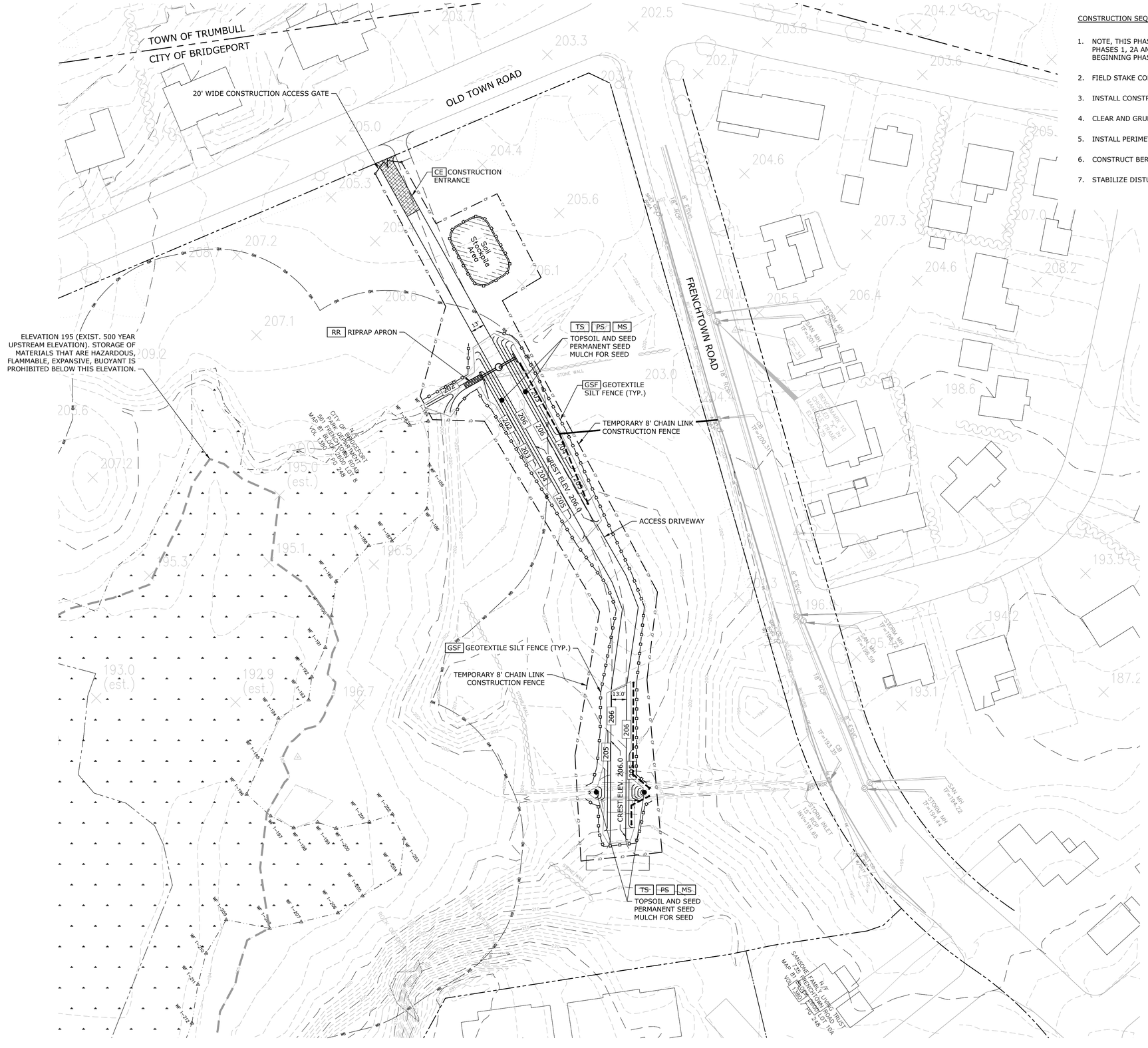
PROJECT NO:	B0694-002
FILE:	B0694-C-420-SESC.dwg
DRAWN BY:	MDS
CHECKED:	JAC
APPROVED:	RWC

SEDIMENT AND EROSION CONTROL PLAN
PHASE 2A & 2B

SCALE: 1" = 40'

C4.20

Last Saved: 7/1/2024
Printed On: Apr 09, 2025 - 2:56pm By: AClark
Tighe & Bond - \\tighebond.com\data\Data\Projects\B\B0694\001 Rogers Park\Drawing\Sheet\Design\B0694-C-420-SESC.dwg



CONSTRUCTION SEQUENCE - PHASE 3

1. NOTE, THIS PHASE MAY BE PERFORMED CONCURRENTLY WITH PHASES 1, 2A AND/OR 2B, BUT MUST BE COMPLETED BEFORE BEGINNING PHASE 4.
2. FIELD STAKE CONSTRUCTION LIMITS.
3. INSTALL CONSTRUCTION ENTRANCE.
4. CLEAR AND GRUB CONSTRUCTION LIMITS.
5. INSTALL PERIMETER EROSION CONTROLS.
6. CONSTRUCT BERMS.
7. STABILIZE DISTURBED AREAS.

NOTE
1. DATUM: NAVD88

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STATE OF CONNECTICUT
JOSEPH CANAS
20873
LICENSED PROFESSIONAL ENGINEER
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Elton Rogers Park Dam Reconstruction

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DRAWN BY:	MDS
CHECKED:	JAC
APPROVED:	RWC

SEDIMENT AND EROSION CONTROL PLAN - PHASE 3

SCALE: 1" = 40'

C4.30

Last Saved: 7/1/2024
Plotted On: Apr 09, 2025 2:57pm By: AClark
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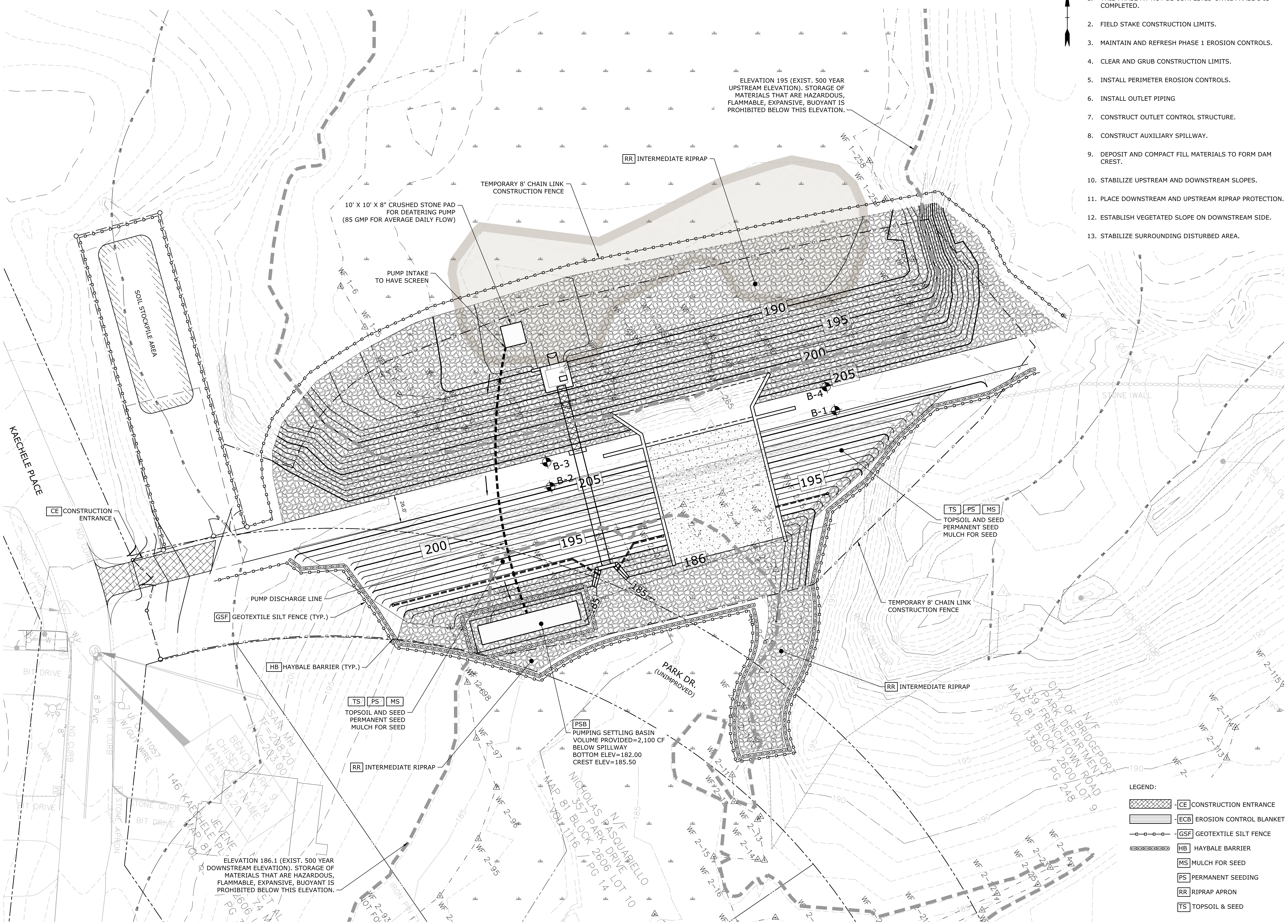
CONSTRUCTION SEQUENCE - PHASE 4

1. THIS PHASE MY NOT BE COMPLETED UNTIL PHASE 3 IS COMPLETED.
2. FIELD STAKE CONSTRUCTION LIMITS.
3. MAINTAIN AND REFRESH PHASE 1 EROSION CONTROLS.
4. CLEAR AND GRUB CONSTRUCTION LIMITS.
5. INSTALL PERIMETER EROSION CONTROLS.
6. INSTALL OUTLET PIPING
7. CONSTRUCT OUTLET CONTROL STRUCTURE.
8. CONSTRUCT AUXILIARY SPILLWAY.
9. DEPOSIT AND COMPACT FILL MATERIALS TO FORM DAM CREST.
10. STABILIZE UPSTREAM AND DOWNSTREAM SLOPES.
11. PLACE DOWNSTREAM AND UPSTREAM RIPRAP PROTECTION.
12. ESTABLISH VEGETATED SLOPE ON DOWNSTREAM SIDE.
13. STABILIZE SURROUNDING DISTURBED AREA.



LEGEND:

- CE CONSTRUCTION ENTRANCE
- ECB EROSION CONTROL BLANKET
- GSF GEOTEXTILE SILT FENCE
- HB HAYBALE BARRIER
- MS MULCH FOR SEED
- PS PERMANENT SEEDING
- RR RIPRAP APRON
- TS TOPSOIL & SEED

NOTE

1. DATUM: NAVD88

Last Saved: 4/9/2025
Plotted On:Apr 09, 2025-2:58pm By: AClark
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STATE OF CONNECTICUT JOSEPH CANAS PROFESSIONAL ENGINEER
04/15/2025

0 20' 40'

Elton Rogers Park Dam Reconstruction

City of Bridgeport

Bridgeport, Connecticut

September 30, 2018

MARK	DATE	DESCRIPTION
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CHECKED:	JAC
APPROVED:	RWC

SEDIMENT AND EROSION CONTROL PLAN - PHASE 4

SCALE: 1" = 20'

C4.40

EROSION CONTROL NOTES

1. ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", DEP BULLETIN NO. 34, AND ALL AMENDMENTS AND ADDENDA THERETO AS PUBLISHED BY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION.
2. LAND DISTURBANCE SHALL BE KEPT TO THE MINIMUM NECESSARY FOR CONSTRUCTION OPERATIONS.
3. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLAN AND ELSEWHERE AS ORDERED BY THE ENGINEER OR CITY.
4. ALL CATCH BASINS SHALL BE PROTECTED WITH A SILT SACKS, HAYBALE RING, SILT FENCE OR BLOCK AND STONE INLET PROTECTION THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
5. WHENEVER POSSIBLE, EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION. SEE "EROSION CONTROL NARRATIVE".
6. ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD AS ORDERED BY THE ENGINEER.
7. ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
8. SEDIMENT REMOVED SHALL BE DISPOSED OF OFF SITE OR IN A MANNER AS REQUIRED BY THE ENGINEER.
9. THE CONSTRUCTION CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF ALL CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PERIOD.
10. ALL DISTURBED AREAS TO BE LEFT EXPOSED FOR MORE THAN 30 DAYS SHALL BE PROTECTED WITH A TEMPORARY VEGETATIVE COVER. SEED THESE AREAS WITH PERENNIAL RYEGRASS AT THE RATE OF 40 LBS. PER ACRE (1 LB. PER 1,000 SQ. FT). APPLY SOIL AMENDMENTS AND MULCH AS REQUIRED TO ESTABLISH A UNIFORM STAND OF VEGETATION OVER ALL DISTURBED AREAS.
11. THE CONSTRUCTION CONTRACTOR SHALL UTILIZE APPROVED METHODS/MATERIALS FOR PREVENTING THE BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES ONTO ADJACENT PROPERTIES AND SITE AREAS.
12. THE CONSTRUCTION CONTRACTOR SHALL MAINTAIN A SUPPLY OF SILT FENCE/HAYBALES AND ANTI-TRACKING CRUSHED STONE ON SITE FOR EMERGENCY REPAIRS.
13. ALL DRAINAGE STRUCTURES SHALL BE PERIODICALLY INSPECTED WEEKLY BY THE CONSTRUCTION CONTRACTOR AND CLEANED TO PREVENT THE BUILD-UP OF SILT.
14. THE CONSTRUCTION CONTRACTOR SHALL CAREFULLY COORDINATE THE PLACEMENT OF EROSION CONTROL MEASURES WITH THE PHASING OF CONSTRUCTION.
15. KEEP ALL PAVED ROADWAYS CLEAN. SWEEP AND SCRAPE BEFORE FORECASTED STORMS.
16. TREAT ALL UNPAVED SURFACE WITH 4" MINIMUM OF TOPSOIL PRIOR TO FINAL STABILIZATION.
17. HAYBALE BARRIERS AND SILT FENCING SHALL BE INSTALLED ALONG THE TOE OF CRITICAL CUT AND FILL SLOPES.
18. THE CONTRACTOR SHALL NOTIFY THE CITY OF BRIDGEPORT'S ENVIRONMENTAL OFFICIAL PRIOR TO THE INSTALLATION OF EROSION CONTROLS, CUTTING OF TREES, OR ANY EXCAVATION.
19. ALL TRUCKS LEAVING THE SITE MUST BE COVERED.
20. SOME CONTROL MEASURES ARE PERMANENT. THESE STRUCTURES SHALL BE CLEANED AND REPLENISHED AT THE END OF CONSTRUCTION. LOCATIONS OF THE PERMANENT CONTROL STRUCTURES ARE SHOWN ON THE DRAINAGE PLANS.
23. ALL SEDIMENTATION AND EROSION CONTROLS SHALL BE CHECKED WEEKLY AND/OR AFTER EACH RAIN FALL EVENT. NECESSARY REPAIRS SHALL BE MADE WITHOUT DELAY.
24. PRIOR TO ANY FORECASTED RAINFALL, EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED AND REPAIRED AS NECESSARY.
25. AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, EROSION CONTROLS MAY BE REMOVED ONCE AUTHORIZATION TO DO SO HAS BEEN SECURED FROM THE CITY. DISTURBED AREAS SHALL BE SEEDED AND MULCHED.

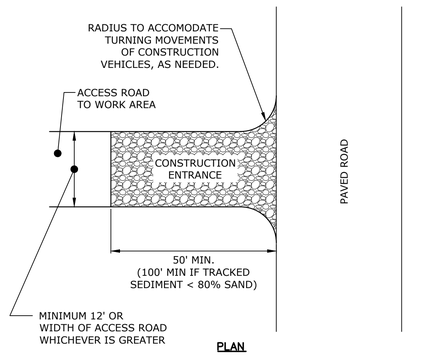
EROSION CONTROL NARRATIVE

THE STORMWATER MANAGEMENT MEASURES WILL ADDRESS THE STORMWATER QUALITY ONCE THE SITE HAS BEEN CONSTRUCTED AND STABILIZED. SEDIMENTATION AND EROSION CONTROL MEASURES WILL BE INSTALLED DURING CONSTRUCTION WHICH WILL MINIMIZE ADVERSE IMPACTS FROM CONSTRUCTION ACTIVITIES.

ALL SEDIMENTATION AND EROSION CONTROL MEASURES PROPOSED FOR THIS DEVELOPMENT HAVE BEEN DESIGNED IN ACCORDANCE WITH THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL" AS PUBLISHED BY THE CONNECTICUT COUNCIL ON SOIL EROSION AND WATER CONSERVATION. ADDITIONAL GUIDELINES HAVE ALSO BEEN FOLLOWED THAT ARE AVAILABLE FROM THE CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION AS RECOMMENDED FOR SEDIMENTATION CONTROL DURING CONSTRUCTION ACTIVITIES.

GENERAL

1. THE PROPOSED PROJECT IS ENTITLED "ELTON ROGERS PARK DAM RECONSTRUCTION" IN BRIDGEPORT, CONNECTICUT.
2. ESTIMATED:
   PROJECT START: SPRING 2020
   PROJECT COMPLETION: FALL 2020
3. EROSION CONTROL NARRATIVE REFERS TO DRAWINGS C4.00 THROUGH C4.30
4. THE SITE IS LOCATED AT ELTON ROGERS PARK IN BRIDGEPORT, CONNECTICUT.



