

**NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENGINEERING DESIGN AND CONSTRUCTION
CROTON FACILITY MONITORING COMMITTEE MEETING MINUTES
THURSDAY, APRIL 15, 2010 – 7:00PM**

The Croton Facility Monitoring Committee met on Thursday, April 15, 2010 at the DEP Community Office, 3660 Jerome Avenue, Bronx, NY 10467.

Attending - CFMC representatives:

Damian McShane, Chairman, Community Board # 8; Paul Foster, Chairman, Community Board #7; Carmen Rosa, District Manager, Community Board #12; Hector Aponte, Bronx Commissioner, Parks and Recreation Department; Jessica Noon, Bronx Borough President's Office; Jamin Sewell, representing Council Member G. Oliver Koppell; Mark Lanaghan, Department of Environmental Protection. Present were staff of DEP, DEP's construction manager, its design consultant, Assembly Member Jeffrey Dinowitz, and members of the public. Attendees are listed on *Attachment 1*.

Welcome

Mr. McShane, CFMC Chairman, opened the meeting at 7:20 PM. The agenda is *Attachment 2*.

Update on Parks and Recreation Department's Croton Projects and Jobs

Frank McCue, Parks Dept, presented the current status and showed slides of the Croton-funded parks projects. See *Attachment 3*. Asked about Harris Ball Fields, Mr. McCue said that the HDR consultant who accompanied him at the February 24 CFMC meeting has progressed on their remediation study. However, the contaminated soils aren't yet removed. Currently HDR is placing a grid on the fields where soils will be removed. Soils removal is expected to begin within the next two months. Karen Argenti, Bronx Council on Urban Environment, said young people are often on the fields despite the contamination. Richard Barr, Bronx High School of Science Parents Association, questioned if concrete is beneath the softball fields. If so, is there is padding between the synthetic surface and the concrete? Commissioner Aponte said gravel is beneath the synthetic turf, not concrete. Mr. Barr asked if there will be a pitcher's mound on the softball fields. He was told no, softball fields do not have elevated pitcher's mounds. Gary Axelbank, area resident, said there is presently water on the Van Cortlandt Park (VCP) Parade Grounds. Mr. McCue said test pits are being dug to determine the source of the water, and the standing water may be attributable either to water main damage or storm water. There was additional discussion about the Parade Grounds. Ms. Argenti mentioned storm water on the highway diverted from the Mosholu Extension. Commissioner Aponte said the Parade Grounds northern fields should open in May.

Ms. Argenti requested that future Parks Dept presentations include the Community District on each project slide. She questioned projects that weren't included on the slides, for example, the pathway around Jerome Park Reservoir (JPR). Mr. McCue said that 100% complete design drawings for the pathway were submitted to the Design

Commission but were recalled for additional coordination with DEP. He said that a small number of trees must be removed as well. Lynn Schwarz, Friends of Independence Park Neighborhood Assn, questioned whether that park is included among the Croton-funded upgrades. Mr. Aponte said it is not; however, a portion of the park is within the JPR path project. Mr. McShane said he would ask Bob Bender, CB #8, to contact Ms. Schwarz. Anne Marie Garti, Jerome Park Conservancy, said the JPR pathway should be excavated to be level. Messrs Aponte & McCue addressed this, saying there would be limited excavation on the pathway.

DEP Jobs and Purchases

Mr. Lanaghan, who gave an extensive jobs and purchases presentation at the March CFMC meeting, provided a chart and brief update on jobs and purchases. (*Attachment 4*) He said that the DEP community office recently hosted two recruitment sessions for the training that DEP will fund, to be given by the Carpenters Union/CityTech. Mr. Axelbank asked why the Carpenters Union/CityTech training is geographically distant from the Croton Filter Project. Mr. Lanaghan said that the program was successful, scored highly, and was the site of prior DEP-funded training. In response to a question, Mr. Lanaghan said that the Carpenters Union/City Tech training that DEP is paying for would be solely for Bronx residents.

Construction Update

Bernard Daly, Croton Executive Project Manager, said the CFMC had an extensive site tour earlier in the week. He distributed a 90 day look-ahead (*Attachment 5*) and reviewed the status of the Croton contracts.

The CRO-312 contractors continue their activities at the VCP site. Concrete placement should be 95% complete by September 2010. Installation of masonry walls, precast concrete planks, platforms, tanks, large diameter piping, electrical, HVAC and plumbing work inside the plant footprint continues. Utility work and retaining wall construction at the plant's entrance also continues.

The CRO-313 contractor is continuing to place large diameter pipe in the Treated Water Tunnels. This contract is expected to be completed ahead of schedule.

The Contract CRO-315 work included the Gate House No. 5 scrubber installation and testing. Installation and testing of scrubber is now finished and it will be available if chlorine returns to this Gate House. There is currently no water in the JPR basins and no chlorine on site. Removal of the foundation of the Demonstration Filter Plant, which remained when the building was demolished, is scheduled to occur in the future under the CRO-312OS-G contract.

Mr. Daly added that filling the JPR basins depends upon the New Croton Aqueduct (NCA) work taking place under Contract CRO-334 in various locations. He said that the CRO-334 contractor is starting work on the dividing wall at JPR soon. Mr. Daly said that work continues in Gate Houses 1, 2, and 3. He again emphasized that no water is expected to be introduced into the JPR basins in the near future and no chlorine is on site.

The CRO-312 OS contractors to date completed 73 controlled blasts behind the noise wall surrounding the JPR Shaft and Meter Chamber site. Controlled blasting has gone very well. Within the next several weeks, the contractor should be finished with this phase of controlled blasting. About nine months from now, the contractor will commence the second phase of controlled blasting behind the noise wall. Work on the overflow weir on the Sedgwick side of JPR is almost complete.

The force main digging of test pits has begun. Force main pipe installation is not expected to begin until later this summer, probably in August. The CFMC and community boards will receive further information about the contractor's schedule as it becomes available.

With respect to the JPR South Basin Ramp, construction is needed near Gate House 6 and it can take place only when the NCA is out of service. Currently, DEP is performing "Lock Out/ Tag Out" work on the NCA. The Ramp work will include removal of the concrete floor slab and then rock removal. A decision will be made soon about whether some controlled blasting will be used as part of the South Basin Ramp construction. Work to remove the basin slab will begin in the next couple of weeks.

Arne Fareth, BEDC Design, showed slides of the current South Basin of JPR and views of the South Basin with its new Ramp. He distributed a fact sheet about the Ramp approvals - (*Attachment 6*). Mr. Fareth said the Ramp would be a freestanding entity, approximately 280' long. He showed the stone veneer facing of the Ramp. He said that New York State Historic Preservation Office (SHPO) reviewed the plans and agreed to them. There followed extensive discussion about elements of the Ramp plan and its construction among Ms. Garti, Mr. McShane, Mr. Fareth, Mr. Axelbank, Mr. Barr, Ms. Argenti, Mr. Aponte, Mr. Daly, Mr. Lanaghan, and Erin Guire, Metcalf & Eddy/Hazen and Sawyer JV, design consultant. After review of drawings and further discussion, community representatives withdrew objection. Mr. McShane said he would place the materials submitted to SHPO in support of the Ramp and SHPO's reply on Community Board #8's web page. (*Attachment 7*)

Pedestrian Bridge Draft Report

Mr. Lanaghan distributed to the CFMC copies of the draft pedestrian bridge feasibility report that was prepared by Philip Habib & Associates, together with a current construction cost estimate for the preferred alternative that was prepared by the Croton design consultants. The CFMC decided that their comments would be offered at the May CFMC meeting when this will be the primary agenda item. Ms. Noon said the Greenway project would benefit from a pedestrian bridge. Ms. Argenti discussed procedural requirements for filing the report. Mr. Aponte spoke about the bridge report's technical, legal and financial conditions. Mr. McShane asked whether DEP would build the pedestrian bridge if the CFMC provided a good solution, Mr. Lanaghan stated that building the bridge should be weighed against other critical competing DEP infrastructure needs. However, Mr. Lanaghan added that DEP's Commissioner has not expressed his views about the pedestrian bridge.

Adoption of CFMC Meeting Minutes from March 18, 2010

Mr. McShane asked for a motion to approve the March meeting minutes. Mr. Sewell so moved. By a vote of 6-0-1 to adopt the minutes, the minutes passed, with Ms. Rosa abstaining.

CFMC Discussion

The CFMC will next meet on May 20, 2010 at 7 pm. The agenda will feature discussion about the pedestrian bridge report.

Mr. McShane moved to adjourn, and the representatives unanimously agreed to adjourn at 8:40 PM.

4/15/2010

NYC DEP - CROTON FMC

Attachment 1

<u>Name</u>	<u>Organization / Company</u>	<u>Address</u>	<u>Phone</u>	<u>Fax</u>	<u>E-Mail</u>
Thomas Farrell	URS-MP Construction Management	3701 Jerome Avenue Bronx, NY 10467	(718) 696 2000	(718) 324 3034	thomas.farrell@shwgrp.com
Karen Argenti	Bronx Council on Environmental Quality	PO Box 346 NY 10471	(646) 529 1990		kabx101@gmail.com
Lynn Schwarz	FIPNA	3332 Giles Place NY 10463	(718) 543 2457		lsbx101@gmail.com
Kevin F. Johns	Amalgamated Houses/IUOE 15	3967 Sedgwick Ave #18A Bronx NY	(917) 202 0212		kevin19572@verizon.net
Hector Aponte	Bronx Parks Commissioner	1 Bronx River Parkway Bronx NY	(718) 430-1801	(718) 430-1818	hector.aponte@parks.nyc.gov
Martha Holstein	Strategic Urban Solutions, Inc.	335 Adams Street Brooklyn, NY 11201	(718) 625-1005 x. 223	(718) 625-1032	m.holstein@urbansol.com
Bernard Daly	DEP BEDC Project Manager	3701 Jerome Avenue Bronx, NY 10467	(718) 696-2000	(718) 324 3034	bdaly@dep.nyc.gov
Ilona Linins	Lehman College	250 Bedford Park Blvd. Bronx NY	(718) 960-8988		ilona.linins@lehman.edu
Robert Barnes	DEP Community Outreach Office - Croton	3660 Jerome Avenue Bronx, NY 10467	(718) 231-8470	(718) 231-8857	robertbar@dep.nyc.gov
Jessica Noon	Office of Bronx Borough President Ruben Diaz Jr	851 Grand Concourse Bronx NY 10451	(718) 590-3881	(718) 590-2698	jnoon@bronxbo.nyc.gov
Anne Marie Garti	Jerome Park Conservancy	3967 Sedgwick Avenue Bronx NY	(718) 601-1322; (718) 884-7864		annemarie@att.net
Carmen Rosa	District Manager, Community Board #12	4101 White Plains Road Bronx NY 10466	(646) 284 4973		cb12@optonline.net
Mark Lanaghan	Asst Comm, Intergov. Affairs DEP	59-17 Junction Blvd. Corona NY 11368	(718) 595-3519	(718) 595-3477	mlanaghan@dep.nyc.gov
Damian McShane	Chairman, Community Board #8	5676 Riverdale Ave Bronx NY 10471	(718) 884 3959		dmcshane@panyni.gov
Richard Barr	Bronx HS of Science Parents Association	203 W 86 Street York NY 10024	(212) 877 2694		richardedbarr@aol.com
Ed Neisch	URS-Malcolm Pirnie CM	3701 Jerome Avenue Bronx NY 10467	(718) 696 2000		eneisch@pirnie.com
Paul Foster	Chairman, Community Board #7	229a East 204th Street Bronx NY 10458	(718) 933 5650	(718) 324 3034	pfoster@optonline.net

