Public Notice

US ARMY CORPS OF ENGINEERS
St. Louis District
Gateway to Excellence

Reply To:
U.S. Army Corps of Engineers
Attn: CEMVS-OD-F
1222 Spruce Street
St. Louis, MO 63103-2833

Public Notice No.
P-2607 to P-2613
Public Notice Date
March 16, 2007

Postmaster Please Post Conspicuously Until:
Expiration Date
April 5, 2007

File Number: 2006-9
Mississippi River Miles 173 to 183

Interested parties are hereby notified that plans have been submitted for consideration of Department of the Army permit authorization to replace seven Metropolitan St. Louis Sewer District (MSD) interceptor and outfall structures within navigable waters of the United States, as described below and shown on the attached drawings.

COMMENTS AND ADDITIONAL INFORMATION: Comments on the described work should reference the U.S. Army Corps of Engineers File Numbers shown above and must reach this office no later than the above expiration date of the Public Notice to become part of the record and be considered in the decision. Comments should be mailed to the following address:

U.S. Army Corps of Engineers
ATTN: CEMVS-OD-F (Charles Frerker)
1222 Spruce Street
St. Louis, Missouri 63103-2833

APPLICANT: Metropolitan St. Louis Sewer District, 2350 Market Street, St. Louis, Missouri 63103-2555

LOCATION: The proposed sites are situated along the right descending bank of the Mississippi River, between river miles 173 to 183, in St. Louis County, Missouri. (See Attached Map and Drawings)

PROJECT DESCRIPTION: MSD requests authorization to repair and rehabilitate seven combined sewer outflow (CSO) structures along the Mississippi River for sanitary sewer system improvements. Cofferdams, constructed of sheet piling, would be installed in the Mississippi River to dewater the work areas. This will allow the rehabilitated concrete CSO structures to be cast in place. A maximum of two barges would be required at each of the seven construction sites for access, to drive sheet piling and to provide additional work. The first vessel would be a crane barge, which would be moored by spuds to hold it in place. The second vessel would be a hopper barge (material barge) that would be either tied to the shoreline, per standard regulations, or tied to the spudded crane barge. The maximum barge widths and lengths would be 50-feet by 200-feet. The barges will be moored within 100 linear feet of the project limits, with the exception of the proposed Arsenal CSO work site. Considerable barge traffic may require mooring the two proposed vessels further away, within 500 feet of the Arsenal CSO activity site. The applicant anticipates the associated tow boat would not be moored at the worksite, but would only be used to position the crane barge and hopper barge during the day and returned to its dock. Each of the moored vessels and associated structures would be lit in accordance with U.S. Coast Guard standards.
The maximum riverward extent of each cofferdam will be 30-feet, as projected from the top of the CSO / river bank interface. The cofferdams will be approximately 50-feet in width along the bank. Riprap would also be installed at each rehabilitated CSO structure for bank stability purposes. The riprap material would be U.S. Army Corps of Engineers Grade A or Grade B Stone**.**

Pilings, other structure components, and riprap would be installed from barges on the river side of the structures. The only material to be placed in the river is riprap, sheet pile and the rehabilitated concrete outfall structure. Each CSO structure may require more than six (6) months for installation time.

For clarification and identification purposes, each proposed activity site has been assigned a separate permit (P) number for pending authorization. The attached drawings are labeled with permit (P) numbers to correspond with each proposed activity site. The following provides a concise summary of the proposed work at each activity site:

P-2607: The replacement structure at FERRY would derive support from H-piles driven to bedrock. The approximate dimensions of the structure are 8-feet by 10-feet. Modifications at the FERRY outfall structure would consist of lining approximately 140 feet of outfall sewer timber invert with 6-inch thick shotcrete lining, grout inject/sealing one outfall sewer joint, shotcrete replacement of one course of missing brick in the sewer crown, and heavy cleaning of approximately 860 feet of outfall sewer. Five to 10 feet of existing riprap and other potential obstructions may have to be excavated prior to sheet pile installation.

P-2608: The replacement structure at PALM would derive support from H-piles driven to bedrock. The approximate dimensions of the structure are 18-feet by 14.4 feet. Modifications at the PALM outfall structure would consist of lining 915 feet of outfall sewer invert with 2-inch thick shotcrete lining, removing and replacing approximately 160 feet of sewer invert, grout inject/sealing 58 transverse outfall sewer joints and approximately 800 feet of wall/invert joints, shotcreting crown voids at 12 locations and repairing invert voids/exposed rebar at two locations. Five to 10 feet of existing riprap and other potential obstructions may have to be excavated prior to sheet pile installation.

P-2609: The replacement structure at DICKSON would derive support by spread footing on bedrock or from H-piles driven to bedrock. The approximate dimensions of the structure are 5-feet by 3.3 feet. Modifications at the DICKSON outfall structure would consist of removing and replacing approximately 65 feet of 30-inch by 42-inch brick egg shaped outfall sewer immediately upstream of the outfall with 36-inch diameter reinforced concrete pipe. Five to 10 feet of existing riprap and other potential obstructions may have to be excavated prior to sheet pile installation.

P-2610: The replacement structure at POPULAR would derive support from H-piles driven to bedrock. The approximate dimensions of the structure are 6-feet by 6-feet. Modifications at the POPULAR outfall structure would consist of removing and replacing approximately 38 feet of variable dimension reinforced concrete arch immediately upstream of the outfall with 72-inch diameter reinforced concrete pipe, lining approximately 200 feet of outfall sewer timber invert with 6-inch thick shotcrete lining, grout inject/sealing approximately 35 outfall sewer joints, modifying one interceptor weir, and heavy cleaning of approximately 70 feet of outfall sewer. Five to 10 feet of existing riprap and other potential obstructions may have to be excavated prior to sheet pile installation.

P-2611: The replacement structure at ARSENAL would derive support from H-piles driven to bedrock. The approximate dimensions of the structure are 8-feet by 9-feet. Modifications at the ARSENAL outfall structure would consist of removing and replacing approximately 100 feet of 8-foot by 9-foot reinforced concrete arch from the Arsenal pump station to the outfall, and grout inject/sealing approximately 10 outfall sewer joints. Five to 10 feet of existing riprap and other potential obstructions may have to be excavated prior to sheet pile installation.

P-2612: The replacement structure at SOUTHERN GASCONADE would derive support from H-piles driven to bedrock. The approximate dimensions of the structure are 11-feet by 11-feet. Modifications at the SOUTHERN GASCONADE outfall structure would consist of lining approximately 850 feet of outfall sewer invert with 2-inch thick shotcrete lining, grout inject/sealing approximately 35 outfall sewer joints and three leaking bulkheads, and shotcrete (point) repair of exposed rebar on sewer walls and damaged invert. Five to 10 feet of existing riprap and other potential obstructions may have to be excavated prior to sheet pile installation.

P-2613: The replacement structure at QUINCY would derive support from H-piles driven to bedrock. The approximate dimensions of the structure are 7-feet by 6-feet. Modifications at the QUINCY outfall structure would consist of repairing and replacing approximately 85 feet of 60-inch diameter RCP outfall sewer immediately upstream of the new outfall structure. Five to 10 feet of existing riprap and other potential obstructions may have to be excavated prior to sheet pile installation.

ADDITIONAL INFORMATION: Additional information may be obtained by contacting the applicant at the above

mentioned address/phone number or Charles Frerker, Project Manager, U.S. Army Corps of Engineers at (314) 331-8583, at electronic mail address: *charles.f.frerker@mvs02.usace.army.mil*

AUTHORITY: This permit will be processed under provisions of Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Request for public hearings shall state, with particularity, the reasons for holding the public hearing.

ENDANGERED SPECIES: The proposed project is within range of the endangered Indiana bat (**Myotis sodalis**), Gray bat **(Myotis gricescens)**, Pallid sturgeon **(Scaphirhynchus albus)**, and the threatened Bald eagle **(Haliaeetus leucocephalus)**. A preliminary determination, in compliance with the Endangered Species Act as amended, has been made that this proposed activity is not likely to affect species designated as threatened or endangered, or adversely affect critical habitat. In order to complete our evaluation, comments are solicited by this public notice from the U.S. Fish and Wildlife Service and other interested agencies and individuals.

CULTURAL RESOURCES: The St. Louis District will evaluate information provided by the State Historic Preservation Officer and the public in response to this public notice and we may conduct, or require a reconnaissance survey of the project area.