CONSTRUCTION ENTRANCE
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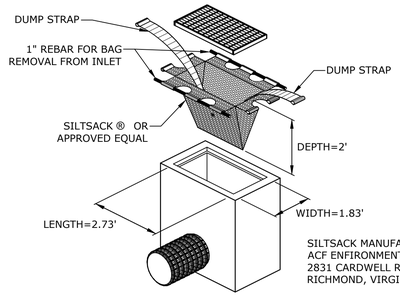
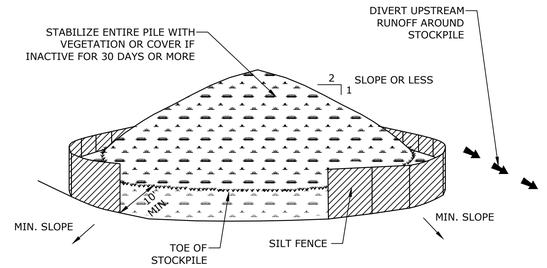


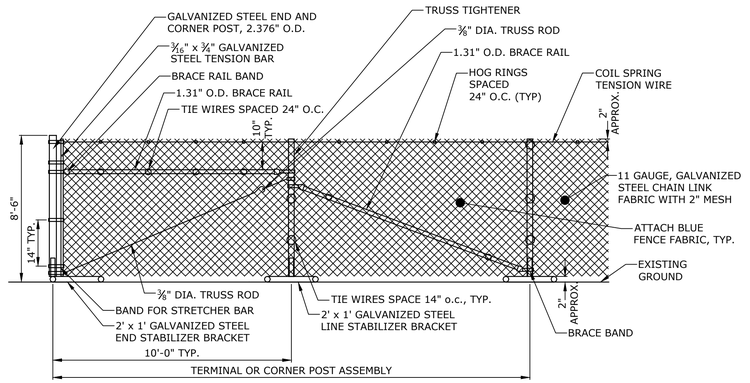
SILTSACK®
NO SCALE



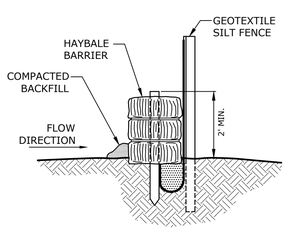
INSTALLATION NOTES:

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2H:1V.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR HAYBALES, THEN STABILIZED WITH VEGETATION OR COVERED.

SOIL STOCKPILING
NO SCALE

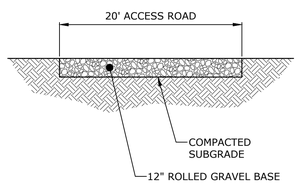


8' TEMPORARY CHAIN LINK CONSTRUCTION FENCE
NO SCALE

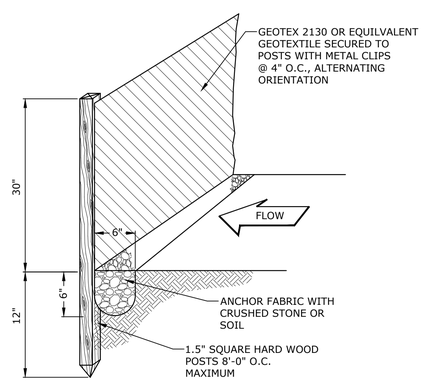


BACKFILL AND COMPACT THE EXCAVATED SOIL AS SHOWN ON THE UPHILL SIDE OF THE BARRIER TO PREVENT PIPING.

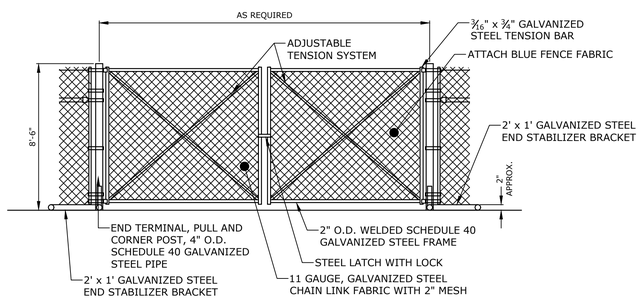
SILT FENCE AND HAYBALE
COMBINED BARRIER
NO SCALE



CONSTRUCTION
ACCESS ROAD
NO SCALE



SILT FENCE
NO SCALE



8' TEMPORARY CHAIN LINK CONSTRUCTION GATE
NO SCALE

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04/15/2025

Elton Rogers Park Dam Reconstruction

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CHECKED:		JAC
APPROVED:		RWC

SEDIMENT & EROSION CONTROL NOTES, NARRATIVE, AND DETAILS

SCALE: AS NOTED

C4.50

Last Saved: 4/9/2025
Plotted On: Apr 09, 2025 - 2:36pm By: AClark
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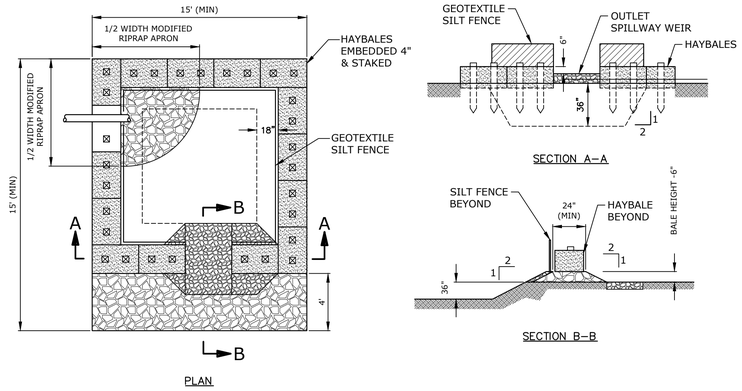


PLAN

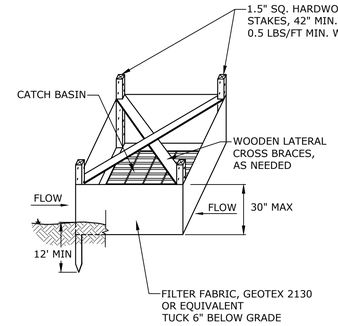
SECTION A–A

SECTION B–B

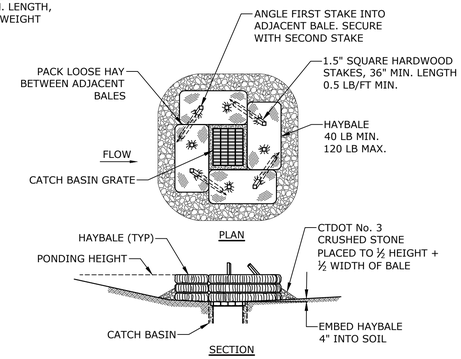
NOTES:

1. VOLUME OF SETTLING BASIN (IN CUBIC FEET) SHALL BE EQUAL TO THE PEAK PUMP DISCHARGE (IN GPM) MULTIPLIED BY 16.
2. LOCATE SETTLING BASIN SUCH THAT SURFACE WATER IS DIRECTED AROUND IT.
3. VOLUME IS MEASURED FROM CREST OF SPILLWAY.

PUMPING SETTLING BASIN INTERMEDIATE VOLUME
NO SCALE

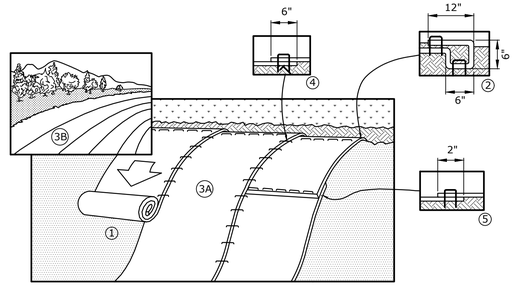


SILT FENCE INSTALLATION AT CATCH BASIN AT LOW POINTS



HAYBALE FILTER INSTALLATION AT CATCH BASIN AT LOW POINTS

CATCH BASIN EROSION CONTROL
NO SCALE

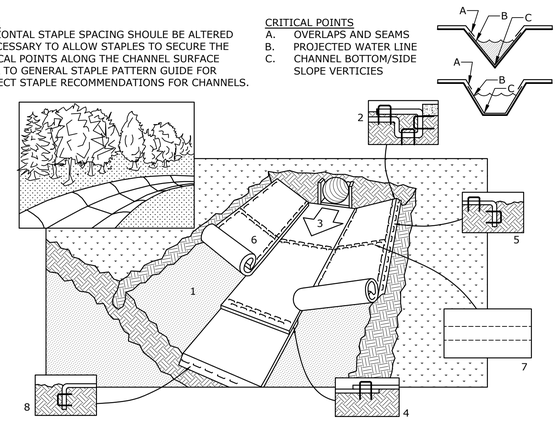


1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE, 36" OVER THE GRADE BREAK, BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UPSLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES SPACED 12" APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS DOWN THE SLOPE. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SOIL SURFACE BY PLACING STAPLES IN APPROPRIATE LOCATIONS AS SHOWN ON THE STAPLE PATTERN GUIDE.
4. STAPLE LENGTHS SHALL BE A MINIMUM OF 8 INCHES.
5. EROSION CONTROL BLANKET TO BE NORTH AMERICAN GREEN SC150BN

EROSION CONTROL BLANKET
FOR SLOPE PROTECTION
NO SCALE

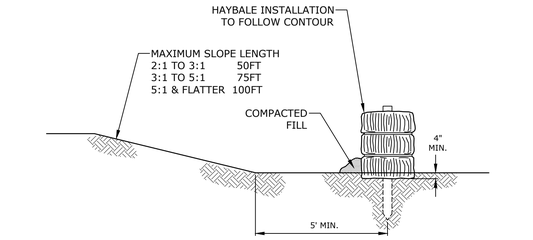
NOTE:
HORIZONTAL STAPLE SPACING SHOULE BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE RECOMMENDATIONS FOR CHANNELS.

CRITICAL POINTS
A. OVERLAPS AND SEAMS
B. PROJECTED WATER LINE
C. CHANNEL BOTTOM/SIDE SLOPE VERTICIES

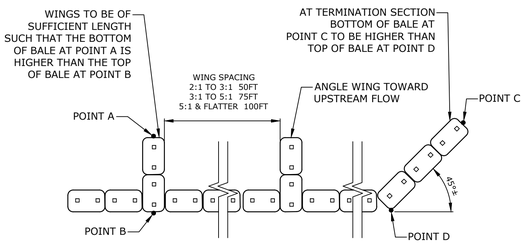


1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW ON BOTTOM OF CHANNEL.
4. PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH A 6" OVERLAP. USE A DOUBLE ROW OF STAGGERED STAPLES 4" APART TO SECURE BLANKETS.
5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
6. BLANKETS ON SIDE SLOPES MUST BE OVERLAPPED 4" OVER THE CENTER BLANKET AND STAPLED (2" FOR C350 MATTING).
7. IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A ROW OF STAPLES 4' APART OVER THE ENTIRE WIDTH OF THE CHANNEL. PLACE A SECOND ROW 4" BELOW THE FIRST ROW IN A STAGGERED PATTERN.
8. TERMINAL END OF THE BLANKETS MUST BE ANCHORED IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

EROSION CONTROL BLANKET INSTALLATION
NO SCALE



PLACEMENT AT TOE OF SLOPE



WING AND TERMINAL SECTIONS

HAYBALE BARRIER
NO SCALE

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SEDIMENT & EROSION CONTROL DETAILS

SCALE: AS NOTED

C4.51

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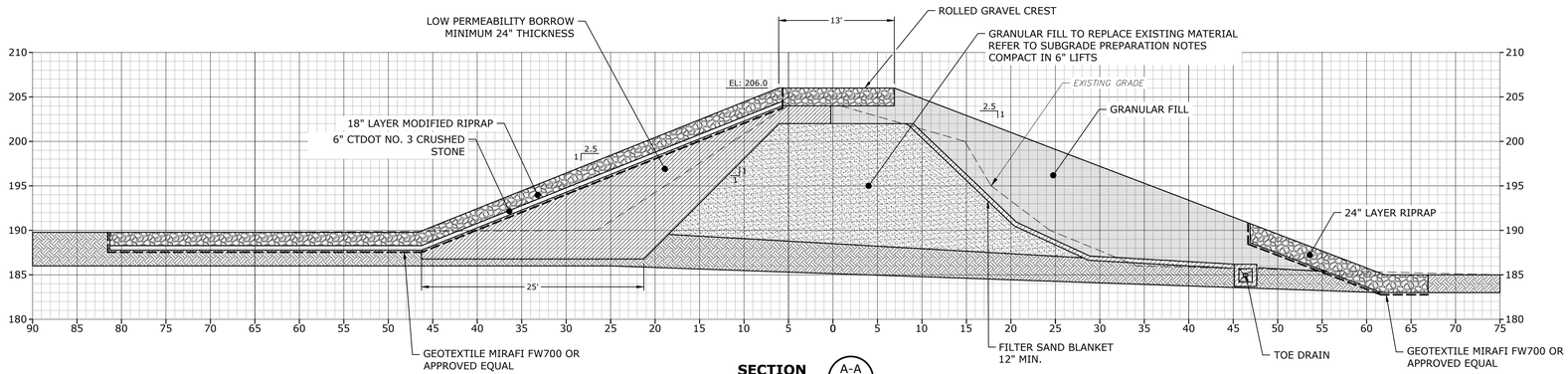
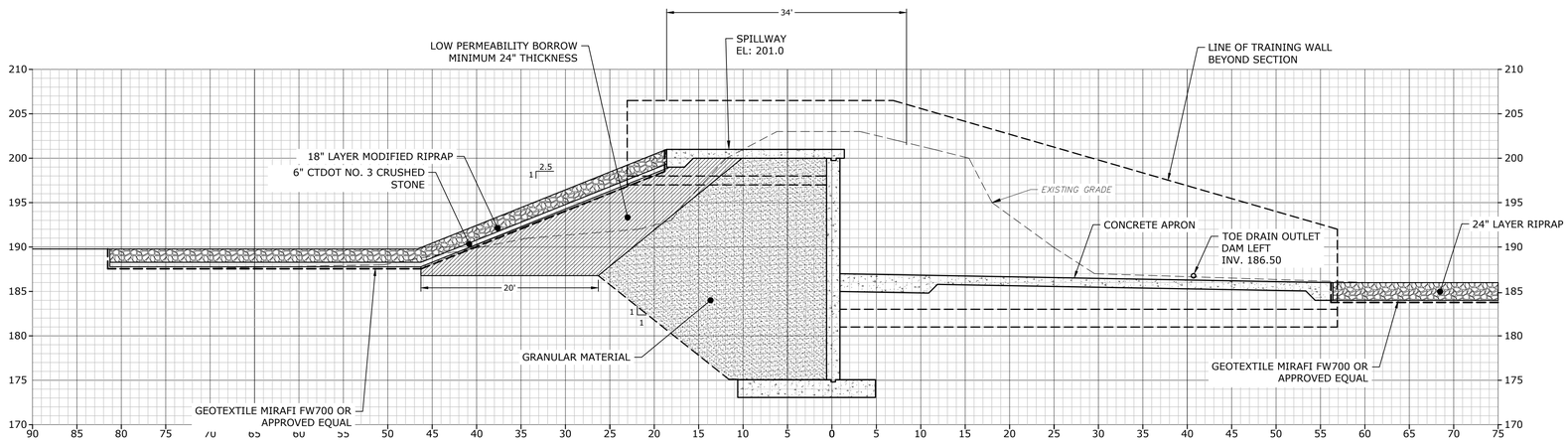
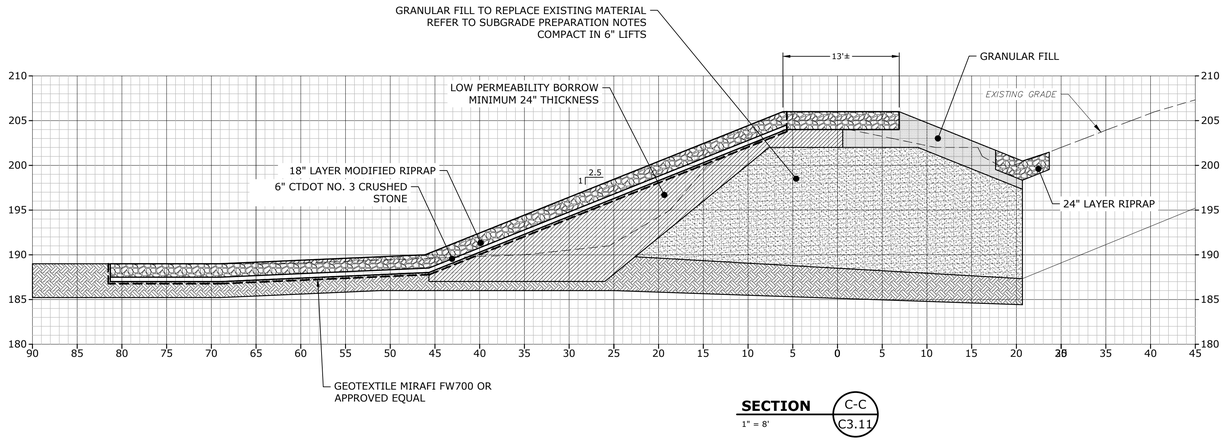


SECTION A-A
1" = 8' C3.11



SECTION B-B
1" = 8' C3.11



SECTION C-C
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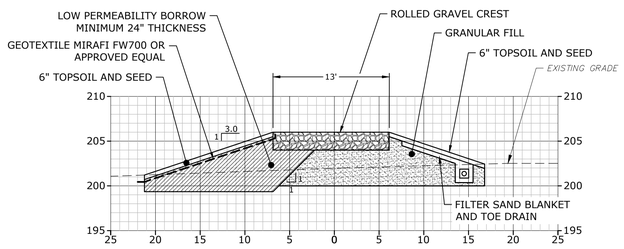
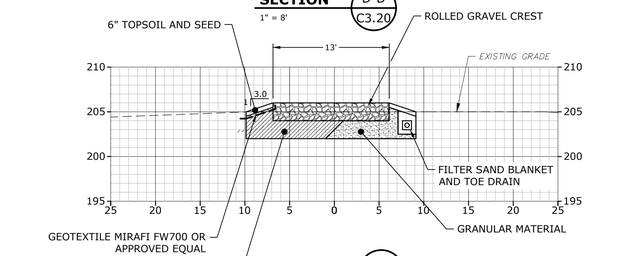


SECTION D-D
1" = 8' C3.20



SECTION E-E
1" = 8' C3.20

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Shelton, CT 06484
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JOSEPH CANAS
20873
LICENSED
PROFESSIONAL ENGINEER
04/15/2025

Elton Rogers Park Dam Reconstruction

City of Bridgeport

Bridgeport, Connecticut

September 30, 2018

MARK	DATE	DESCRIPTION
1	6/26/24	RESPONSE TO COMMENTS

PROJECT NO:	B0694-002
FILE:	B0694-C-500-SECT.dwg
DRAWN BY:	
CHECKED:	JAC
APPROVED:	RWC

CROSS-SECTIONS

SCALE: 1" = 8'