Attachment 2

Agenda

Croton Facility Monitoring Committee Meeting

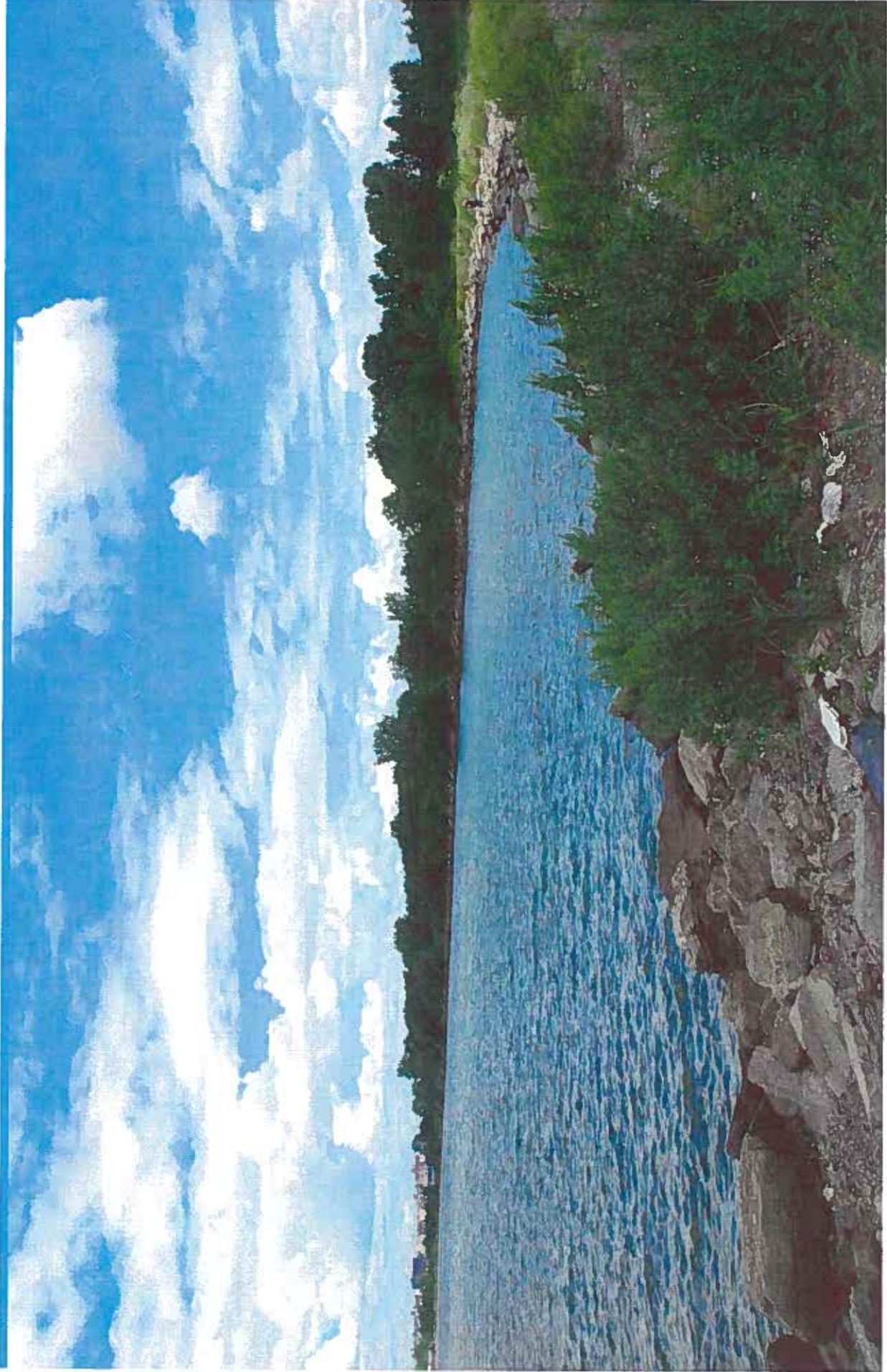
Thursday, April 15, 2010 – 7:00 PM

DEP Community Office, 3660 Jerome Avenue, Bronx NY 10467

- | | |
|---|---|
| I. Welcome | Damian McShane, Chairman |
| II. Update on Projects and Jobs,
Parks Department Croton Projects | Frank McCue, Parks Dept |
| III. Brief Update on Jobs & Purchases
Croton Contractors | Mark Lanaghan, DEP |
| IV. Construction Update and Look-ahead
Including Work in South Basin JPR | Bernard Daly, DEP |
| V. Distribute & Discuss Pedestrian Bridge,
Feasibility Draft Report | Mark Lanaghan, DEP
Hector Aponte, Parks Dept |
| VI. Consider, Adopt 3-18-10 Minutes | CFMC Principals |
| VII. CFMC Discussion, Set Next Meeting | CFMC Representatives |
| VIII. Adjourn | |

Upon the Chairman's recognition, the CFMC invites members of the public to ask questions and make comments throughout the meeting

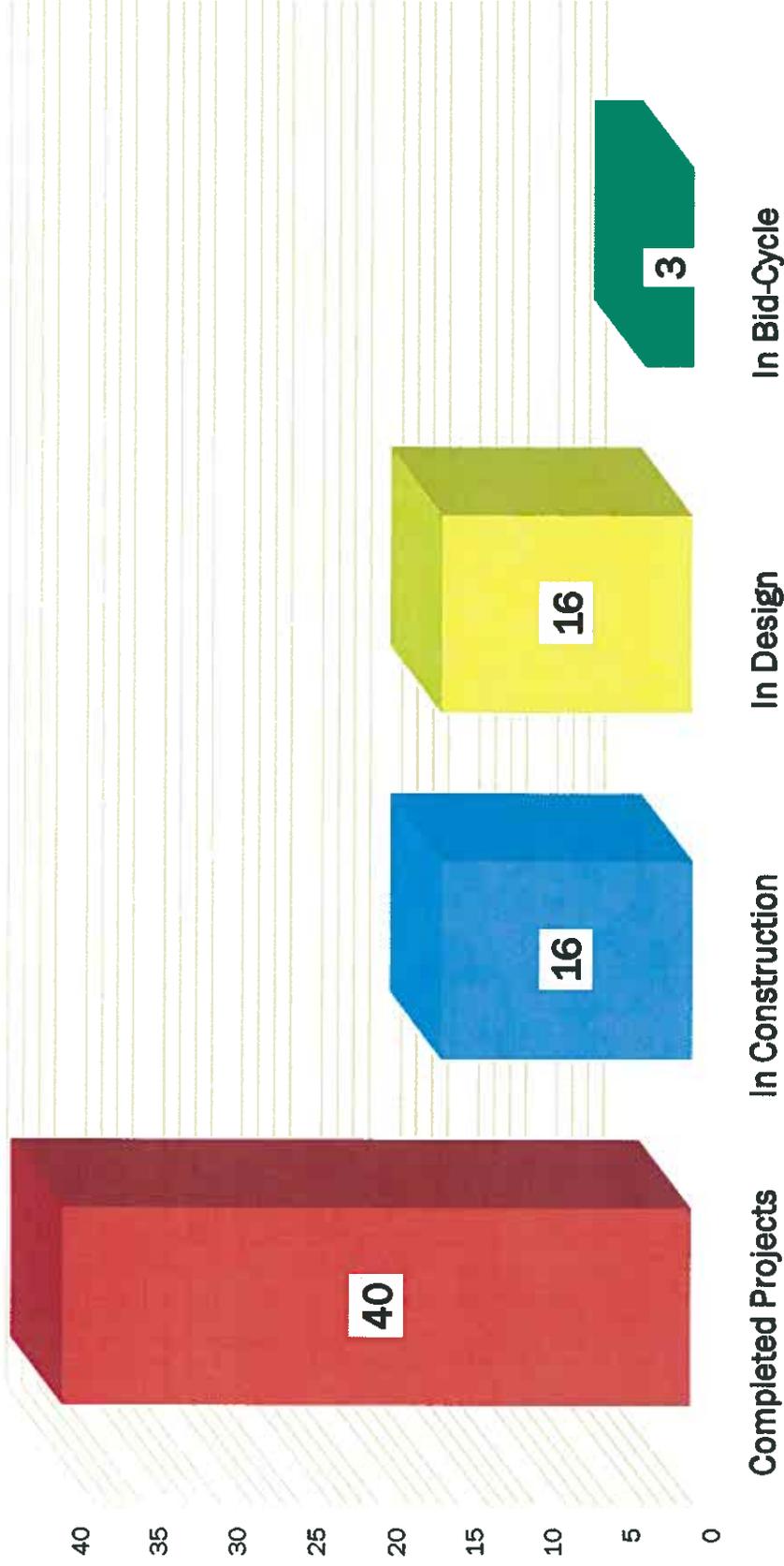
The Croton Program



THE CROTON PROGRAM CROTON PROJECTS

OVERVIEW:

Within the Croton Projects, we have completed forty (40) construction projects totaling \$80,326,511 and sixteen (16) more projects totaling \$52,791,953 currently in construction. There are sixteen (16) projects currently in design totaling \$61,757,869 and three (3) in procurement process totaling \$4,544,620.



CROTON PROJECTS “BEFORE & AFTER”

MANIDA BALLFIELD

Total Budget \$1,600,000

Accepted 5/23/08



AQUEDUCT LANDS PLGD.

Total Budget \$1,809,860

F.I. 6/26/08



Williamsbridge Oval Track and Field

Total Budget \$3,000,000 Accepted 11/24/08



MT. HOPE PLAYGROUND

Total Budget \$1,809,860

F.I. 6/27/08



STORY PLAYGROUND

Total Budget \$5,795,989

F.I. 6/28/08



BRONX SKATE PARK EAST (BALLFIELD BUNDLE)

Total Budget \$1,357,395

F.I. 11/5/09



SOUNDVIEW BALLFIELD (BALLFIELD BUNDLE)

Total Budget \$3,619,720

F.I. 11/5/09



TROJAN BALLFIELD (BALLFIELD BUNDLE)

Total Budget \$2,714,790

F.I. 11/5/09



ALLEN SHANDLER (BALLFIELD BUNDLE)

Total Budget \$2,714,790

F.I. 11/5/09



St. James Phase 3

Total Budget \$1,949,000

Accepted 9/19/08



St. James Phase 4

Total Budget \$3,000,000

Accepted 10/07/08



MELROSE PLAYGROUND

Total Budget \$1,357,395

F.I. 1/5/09



Crotona Park Indian Lake

Total Budget \$4,434,157

F.I. 6/19/09



Edenwald Playground

Total Budget \$1,809,860

F.I. 9/17/09



Campanaro Playground

Total Budget \$1,764,614

U.I. 8/28/09



Sedgwick Playground

Total Budget \$1,628,874

Accepted 9/16/09



Pugsley Creek Greenway

Total Budget \$2,714,790



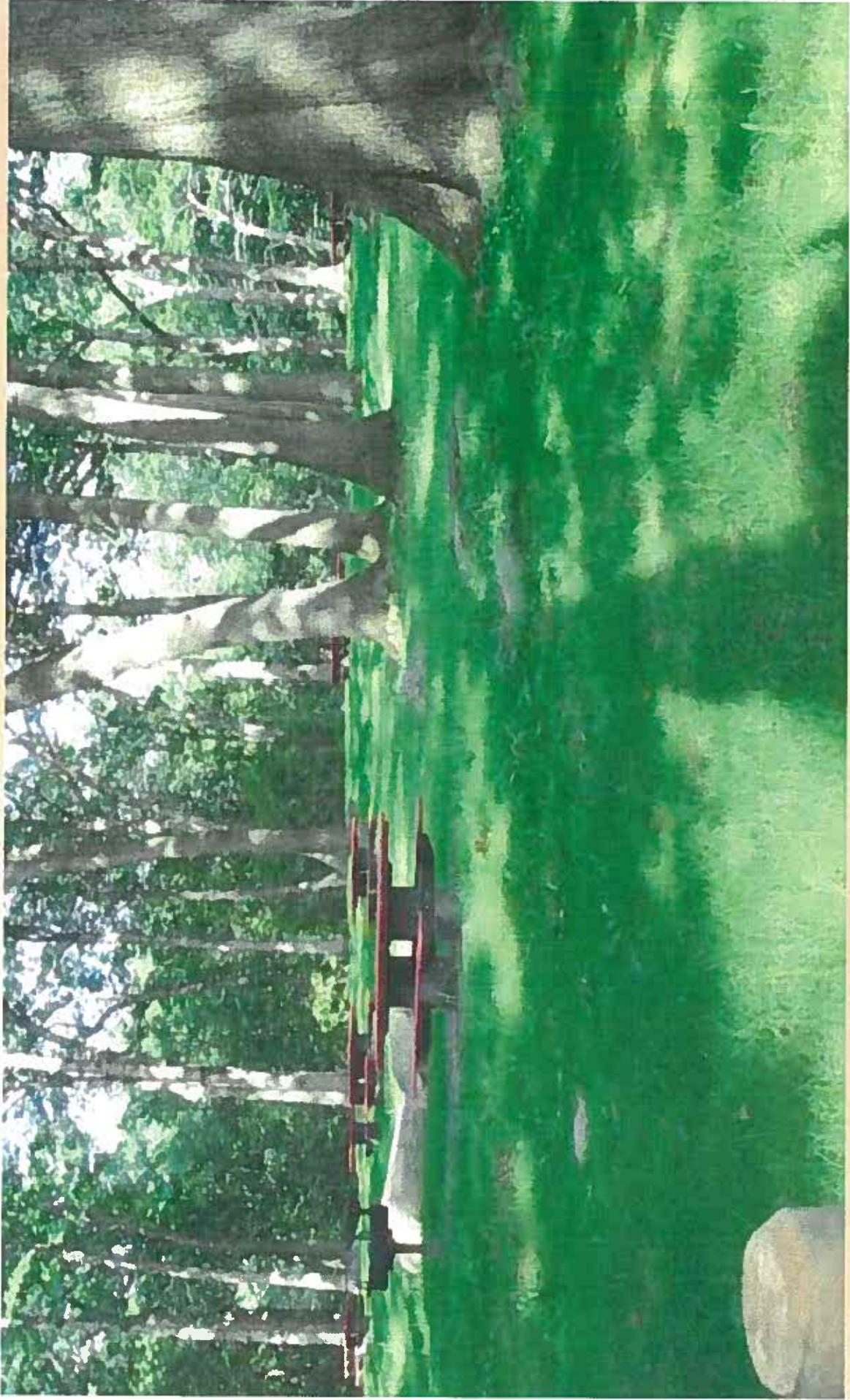
Grant Park Retaining Wall

Total Budget \$1,933,352

F.I. 10/13/09



VCP Allen Shandler Picnic Area
Total Budget \$840,292 **F.I. 9/29/09**



CROTON PROJECTS “IN-CONSTRUCTION”