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

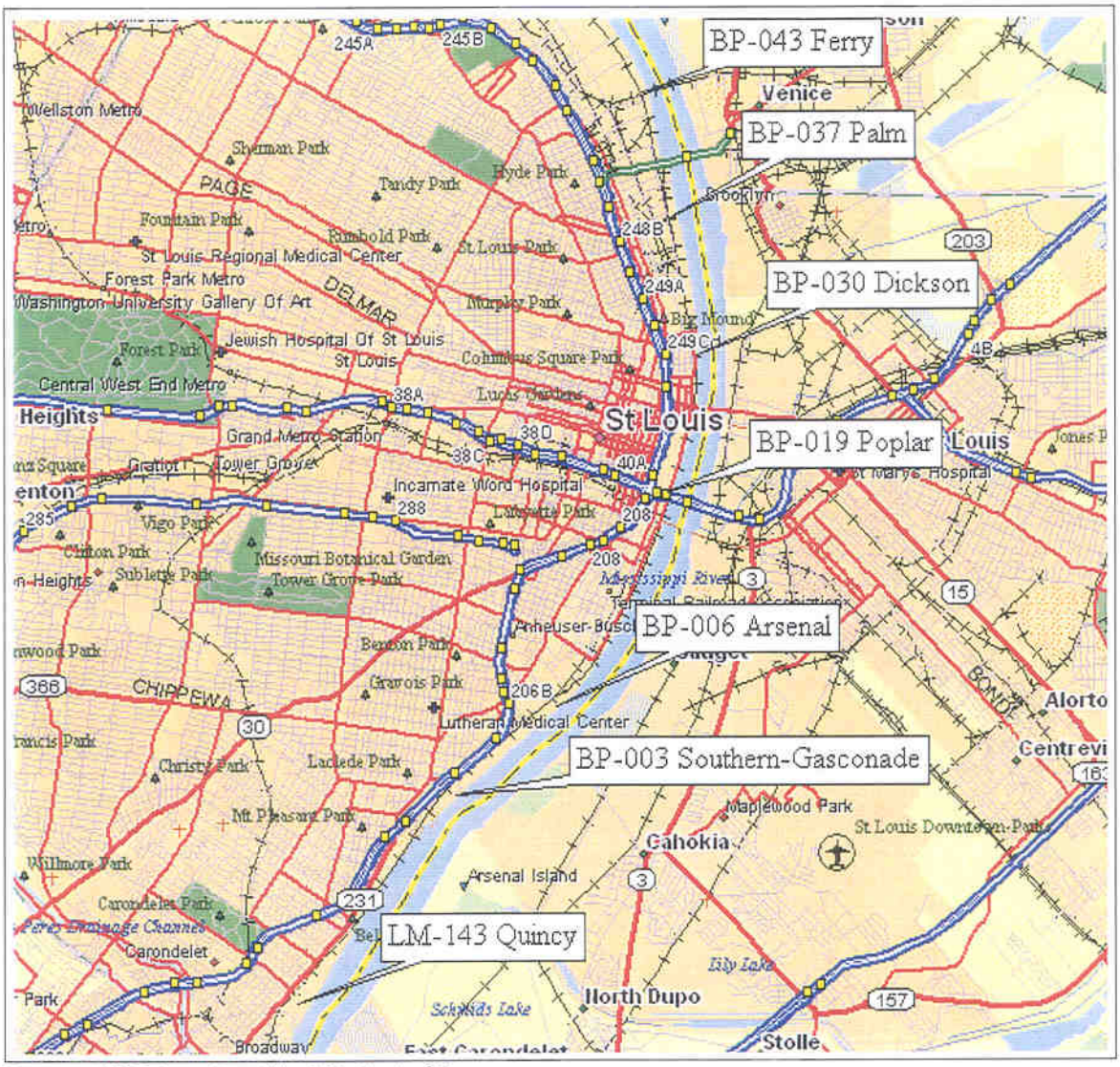
The U.S. Army Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of these proposed activities. Any comments received will be considered by the U.S. Army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

Danny D. McClendon
Chief, Regulatory Branch

Attachments

NOTICE TO POSTMASTERS:

It is requested that this notice be conspicuously and continually placed for 21 days from the date of this issuance of this notice.