C5.00

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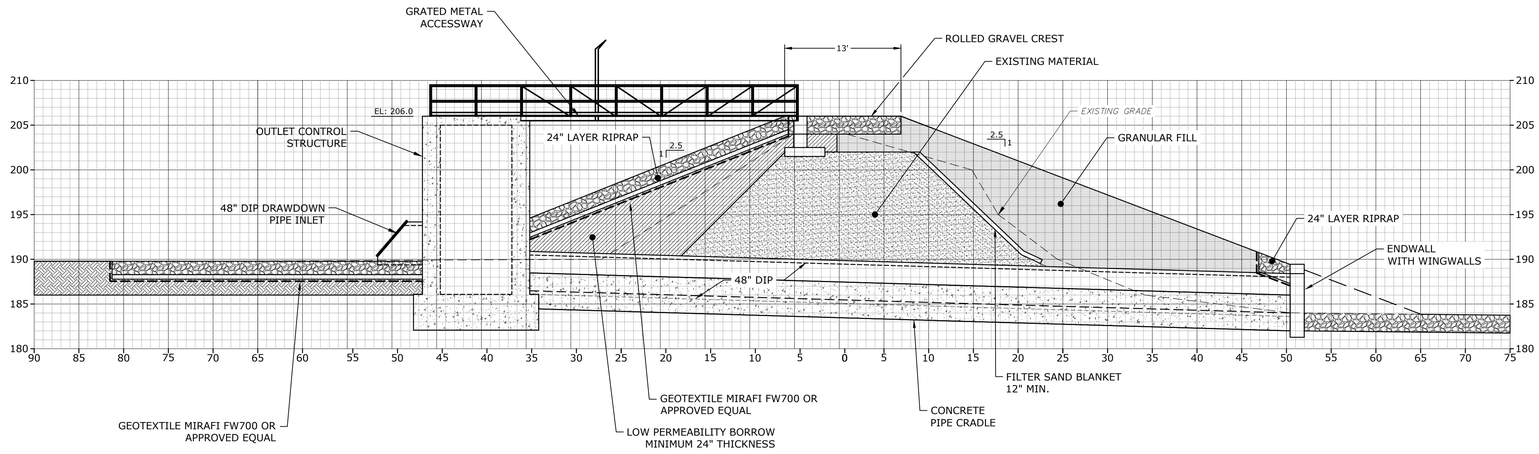

SECTION D
1" = 8' C3.11

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DRAWN BY:	
CHECKED:	JAC
APPROVED:	RWC

CROSS-SECTIONS

SCALE: 1" = 8'

C5.10

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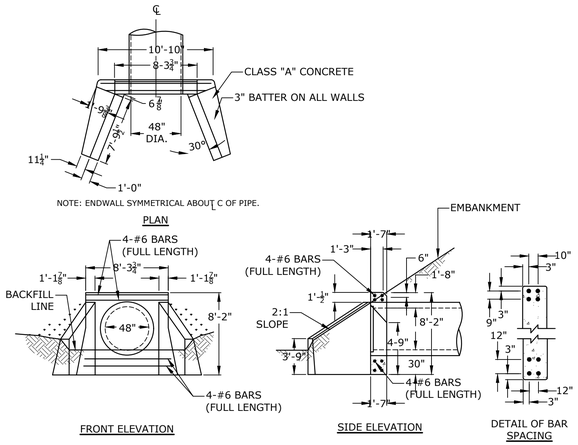
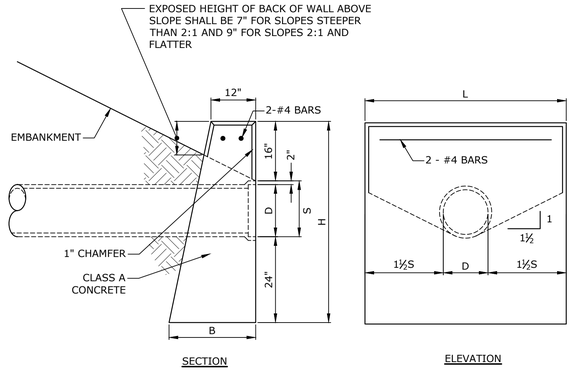


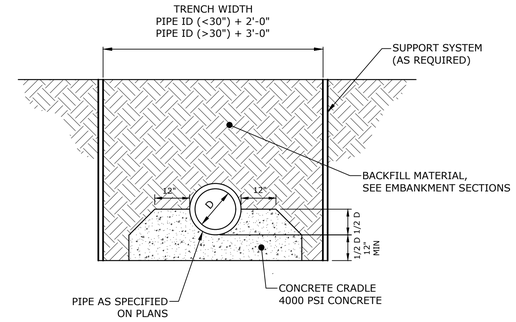
WING TYPE ENDWALLS - EW-02
NO SCALE



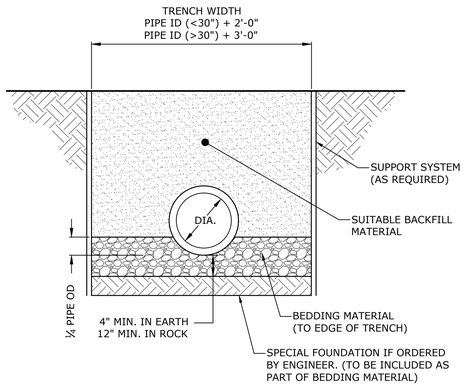
H=TOTAL HEIGHT OF ENDWALL
B=WIDTH OF BASE
D=INSIDE DIAMETER OF PIPE
S=HEIGHT OF SLOPE ABOVE PIPE INVERT AT FACE OF WALL (D+2)
L=LENGTH OF WALL (3S+D)

D	B	H	L	S	BATTER
12"	1'-11¼"	4'-6"	4'-6"	1'-2"	2½"
15"	1'-11⅞"	4'-9"	5'-6"	1'-5"	2½"
18"	2'-0½"	5'-0"	6'-6"	1'-8"	2½"
24"	2'-1¾"	5'-6"	8'-6"	2'-2"	2½"
30"	2'-3"	6'-0"	10'-6"	2'-8"	2½"
36"	2'-7⅛"	6'-6"	12'-6"	3'-2"	3"
42"	2'-9"	7'-0"	14'-6"	3'-8"	3"
48"	2'-10½"	7'-6"	16'-6"	4'-2"	3"

CONCRETE ENDWALLS AND HEADWALLS EW-01 & HW-01
NO SCALE



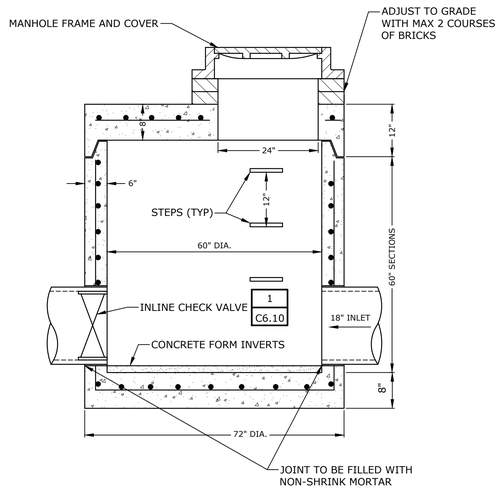
CIRCULAR PIPE THROUGH EMBANKMENTS
NO SCALE



NOTE:

1. ONLY FOR USE BEYOND DAM OR DIKE EMBANKMENT LIMITS

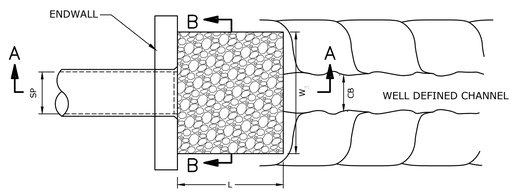
CIRCULAR R.C.P. TRENCH BEDDING (PIPE DIAMETERS < 48")
NO SCALE



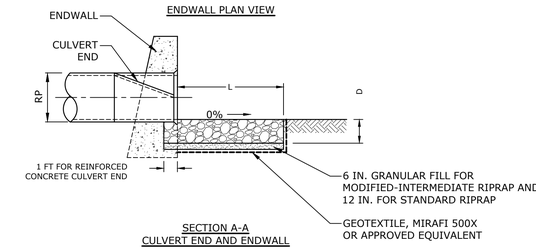
NOTES:

1. JOINT SEALANT SHALL BE PREFORMED BUTYL RUBBER MASTIC TYPE SEAL COMPLYING WITH AASHTO M198.
2. REINFORCING ASTM A185, 0.17 IN^2/VERT. FT.
3. 5,000 PSI CONCRETE @ 28 DAYS.
4. MANHOLE STEP TO BE USED MEETS OSHA REGULATION 20 CFR 1910.27 AND SECTION 11 ASTM SPECIFICATION C-473.
5. METHOD OF MANUFACTURE: WET CAST.
6. BASE SECTION MONOLITHIC.
7. KNOCKOUTS FOR PIPES 4" MIN. FROM TOP AND BOTTOM OF SECTION.

60" DIA. FLAT TOP MANHOLE
NO SCALE

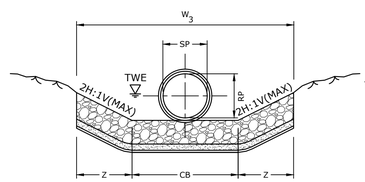


ENDWALL PLAN VIEW



SECTION A-A
CULVERT END AND ENDWALL

Z	CHANNEL SIDE SLOPE
2	2H : 1V
3	3H : 1V
4	4H : 1V
5	5H : 1V
6	6H : 1V



SECTION B-B
CULVERT END AND ENDWALL

CB= CHANNEL BOTTOM
TWE= TAILWATER ELEVATION
SP= { MAX. INSIDE PIPE SPAN (NON-CIRCULAR SECTIONS) / INSIDE PIPE DIAMETER (CIRCULAR SECTIONS)
RP= { MAX. INSIDE PIPE RISE (NON-CIRCULAR SECTIONS) / INSIDE PIPE DIAMETER (CIRCULAR SECTIONS)
LA= LENGTH OF RIPRAP APRON MEASURED FROM THE END OF CULVERT END SECTION OR FACE OF ENDWALL
D= { 12" IN. MODIFIED RIPRAP / 18" IN. INTERMEDIATE RIPRAP / 36" IN. STANDARD RIPRAP
W_3= USE WHICHEVER IS GREATER: { 3S / 2 (Z) (TWE + 0.3 M) + CP / 2 (Z) (0.7 RP) + CB

RIPRAP APRON AT EW-01
NO SCALE

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FILE:	B0694-C-600-DETL.dwg
DRAWN BY:	MDS
CHECKED:	JAC
APPROVED:	RWC

SITE DETAILS

SCALE: AS NOTED

C6.00

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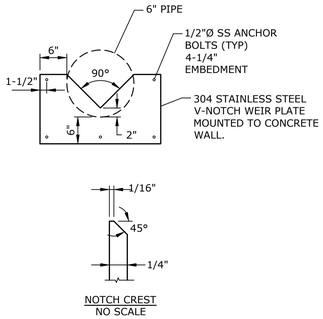
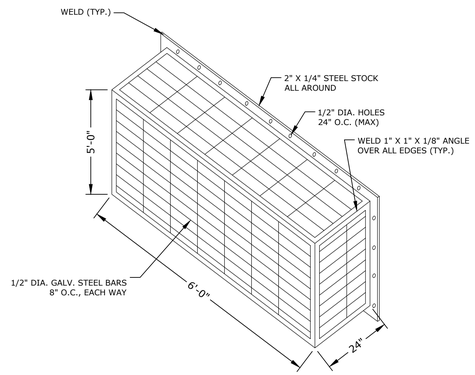
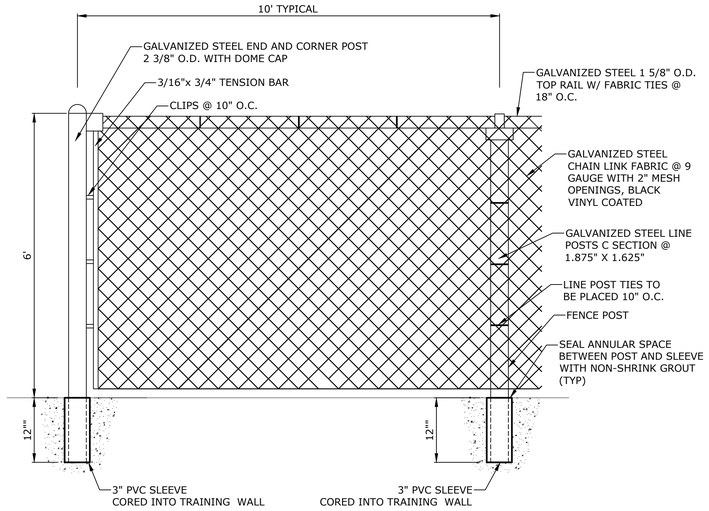


NOTCH CREST
NO SCALE

TOE DRAIN WEIR PLATE
NO SCALE



SECURITY SCREEN AT ENDWALL EW-02
NO SCALE



VINYL-COATED MESH 6' CHAIN LINK FENCE
NO SCALE

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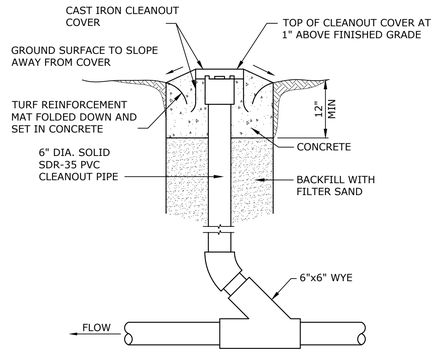
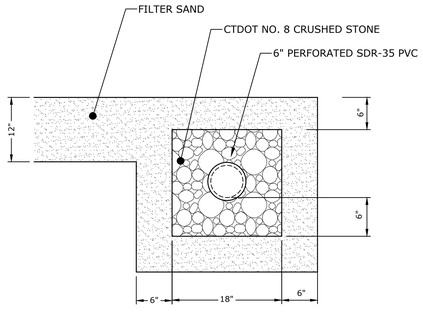
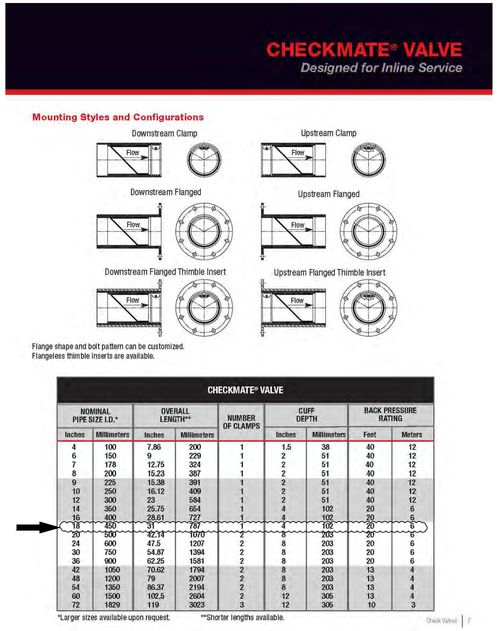


TOE DRAIN CLEANOUT
NO SCALE



TOE DRAIN
NO SCALE



CHECKMATE® VALVE								
NOMINAL PIPE SIZE I.D.*		OVERALL LENGTH**		NUMBER OF CLAMPS	CUFF DEPTH		BACK PRESSURE RATING	
Inches	Millimeters	Inches	Millimeters		Inches	Millimeters	Feet	Meters
4	100	7.86	200	1	1.5	38	40	12
6	150	9	229	1	2	51	40	12
7	178	12.75	324	1	2	51	40	12
8	200	15.23	387	1	2	51	40	12
9	225	15.38	391	1	2	51	40	12
10	250	16.12	409	1	2	51	40	12
12	300	23	584	1	2	51	40	12
14	350	25.75	654	1	4	102	20	6
16	400	28.61	727	1	4	102	20	6
18	450	31	787	1	4	102	20	6
20	500	42.14	1070	2	8	203	20	6
24	600	47.5	1207	2	8	203	20	6
30	750	54.87	1394	2	8	203	20	6
36	900	62.25	1581	2	8	203	20	6
42	1050	70.62	1794	2	8	203	13	4
48	1200	79	2007	2	8	203	13	4
54	1350	86.37	2194	2	8	203	13	4
60	1500	102.5	2604	2	12	305	13	4
72	1829	119	3023	3	12	305	10	3

*Larger sizes available upon request. **Shorter lengths available.