Harris Park Ballfields

Total Budget \$8,922,610

Current Conditions



VCP Parade Grounds

Total Budget \$14,931,345

Current Conditions

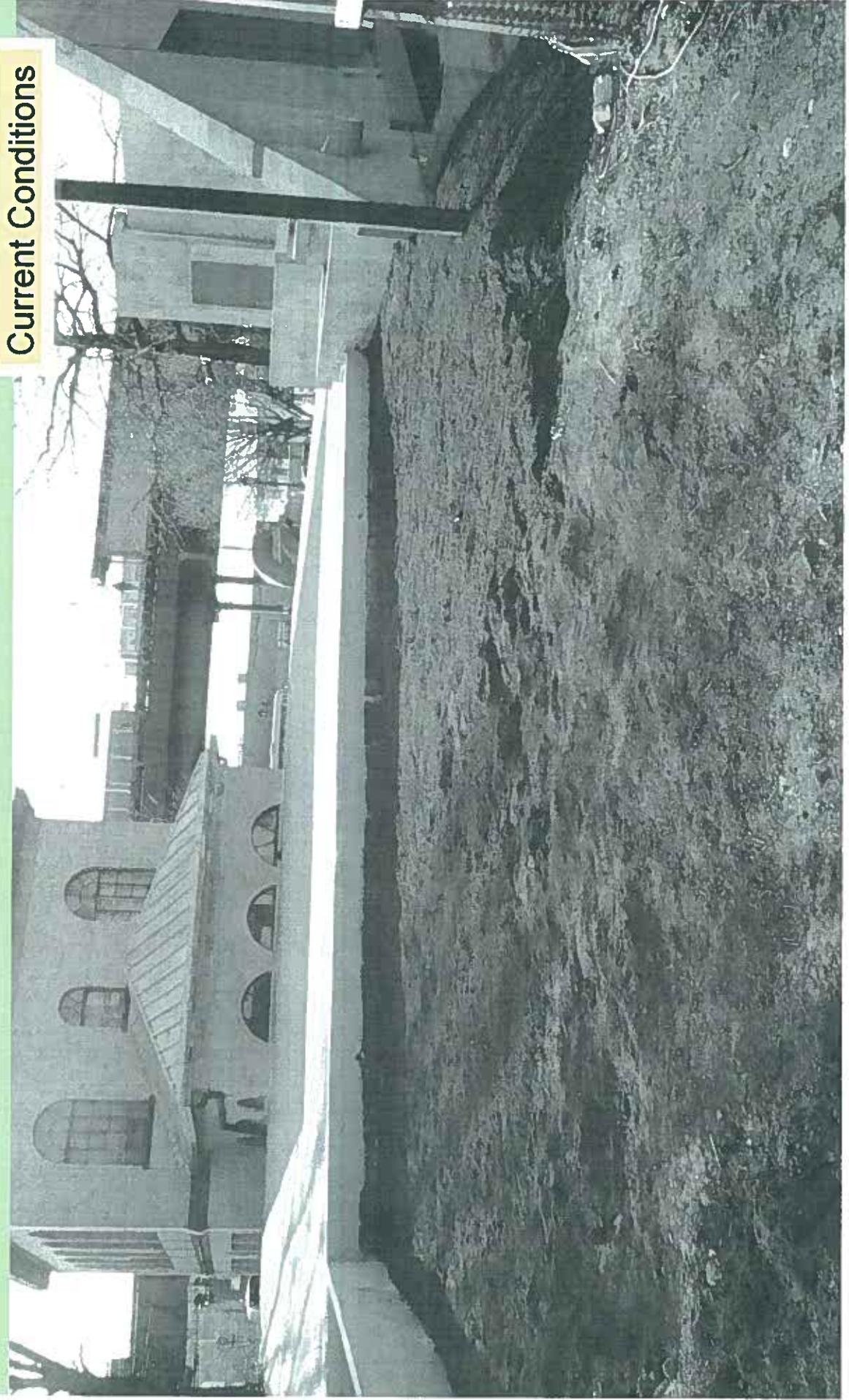


VCP Parade Ground Schematic



Owen Dolen Recreational Center

Total Budget \$904,930



Story Comfort Station

Total Budget \$810,000



Current Conditions

In-construction

Williamsbridge Oval Playground

Total Budget \$5,775,077

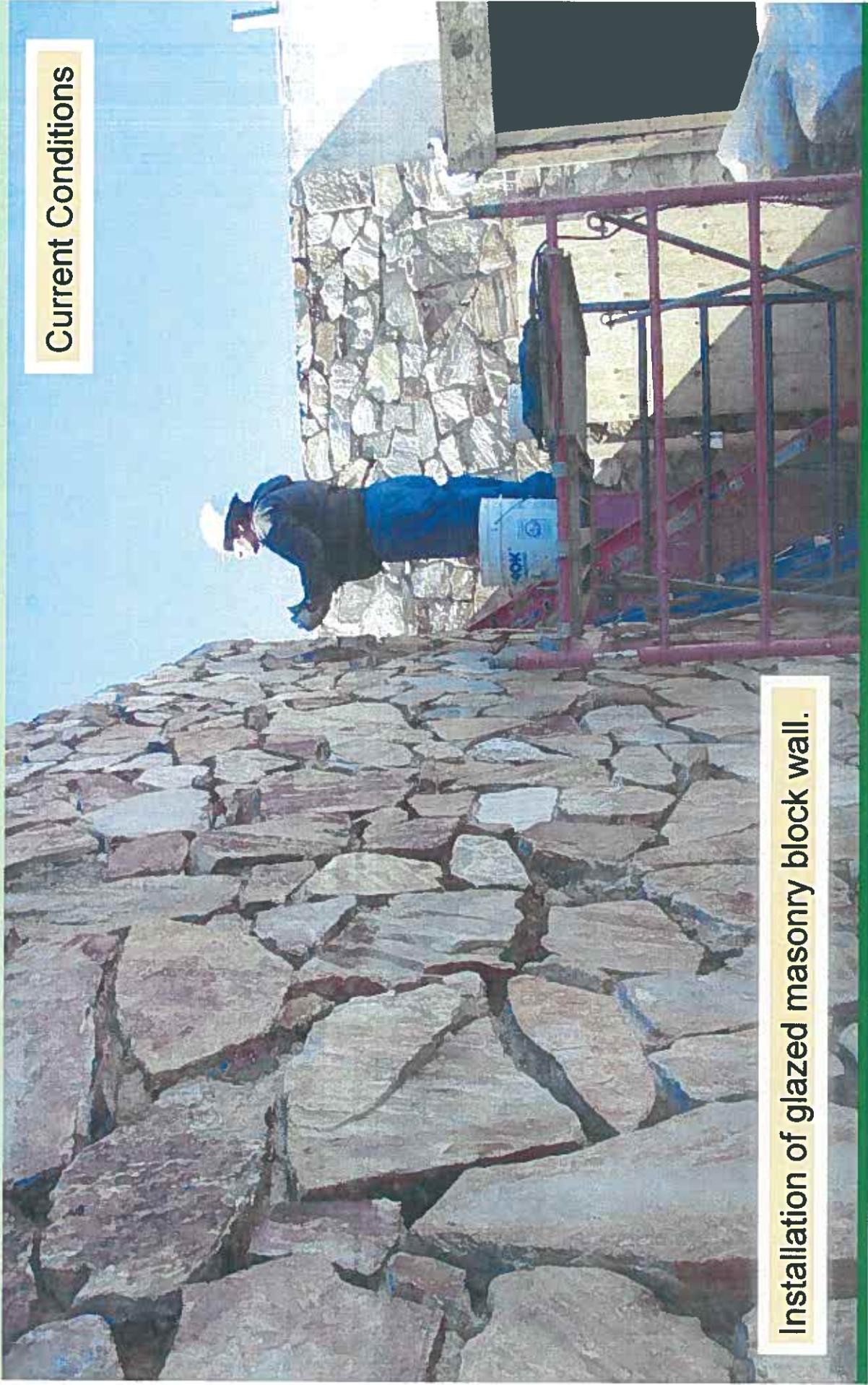


Current Conditions

Demolition work

Mullaly Skate Building

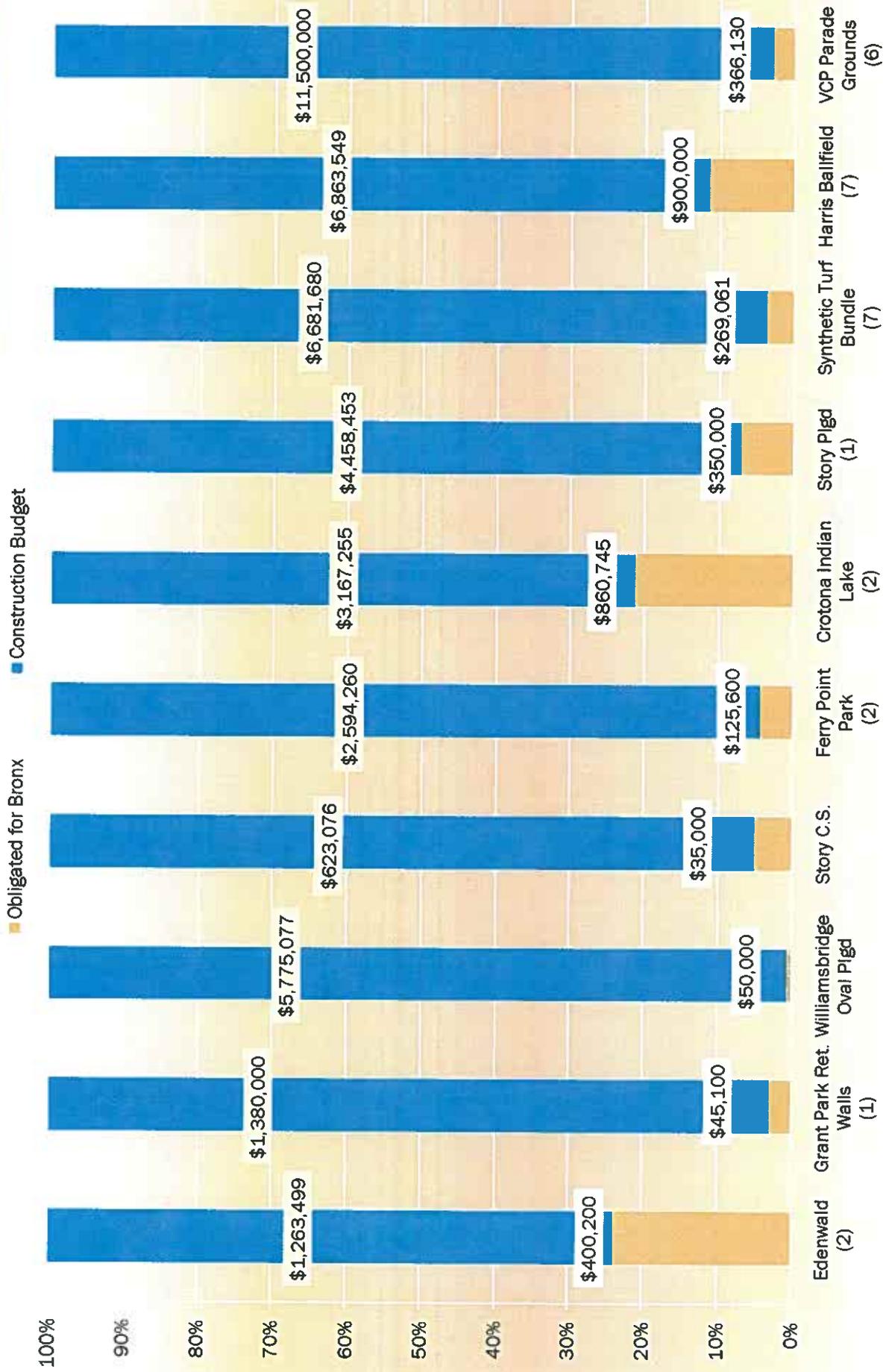
Total Budget \$5,700,000



Current Conditions

Installation of glazed masonry block wall.

Outreach Efforts

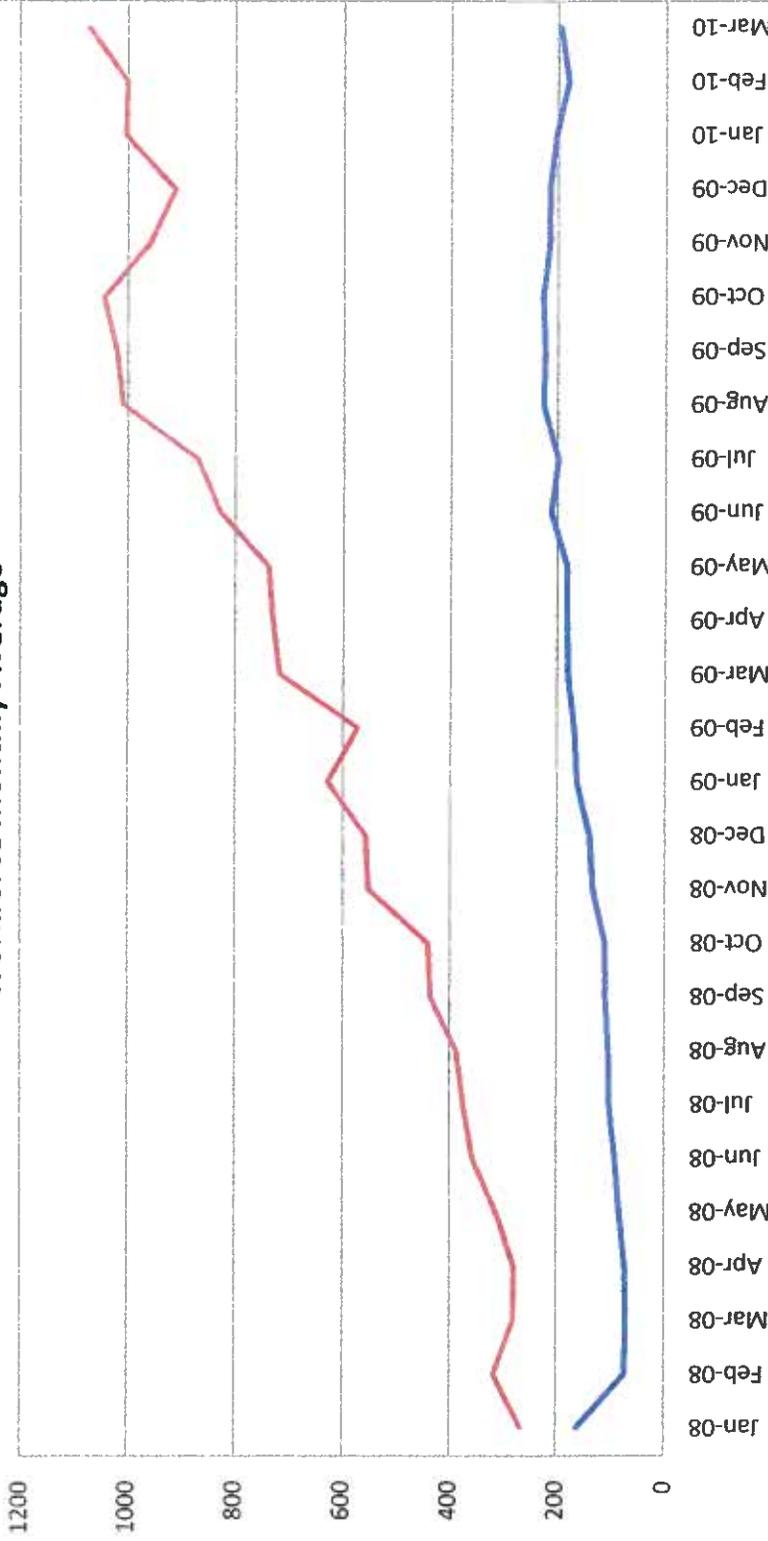


Project Name and # of Employees

Attachment 4

CROTON WATER TREATMENT PLANT

Workforce Monthly Average



	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	
Workers Bronx Workers	162	73	70	72	83	91	102	104	110	111	133	139	163	168	180	181	181	212	199	227	224	228	216	216	203	180	180	195
Workers Total Workers	266	317	280	278	312	356	374	387	436	441	553	558	629	573	718	730	738	827	869	1009	1021	1045	959	912	1004	1001	1073	
Bronx Workers %	61%	23%	25%	26%	27%	26%	27%	27%	25%	25%	24%	25%	26%	29%	25%	25%	25%	26%	23%	22%	22%	22%	23%	24%	20%	18%	18%	18%