Source: ©1999 DeLorme Street Atlas USA, Version 8.0

P-2607 to P-2613

NORTH

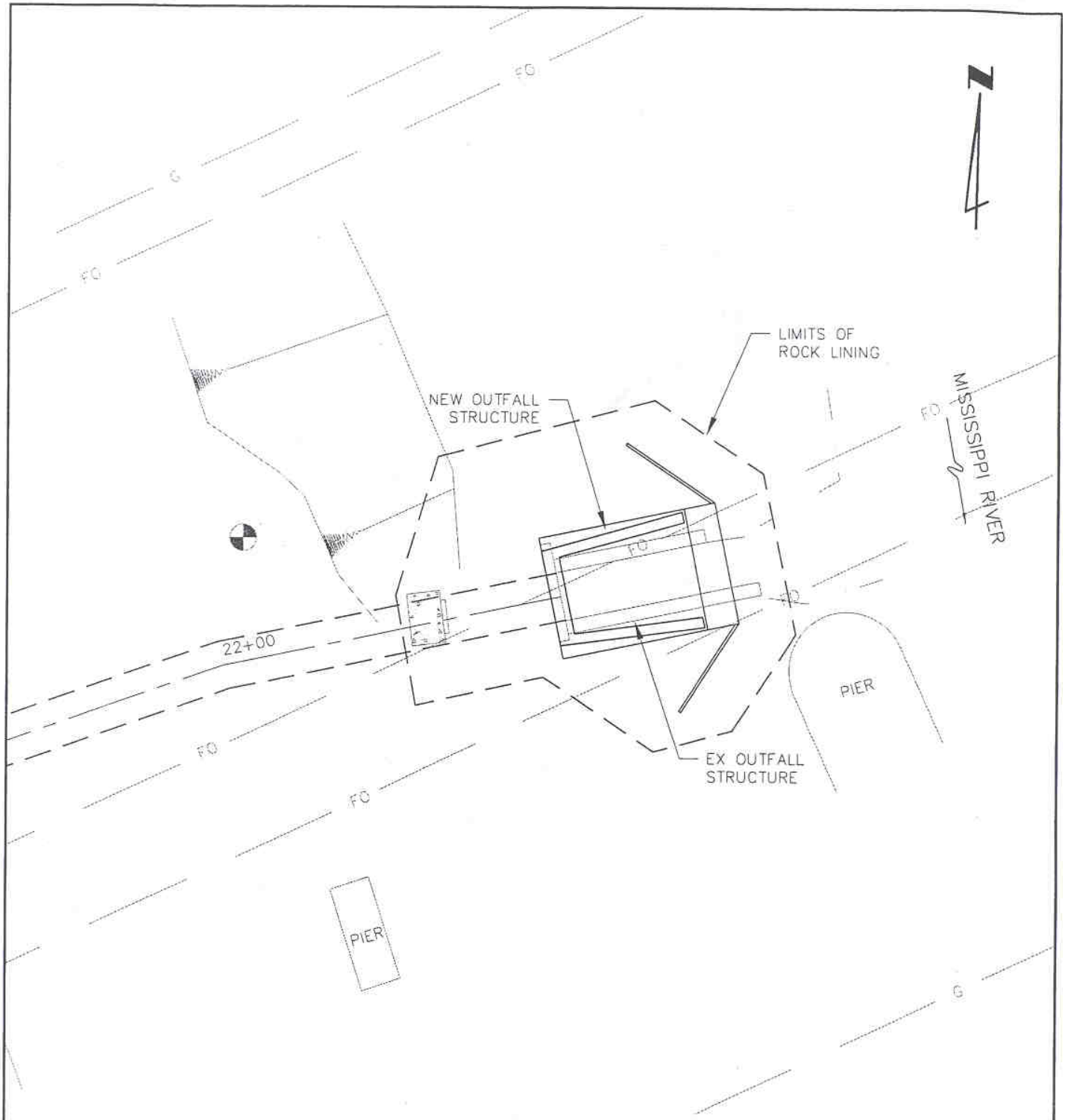
Metropolitan
St. Louis Sewer District

CSO STRUCTURES
SITE LOCATION MAP

September 2005 41-1-36221-001

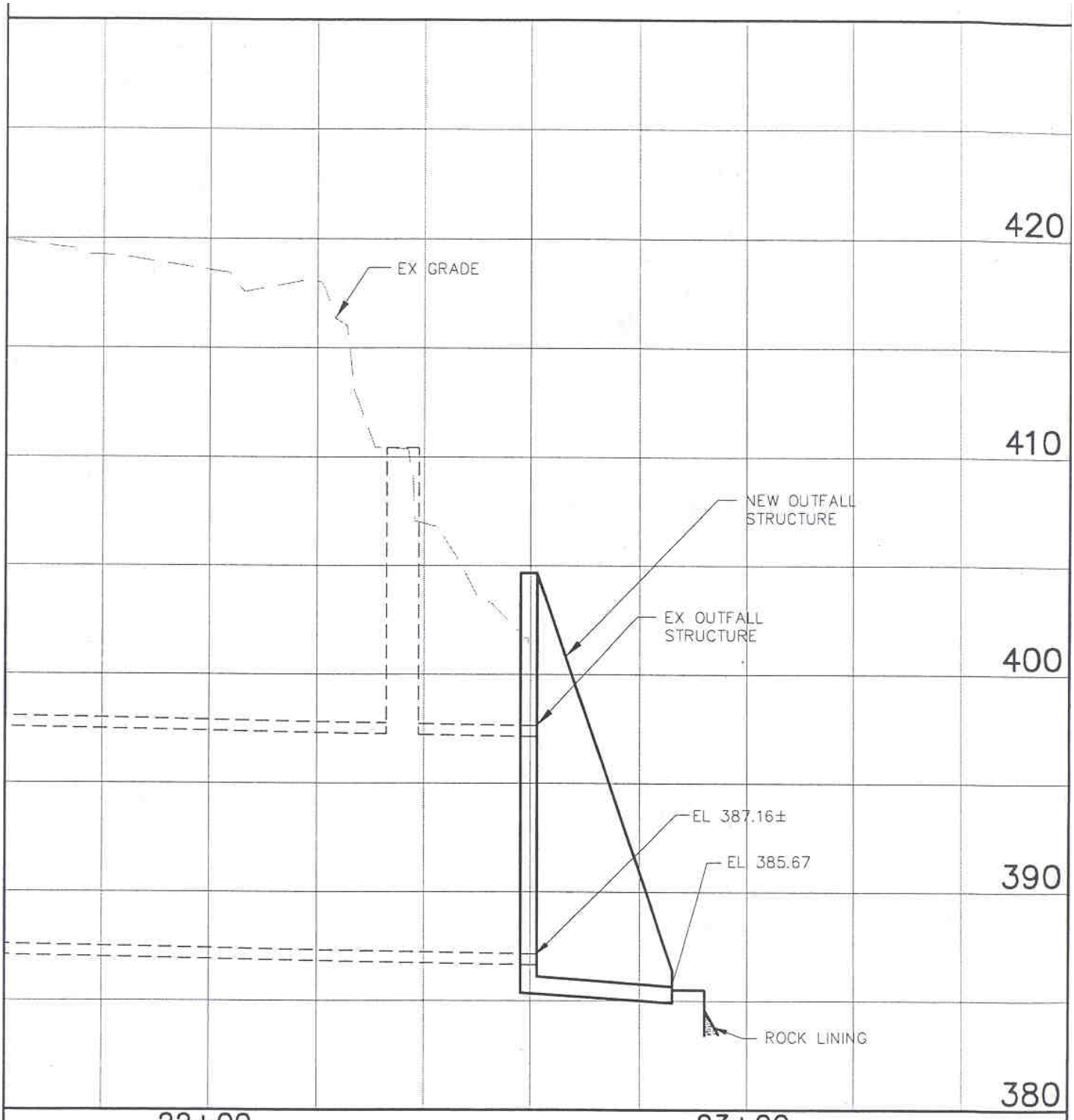
SHANNON & WILSON, INC.
Geotechnical and Environmental Consultants

FIGURE A1



P-2607

METROPOLITAN ST. LOUIS SEWER DISTRICT 2350 MARKET STREET ST. LOUIS, MO 63103	CSO INTERCEPTOR AND OUTFALL MODIFICATIONS 2003053 ATTACHMENT 2: BP-043 (FERRY)

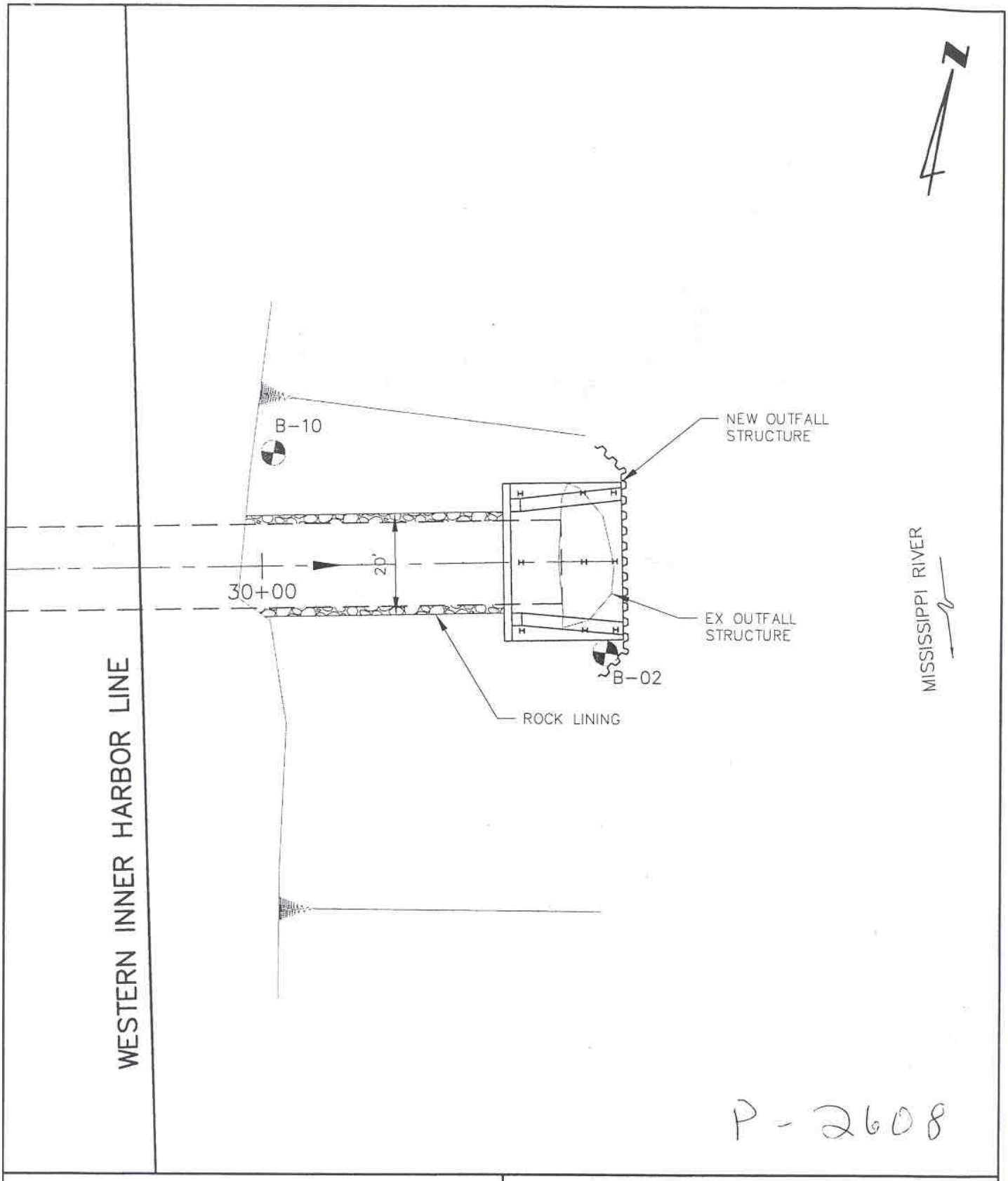


P-2607

METROPOLITAN ST. LOUIS SEWER DISTRICT
2350 MARKET STREET
ST. LOUIS, MO 63103

CSO INTERCEPTOR AND OUTFALL MODIFICATIONS
2003053

ATTACHMENT 3:
BP-043 (FERRY)

