

DC Water-Main Pumping Station Flood Protection

1331 2nd Street, SE, Washington DC

Approval of Preliminary and Final Site Development Plans

District of Columbia Water and Sewer Authority

Project Summary

Commission Meeting Date: July 11, 2019

NCPC Review Authority: 40 U.S.C. § 8722(b)(1)

Applicant Request: Approval of Preliminary and Final Site Development Plans

Session: Review Exception

NCPC Review Officer: Matthew Flis

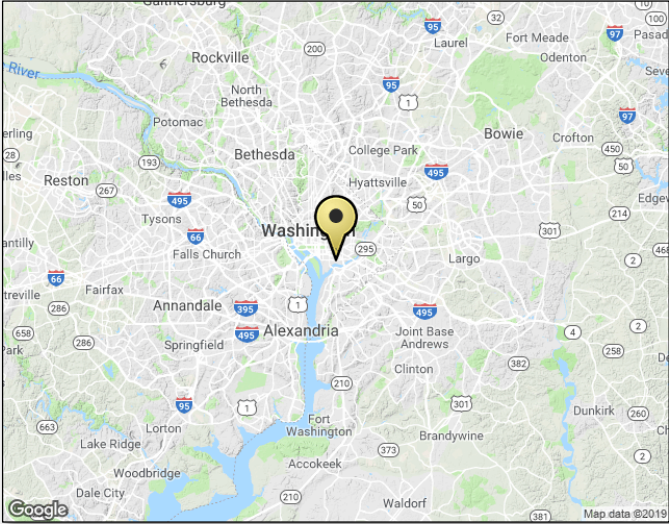
NCPC File Number: 8090

Project Summary:

DC Water has submitted preliminary and final site development plans for proposed flood mitigation measure of the 100-year old sewage pumping station. The facility is located in the flood plain near the Anacostia River and the improvements are necessary to protect the building from water infiltration that would compromise operations.

The project includes raising air intakes, raising HVAC units, plugging pipes and other similar actions. DC Water will work with the DC State Historic Preservation Officer regarding the improvements so as to further minimize any impacts to the historic structure.

Site Location



Location Map

Project Overview




PHOTO 1 - FILL WITH MORTAR




PHOTO 2




PHOTO 3




PHOTO 4



PHOTO 5




PHOTO 6

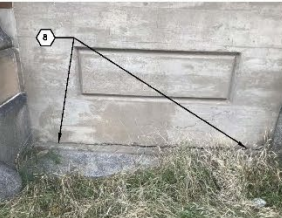


PHOTO 7




PHOTO 8




PHOTO 9 - EXISTING




PHOTO 9 - PROPOSED RENDERING
TEMPORARY VENTILATION PIPES
INCORPORATE INTO LANDSCAPE PLAN




PHOTO 10 - EXISTING




PHOTO 10 - PROPOSED RENDERING
TEMPORARY VENTILATION PIPES
INCORPORATE INTO LANDSCAPE PLAN




PHOTO 11 - EXISTING




PHOTO 11 - PROPOSED RENDERING

JOB NO.	PRJ-01	SCALE	1" = 10'
CONSTRUCTION PERMIT NO.	170780	DATE	07/10/2018
DESIGN NO.	025-WSA	DATE	07/10/2018
DESIGN MGR.	E. R. PFA	DATE	07/10/2018
INDEX NO.	025-WSA	DATE	07/10/2018

POST-BID REVISION

NO.	DESCRIPTION	DATE	BY

KEY NOTES:

SEE SHEET S-1 FOR CODED NOTES 1-6


7 SEAL WELLS INSIDE CONDUIT WITH PACKED MINERAL WOOL AND A MET-LISTED PRODUCT SUITABLE FOR EXISTING W/RE INSULATION AND CONDUIT DIAMETER TO PROVIDE A WATER-TIGHT SEAL FOR 20 FEET OF CONSTANT WATER HEAD PRESSURE.

8 REPAIR CRACKS UTILIZING CONCRETE CRACK REPAIR DEALT ON SHEET S-5.

9 CLEAN PANEL AROUND REPAIRS WITH THE FINEST MEANS POSSIBLE. FILL PENETRATIONS WITH MORTAR COLOR TO MATCH SURROUNDING BUILDING.