Total Average Overall 23%

**NYC Department of Environmental Protection
Bureau of Engineering Design and Construction
Croton Water Treatment Plant - Jerome Park Reservoir
Contract CRO-312OS Regulatory Review Fact Sheet
April 15, 2010**

Function: The Ramp into the Jerome Park Reservoir's (JPR) South Basin is needed to safely and efficiently operate JPR facilities. The ramp will facilitate periodic maintenance needed for JPR, which is a critical component of New York City's water supply infrastructure.

Background: Off-Site Facilities that are part of the Croton Water Supply System require modification in order to integrate the Croton Water Treatment Plant (WTP) into the City's water supply system. Work includes renovations to some of the Gate Houses, as well as work within the JPR itself. As per a July 2000 Memorandum of Agreement (MOA) between the NYCDEP, the New York State Office of Parks, Recreation, and Historic Preservation (NYSOPRHP), and the State Historic Preservation Office (SHPO), modifications to extant structures must be assessed for potential impacts. Since the modification work was being conducted on city-owned land, the New York City Landmarks Preservation Commission (NYCLPC) and the New York City Public Design Commission (NYCPDC, formerly the New York City Art Commission) were consulted.

Agencies' Review: In 2004, the Croton WTP Final Supplemental Environmental Impact Statement (Croton WTP FSEIS) described potential historical and archaeological impacts associated with required JPR modifications. The South Basin Ramp was included in this evaluation.

In 2007, Historical Perspectives, Inc. (HPI, sub-consultant to the WTP Design Joint Venture) completed a series of Cultural Resource Assessments that evaluated potential impacts to the JPR and its Gate Houses. (The description of work for the Gate House No. 6 Phase 1A included discussion of, and a figure depicting, the proposed South Basin Ramp.) These Phase 1A reports were submitted to the NYSOPRHP in August 2007 as per the MOA, and to the NYCLPC for their review.

The South Basin Ramp did not need to be submitted to the NYCPDC for review because it will be a below-grade structure. The NYCPDC, then known as the NYC Art Commission, previously declined reviewing below-grade structures in the JPR when the dividing wall construction work was undertaken in 1987-1991. Therefore, the South Basin Ramp was not included in the NYCPDC review package.

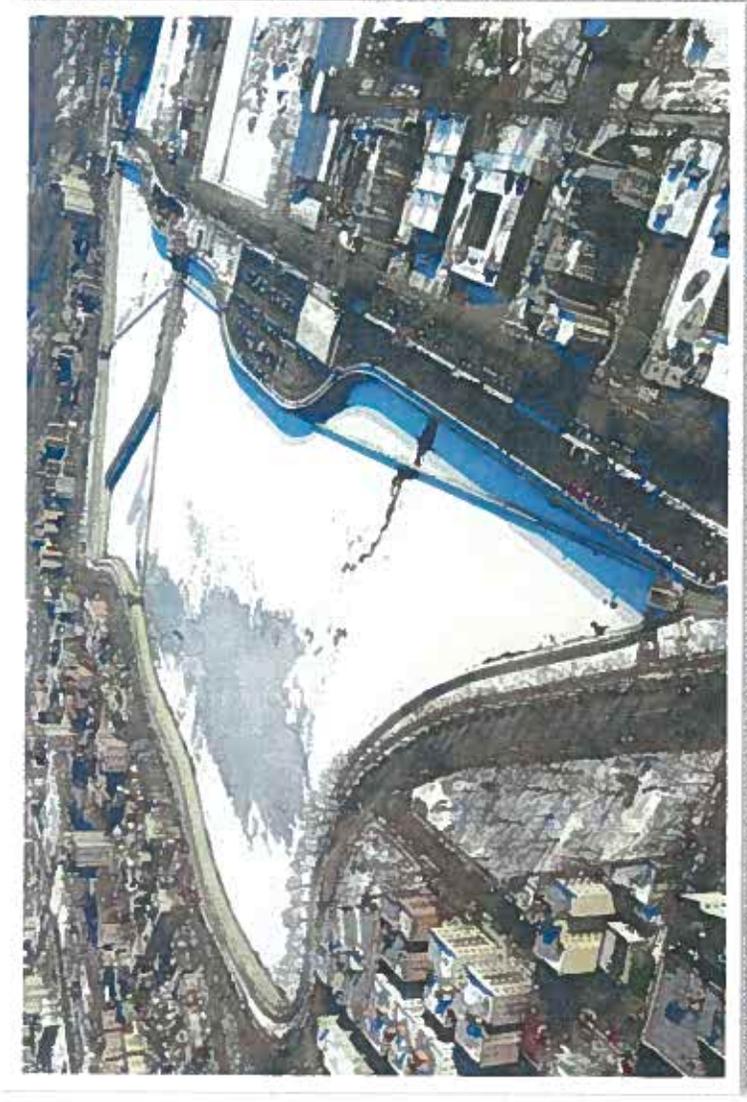
Agencies' Approval/Response: In September 2007, the NYSOPRHP approved all proposed work described in the Phase 1A submittals (CEQR No. 05DEP017X, NYSOPRHP, September 25, 2007). In addition, NYSOPRHP approved supplemental design information specific to the South Basin Ramp (SHPO #06PR02855, NYSOPRHP, April 12, 2010).

In October 2007, a follow up letter was sent to NYCLPC to ensure that all reports had been received, and to seek comments. No response was received. In December 2007, NYCLPC verbally communicated to the WTP Design Joint Venture that the JPR and its Gate Houses are not NYC Landmarks, and that SHPO/NYSOPRHP is the lead agency for review. In May 2008, NYCLPC further upheld its position in response to the CRO-334 Phase 1A for work being completed for the New Croton Aqueduct (NCA) Rehabilitation project, by responding that they defer to SHPO regarding NR listed and NR Eligible properties (04DEP134X, NYCLPC, May 7, 2008), which is the case for the NCA and the JPR complex.

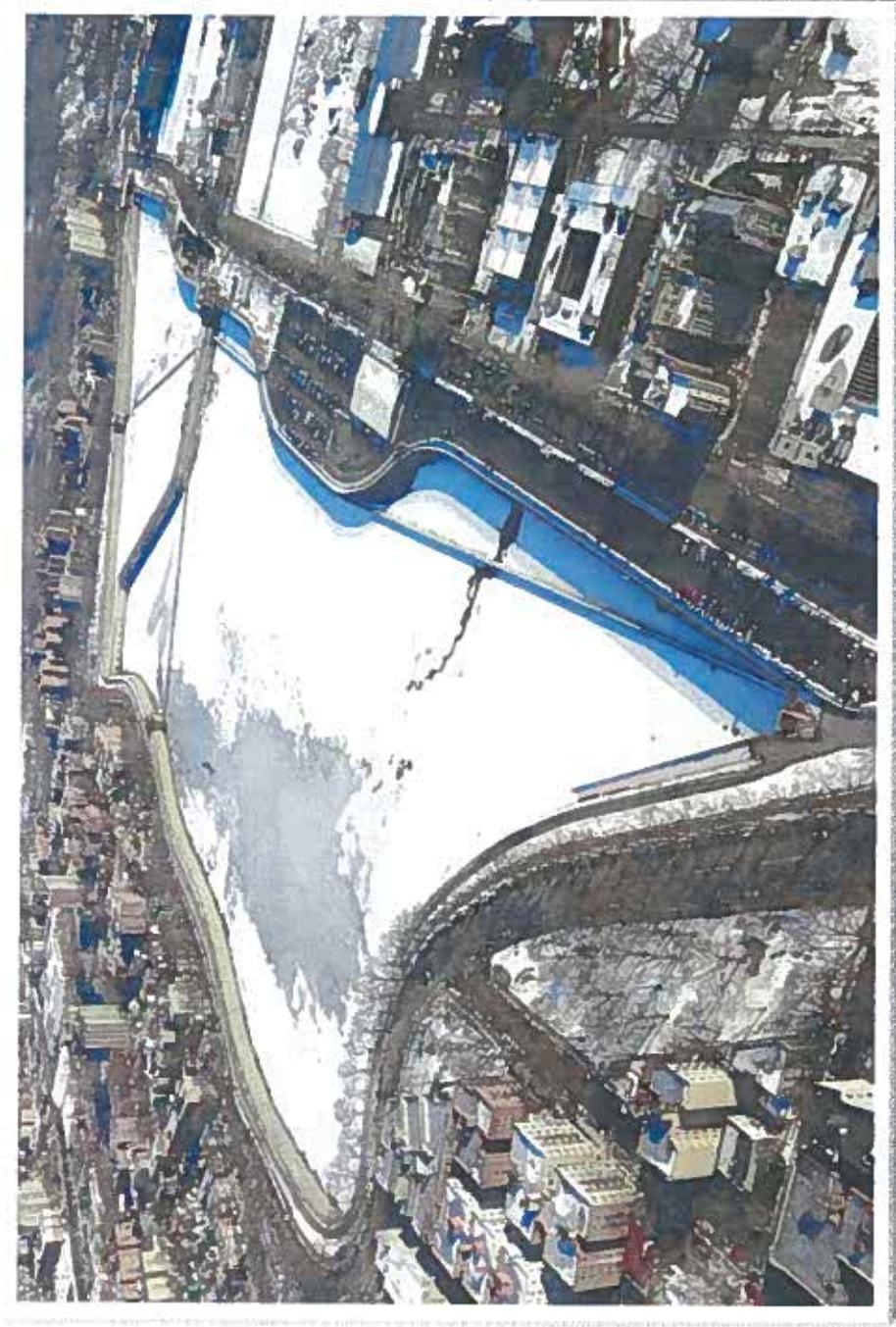
The NYCPDC approved all work at the JPR Gate Houses in 2009 (Certificate 23690, NYCPDC, October 5, 2009).