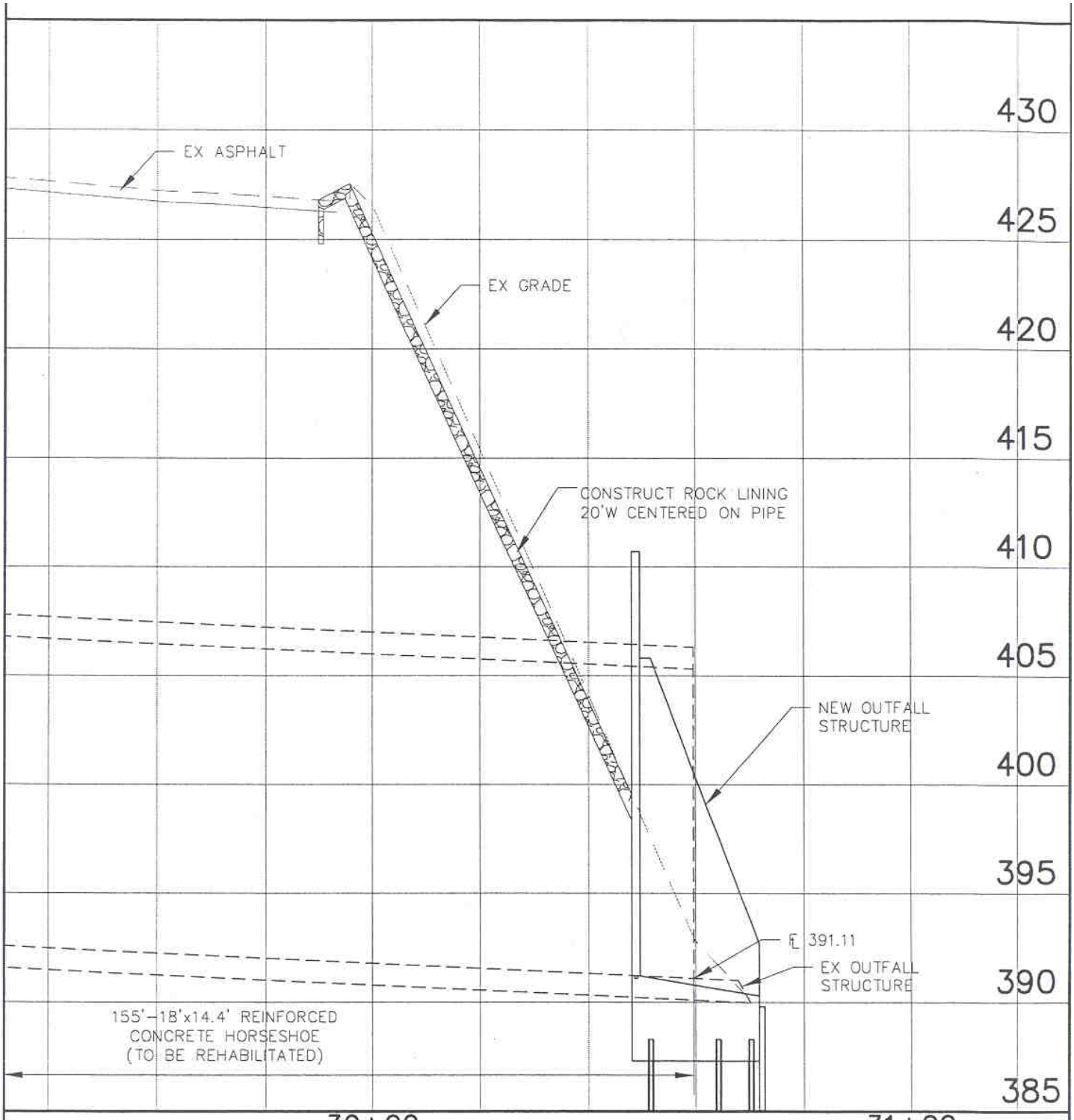


P-2608

METROPOLITAN ST. LOUIS SEWER DISTRICT
2350 MARKET STREET
ST. LOUIS, MO 63103

CSO INTERCEPTOR AND OUTFALL MODIFICATIONS
2003053

ATTACHMENT 4:
BP-037 (PALM)



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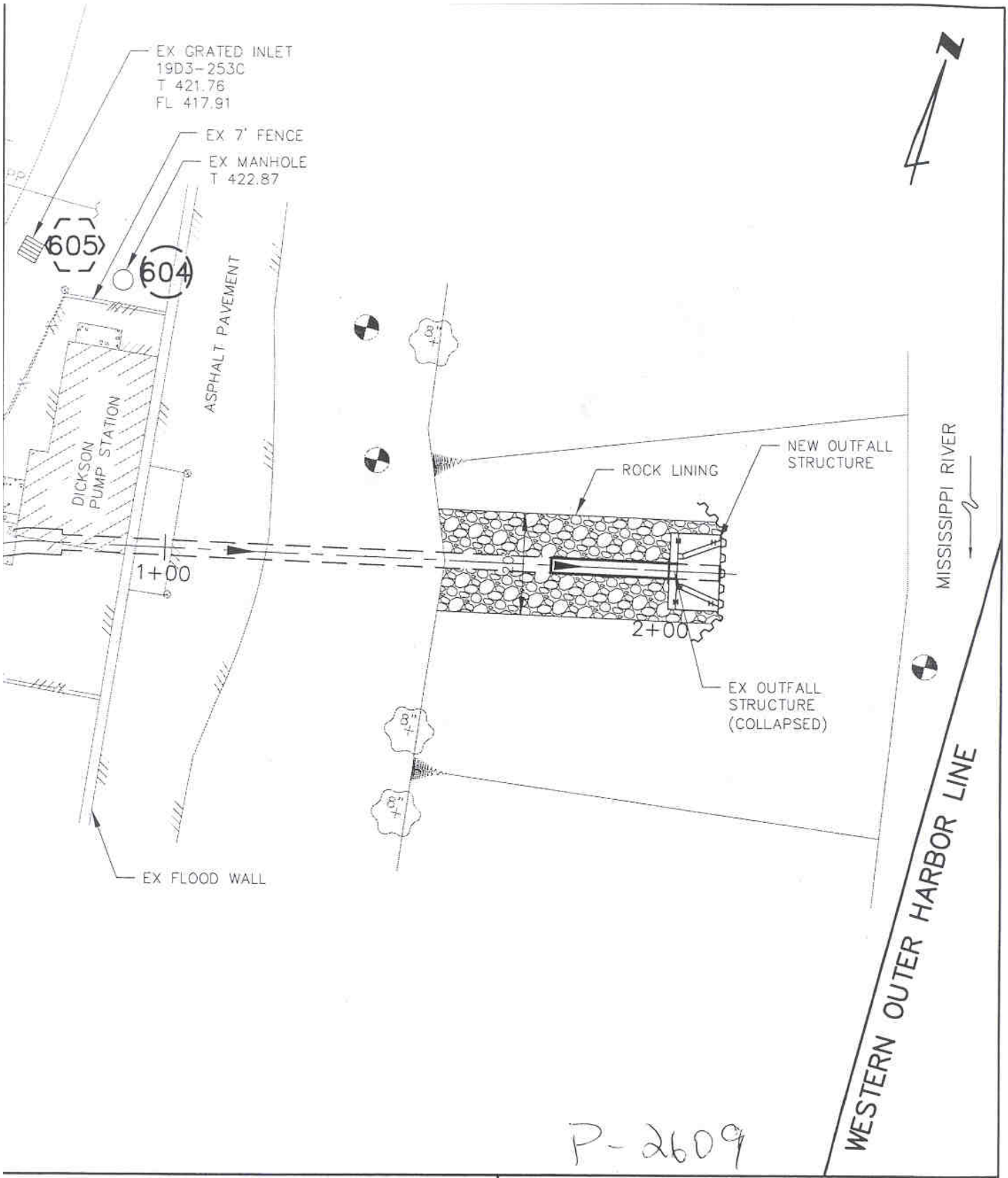
METROPOLITAN ST. LOUIS SEWER DISTRICT
2350 MARKET STREET
ST. LOUIS, MO 63103

CSO INTERCEPTOR AND OUTFALL MODIFICATIONS
2003053

ATTACHMENT 5:
BP-037 (PALM)