10 PIPE IS BELIEVED TO HAVE BEEN CONNECTED TO A PREVIOUSLY REMOVED UNDERGROUND OIL TANK-CON. REG OR SHALL FIELD VERIFY. CONTRACTOR TO REMOVE AND P.U.C. THEREAFTER PROVIDING A WATER-TIGHT SEAL FOR 20 FEET OF CONSTANT WATER HEAD PRESSURE. IF PIPE IS IN USE, REPAIR TO PROVIDE WATER TIGHT SEAL.

11 POUR CONCRETE COLUMNS IN PLACE OF EXISTING NEW CONCRETE COLUMNS ARE ONLY TO BE FULL-HEIGHT ACCORDING TO INSTALLATION OF RISE FOR CHANNEL. INSTALL STOP LOG CHANNEL RECESSED INTO NEW CONCRETE PILLAR.



OBRIEN & GERE
4201 MITCHELLVILLE RD
BETHESDA, MD 20814
TEL: 301-703-1500
FAX: 301-703-1501

NO.	DESCRIPTION	DATE	BY

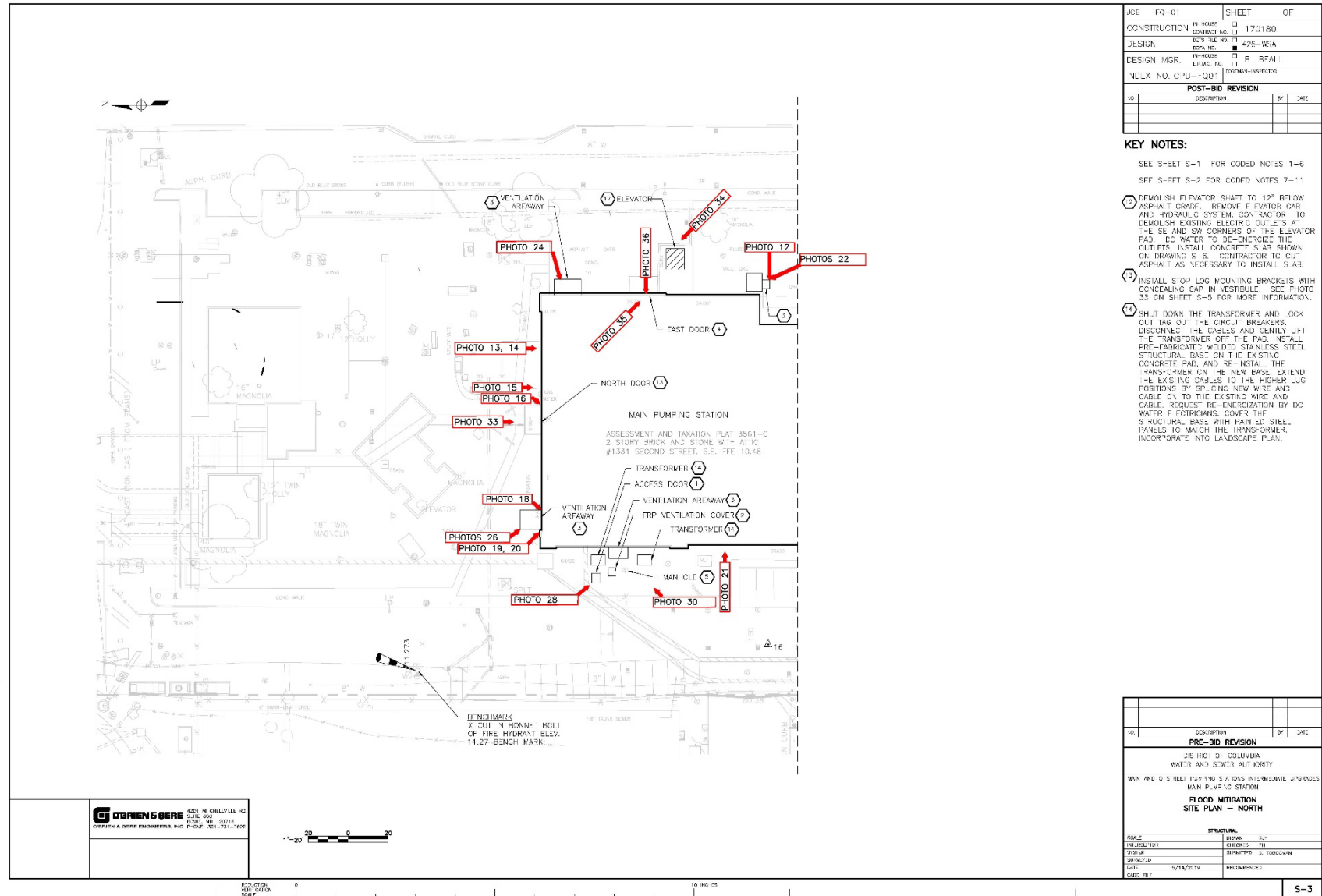
PRE-BID REVISION

U.S. REC'D. COLUMBIA WATER AND SEWER AUTHORITY
MAIN AND STREET PLUMBING STATIONS INTERMEDIATE UPGRADES MAIN PLUMBING STATION

FLOOD MITIGATION PHOTOS - SOUTH

SCALE	DATE	BY
DATE	DATE	DATE
DATE	DATE	DATE
DATE	DATE	DATE

Project Overview



Project Overview

PHOTO 12

PHOTO 13

PHOTO 14

PHOTO 15

PHOTO 16

PHOTO 17

PHOTO 18

PHOTO 19

PHOTO 20

PHOTO 21

PHOTO 22 - EXISTING

PHOTO 22 - PROPOSED RENDERING (↓)
INCORPORATE INTO LANDSCAPE PLAN

JOB: PG-01	SHEET: 01	CI
CONSTRUCTION: 14-06-2017	CONTRACT NO: 170180	
DLS OR: 0-4-11	NO: 426-WSA	
DESIGN MGR: 0-1-08	NO: 0-1-08	B. B. ALL
INDEX NO: CPJ-061	0-1-08	

POST-BID REVISION

NO.	DESCRIPTION	BY	DATE

KEY NOTES:

SEE SHEET S-1 FOR CODED NOTES 1-6

SEE SHEET S-2 FOR CODED NOTES 7-11

SEE SHEET S-3 FOR CODED NOTES 12-14

NO.	DESCRIPTION	BY	DATE
PRE-BID REVISION			