Environmental Protection



Croton WTP JPR – South Basin Ramp



Croton WTP JPR – South Basin Ramp



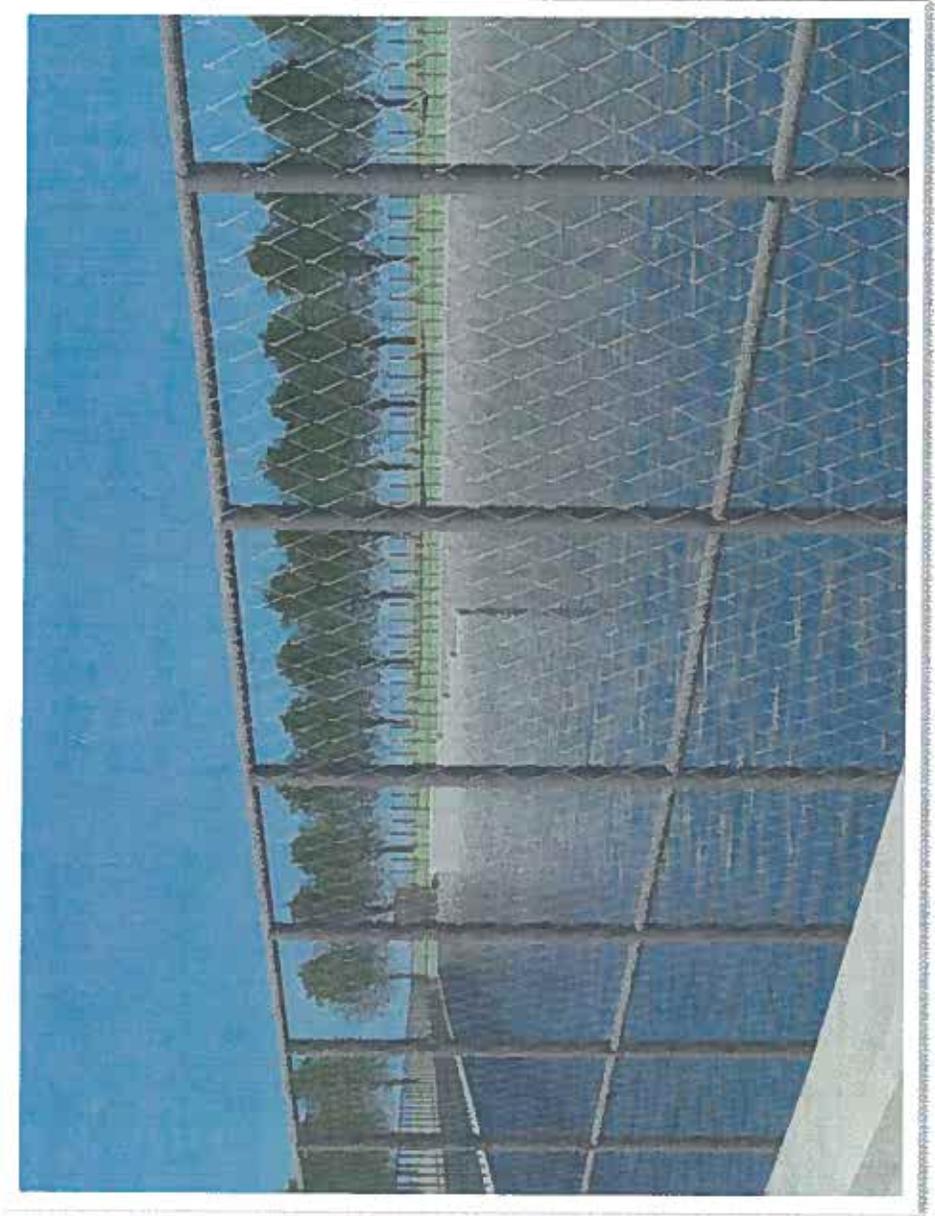
South Basin Ramp – Looking North From JPR South Entrance Gate

Croton WTP JPR – South Basin Ramp



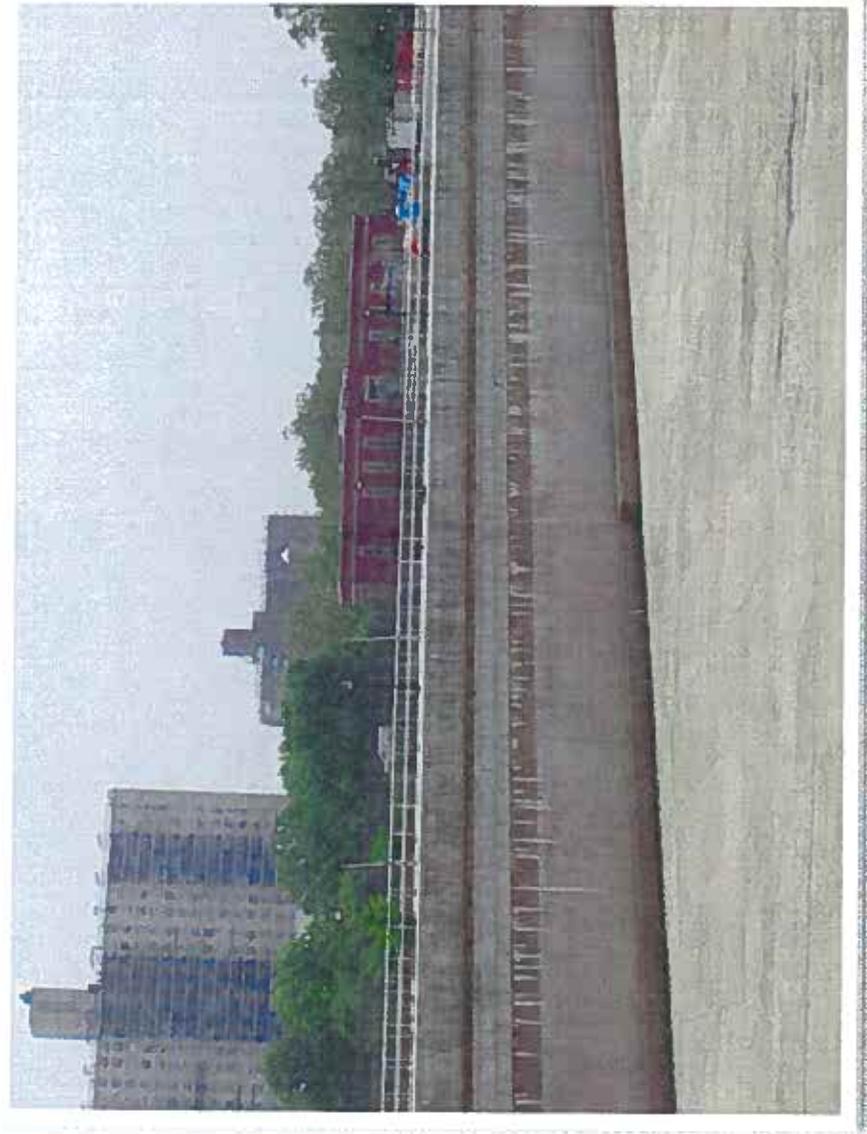
South Basin Ramp – Looking North From JPR South Entrance Gate
(Microstrainer Building Demolished)

Croton WTP JPR – South Basin Ramp



South Basin Ramp - Looking Southwest From Lehman College Parking Lot

Croton WTP JPR – South Basin Ramp



Dividing Wall – Stone veneer, similar to stone to be used on exposed Ramp wall above
low-water line



**New York State Office of Parks,
Recreation and Historic Preservation**

Historic Preservation Field Services Bureau • Peebles Island, PO Box 189, Waterford, New York 12188-0189
518-237-8643
www.nysparks.com

David A. Paterson
Governor

Carol Ash
Commissioner

April 12, 2010

Faline Schneiderman-Fox
Vice President
Historical Perspectives, Inc.
P.O. Box 3037
Westport, Connecticut 06880

Re: EPA/NYCDEP CRO-3120S
Jerome Park Reservoir
South Ramp
B/Bronx, Bronx County
SHPO #06PR02855

Dear Ms. Schneiderman-Fox:

Thank you for your letter of April 8th, by which you submitted detailed plans and photographs in clarification of the proposed construction of vehicle access ramp at the southern end of the Jerome Park Reservoir. The State Historic Preservation Office (SHPO) has reviewed these supplemental documents in accordance with the Memorandum of Agreement governing work at the Jerome Park facility and provides the following comment.

The SHPO recognizes the need to provide access by vehicles and personnel to the interior of the Jerome Park Reservoir south basin for the continued operation and maintenance of this vital component of the New York City water system.

Our concern is that the ramp installation be designed to minimize damage to the reservoir walls and to be, in theory, reversible. Based on the additional information you have provided, these goals have been met and we can support the ramp installation as proposed. We note that the areas of the inner reservoir walls that will be obscured by the ramp are of uncoursed fieldstone and not the ashlar masonry found elsewhere above the water line and on the reservoir's exterior. In addition, the detailed drawings show that care has been taken to avoid attachments to the historic masonry wall and to isolate the poured concrete road surface from the reservoir wall by an expansion joint.

If you have any questions regarding this review, please call me at (518) 237-8643, extension 3283 or email me at james.warren@oprhp.state.ny.us.

Sincerely,

James Warren
Historic Sites Restoration Coordinator

copy: Paul Smith, P.E., NYCDEP

HISTORICAL PERSPECTIVES INC.



James Warren
NYS Office of Parks, Recreation and Historic Preservation
Peebles Island State Park
P. O. Box 189
Waterford, NY 12188-0189

April 8, 2010

Re: Jerome Park Reservoir, South Basin Ramp
Response to NYSOPRHP Correspondence, March 31, 2010

Dear Mr. Warren:

This letter is in response to your e-mail of March 31, 2010, regarding the South Basin Ramp at the Jerome Park Reservoir (JPR). The following information is meant to clarify the proposed function of the ramp, its construction, and its visibility from the surrounding public viewscape.

The ramp into the JPR's South Basin is needed to efficiently operate JPR and the related water supply facilities by New York City Department of Environmental Protection's (DEP) Bureau of Water and Sewer Operations (BWSO). The South Basin Ramp will provide a safe means for workers and equipment to enter and exit the basin, similar to the North Basin Ramp reconstructed in the 1960s. The ramp will facilitate periodic maintenance needed for JPR, which is a critical component of New York City's water supply infrastructure. In addition, the ramp is needed to assist in emergency egress by DEP personnel, if necessary. For cost effective construction purposes, the construction has been scheduled as part of CRO-312OS.

The South Basin Ramp work will begin by constructing a new free standing wall with its foundation parallel to the existing stonework JPR wall (Drawings OC-8602, OS-8601 and OS-8602). The foundation for the free standing wall will require removal of a portion of the existing concrete JPR floor, which will be replaced after the foundation is completed. This wall will be constructed with reinforced concrete and will have an ashlar stone veneer rock face on the portions that are above the low-water line. Also, this new wall will not tie into the existing stonework wall (Drawing OS-8605). The height of the retaining wall will be progressively lower as to create the ramp as it connects to the base of the Reservoir floor (Drawings OS-8602 and OS-8605). Once the free standing wall is completed, gravel will be placed and compacted in the space between the free standing wall and the existing stonework wall (Drawing OS-8602, OS-8603, and OS-8604). The design calls for careful consideration and protection of the existing stonework to ensure that the existing JPR wall is not damaged. When the gravel fill is compacted and complete, a 12" concrete road surface will be laid on top, with 1" expansion joints between the concrete and both the free standing wall and the existing stone wall (Drawing OS-8603). The use of expansion joints ensures that the ramp will have no physical impact to the existing wall. Furthermore, since the new ramp has no permanent attachments to the JPR wall, it could be removed in the future with no lasting consequence, although currently DEP has no plans to do so.

P.O. Box 3037 • Westport • Connecticut • 06880

Attached are several photographs of the JPR wall where the ramp will be placed (see Plates 1-4 and Photograph Key). The photograph in Plate 1 was taken in March of 1990, and shows the encased 48-inch water main in the South Basin passing through the wall at the south end of the JPR (to left). Several holes exist in the eastern wall to accommodate two 42" intake pipes for the Microstrainer building (to be demolished) (Plates 1 and 2). These holes will be plugged. The photographs also show that the stonework on the interior eastern wall is not coursed ashlar, as it is in some locations in JPR, but is instead random uncoursed rubble stone (Plates 1-4). As presented, the new outer retaining wall for the access ramp is similar in design to the stone-veneer used in the JPR dividing wall (Plates 5 and 6).

The new South Basin Ramp will extend into the South Basin and will be only minimally visible from the surrounding street-level viewscape and no more visible than the existing dividing wall within the Reservoir. From Lehman College parking lot to the east, and from 179th Street to the south, only the top of the new ramp will be visible adjacent to Gate House No. 6 (Plate 6 – Note, this photograph was taken from inside the JPR property as portrayed on the Photograph Key, rather than from the public viewscape). A small section of the top of the ramp will also be visible from Reservoir Avenue to the southwest (Plate 7). The large majority of the ramp will be obscured and hidden from public view once JPR is refilled with water and operational. JPR may be activated late next year when the Delaware Aqueduct is removed from service. Otherwise, it will be refilled in 2012 before the Croton Water Treatment Plant is placed on-line.

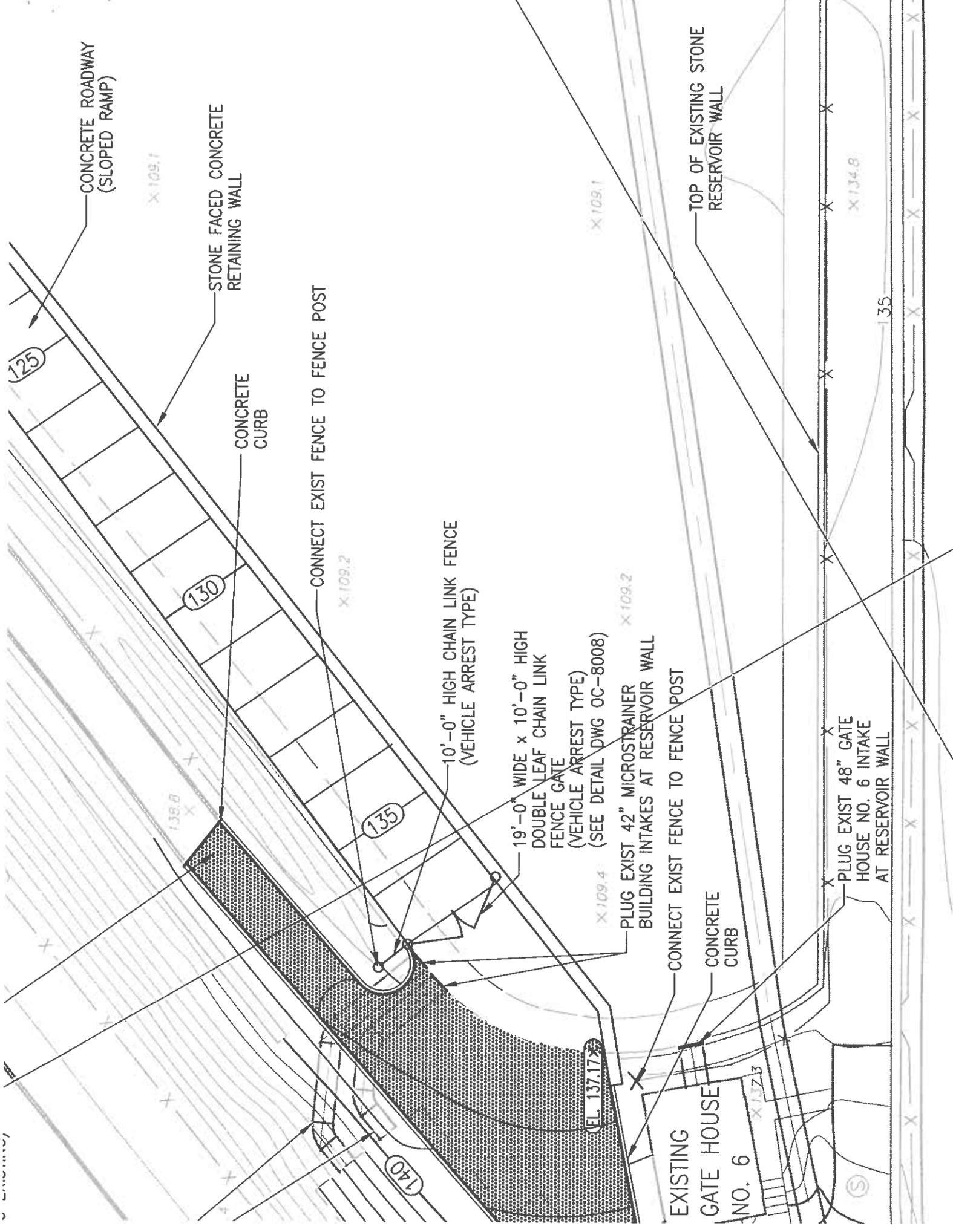
We hope that this information proves adequate to explain the need for and the construction of the ramp, and that you will be able to review the materials and provide comments prior to a public Croton Facility Monitoring Committee Meeting scheduled for Thursday, April 15. If you have further questions, please do not hesitate to be in touch.