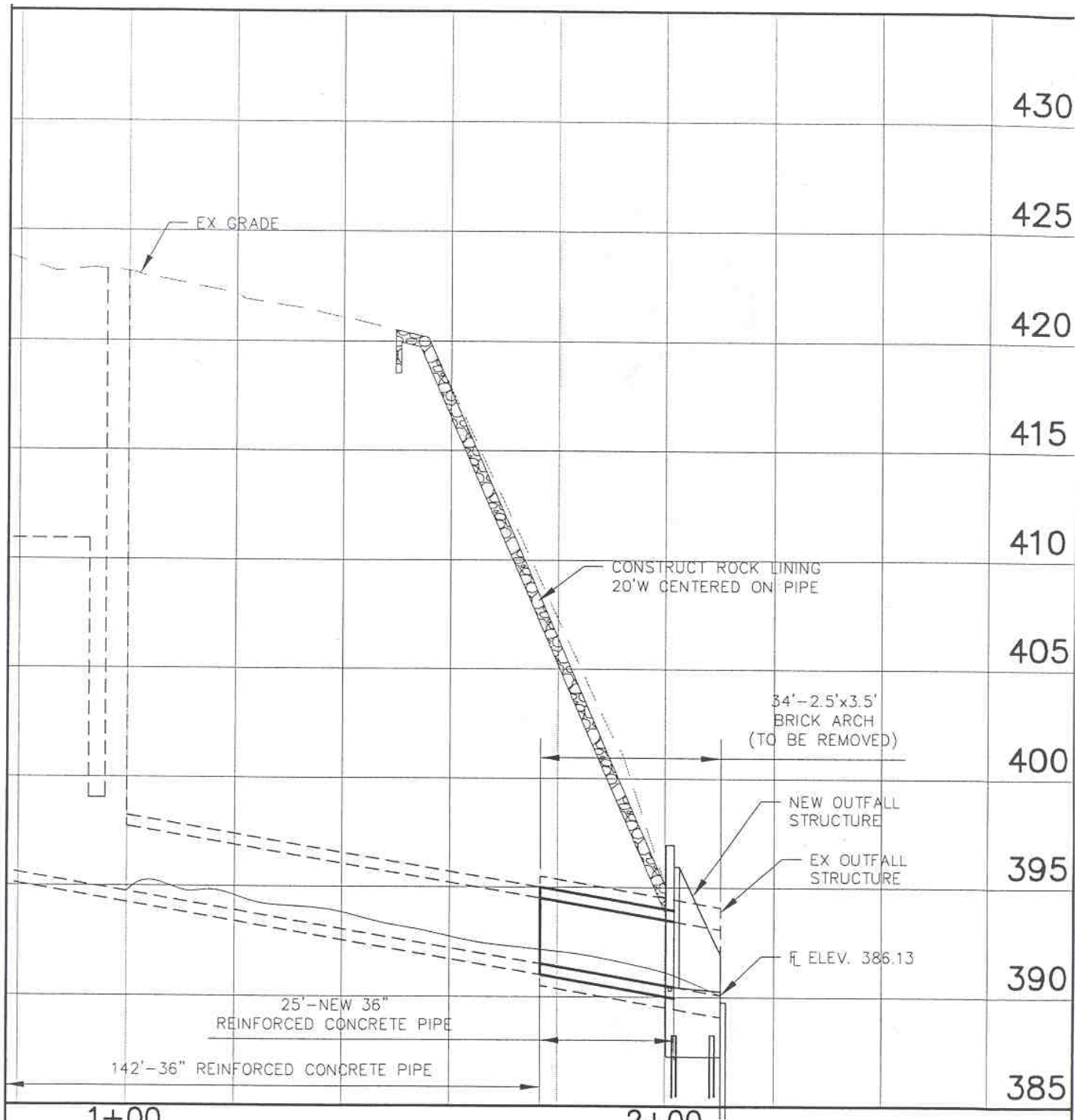


P-2609

METROPOLITAN ST. LOUIS SEWER DISTRICT
2350 MARKET STREET
ST. LOUIS, MO 63103

CSO INTERCEPTOR AND OUTFALL MODIFICATIONS 2003053

ATTACHMENT 6: BP-030 (DICKSON)



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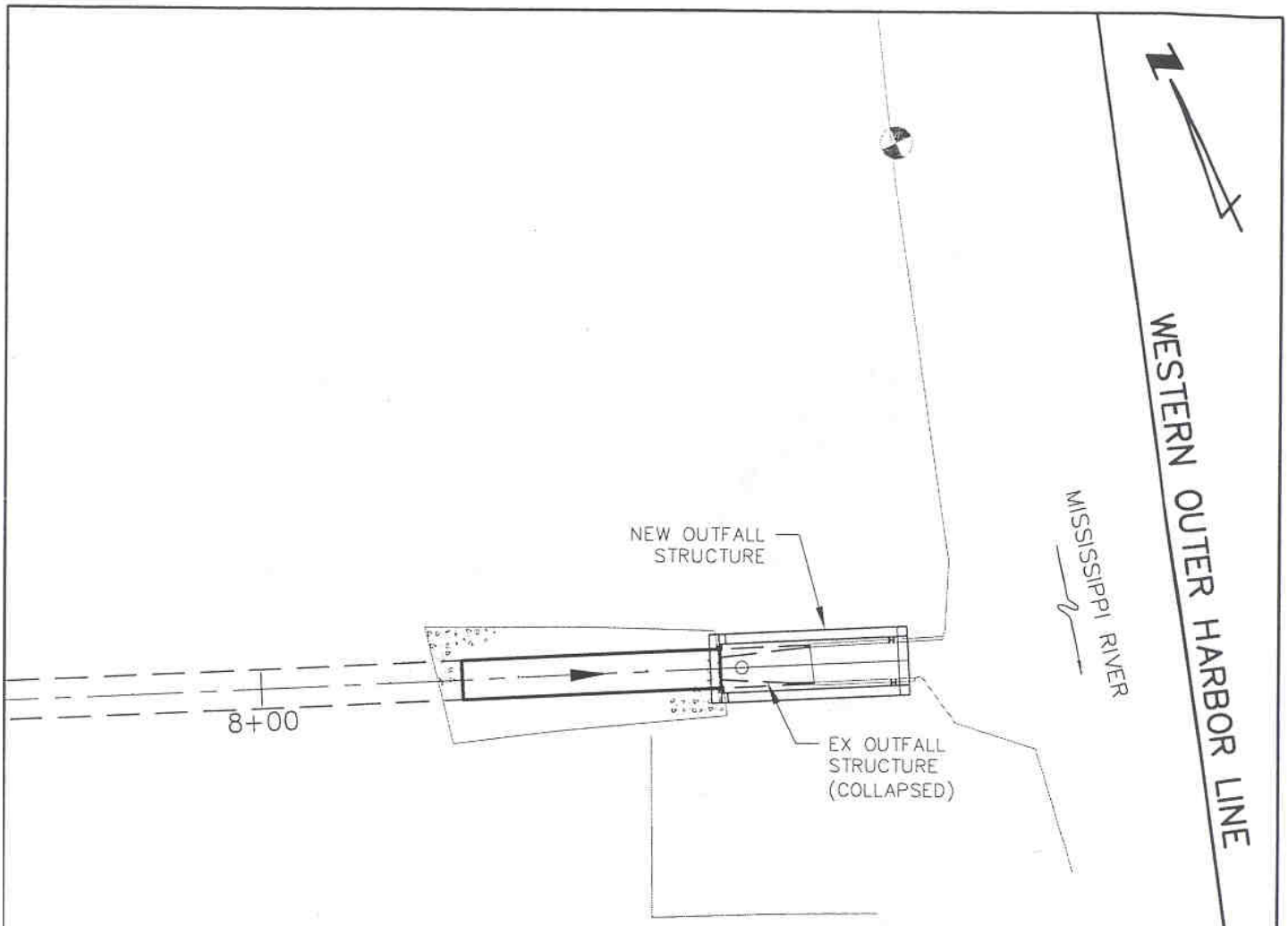
ST. LOUIS, MO 63103

CSO INTERCEPTOR AND OUTFALL MODIFICATIONS
2003053

ATTACHMENT 7:
BP-030 (DICKSON)



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METROPOLITAN ST. LOUIS
SEWER DISTRICT
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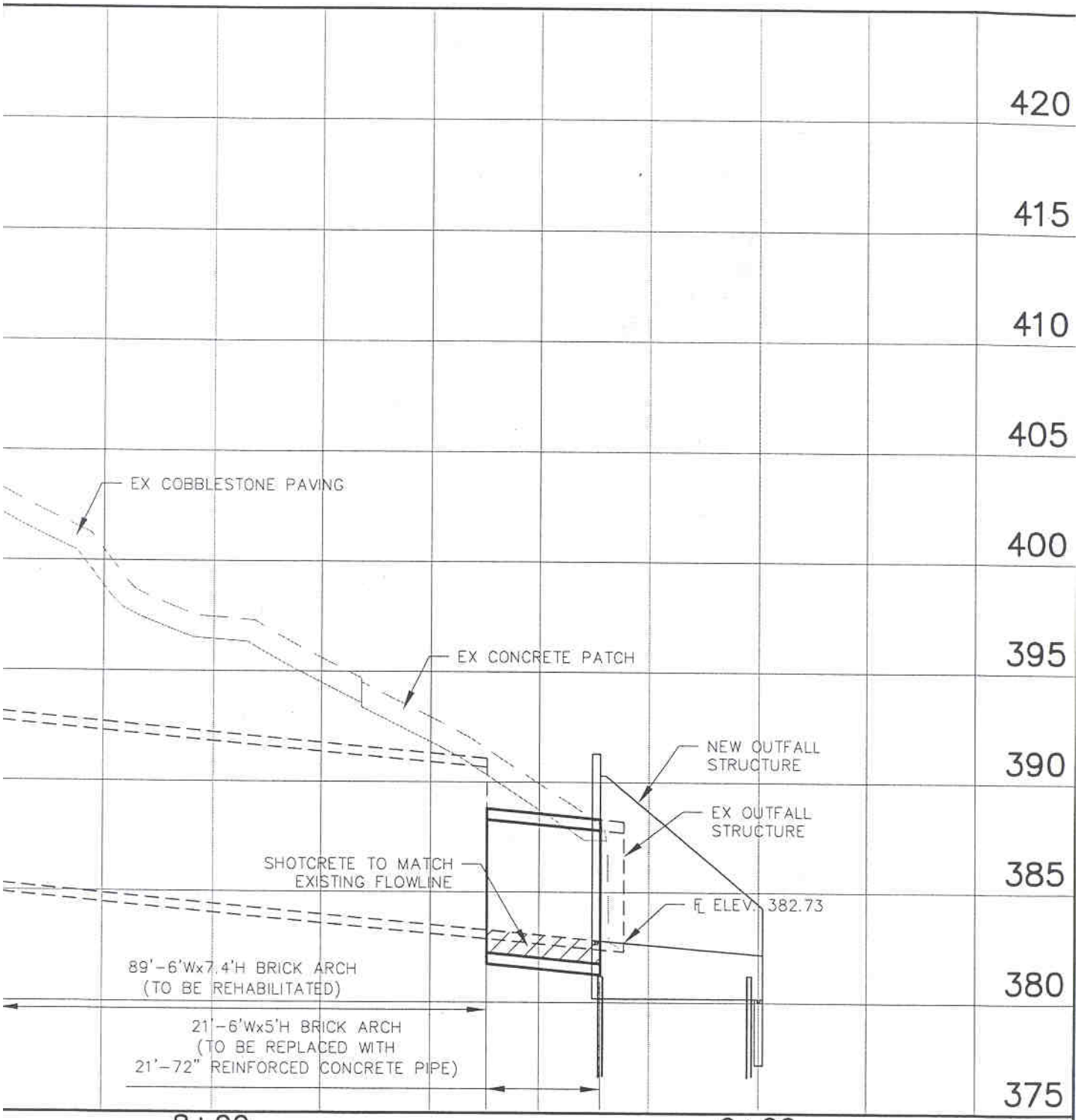
ST. LOUIS, MO 63103