DLS: RICE OF COLUMBIA			
WA L&L SURVEY ALL-11-0417			
MAIN AND D STREET PUMP AND STATIONS INTERMEDIATE UPDATES			
MAIN PUMPING STATION			
FLOOD MITIGATION			
PHOTOS - NORTH			
STRUCTURAL			
NOVA	FORMS	RC	
INTERPROS	CHECKED	PM	
SPS OF	DESIGNED	BY	TOBOWAN
SURVEYS			
DATE	2/11/2019	REWORKED	
GOOD FILE	8:00 AM - 10:30 AM		

Project Overview

PHOTO 24 - EXISTING

PHOTO 25 - PROPOSED RENDING
INCORPORATE INTO LANDSCAPE PLAN

PHOTO 26 - EXISTING

PHOTO 27 - PROPOSED RENDING
INCORPORATE INTO LANDSCAPE PLAN

PHOTO 28 - EXISTING

PHOTO 29 - PROPOSED RENDING
TEMPORARY VENTILATION PIPES
INCORPORATE INTO LANDSCAPE PLAN

PHOTO 30 - EXISTING

PHOTO 31 - EXISTING

PHOTO 32 - EXISTING
TEMPORARY VENTILATION PIPES

PHOTO 33 - PROPOSED INSIDE

PHOTO 34 - EXISTING

PHOTO 35 - EXISTING

PHOTO 36 - EXISTING

NOTE:
PROPOSED STOP LOG MOUNTING BRACKET NOT VISIBLE IN VIEWS 13, 14.

REFER TO DETAIL D ON SHEET S-5 FOR INSTALLATION OF STOP LOG CHANNEL WEDGE IN VESTIBULE

INSTALL STOP LOG CHANNEL NECESSARY IN CONCRETE

REMOVE EXISTING CONCRETE

NO.	DESCRIPTION	BY	DATE
	PROJ. 3-D REVISION		

DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY
MAIN AND D STREET PLUMBING STATIONS IMMEDIATE UPGRADES
MAIN PLUMBING STATION
PHOTOIDS - NORTH

DATE: 5/14/2019
DRAWN BY: [Name]
CHECKED BY: [Name]

OBRIEN & GERE
2001 WHEELER RD
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FALLS CHURCH, VA 22034
TEL: 703-271-1922
FAX: 703-271-1923

PROJECT: [Name]
SCALE: [Scale]
SHEET NO.: [Number]