Sincerely,

Faline Schneiderman-Fox
Vice President, HPI

Enc.

Cc: Arne Fareth, NYCDEP
Bernard Daly, NYCDEP
Francis Lo, NYCDEP
Alan Natter, JV/H&S
Robert Jarnis, JV/AECOM
Harry Wackett, JV/AECOM
Sunil Chauhan, JV/AECOM
Erin Guire, JV/AECOM
Cece Saunders, HPI



CONCRETE ROADWAY (SLOPED RAMP)

X 109.7

STONE FACED CONCRETE RETAINING WALL

CONCRETE CURB

CONNECT EXIST FENCE TO FENCE POST

X 109.2

10'-0" HIGH CHAIN LINK FENCE (VEHICLE ARREST TYPE)

19'-0" WIDE x 10'-0" HIGH DOUBLE LEAF CHAIN LINK FENCE GATE (VEHICLE ARREST TYPE) (SEE DETAIL DWG OC-8008)

X 109.2

PLUG EXIST 42" MICROSTRAINER BUILDING INTAKES AT RESERVOIR WALL

X 109.4

CONNECT EXIST FENCE TO FENCE POST

CONCRETE CURB

TOP OF EXISTING STONE RESERVOIR WALL

X 109.1

X 134.8

135

PLUG EXIST 48" GATE HOUSE NO. 6 INTAKE AT RESERVOIR WALL

X 137.3

EXISTING GATE HOUSE NO. 6

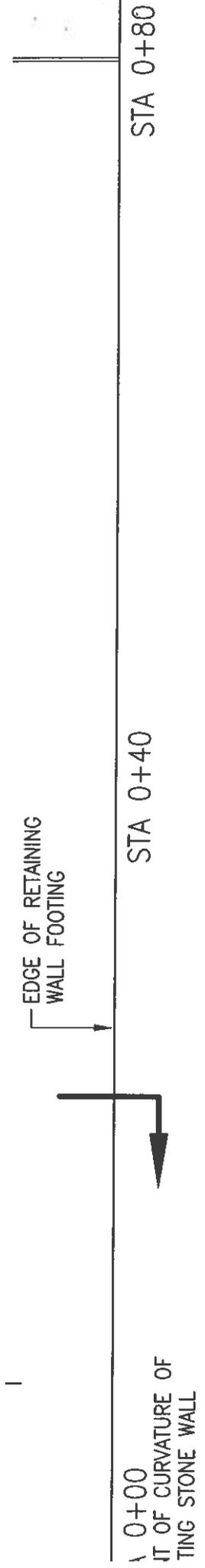
(EL. 137.17)

(140)

138.8

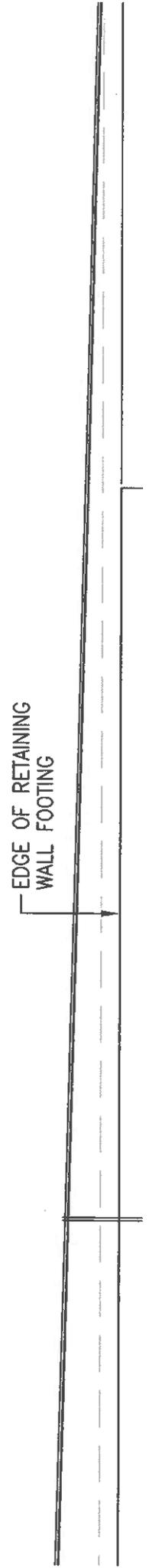
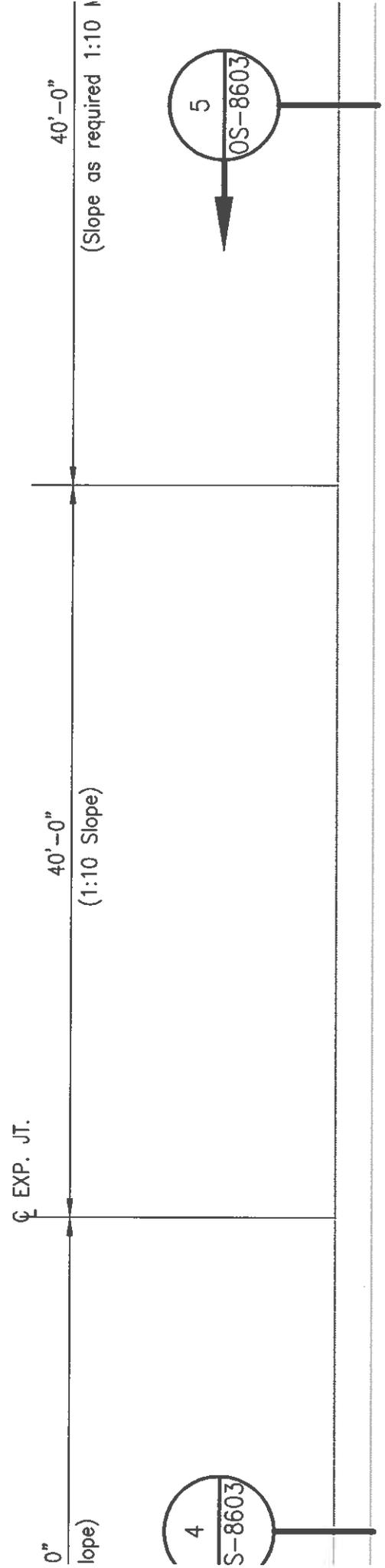
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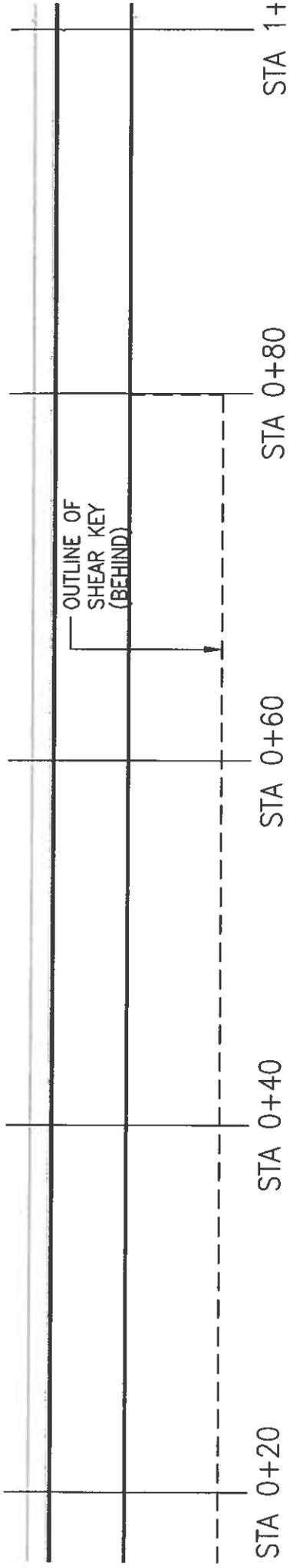
(125)



PARTIAL PLAN AT TOP OF EXISTING RESERVOIR WALL

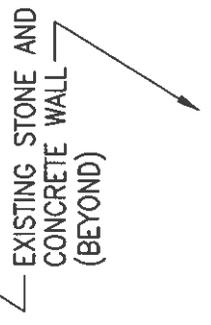
SCALE: 1/8" = 1'-0"





SECTION
 SCALE: 1/8" = 1'-0"
 1
 OS-8601

TOP OF EXISTING RESERVOIR CAP STONE EL 137.50±



INSTALL NEW 10" THICK CONCRETE SLAB TO MATCH ELEVATION OF EXISTING SLAB, REINFORCE #5@12" IN SINGLE LAYER (TYP)

COMPACTED GRAVEL FILL

TOP OF FOOTING
EL. 108.00

BOTTOM OF FOOTING
EL. 104.00

EXISTING CONCRETE

NEW CONCRETE

1" EXP. JOINT

LEVEL SURFACE WITH EPOXY MORTAR

9" SPLIT MULTI-RIB TYPE WATERSTOP W/1" CENTER BULB

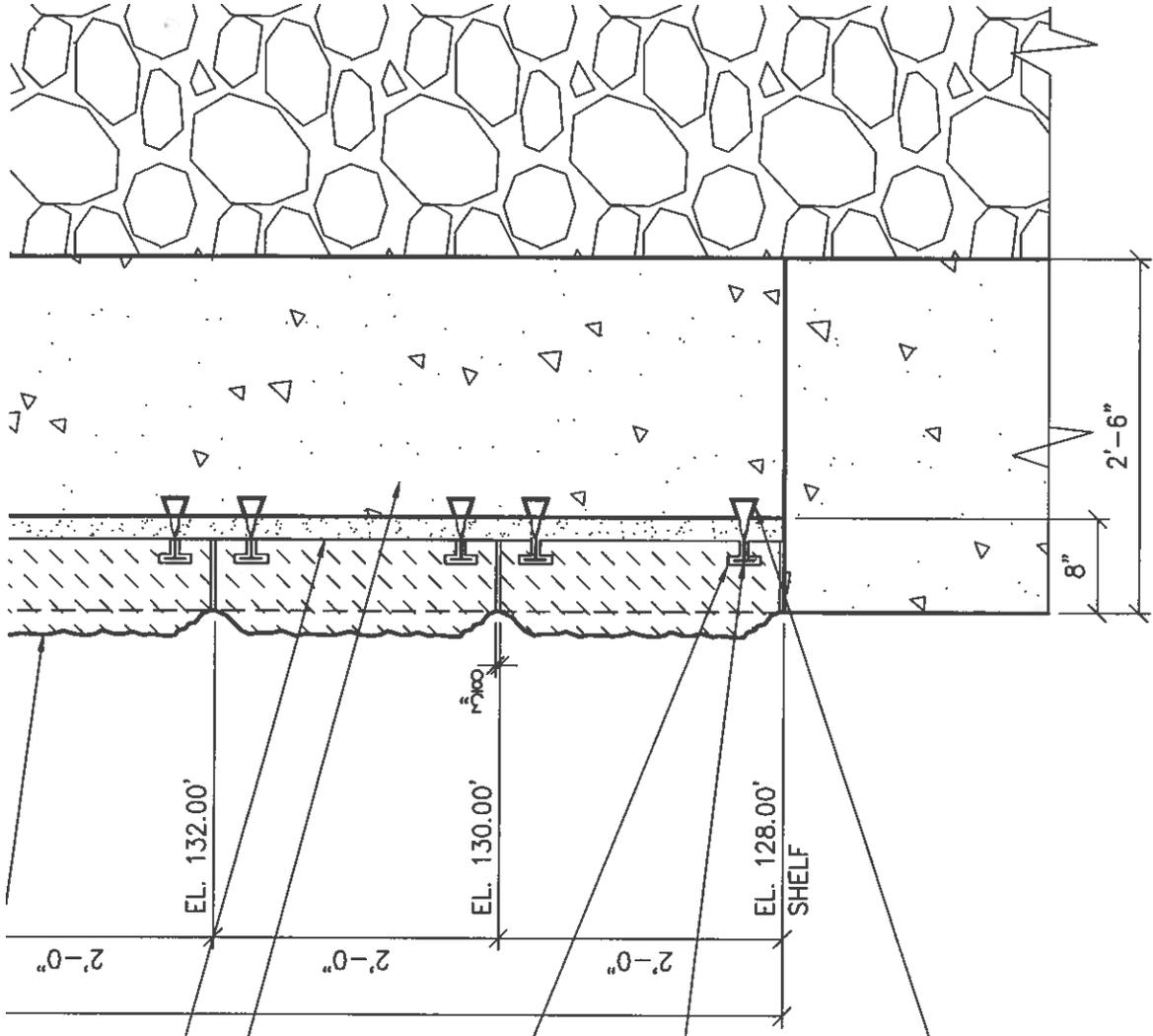
1/4" X 2" CONT. BAR TYP. EACH ROW

9"
4 1/2"
2 1/4"
2 1/4"

3/8" Ø CONCRETE ANCHORS @ 8" O.C. STAGGER ROWS

SECTION
SCALE: 1/4" =

WATERSTOP
) EXISTING
3-3.26.1)