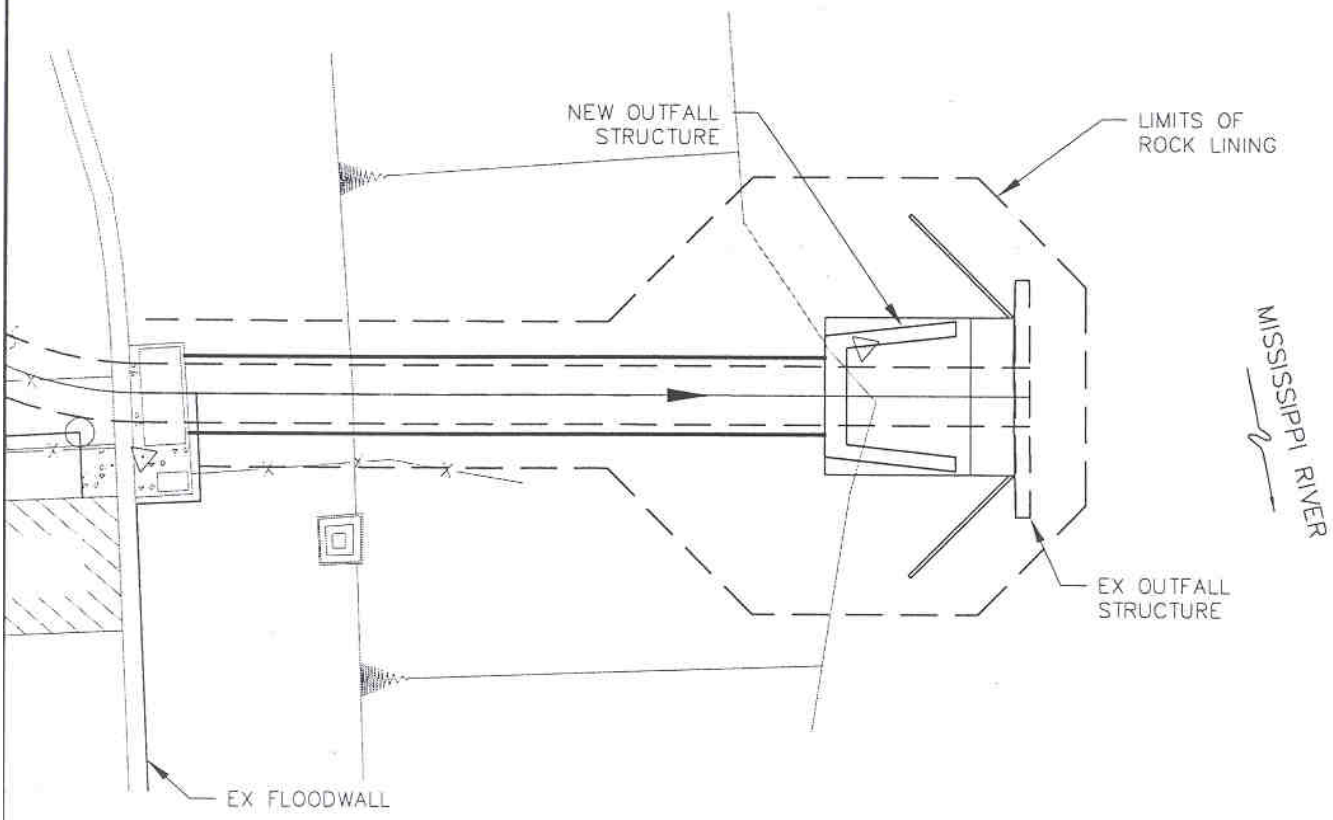
CSO INTERCEPTOR AND
OUTFALL MODIFICATIONS
2003053

ATTACHMENT 8:
BP-019 (POPLAR)



P-2618

METROPOLITAN ST. LOUIS SEWER DISTRICT 2350 MARKET STREET ST. LOUIS, MO 63103	CSO INTERCEPTOR AND OUTFALL MODIFICATIONS 2003053 ATTACHMENT 9: BP-019 (POPLAR)

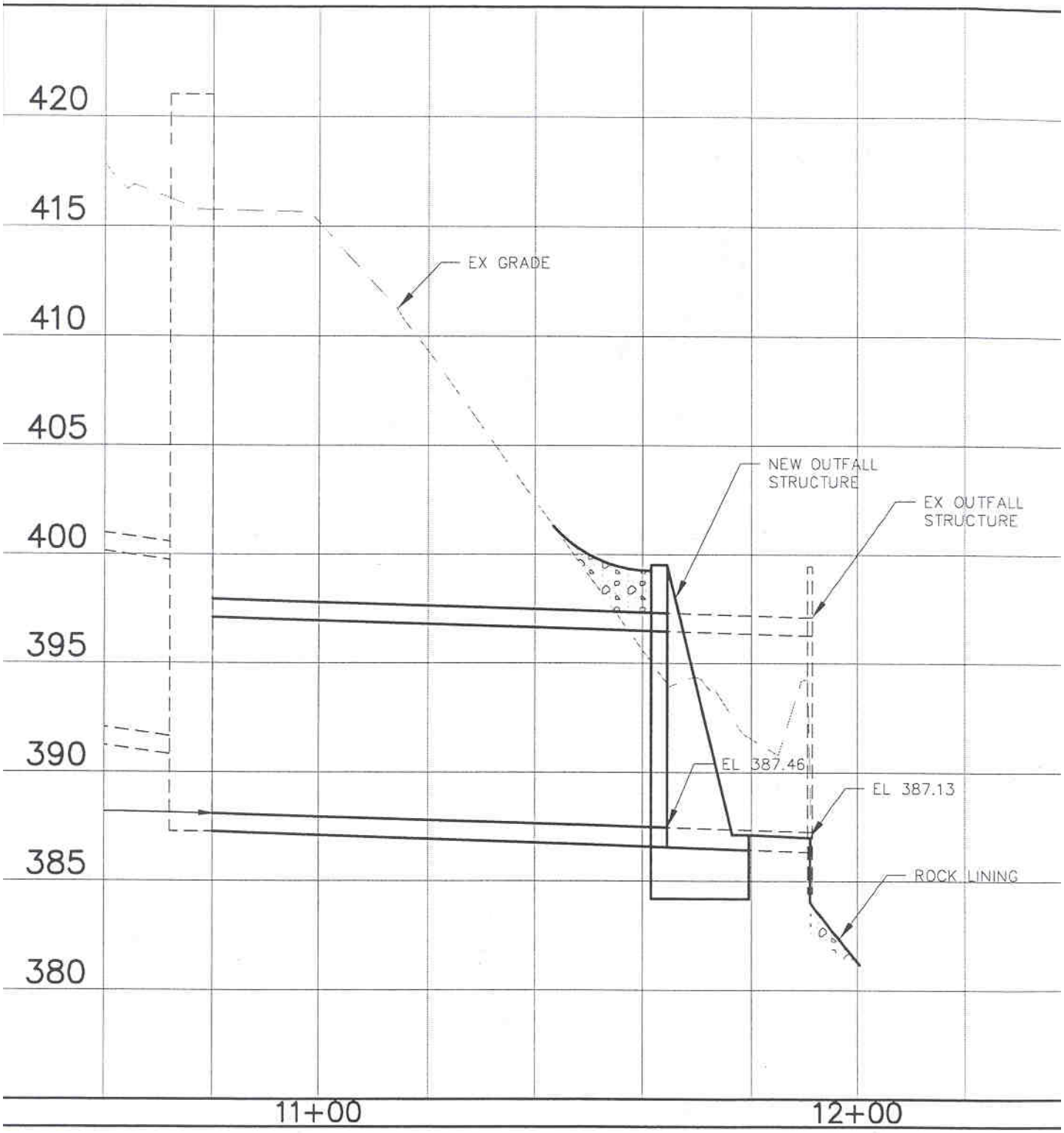


P-2611

METROPOLITAN ST. LOUIS SEWER DISTRICT
2350 MARKET STREET
ST. LOUIS, MO 63103

CSO INTERCEPTOR AND OUTFALL MODIFICATIONS
2003053

ATTACHMENT 10:
BP-006 (ARSENAL)