Check Valves | 7

DETAIL 1
C6.00

Elton Rogers Park Dam Reconstruction

City of Bridgeport

Bridgeport, Connecticut

September 30, 2018

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DRAWN BY:	
CHECKED:	JAC
APPROVED:	RWC

SITE DETAILS

SCALE: AS NOTED

C6.10

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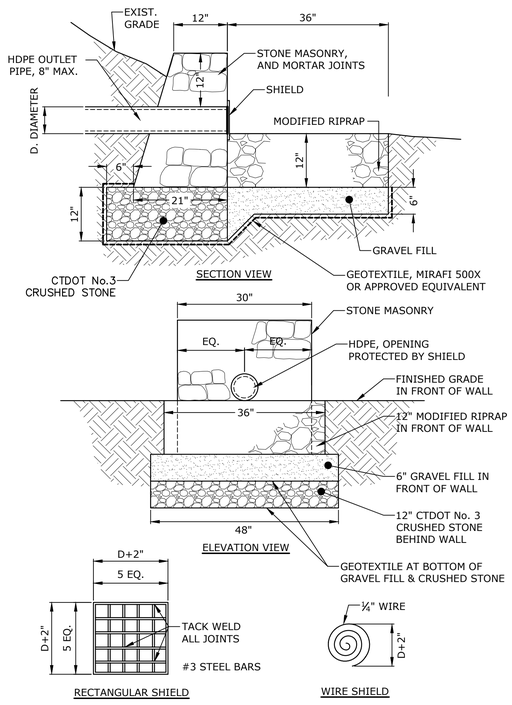
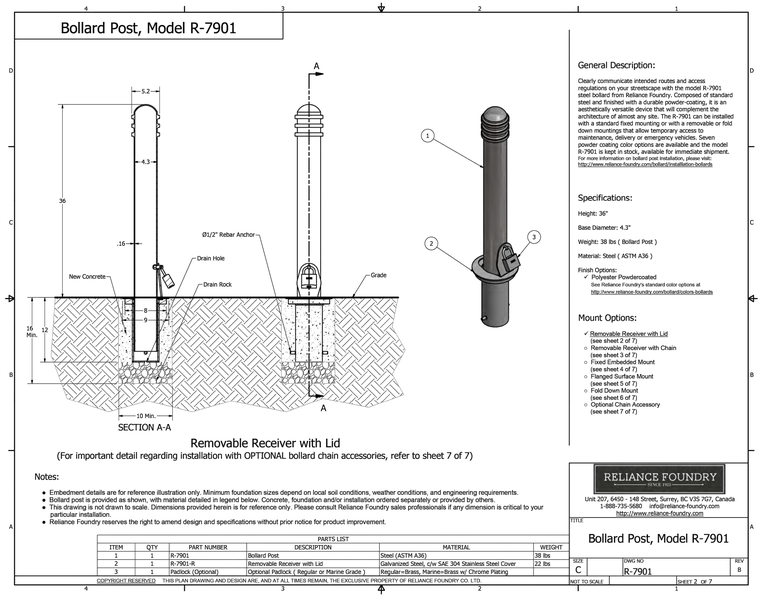
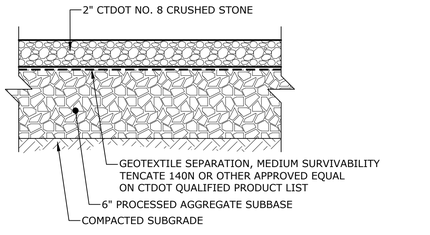


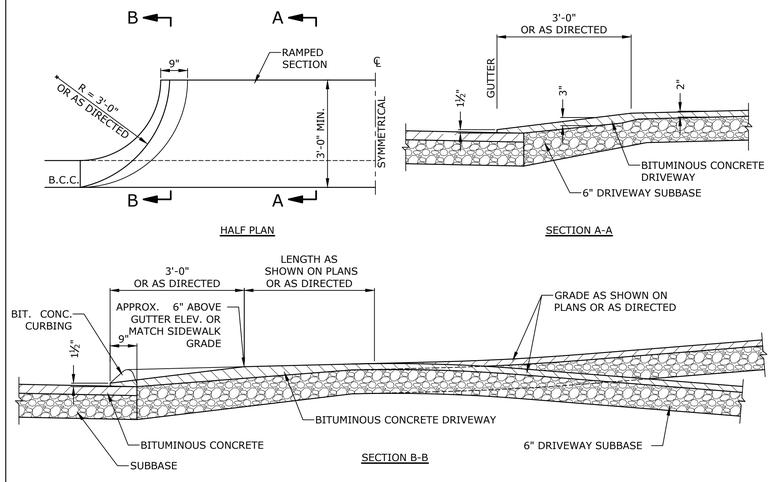
STONE AND MORTAR
END SECTION
NO SCALE



REMOVABLE BOLLARD DETAIL
NO SCALE



CRUSHED STONE PARKING AREA
NO SCALE



BITUMINOUS CONCRETE DRIVEWAY RAMP
NO SCALE

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SITE DETAILS

SCALE: AS NOTED

C6.20

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N

TOWN OF TRUMBULL
CITY OF BRIDGEPORT

OSCHNER PLACE

OLD TOWN ROAD

OLD TOWN ROAD

LINDA DRIVE

DEXTER DRIVE

RIDGEBROOK DRIVE

SEQUOIA ROAD

NORTHEAST DIKE

WETLAND IMPACTS
NONE

IMPOUNDMENT ENLARGEMENT

WETLAND IMPACTS

PERMANENT:	0 S.F	0.0	ACRE
TEMPORARY:	8,111 S.F.	0.186	ACRE
TOTAL:	8,111 S.F.	0.186	ACRE

(SEE DRAWING C7.12)

EXISTING OVERHEAD
ELECTRIC TRANSMISSION LINE

FRENCHTOWN ROAD

WEDGEWOOD PLACE

MAIN STREET

KAECHELE PLACE

HILLVIEW STREET

ACCESS ROAD

TEMPORARY ACCESS

WETLAND IMPACTS
NONE

STAGING AREA
WETLAND IMPACTS
NONE

(SEE DRAWING C7.11)

OLIVER ST.

WATERCOURSE
IMPACTED 85 L.F.

DAM UPSTREAM

WETLAND IMPACTS

PERMANENT:	12,132 S.F	0.279	ACRE
TEMPORARY:	4,896 S.F.	0.112	ACRE
TOTAL:	17,028 S.F.	0.391	ACRE

DAM DOWNSTREAM

WETLAND IMPACTS

PERMANENT:	7,702 S.F	0.177	ACRE
TEMPORARY:	4,183 S.F.	0.096	ACRE
TOTAL:	11,885 S.F.	0.273	ACRE

(SEE DRAWING C7.11)

STATE OF CONNECTICUT
JOSEPH CAHAE
LICENSED PROFESSIONAL ENGINEER
04/15/2025

SCALE IN FEET
0 100' 200'

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Bridgeport, Connecticut

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DRAWN BY: MDS
CHECKED: JAC
APPROVED: RWC

WETLAND IMPACTS

SCALE: 1" = 100'

C7.00

Last Saved: 2/4/2025
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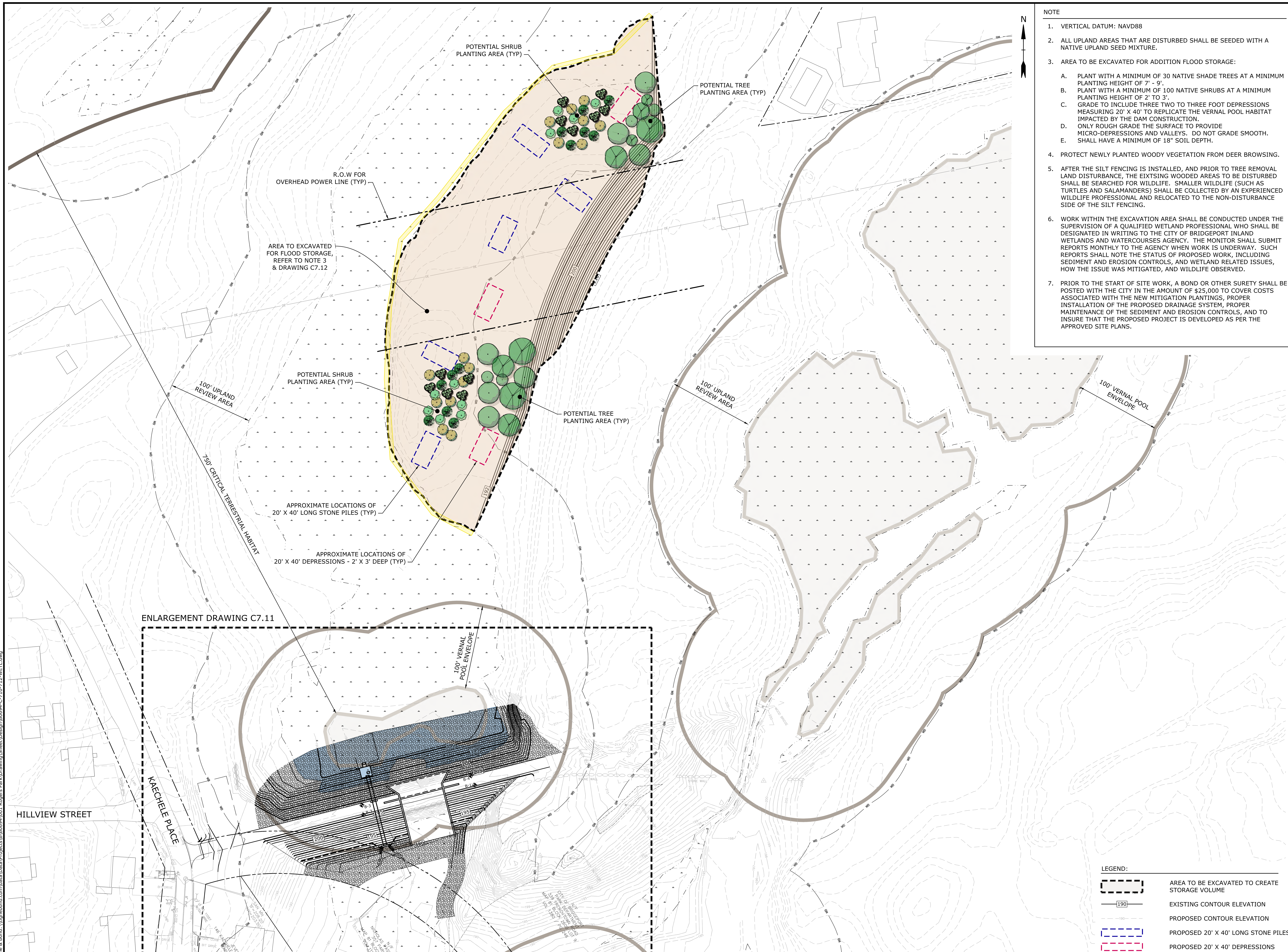

NOTE

1. VERTICAL DATUM: NAVD88
2. ALL UPLAND AREAS THAT ARE DISTURBED SHALL BE SEEDED WITH A NATIVE UPLAND SEED MIXTURE.
3. AREA TO BE EXCAVATED FOR ADDITION FLOOD STORAGE:
   A. PLANT WITH A MINIMUM OF 30 NATIVE SHADE TREES AT A MINIMUM PLANTING HEIGHT OF 7' - 9'.
   B. PLANT WITH A MINIMUM OF 100 NATIVE SHRUBS AT A MINIMUM PLANTING HEIGHT OF 2' TO 3'.
   C. GRADE TO INCLUDE THREE TWO TO THREE FOOT DEPRESSIONS MEASURING 20' X 40' TO REPLICATE THE VERNAL POOL HABITAT IMPACTED BY THE DAM CONSTRUCTION.
   D. ONLY ROUGH GRADE THE SURFACE TO PROVIDE MICRO-DEPRESSIONS AND VALLEYS. DO NOT GRADE SMOOTH.
   E. SHALL HAVE A MINIMUM OF 18" SOIL DEPTH.
4. PROTECT NEWLY PLANTED WOODY VEGETATION FROM DEER BROWSING.
5. AFTER THE SILT FENCING IS INSTALLED, AND PRIOR TO TREE REMOVAL LAND DISTURBANCE, THE EIXTSING WOODED AREAS TO BE DISTURBED SHALL BE SEARCHED FOR WILDLIFE. SMALLER WILDLIFE (SUCH AS TURTLES AND SALAMANDERS) SHALL BE COLLECTED BY AN EXPERIENCED WILDLIFE PROFESSIONAL AND RELOCATED TO THE NON-DISTURBANCE SIDE OF THE SILT FENCING.
6. WORK WITHIN THE EXCAVATION AREA SHALL BE CONDUCTED UNDER THE SUPERVISION OF A QUALIFIED WETLAND PROFESSIONAL WHO SHALL BE DESIGNATED IN WRITING TO THE CITY OF BRIDGEPORT INLAND WETLANDS AND WATERCOURSES AGENCY. THE MONITOR SHALL SUBMIT REPORTS MONTHLY TO THE AGENCY WHEN WORK IS UNDERWAY. SUCH REPORTS SHALL NOTE THE STATUS OF PROPOSED WORK, INCLUDING SEDIMENT AND EROSION CONTROLS, AND WETLAND RELATED ISSUES, HOW THE ISSUE WAS MITIGATED, AND WILDLIFE OBSERVED.
7. PRIOR TO THE START OF SITE WORK, A BOND OR OTHER SURETY SHALL BE POSTED WITH THE CITY IN THE AMOUNT OF $25,000 TO COVER COSTS ASSOCIATED WITH THE NEW MITIGATION PLANTINGS, PROPER INSTALLATION OF THE PROPOSED DRAINAGE SYSTEM, PROPER MAINTENANCE OF THE SEDIMENT AND EROSION CONTROLS, AND TO INSURE THAT THE PROPOSED PROJECT IS DEVELOPED AS PER THE APPROVED SITE PLANS.

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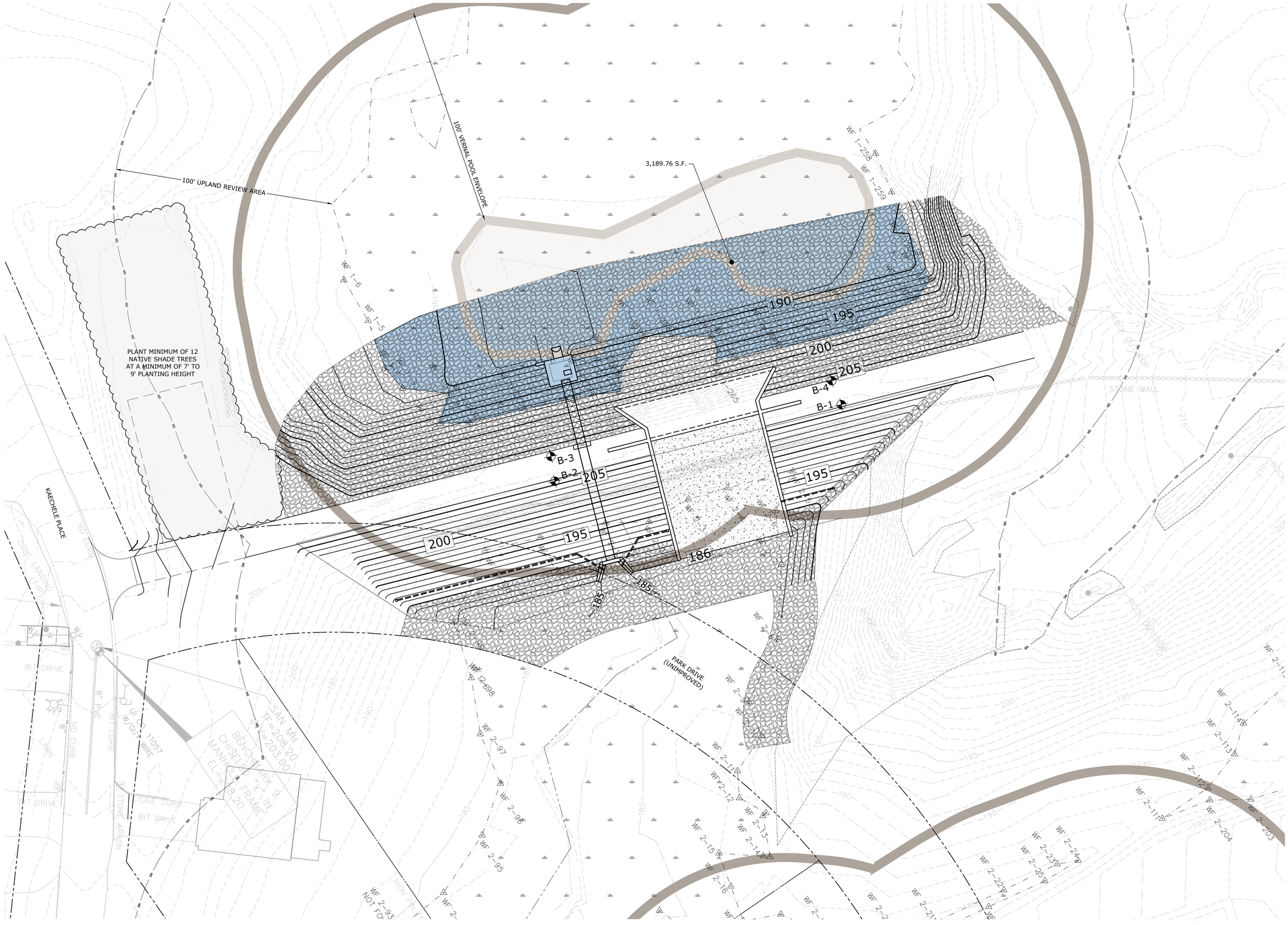
DRAWN BY:	MDS
CHECKED:	JAC
APPROVED:	RWC

WETLAND PLANTING PLAN OVERVIEW

SCALE: 1" = 50'

C7.10



NOTE
1. DATUM: NAVD88

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STATE OF CONNECTICUT
JOSEPH CAHAS
SCALE: 1" = 20' FEET
0 20 40'
PROFESSIONAL ENGINEER
04/15/2025

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WETLAND PLANTING ENLARGEMENT PLAN - DAM AREA

SCALE: 1" = 20'