FILL ALL VOIDS SOLID WITH
DRY PACK MORTAR

CONCRETE WALL

4" LONG SLOT IN STONE TYPICAL

2" WIDE x 1/8" THICK TYPE
304 SST DOVETAIL ANCHOR
(4 PER STONE) TYPICAL

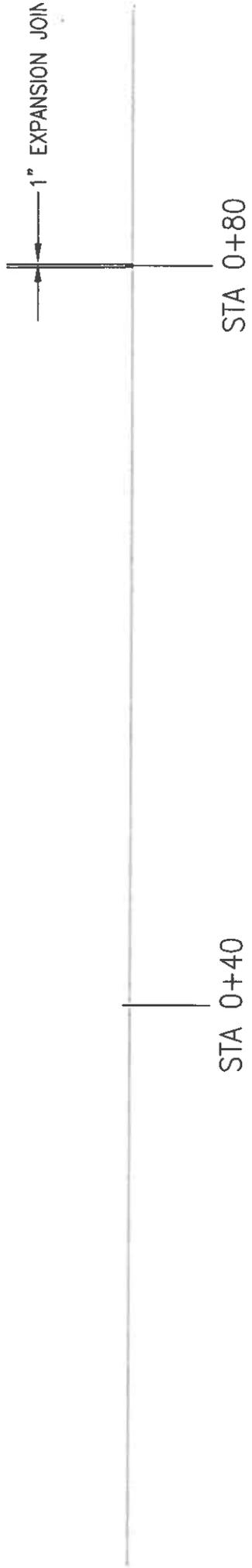
CONTINUOUS HORIZONTAL 2"
WIDE x 1 1/2" DEEP 16 GAUGE
TYPE 304 SST DOVETAIL SLOT
TYPICAL

STONE VENEER SECTION

SCALE: 3/4" = 1'-0"

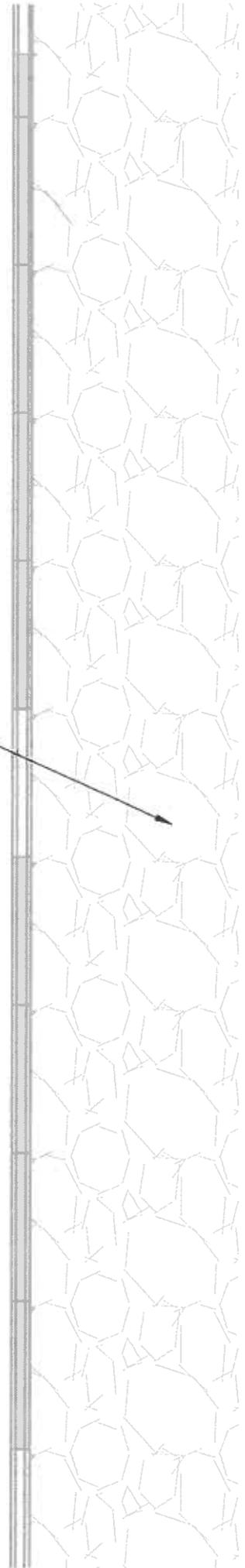
TOP OF FOOTING
EL. 108.00

#9@4" TOP

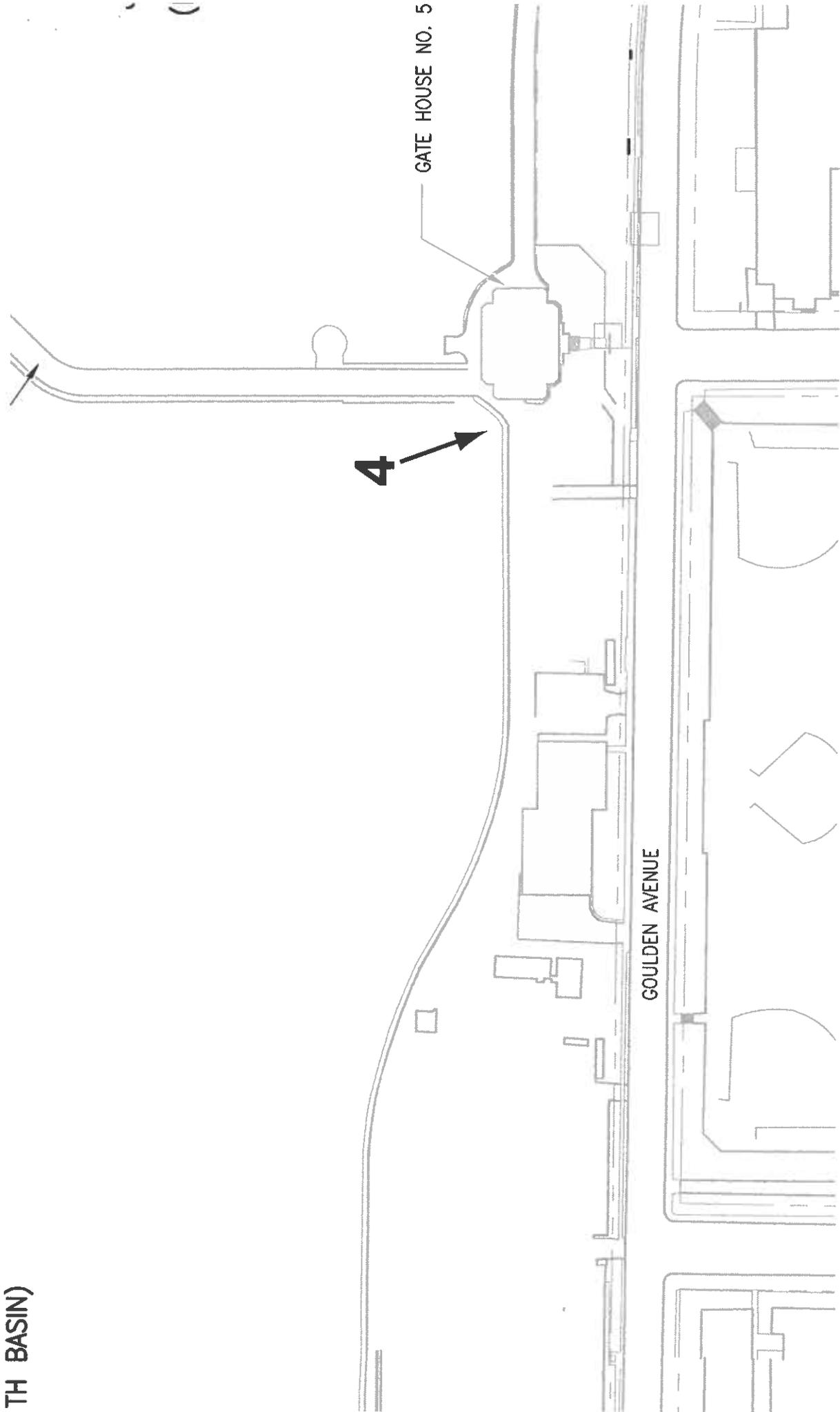


NORTH ELEVATION
SCALE: 1/8" = 1'-0"

EXISTING STONE AND MASONRY WALL



TH BASIN)