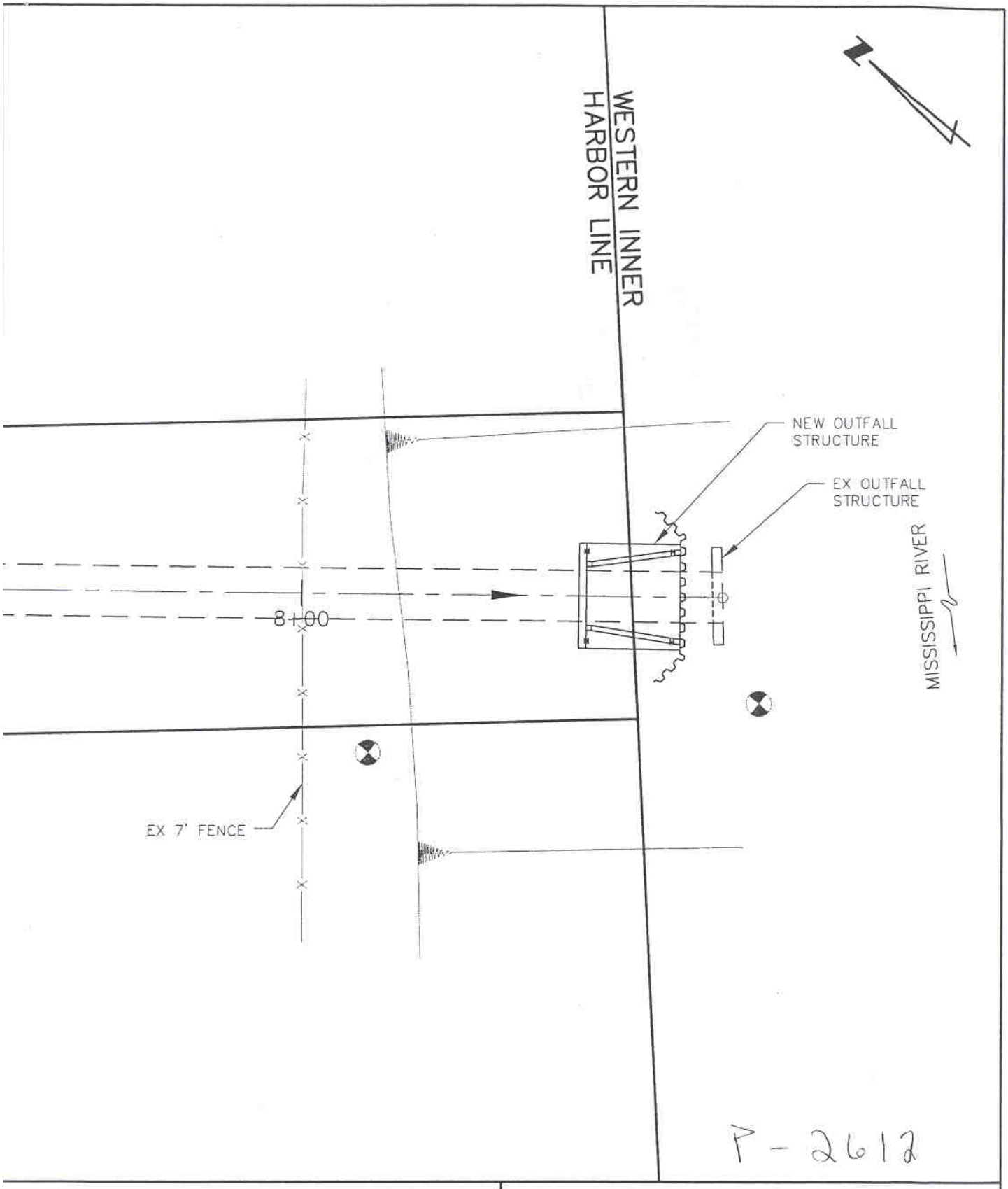


P-2611

METROPOLITAN ST. LOUIS SEWER DISTRICT
2350 MARKET STREET
ST. LOUIS, MO 63103

CSO INTERCEPTOR AND OUTFALL MODIFICATIONS
2003053

ATTACHMENT 11:
BP-006 (ARSENAL)



P-2612

METROPOLITAN ST. LOUIS SEWER DISTRICT
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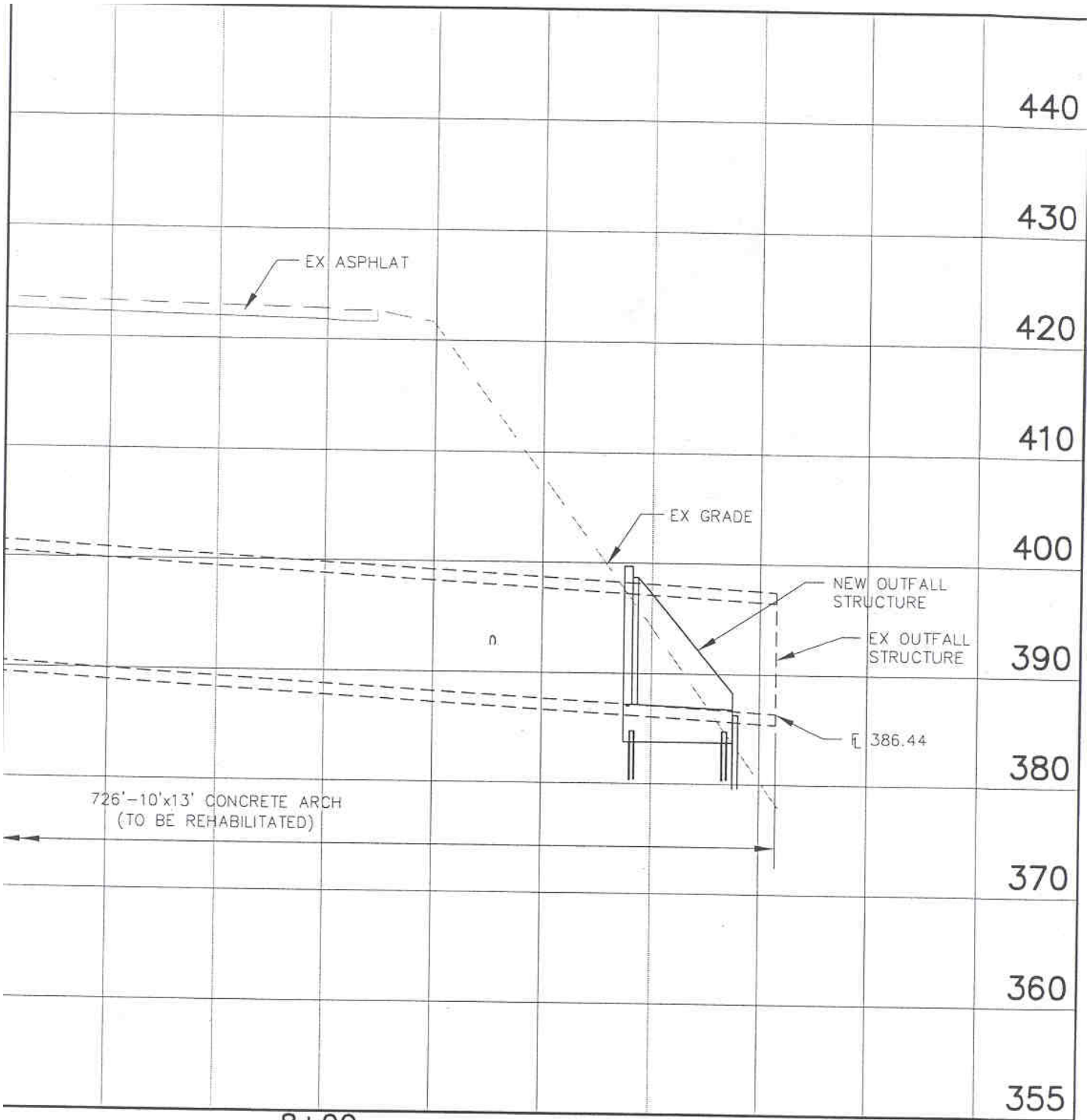
ST. LOUIS, MO 63103