C7.11

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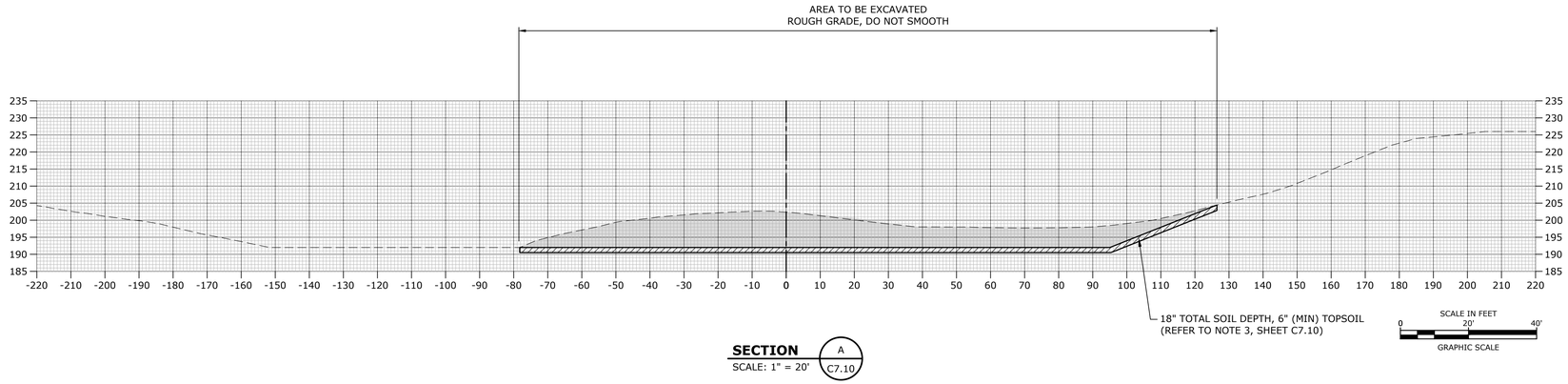
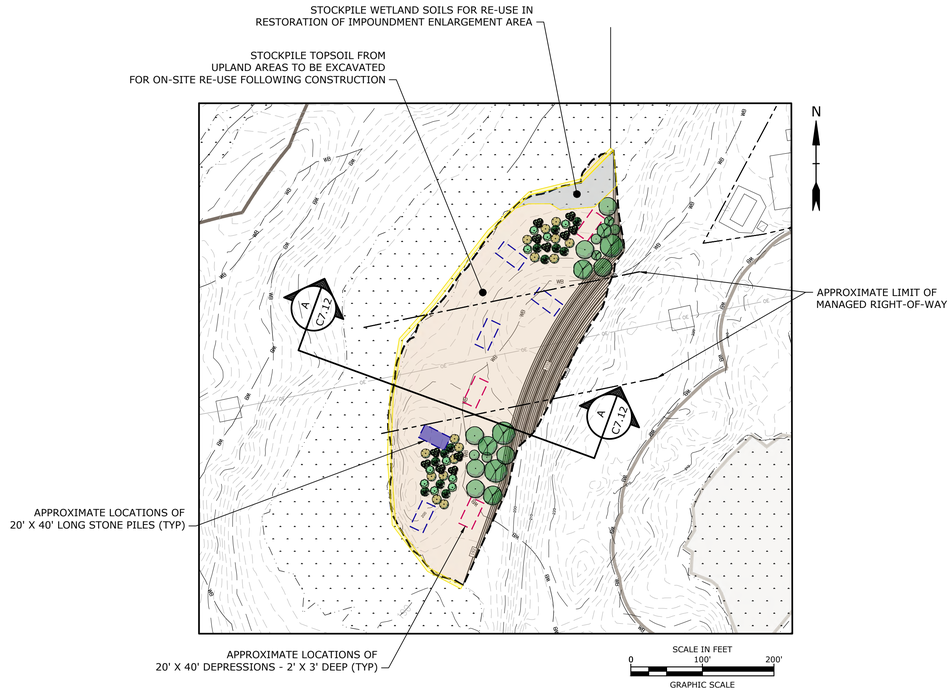


SECTION A / C7.10
SCALE: 1" = 20'



IMPOUNDMENT AREA ENLARGEMNT
SCALE: 1" = 100'

PLANTING PLAN NOTES:

1. THE FOLLOWING SPECIES ARE RECOMMENDED FOR THE TREE AND SHRUB PLANTING IN THE IMPOUNDMENT ENLARGEMENT AREA BASED ON PLANTS FOUND AT THE SITE. SELECTION FROM THIS LIST TO BE MADE BASED ON STOCK AVAILIBLITY WITH A MINIMUM OF 3 TREE SPECIES AND 5 SHRUB SPECIES. THIRTY TREES AND 100 SHRUBS WILL BE PLANTED IN THE EXPANSION AREA.
2. TREE SPECIES SHOULD NOT BE PLANTED WITHIN THE MANAGED POWERLINE ROW.
3. FINAL PLANTING LOCATIONS TO BE MADE IN THE FIELD BY THE SITE WETLAND SCIENTIST. PLANTINGS TO BE MADE IN GROUPINGS BASED ON THE RESULTING MICROTOPOGRAPHY OF THE ENLARGEMENT AREA.
4. SEED THE IMPOUNDMENT ENLARGEMENT AREA WITH NEW ENGLAND WETMIX (NEW ENGLAND WETLAND PLANTS WWW.NEWP.COM) OR EQUIVALENT.

IMPOUNDMENT ENLARGEMENT AREA RESTORATION NOTES:

MATERIAL TO BE STOCKPILED FROM THE ENLARGEMENT AREA FOR REUSE IN RESTORATION

- TOPSOIL AND WETLAND SOIL
- LARGE SURFACE STONES
- LARGE WOODY DEBRIS (FROM CUT TREES)

SPECIES LIST

TREES:

COMMON NAME	SCIENTIFIC NAME
Red Maple	*Acer rubrum*
Yellow birch	*Betula alleghaniensis*
Grey birch	*Betula populifolia*
Swamp White Oak	*Quercus bicolor*
Black Gum	*Nyssa sylvatica*
Tulip Tree	*Liriodendron tulipifera*

SHRUBS:

COMMON NAME	SCIENTIFIC NAME
Sweetpepper bush	*Clethra alnifolia*
Speckled alder	*Alnus incana*
Spicebush	*Lindera benzoin*
Highbush blueberry	*Vaccinium corymbosum*
Winterberry	*Ilex verticillata*
Silky dogwood	*Cornus amomum*
Arrowwood	*Viburnum dentatum*
Witchhazel	*Hamamelis virginiana*
Willow	*Salix bebbiana*
Buttonbush	*Cephalanthus occidentalis*

SEED MIX (New England Wetmix)

HERBACEOUS

SCIENTIFIC NAME	COMMON NAME
Carex vulpinoidea	Fox Sedge
Carex scoparia	Blunt Broom Sedge
Carex lurida	Lurid Sedge
Carex lupulina	Hop Sedge
Poa palustris	Fowl Bluegrass
Bidens frondosa	Beggar Ticks
Scirpus atrovirens	Green Bulrush
Asclepias incarnata	Swamp Milkweed
Carex crinita	Fringed Sedge
Vernonia noveboracensis	New York Ironweed
Juncus effusus	Soft Rush
Symphyotrichum lateriflorum	Starved/Calico Aster
Iris versicolor	Blue Flag Iris
Glyceria grandis	American Mannagrass
Mimulus ringens	Square Stemmed Monkeyflower
Eutrochium maculatum	Spotted Joe Pye Weed

NOTE
1. DATUM: NAVD88

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04/15/2025

Elton Rogers Park Dam Reconstruction

City of Bridgeport

Bridgeport, Connecticut

September 30, 2018

MARK	DATE	DESCRIPTION
1	6/26/24	RESPONSE TO COMMENTS

PROJECT NO:	B0694-002
FILE:	B0694-C-710-712-WETL.dwg
DRAWN BY:	MDS
CHECKED:	JAC
APPROVED:	RWC

WETLAND PLANTINGS ENLARGEMENT PLAN - STORAGE EXPANSION AREA

SCALE: AS NOTED

C7.12

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GENERAL

G1 STRUCTURAL WORK SHALL CONFORM TO CONNECTICUT STATE BUILDING CODE, LATEST EDITION, INCLUDING MOST RECENT ADDENDA, AND CONTRACT DOCUMENTS. IN CASE OF CONFLICT, MOST STRINGENT REQUIREMENT SHALL GOVERN.

G2 CONTRACTOR SHALL VERIFY AND COORDINATE DIMENSIONS RELATED TO THIS PROJECT.

G3 CONTRACTOR SHALL EXAMINE DRAWINGS FOR ALL TRADES FOR THE VERIFICATION OF LOCATION AND DIMENSIONS OF ALL CHASES, INSERTS, OPENINGS, SLEEVES AND OTHER PROJECT REQUIREMENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

G4 PROVIDE CAULKING AT ALL CONTROL JOINTS. PROVIDE COMPRESSIBLE FILLER AND SEALANT AT ALL EXPANSION AND ISOLATION JOINTS.

G5 PROVIDE PREMOLDED JOINT FILLER WHERE SLABS ON GRADE ABUT WALLS AND COLUMNS.

REINFORCEMENT

R1 DETAILING, FABRICATION, AND ERECTION OF REINFORCEMENT, UNLESS OTHERWISE NOTED, SHALL CONFORM TO ACI "BUIDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318)" AND ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315)", LATEST EDITION.

R2 STEEL REINFORCEMENT UNLESS OTHERWISE SHOWN SHALL CONFORM TO ASTM A615 GRADE 60 MINIMUM (YIELD STRENGTH - 60,000 PSI).

R3 PROVIDE AND SCHEDULE ON SHOP DRAWINGS, ALL NECESSARY ACCESSORIES TO HOLD REINFORCEMENT SECURELY IN POSITION: MINIMUM REQUIREMENTS SHALL BE: HIGH CHAIRS, 4'-0" ON CENTER, #5 SUPPORT BAR FOR HIGH CHAIRS, SLAB BOLSTERS, 3'-6" ON CENTER, ALL WIRE CHAIRS AND BOLSTERS TO BE PLASTIC TIPPED.

R4 THE CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT SHALL BE AS FOLLOWS, UNLESS OTHERWISE SHOWN:

(A) CAST-IN-PLACE CONCRETE.

	EXPOSED TO EARTH, WATER, OR WEATHER	NOT EXPOSED TO EARTH, WATER, OR WEATHER
(a) SLAB ON GRADE	3 INCHES	2 INCHES
(b) BEAM STIRRUPS	2 INCHES	1 1/2 INCHES
(c) BEAM MAIN REBARS	2 1/2 INCHES	2 INCHES
(d) SLAB'S #3 TO #5 INCL'S	1 1/2 INCHES	3/4 INCHES
(e) SLABS #6 TO #11 INCL'S	2 INCHES	3/4 INCHES
(f) WALL #11 BAR OR SMALLER	2 INCHES	3/4 INCHES

(g) Note: MAXIMUM DEVIATION FROM THESE REQUIREMENTS SHALL BE +1/4" FOR SECTIONS TEN (10) INCHES OR LESS, AND +1/2" FOR SECTIONS OVER TEN (10) INCHES THICK.

(B) IN NO CASE SHALL THE COVER BE LESS THAN THE BAR DIAMETER.

R5 WHERE CONTINUOUS BARS ARE CALLED FOR THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS AND LAPPED AT NECESSARY SPLICES OR HOOKED AT DISCONTINUOUS ENDS.

R6 WHERE REINFORCEMENT IS NOT SHOWN ON DRAWINGS, PROVIDE REINFORCEMENT IN ACCORDANCE WITH APPLICABLE TYPICAL DETAILS OR SIMILAR TO THAT SHOWN FOR MOST NEARLY SIMILAR SITUATIONS, AS DETERMINED BY THE ENGINEER. IN NO CASE SHALL REINFORCEMENT BE LESS THAN MINIMUM REINFORCEMENT PERMITTED BY THE APPLICABLE CODES, NOR LESS THAN THE FOLLOWING:

(A) STRUCTURAL SLABS-.0028 GROSS CONCRETE AREA IN EACH DIRECTION
(B) STRUCTURAL WALLS-.0028 GROSS CONCRETE AREA IN EACH DIRECTION

R7 WHERE REINFORCEMENT IS CALLED FOR IN SECTION, REINFORCEMENT IS CONSIDERED TYPICAL WHEREVER THE SECTION APPLIES.

R8 REINFORCEMENT SHALL BE CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

R9 REINFORCEMENT COUPLER SPLICES SHALL BE MECHANICAL DEVICES CAPABLE OF TRANSMITTING THE ULTIMATE TENSILE AND COMPRESSIVE STRENGTH OF THE BAR.

R10 INSTALLATION OF REINFORCEMENT SHALL BE COMPLETED AT LEAST 24 HOURS PRIOR TO SCHEDULED CONCRETE PLACEMENT. NOTIFY ENGINEER OF COMPLETION AT LEAST 24 HOURS PRIOR TO SCHEDULED COMPLETION OF PLACEMENT OR REINFORCEMENT.

R11 REINFORCEMENT SHALL BE SET BEFORE PLACING CONCRETE. SETTING ANY REINFORCEMENT INTO WET CONCRETE IS PROHIBITED.

CONCRETE

C1 CONCRETE WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318), AND SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDING (ACI 301).

C2 CONCRETE SHALL BE CONTROLLED CONCRETE, PROPORTIONED, MIXED AND PLACED UNDER THE SUPERVISION OF AN APPROVED CONCRETE TESTING AGENCY OR THE ENGINEER.

C3 CONCRETE SHALL BE NORMAL WEIGHT CONCRETE AND SHALL HAVE A COMPRESSIVE STRENGTH OF 4500 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED AND SHALL BE AIR ENTRAINED (SEE SPECS)

C4 THE USE OF CONSTRUCTION JOINTS WHERE SHOWN ON THE DRAWINGS IS MANDATORY. OMISSIONS, ADDITIONS OR CHANGES SHALL NOT BE MADE EXCEPT WITH THE SUBMISSION OF A WRITTEN REQUEST TOGETHER WITH DRAWINGS OF THE PROPOSED JOINT LOCATIONS FOR APPROVAL OF THE STRUCTURAL ENGINEER.

C5 WHERE CONSTRUCTION JOINTS ARE NOT SHOWN, DRAWINGS SHOWING LOCATION OF CONSTRUCTION JOINTS AND CONCRETE PLACING SEQUENCE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PREPARATION OF THE REINFORCEMENT SHOP DRAWINGS.

C6 CONCRETE SLABS SHALL BE CAST SO THAT THE SLAB THICKNESS IS AT NO POINT LESS THAN THAT INDICATED ON THE DRAWINGS.

C7 CONCRETE SLABS AND WALLS SHALL BE CAST ALTERNATELY OR IN A CHECKERBOARD FASHION SO THAT ADJACENT SECTIONS ARE PLACED NO SOONER THAN THREE DAYS APART. AT LEAST TWO DAYS MUST ELAPSE AFTER PLACING CONCRETE IN WALLS BEFORE PLACING FLOOR SYSTEM SUPPORTED THEREON.

C8 CONCRETE SHALL BE PLACED WITHOUT HORIZONTAL CONSTRUCTION JOINTS EXCEPT WHERE SHOWN OR NOTED.

C9 EXPOSED EDGES OF CONCRETE ELEMENTS SHALL HAVE CHAMFERED CORNERS.

C10 ONLY CRITICAL CONSTRUCTION JOINTS ARE SHOWN. SEE SPECIFICATIONS FOR REQUIRED MAXIMUM SPACING OF CONSTRUCTION JOINTS.

FOUNDATIONS

F1 NO CONCRETE SHALL BE PLACED IN WATER OR ON FROZEN GROUND.

F2 BOTTOM OF FOUNDATION ELEVATIONS GIVEN ON DRAWINGS ARE TO BE CONSIDERED MINIMUM DEPTHS. CONTRACTOR SHALL HAVE FURTHER EXCAVATION AS REQUIRED TO REACH GOOD BEARING.

F3 ALL EXCAVATIONS FOR FOOTINGS SHALL BE FINISHED BY HAND FOR THE LAST 6".

F4 ALL FINISHED EXCAVATIONS SHALL BE INSPECTED BY THE ENGINEER BEFORE ANY CONCRETE IS PLACED.

F5 ALL BACKFILL UNDER OR ADJACENT TO ANY PORTION OF THE STRUCTURES SHALL BE COMPACTED IN 6" LIFTS. SEE SPECIFICATIONS.

F6 REMOVE UNSUITABLE FILL AND/OR IMPROVE THE SUBGRADE PER SPECIFICATION REQUIREMENTS. BACKFILL WITH COMPACTED STRUCTURAL (GRANULAR) FILL.

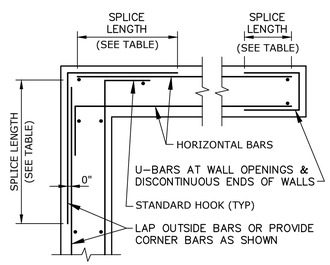
F7 ALL EMBANKMENT MATERIALS SHALL BE PLACED ON FIRM, UNSATURATED MATERIALS, FREE OF ORGANICS, FROZEN, OR OTHERWISE DELETERIOUS MATERIALS. THE PROJECT ENGINEER SHALL REVIEW ALL FOUNDATION PREPARATION AND CONFIRM ITS SUITABILITY PRIOR TO PLACEMENT OF EMBANKMENT MATERIALS. THE ENGINEER MAY ORDER THAT UNSUITABLE MATERIALS BE REPLACED AND PREPARED APPROPRIATELY AS IDENTIFIED IN NOTE F6.

BAR SIZE DESIGNATION		DEVELOPMENT LENGTH (INCHES)	SPLICE LENGTH (INCHES)	
ENGLISH	METRIC	Ld	CLASS B	CLASS B TOP BARS
#5	#16	24	31	40
#6	#19	29	37	48
#7	#22	42	54	70
#8	#25	48	62	81

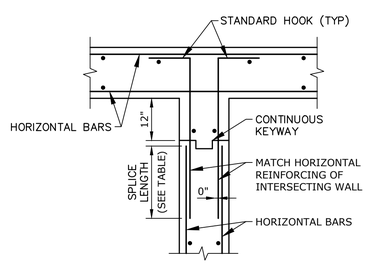
REBAR SPLICE LENGTH SCHEDULE

NOTES:

1. IF CLEAR SPACING BETWEEN THE REBARS IS LESS THAN THREE BAR DIAMETERS, OR IF COVER IS LESS THAN TWO BAR DIAMETERS, INCREASE THE SPLICE LENGTH BY AN ADDITIONAL 50%.
2. IF EPOXY COATED REBAR IS USED, INCREASE THE SPLICE LENGTH BY AN ADDITIONAL 50%.
3. IF LIGHTWEIGHT CONCRETE IS USED, INCREASE THE SPLICE LENGTH BY AN ADDITIONAL 30%.
4. THE MINIMUM REBAR SPLICE LENGTH SCHEDULE IS BASED ON F'c= 4,000 PSI AND Fy= 60,000 PSI. ADJUST FOR OTHER STRENGTHS USING ACI-318.
5. FOR HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW, INCREASE THE DEVELOPMENT LENGTH BY AN ADDITIONAL 30%.
6. WHEN BARS OF DIFFERENT SIZE ARE LAP SPLICED, THE SPLICE LENGTH SHALL BE THE LARGER OF EITHER THE DEVELOPMENT LENGTH OF THE LARGER BAR OR THE SPLICE LENGTH OF THE SMALLER BAR.