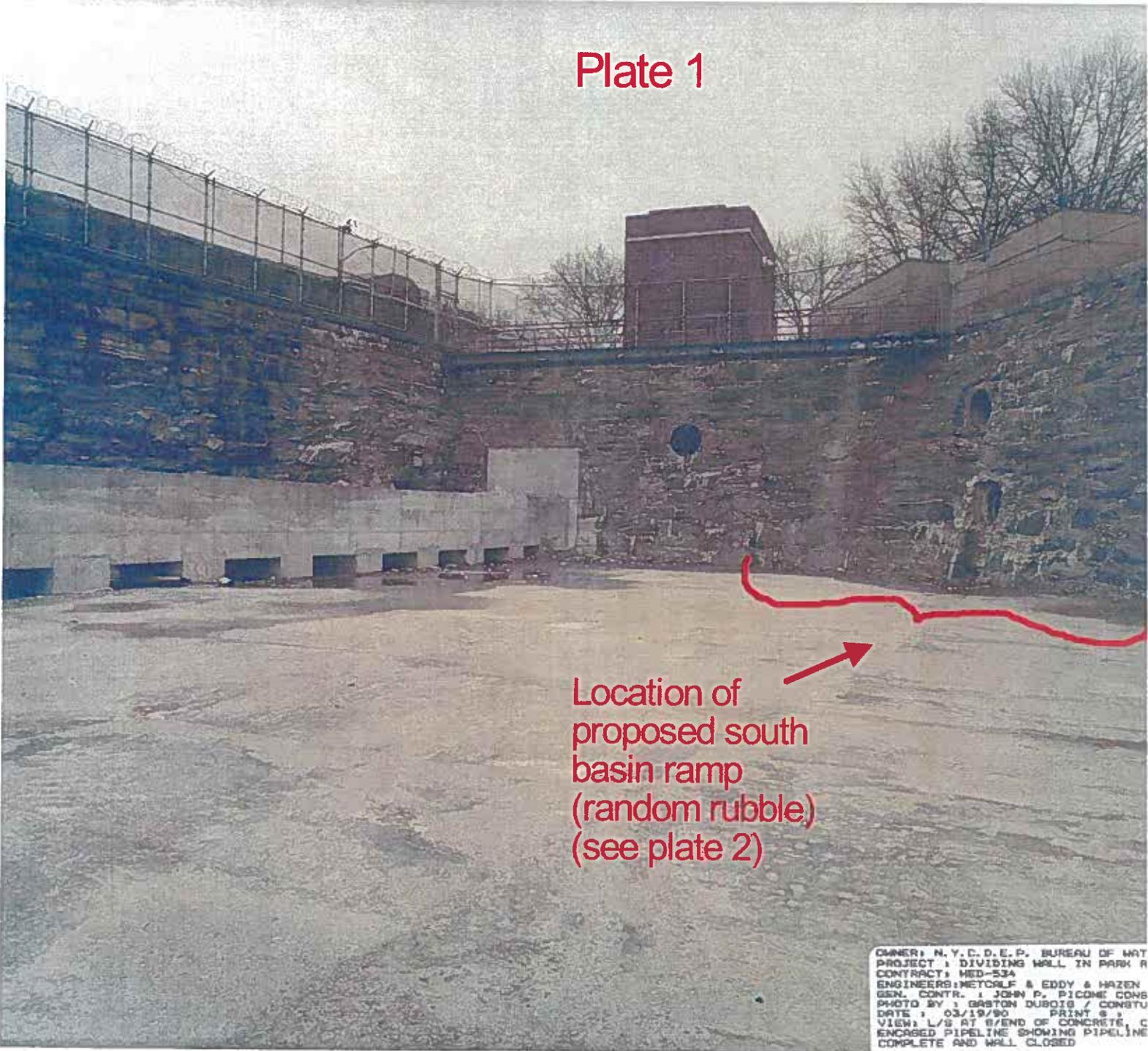
4

GATE HOUSE NO. 5

GOULDEN AVENUE

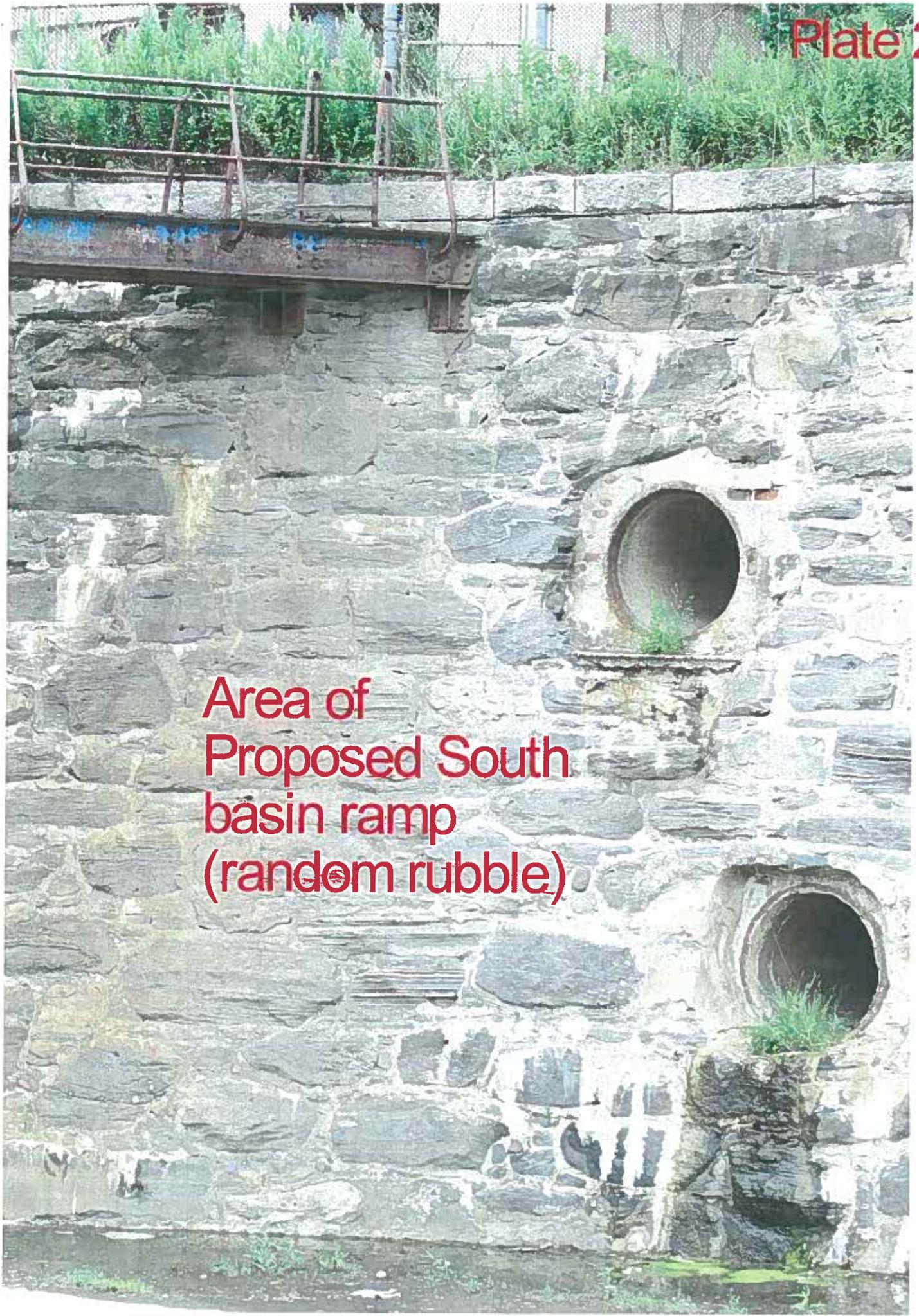
JEROME PARK RESERVOIR PLAN

Plate 1

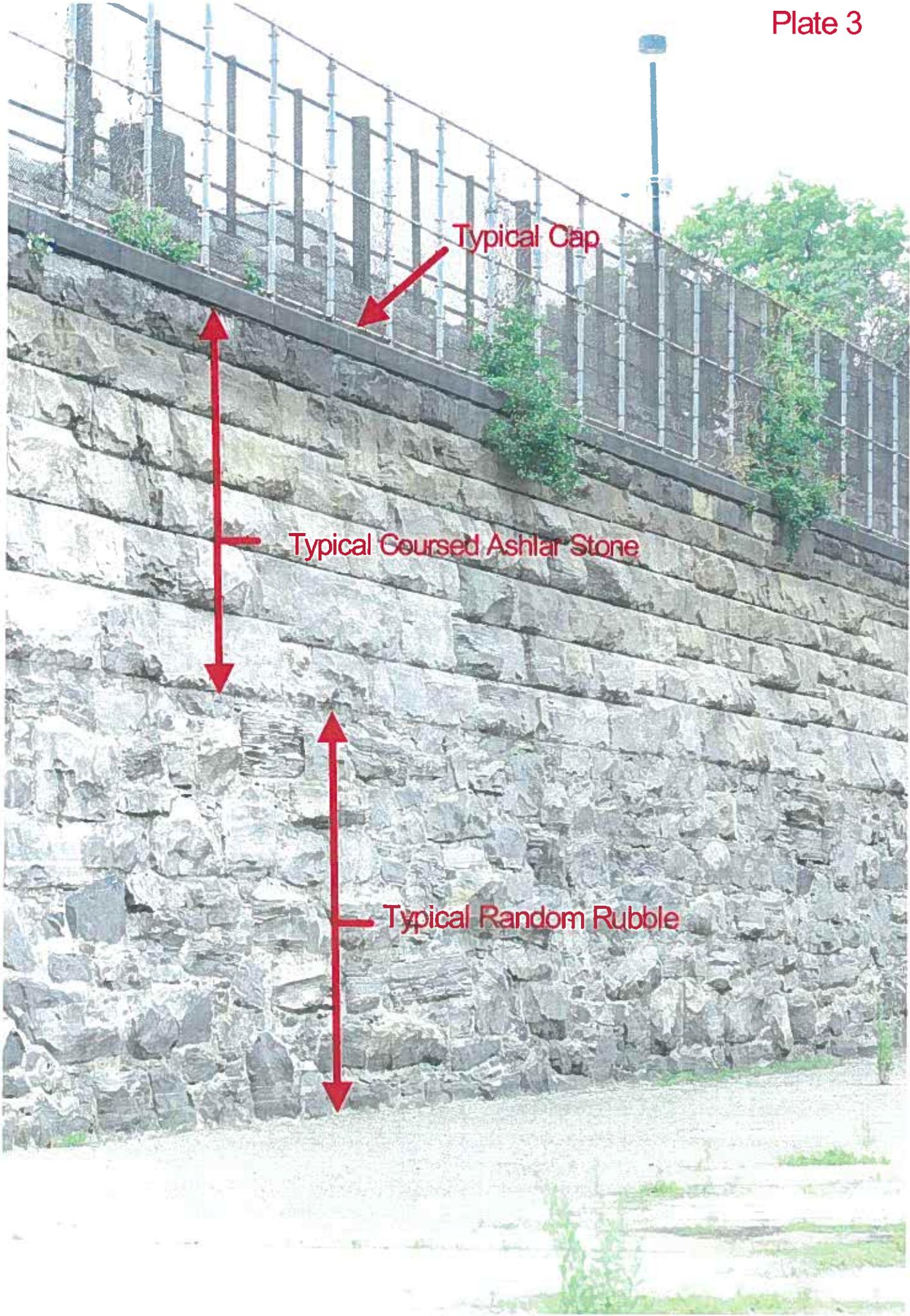


Location of
proposed south
basin ramp
(random rubble)
(see plate 2)

OWNER: N. Y. C. D. E. P. BUREAU OF WAY
PROJECT: DIVIDING WALL IN PARK A
CONTRACT: MED-53A
ENGINEERS: METCALF & EDDY & HAZEN
GEN. CONTR.: JOHN P. PICONE CONG
PHOTO BY: GASTON DUBOIS / CONSTU
DATE: 03/19/90 PRINT 6
VIEW: L/S AT E/END OF CONCRETE, C
ENCLOSED PIPELINE SHOWING PIPELINE
COMPLETE AND WALL CLOSED



Area of
Proposed South
basin ramp
(random rubble)



Typical Cap

Typical Coursed Ashlar Stone

Typical Random Rubble

Typical Cap

Typical Coursed Ashlar Stone

Typical Random Rubble

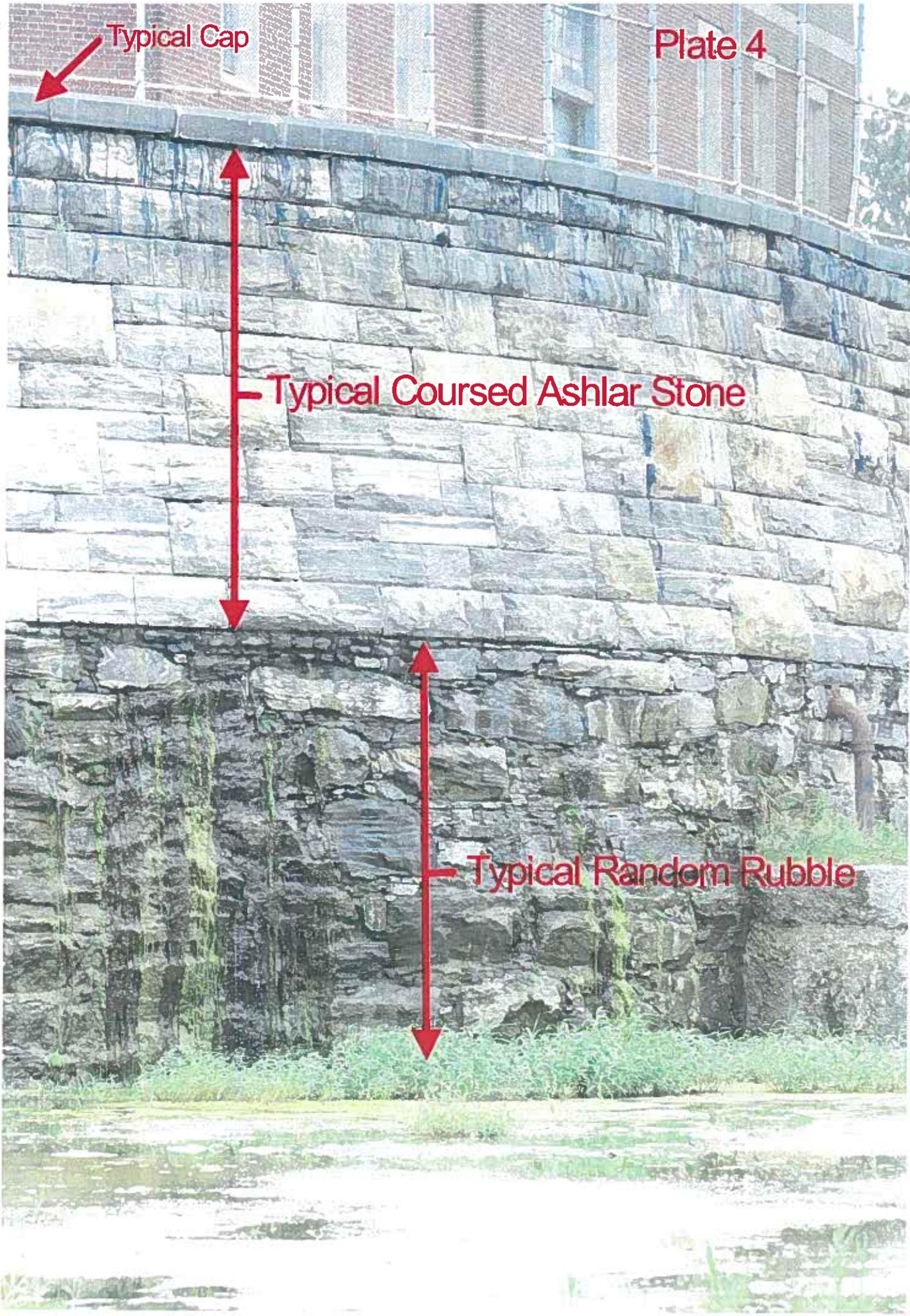


Plate 5

Mason Stone similar to Stone Veneer for
South Basin Ramp Extension



Plate 6

Mason Stone similar to Stone Veneer for
South Basin Ramp Extension

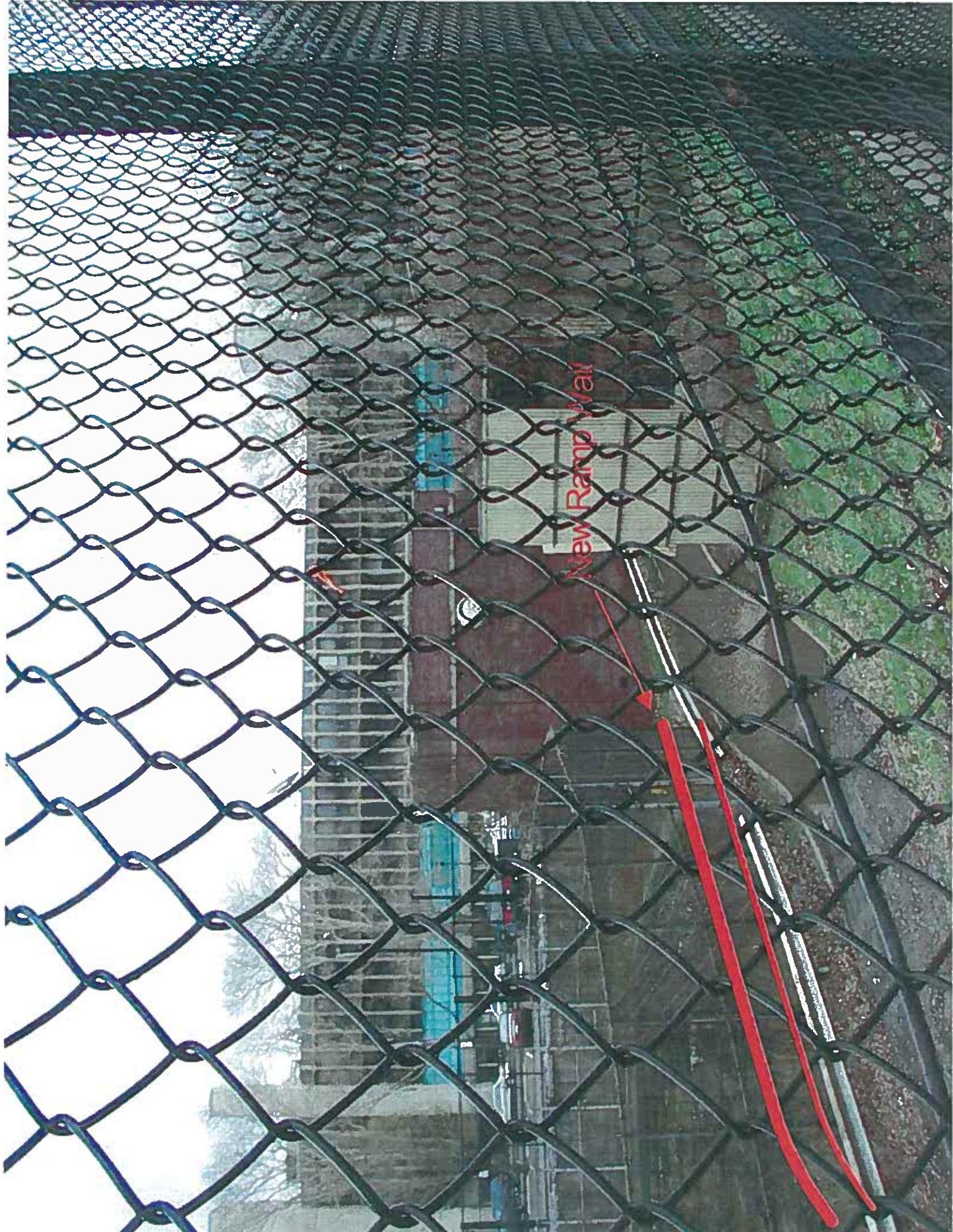




Approximate El. 148

Top of new ramp wall- El. 141.5

Ramp Entrance El. 137



New Ramp Wall