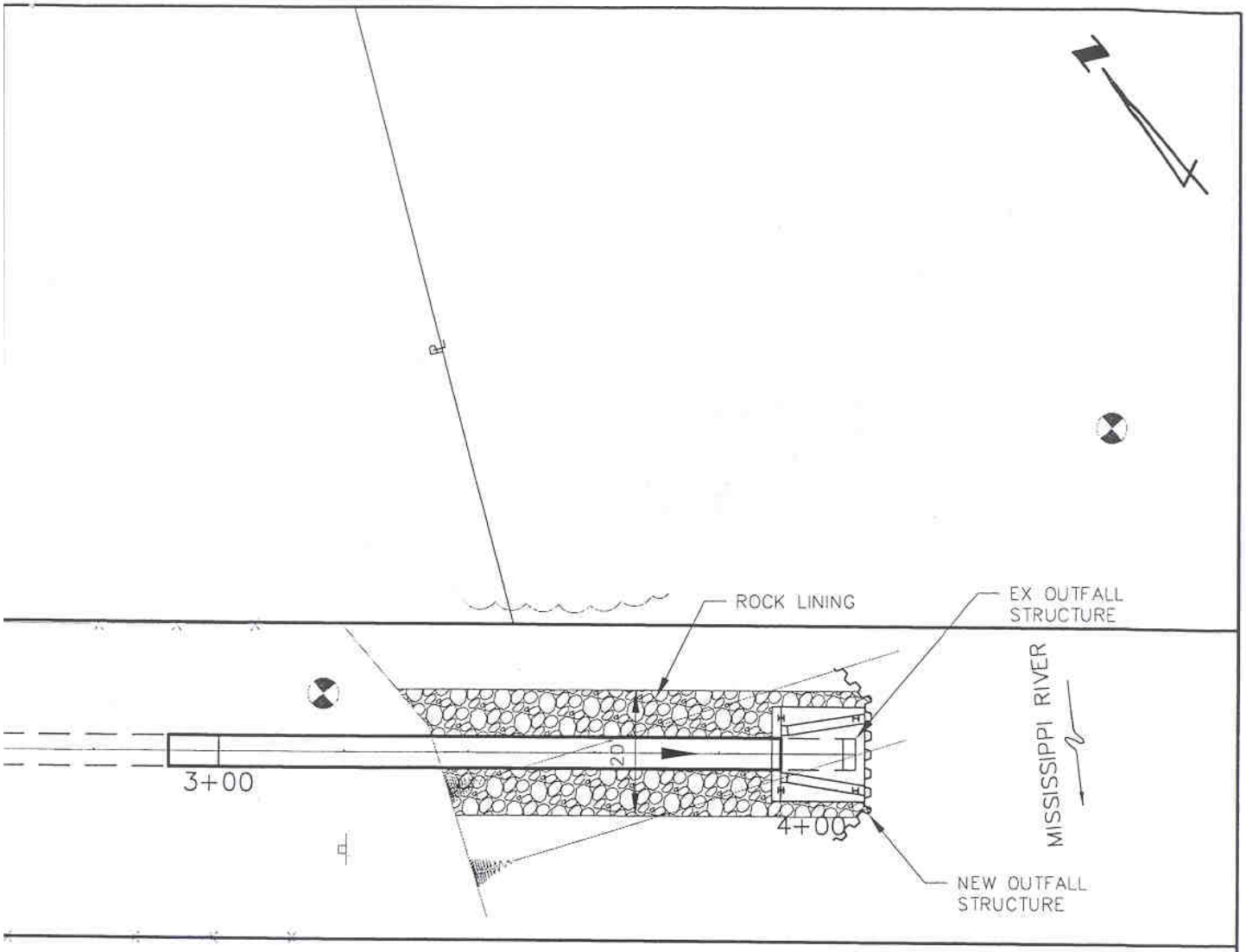
CSO INTERCEPTOR AND OUTFALL MODIFICATIONS
2003053

ATTACHMENT 12:



P-2612

METROPOLITAN ST. LOUIS SEWER DISTRICT 2350 MARKET STREET ST. LOUIS, MO 63103	CSO INTERCEPTOR AND OUTFALL MODIFICATIONS 2003053 ATTACHMENT 13: BP-013 (S. GASCONADE)



P-2613

METROPOLITAN ST. LOUIS SEWER DISTRICT
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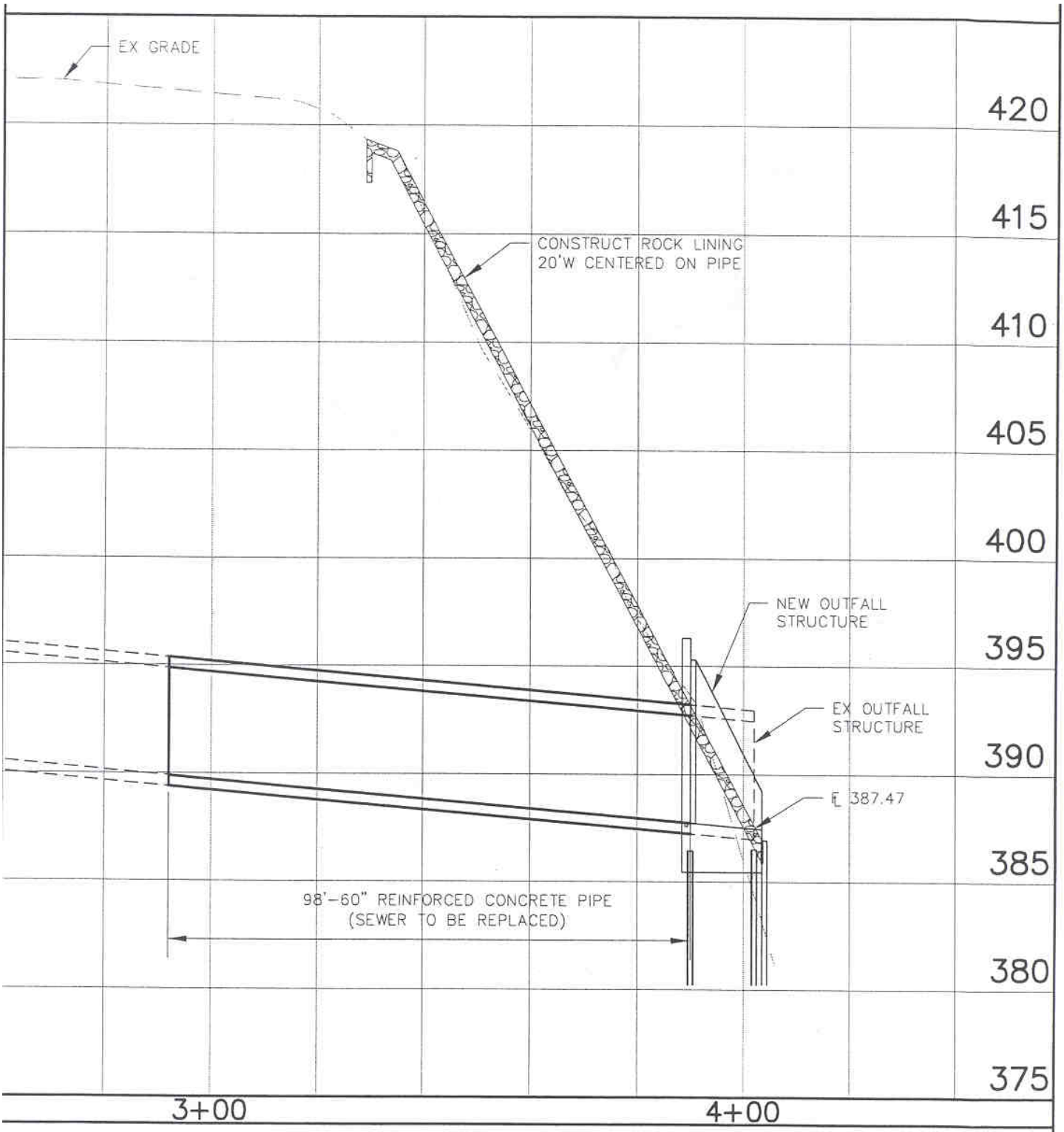
CSO INTERCEPTOR AND OUTFALL MODIFICATIONS
2003053

ATTACHMENT 14:
LM-143 (QUINCY)



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ATTACHMENT 15:
LM-143 (QUINCY)