PLAN OF HORIZONTAL REINFORCING AT CORNERS OF CONCRETE WALLS
NO SCALE



PLAN OF HORIZONTAL REINFORCING AT CONCRETE WALL INTERSECTIONS
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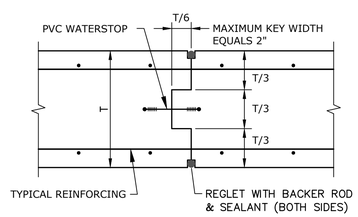
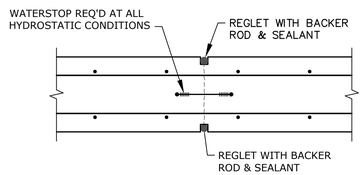


CONSTRUCTION JOINT
NO SCALE



NOTE:
CONCRETE IS PLACED MONOLITHICALLY ON BOTH SIDES OF ALL CONTRACTION JOINTS

CONCRETE WALL CONTRACTION JOINT
NO SCALE

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04/15/2025

Elton Rogers Park Dam Reconstruction

City of Bridgeport

Bridgeport, Connecticut

September 30, 2018

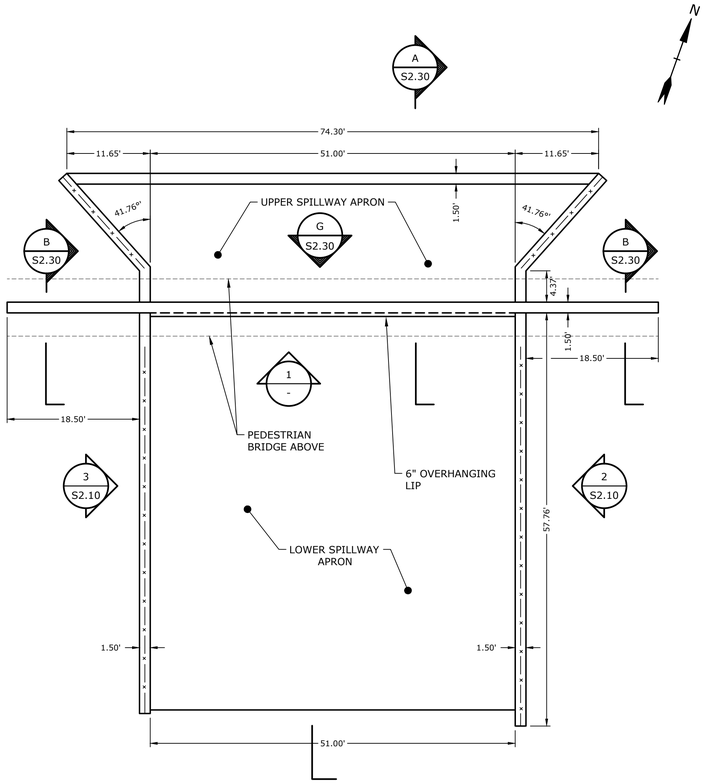
MARK	DATE	DESCRIPTION
1	6/26/24	RESPONSE TO COMMENTS

PROJECT NO:	B0694-002
FILE:	B0694-S-100-STRUC.dwg
DRAWN BY:	T&B
CHECKED:	JAC
APPROVED:	RWC

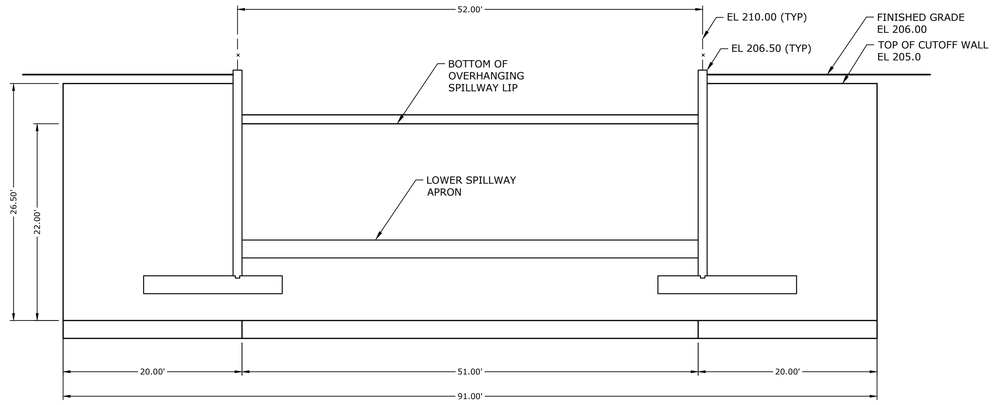
STRUCTURAL GENERAL NOTES AND DETAILS

SCALE: AS NOTED

S1.00



SPILLWAY DETAIL - PLAN VIEW
SCALE: 1"=10'



SPILLWAY CUTOFF WALL ELEVATION

ELEVATION 1
SCALE: 1/8" = 1' -

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SPILLWAY PLAN AND ELEVATION

SCALE: AS NOTED

S2.00

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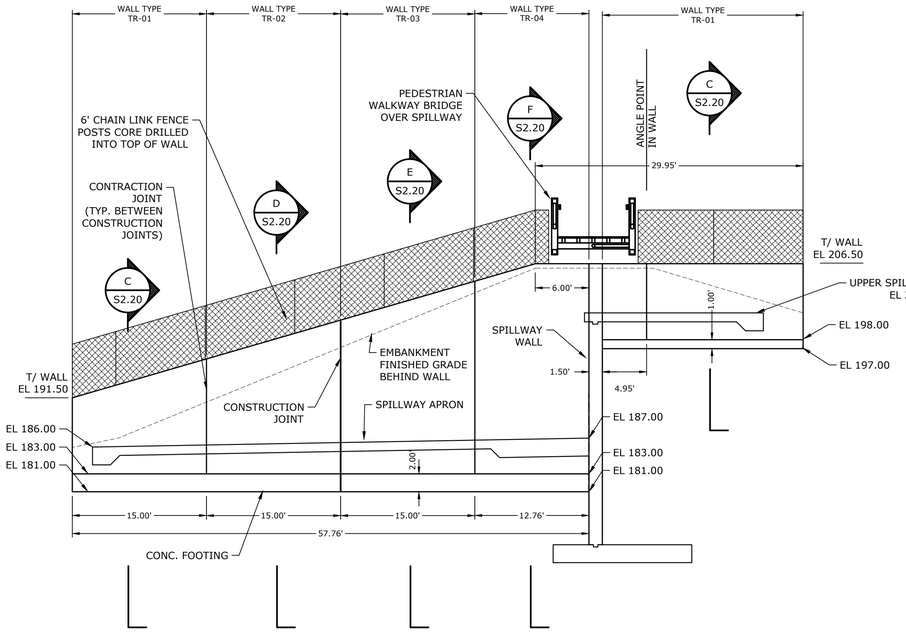
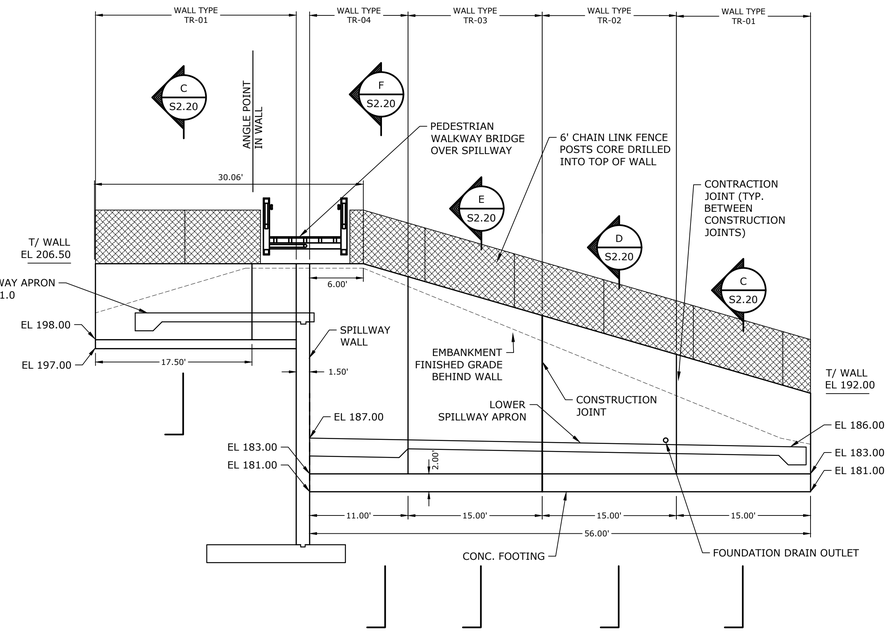


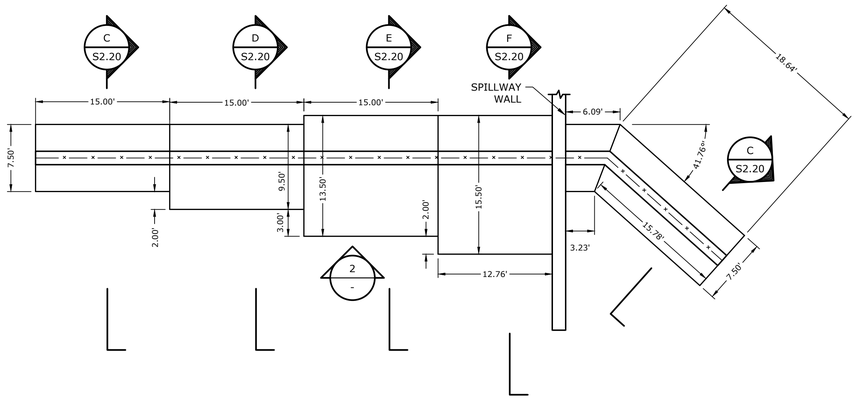
EAST TRAINING WALL DETAIL - ELEVATION

ELEVATION 2 S2.00
SCALE: 1/8" = 1'

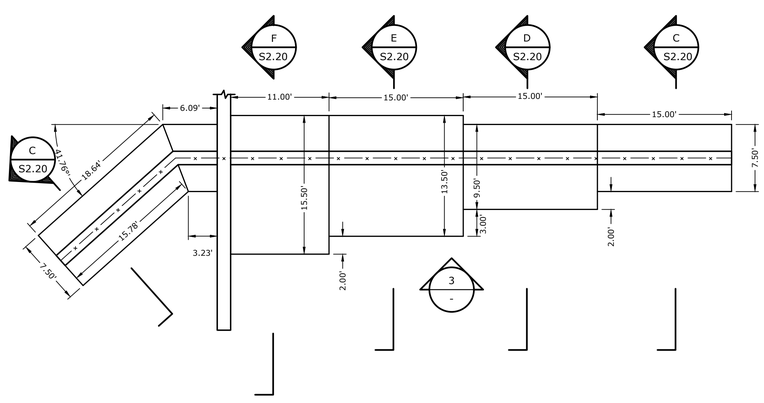


WEST TRAINING WALL DETAIL - ELEVATION

ELEVATION 3 S2.00
SCALE: 1/8" = 1'



EAST TRAINING WALL FOOTING DETAIL - PLAN VIEW
SCALE: 1"=8'



WEST TRAINING WALL FOOTING DETAIL - PLAN VIEW
SCALE: 1"=8'

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SPILLWAY WALL ELEVATIONS AND FOUNDATION PLAN

SCALE: AS NOTED

S2.10

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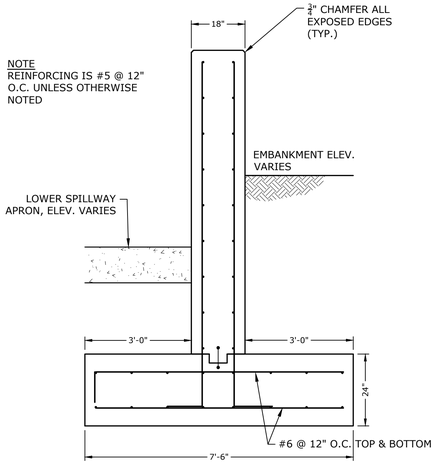
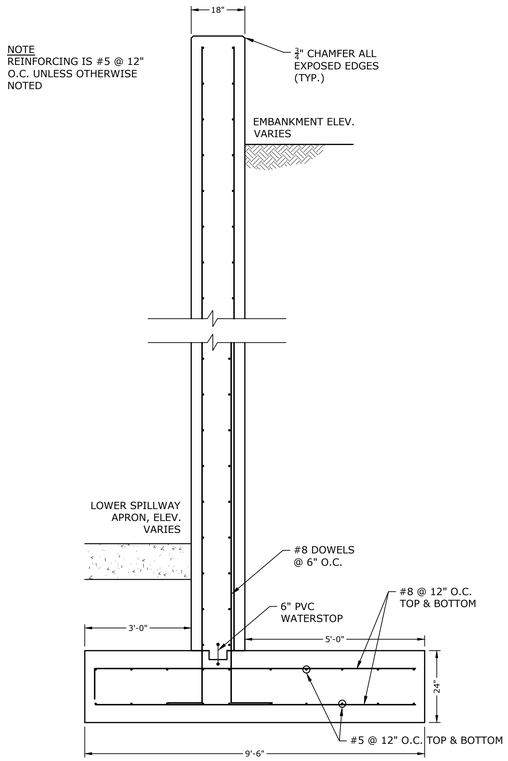


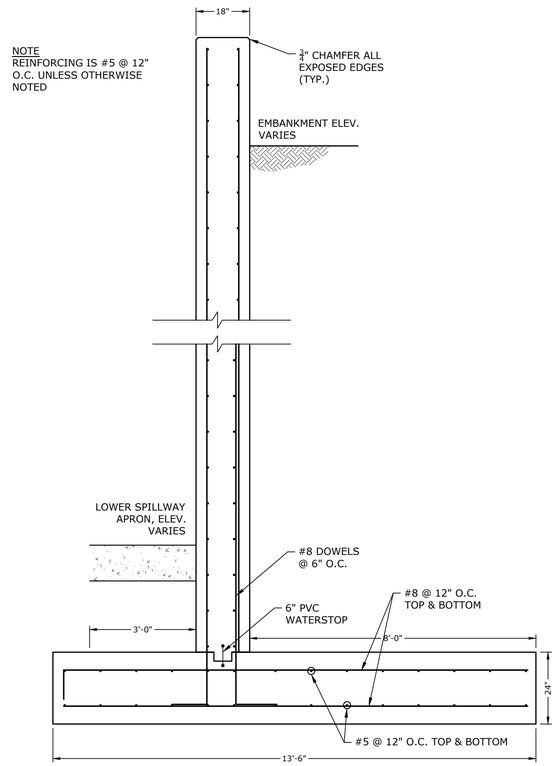
WALL TYPE TR-1

SECTION C
SCALE: 1/2" = 1' -



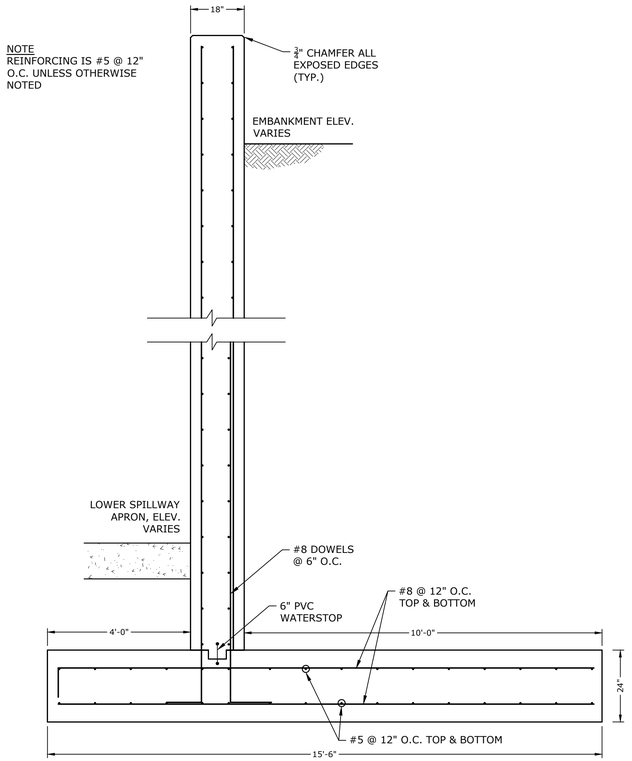
WALL TYPE TR-2

SECTION D
SCALE: 1/2" = 1' -



WALL TYPE TR-3

SECTION E
SCALE: 1/2" = 1' -



WALL TYPE TR-4

SECTION F
SCALE: 1/2" = 1' -

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PROJECT NO:	B0694-002
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APPROVED:	RWC

SPILLWAY WALL SECTIONS

SCALE: AS NOTED

S2.20

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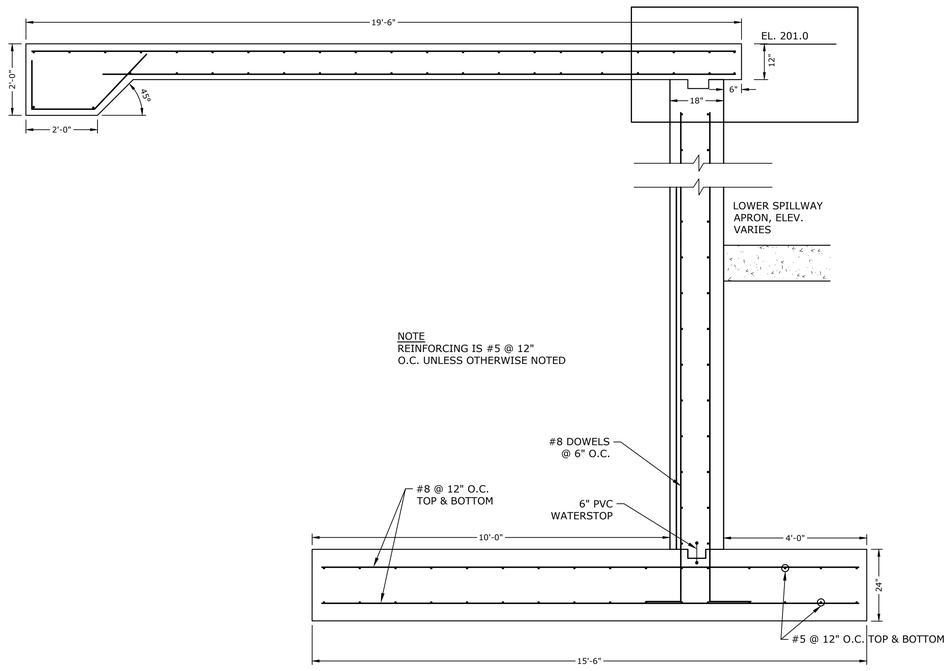
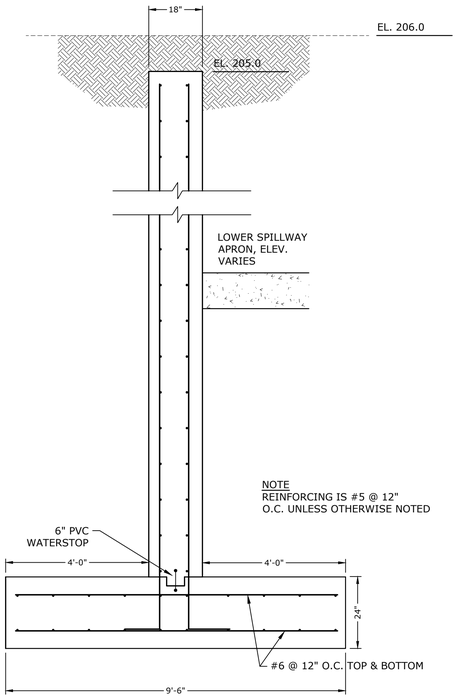


SPILLWAY WALL

SECTION A / S2.00

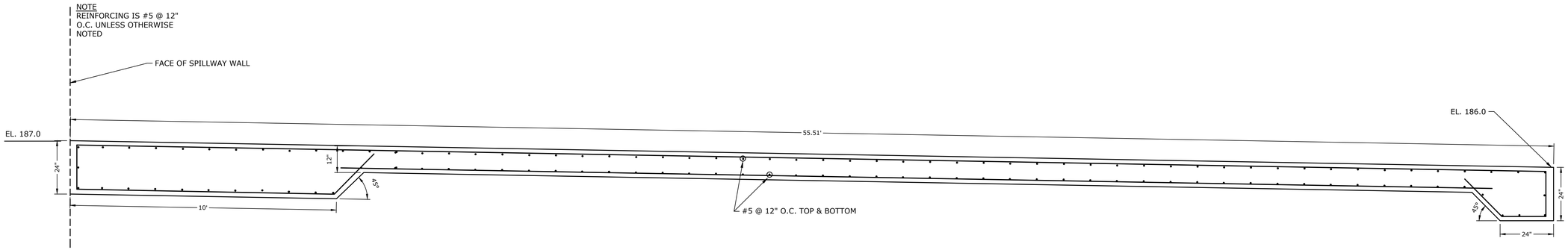
SCALE: 1/2" = 1'



CUTOFF WALL

SECTION B / S2.00

SCALE: 1/2" = 1'



LOWER SPILLWAY APRON

SECTION G / S2.00

SCALE: 1/2" = 1'

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SPILLWAY
WALL SECTIONS

SCALE: AS NOTED

S2.30

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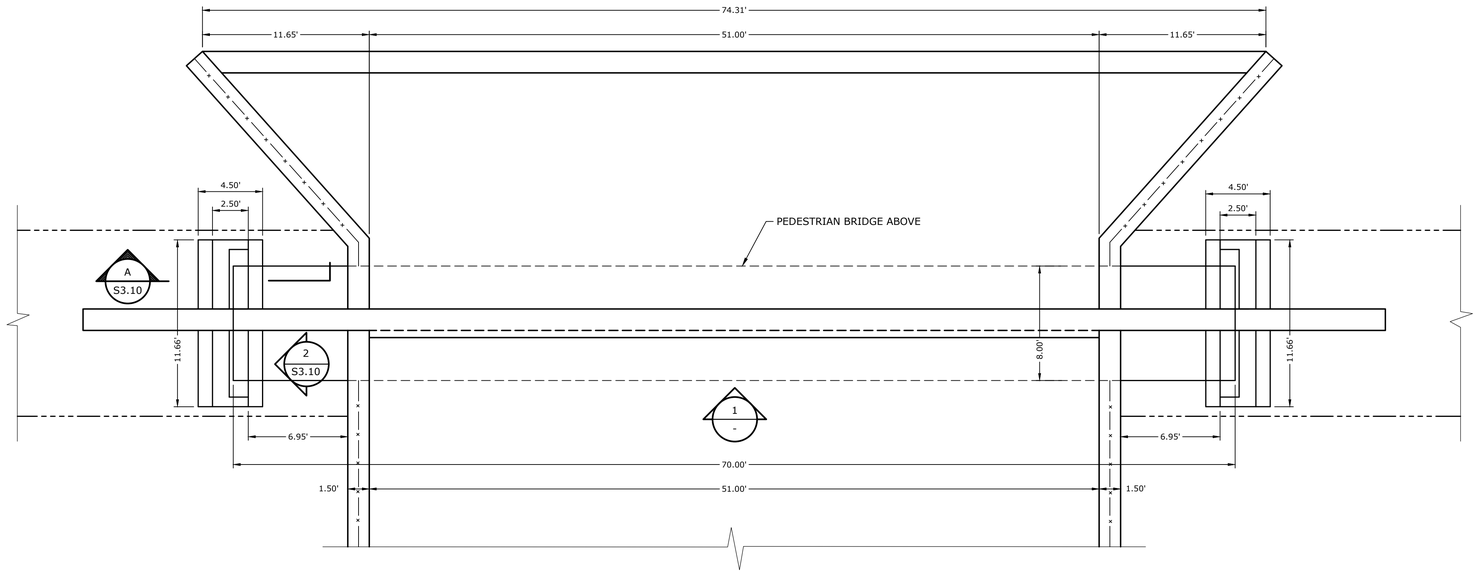
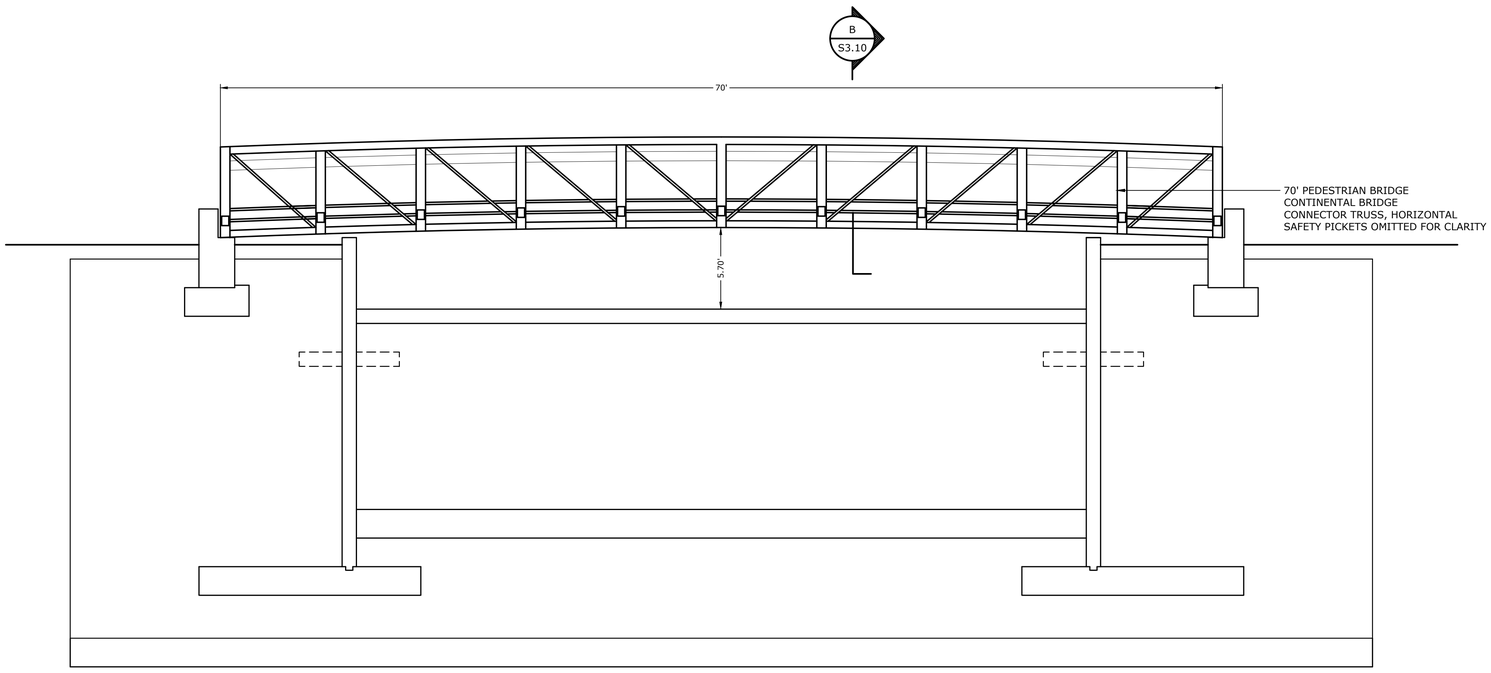


OVERFLOW STRUCTURE DETAILS - PLAN VIEW
SCALE: 1"=5'



PEDESTRIAN BRIDGE OVER SPILLWAY

ELEVATION 1 -
SCALE: 1" = 5'

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04/15/2025

Elton Rogers Park Dam Reconstruction

City of Bridgeport

Bridgeport, Connecticut

September 30, 2018

MARK	DATE	DESCRIPTION
1	6/26/24	RESPONSE TO COMMENTS

PROJECT NO:	B0694-002
FILE:	B0694-S-100-STRUC.dwg
DRAWN BY:	RAS
CHECKED:	JAC
APPROVED:	RWC

PEDESTRIAN BRIDGE OVER SPILLWAY

SCALE: AS NOTED

S3.00

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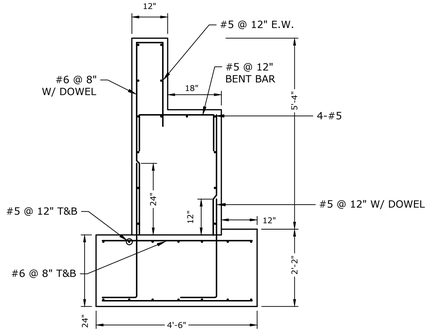
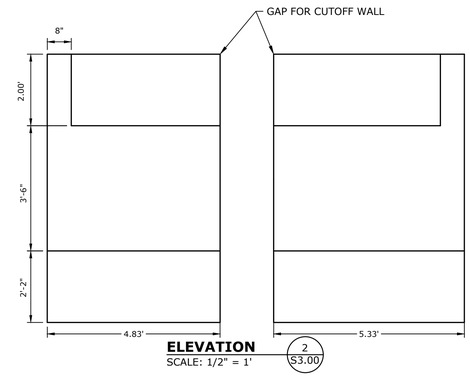
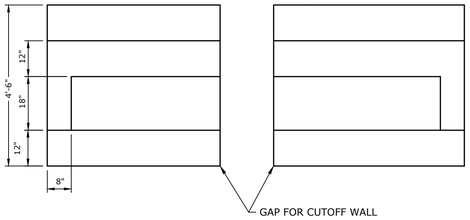


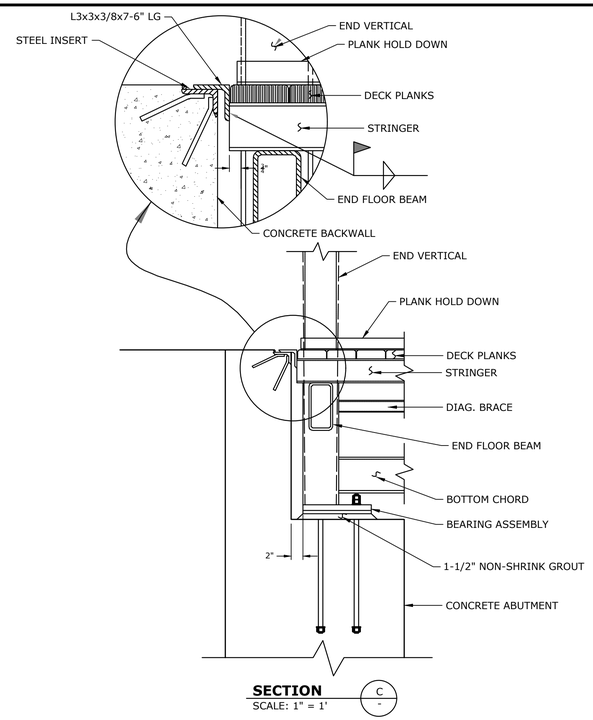
SECTION (A / S3.00)
SCALE: 1/2" = 1'



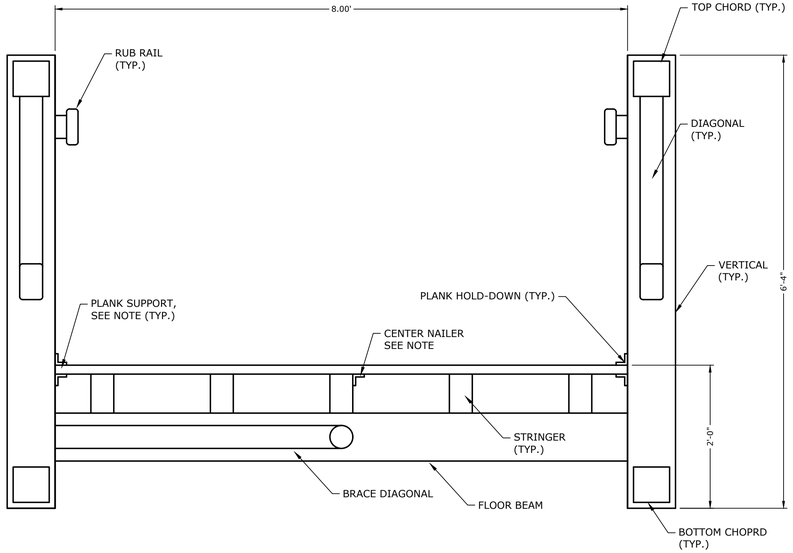
ELEVATION (2 / S3.00)
SCALE: 1/2" = 1'



PLAN

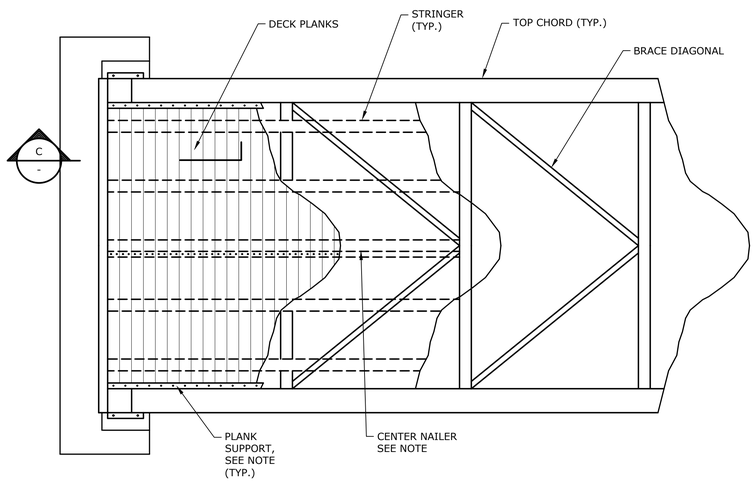


SECTION (C / -)
SCALE: 1" = 1'



NOTE
1. USE $\frac{5}{16}$" DIA. TORX NUTTON HEAD GR8 ACQ OLIVE DRAB PLATED SELF-TAPPING SCREWS FOR PLANK ATTACHMENT.
2. USE ONE SCREW PER PLANK AT EACH PLANK HOLD DOWN AND TWO SCREWS PER PLANK AT CENTER NAILER

SECTION (B / S3.00)
SCALE: 1" = 1'



NOTE
1. USE $\frac{5}{16}$" DIA. TORX NUTTON HEAD GR8 ACQ OLIVE DRAB PLATED SELF-TAPPING SCREWS FOR PLANK ATTACHMENT.
2. USE ONE SCREW PER PLANK AT EACH PLANK HOLD DOWN AND TWO SCREWS PER PLANK AT CENTER NAILER

BRIDGE PARTIAL PLAN
SCALE: 1/4" = 1'

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SPILLWAY BRIDGE SECTIONS AND DETAILS

SCALE: AS NOTED

S3.10

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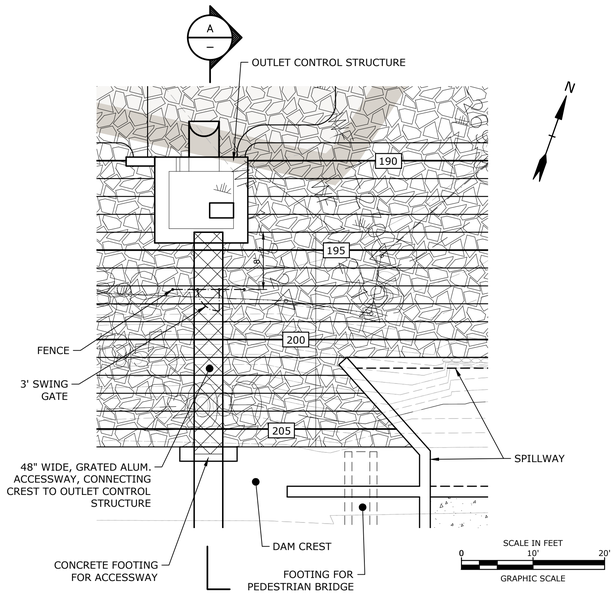
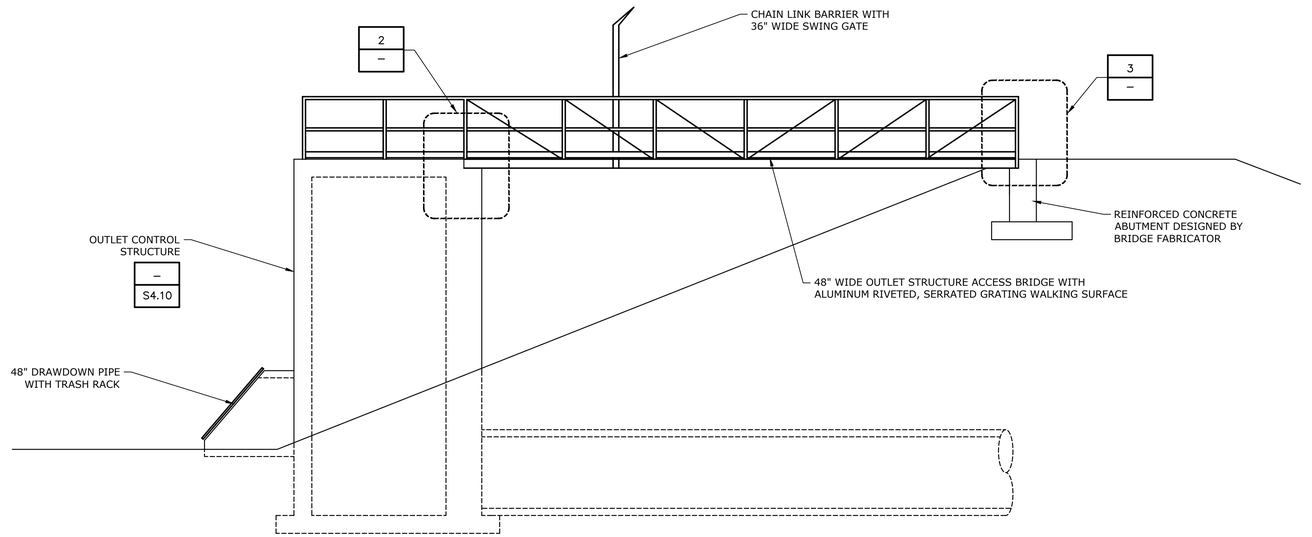
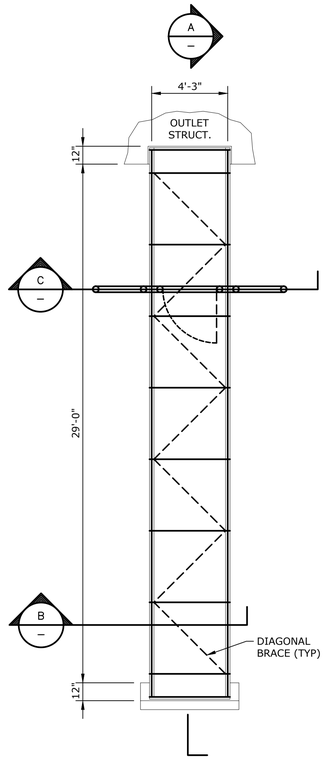


OUTLET STRUCTURE ACCESS BRIDGE ENLARGEMENT

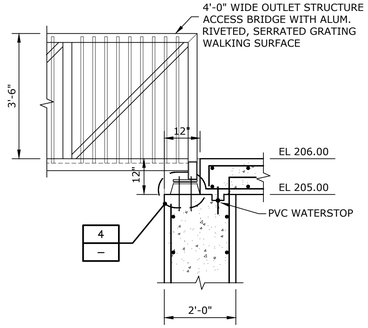
DETAIL 1 – 1" = 10'



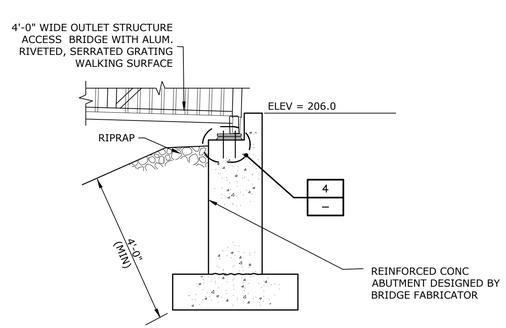
A – CROSS SECTION AT OUTLET CONTROL ACCESS BRIDGE
SCALE: 1" = 4'



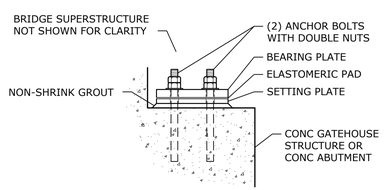
OUTLET STRUCTURE ACCESS BRIDGE
1/4"=1'-0"



DETAIL 2 – 1/2"=1'-0"



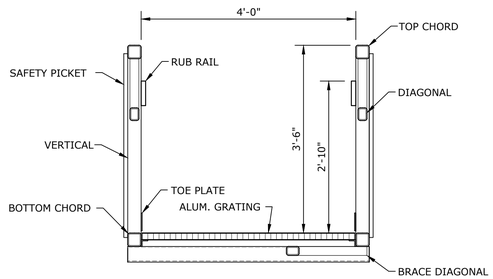
DETAIL 3 – 1/2"=1'-0"



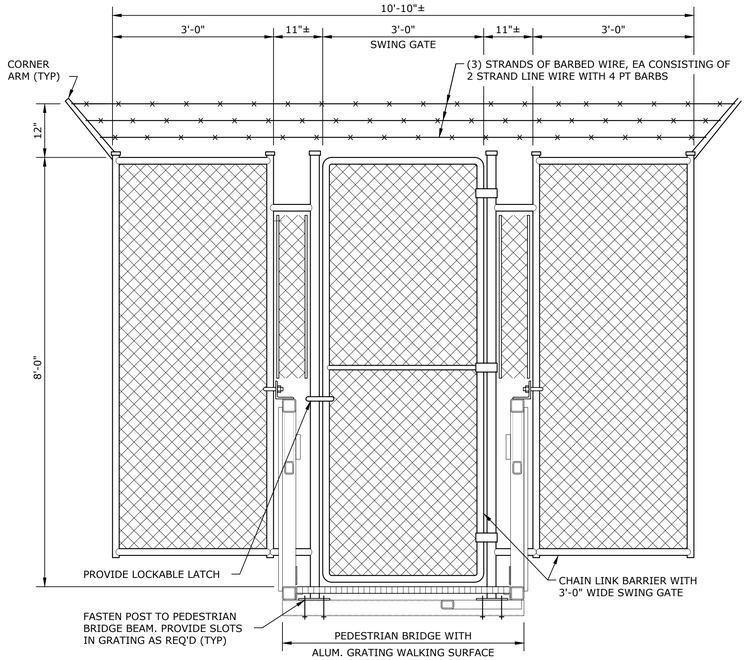
NOTE:
SETTING PLATE, ELASTOMERIC PAD, BEARING PLATE, AND ANCHOR BOLTS FURNISHED BY PEDESTRIAN BRIDGE MANUFACTURER.

OUTLET STRUCTURE ACCESS BRIDGE BEARING PLATE

DETAIL 4 – NO SCALE



B – OUTLET STRUCTURE ACCESS BRIDGE SECTION
SCALE: 3/4" = 1'



C – ACCESS GATE SECTION
SCALE: 3/4" = 1'

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CHECKED:	JAC
APPROVED:	RWC

OUTLET CONTROL STRUCTURE DETAILS

SCALE: AS NOTED

S4.00

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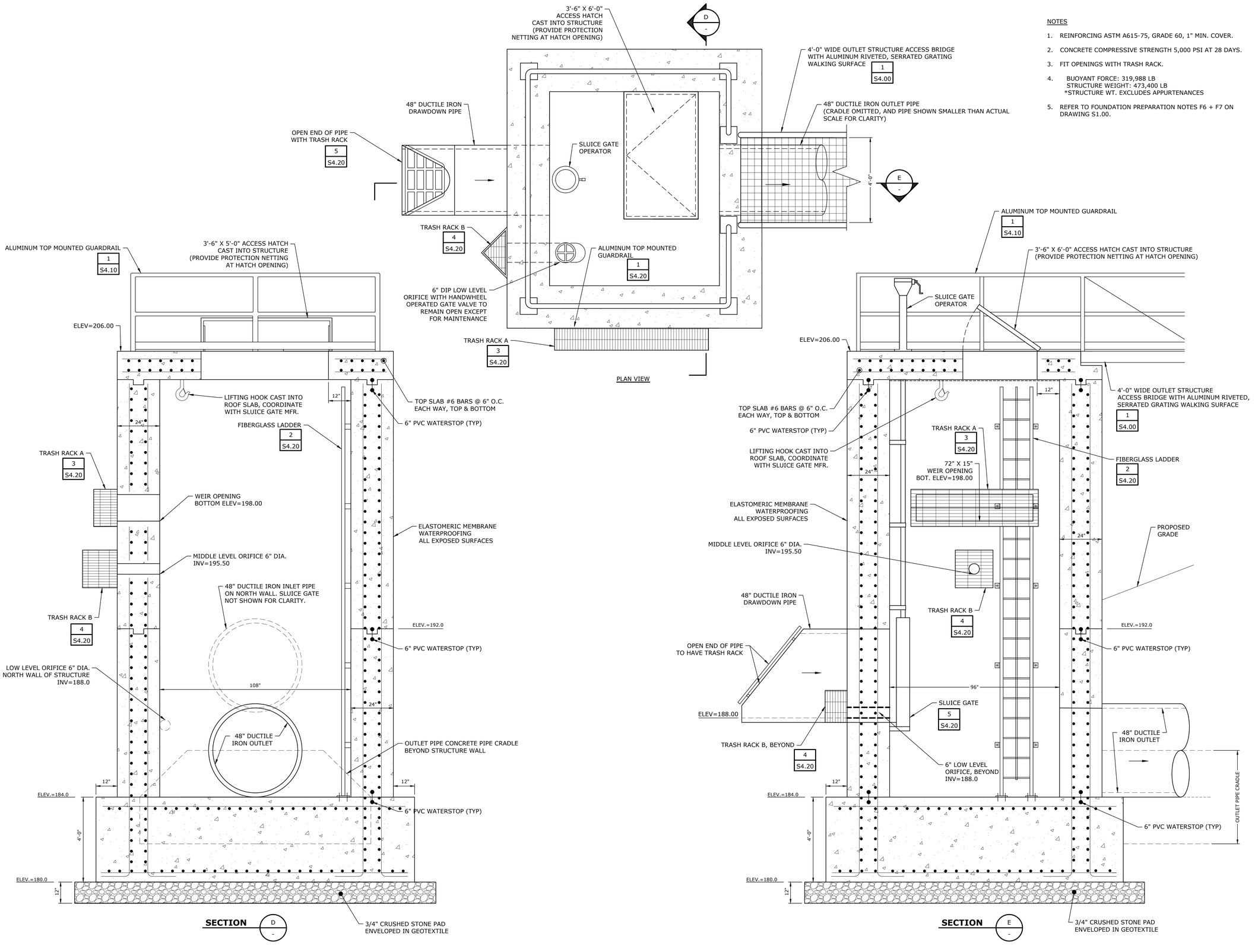

NOTES

1. REINFORCING ASTM A615-75, GRADE 60, 1" MIN. COVER.
2. CONCRETE COMPRESSIVE STRENGTH 5,000 PSI AT 28 DAYS.
3. FIT OPENINGS WITH TRASH RACK.
4. BUOYANT FORCE: 319,988 LB
   STRUCTURE WEIGHT: 473,400 LB
   *STRUCTURE WT. EXCLUDES APPURTENANCES
5. REFER TO FOUNDATION PREPARATION NOTES F6 + F7 ON DRAWING S1.00.

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OUTLET CONTROL STRUCTURE DETAILS

SCALE: AS NOTED

S4.10

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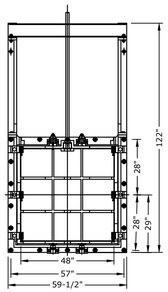
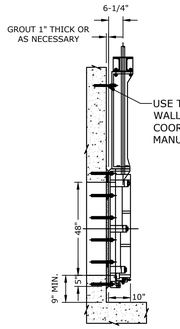
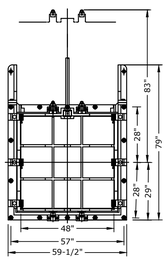


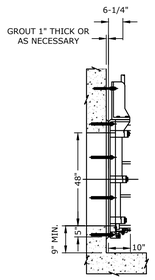
FRONT VIEW



SIDE VIEW



FRONT VIEW



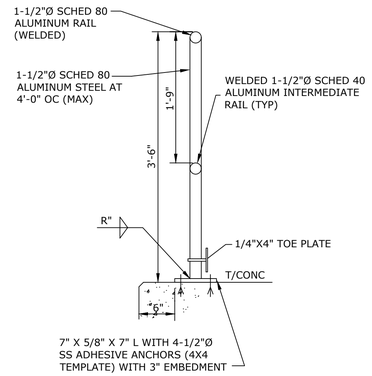
SIDE VIEW

NOTES:

1. SLUICE GATE SHALL BE MOUNTED USING CAST-IN-PLACE THIMBLES
2. GATE TO BE 48" x 48" CAST IRON INTEGRAL FRAME SLIDE GATE BY RODNEY HUNT, ORANGE, MA, MODEL A-103.

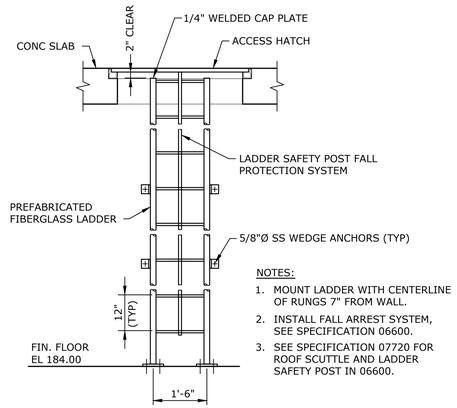
SLUICE GATE
NO SCALE

DETAIL	5
	C4.20



TOP MOUNTED GUARD RAIL DETAIL
NO SCALE

DETAIL	1
	C4.10

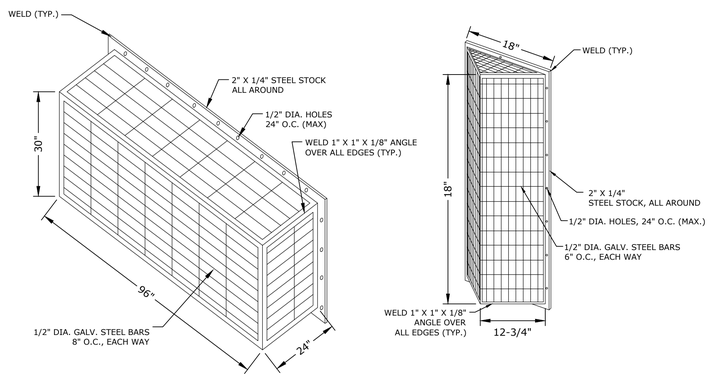


NOTES:

1. MOUNT LADDER WITH CENTERLINE OF RUNGS 7" FROM WALL.
2. INSTALL FALL ARREST SYSTEM, SEE SPECIFICATION 06600.
3. SEE SPECIFICATION 07720 FOR ROOF SCUTTLE AND LADDER SAFETY POST IN 06600.

FIBERGLASS LADDER
NO SCALE

DETAIL	2
	C4.10



TRASH RACK A
NO SCALE

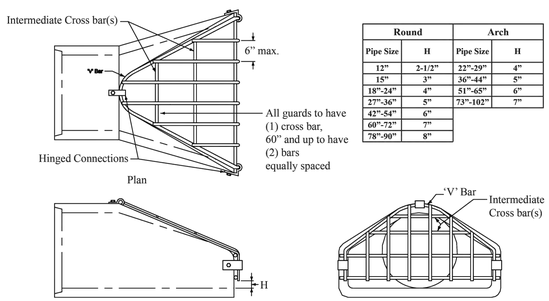
TRASH RACK B
NO SCALE

NOTES

1. TRASH RACK TO BE CENTERED OVER OPENING.
2. STEEL TO CONFORM TO ASTM A36.
3. ALL SURFACES TO BE COATED WITH ZRC COLD GALAVANIZING COMPOUND AFTER WELDING.
4. TRASH RACK TO BE FASTENED TO THE WALL WITH 1/2" MASONRY ANCHORS.
5. TRASH RACK SHALL BE REMOVABLE.

DETAIL	4
	C4.10

Trash Guard For Flared Ends



Round		Arch	
Pipe Size	H	Pipe Size	H
12"	2-1/2"	22"-29"	4"
15"	3"	36"-44"	5"
18"-24"	4"	51"-65"	6"
27"-36"	5"	73"-103"	7"
42"-54"	6"		
60"-72"	7"		
78"-90"	8"		

Hot dip galvanized per ASTM A123

Bar Sizes									
Standard Design					Heavy Design				
	Pipe Size	Hole Dia. Required	Bolt Dia.	Bar Size		Pipe Size	Hole Dia. Required	Bolt Dia.	Bar Size
Round	12"-24"	3/4"	5/8"	5/8"	Round	12"-24"	3/4"	5/8"	3/4"
	27"-48"	7/8"	3/4"	3/4"		27"-48"	7/8"	3/4"	1"
	54"-90"	1-1/8"	1"	1"		54"-90"	1-1/8"	1"	1-1/4"
Arch	22"-29"	3/4"	5/8"	5/8"	Arch	22"-29"	3/4"	5/8"	3/4"
	36"-59"	7/8"	3/4"	3/4"		36"-59"	7/8"	3/4"	1"
	65"-102"	1-1/8"	1"	1"		65"-102"	1-1/8"	1"	1-1/4"
Bolt Lg. = Pipewall Thk. + 2-1/2"					Elliptical	14"x23"	3/4"	5/8"	3/4"
						19"x30"	3/4"	5/8"	3/4"
						24"x38"	7/8"	3/4"	3/4"
						29"x45"	7/8"	3/4"	3/4"
						34"x53"	7/8"	3/4"	3/4"
						38"x60"	7/8"	3/4"	3/4"
						43"x68"	1-1/8"	1"	1"
						48"x76"	1-1/8"	1"	1"
						53"x83"	1-1/8"	1"	1"

HAALA INDUSTRIES

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Fax: 507-794-5823
www.haala.com

Contact: Scott Haala
scott@haala.com
Ph: 507-794-5821 ext. 115
Cell: 507-920-9182

DETAIL	5
	C4.10

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OUTLET CONTROL STRUCTURE DETAILS

SCALE: AS NOTED

S4.20

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LEGEND

- Culvert
- Hydraulic Connection
- Delineated Intermittent Watercourse
- Delineated Wetland Boundary

Dominant Wetland Classifications

- Palustrine Emergent Wetland (PEM)
- Palustrine Forested/Scrub Shrub (PFO/SS)
- Palustrine Forested Wetland (PFO)
- Vernal Pool Depression
- Site Location
- CT Municipal Boundary

1:2,400

0 100 200

Feet

Tighe&Bond

1. Based on 2016 Statewide Orthophotography, Courtesy of CTECO.

G:\GIS\CT\SiteLocus\BridgeportCT\RogersPark\Figure3_Resources_Town.mxd

FIGURE 3
WETLAND RESOURCES

Rogers Park
Bridgeport, Connecticut

January 2025

B-0694