



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

Division of Water Quality
Municipal Finance & Construction Element
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PO Box 420
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Phone 609-633-1170
Fax 609-633-8165

OCT 20 2015

**Washington Township Municipal Utilities Authority
Forrest Drive Pump Station Replacement
Washington Township, Gloucester County
Project Number 340930-04**

To All Interested Government Agencies and Public Groups:

The Washington Township Municipal Utilities Authority (WTMUA) is pursuing financial assistance from the New Jersey Environmental Infrastructure Financing Program for the replacement/installation of a new wet well pump station at the existing Forrest Drive location in Washington Township due to old age and deterioration. The project also includes the construction of 20 linear feet of 10-inch diameter PVC gravity sewer line, the construction of 65 linear feet of 6-inch diameter DIP force main and the demolition of the existing underground dry/well/wet well pump station, the auxiliary wet well and the pump station building. The proposed project will not result in the expansion of the sewer service area or the increase in capacity of the Forrest Drive Pump Station.

The Department has reviewed the proposed action for potential environmental impacts in accordance with N.J.A.C. 7:22-10. Based on planning information submitted in support of the proposed action, the Department has determined that it qualifies for a Level 1 environmental review. The rules provide that this level applies to certain categories of actions that are expected to have little or no adverse environmental impact.

Based on the Level 1 environmental review, the Department has made a decision to approve the planning information for the proposed action. This decision is a part of the financial assistance application process, but is not a commitment of federal or state funds. An environmental summary of the proposed action, including the basis for determining that it qualifies for a Level 1 environmental review, is enclosed. The applicant is responsible for advertising this decision and for making the planning and decision documentation available for public review.

Project Cost: \$ 985,110

Proposed Loan: \$ 985,110

Comments supporting or disagreeing with this determination should be addressed to:
Gautam Patel, Bureau Chief, Bureau of Environmental, Engineering and Permitting,
Municipal Finance and Construction Element, 3rd Floor, 401 East State Street, Mail Code
401-03D, P.O. Box 420, Trenton, New Jersey, 08625-0420.

Sincerely,



for Eugene J. Chebra, P.E.
Assistant Director
Municipal Finance and Construction Element
Division of Water Quality

Enclosure

Environmental Summary

Washington Township Municipal Utilities Authority
Forrest Drive Pump Station Replacement
Washington Township, Gloucester County
Project Number 340930-04

I. Proposed Action

Washington Township (Township), located in Gloucester County, occupies approximately 21.6 square miles and is bordered by Runnemede Borough and Gloucester Township in Camden County and Deptford Township, Mantua Township, Pitman Borough, Glassboro Borough and Monroe Township in Gloucester Township in Gloucester County (Figure 1). The population of the Township is 48,559 according to the 2010 United States Census. The Washington Township Municipal Utilities Authority (WTMUA) consists of 29 pumping stations, two metering stations and approximately 175 miles of gravity mains which ultimately conveys sewerage flows to the Gloucester County Utilities Authority (GCUA) for treatment at the GCUA Wastewater Treatment Plant.

The Township's proposed project entails the demolition, removal and disposal of the existing Forrest Drive sanitary sewer pump station (Figure 2) and the installation of a replacement sanitary sewer pump station within the demolished pump station footprint (Figure 3).

The Forrest Drive Pump Station is nearing the end of its useful life. The existing pumps at the pump station are in need of replacement due to excessive pump running times. The Township can receive a cost savings by eliminating the existing pumps and pump station by providing new, more efficient submersible pumps. Furthermore, the metal cans for the drywell and wet well have lost metal thickness with age and are in need of replacement (Table 1).

The Forrest Drive Pump Station site, which is approximately 2,100 square feet in size, is located in an existing developed site with an underground wet well and valve vault, underground gravity sewer mains and force main, and a fifteen feet wide asphalt driveway. The existing pump station site is surrounded by various species of evergreens such as Arborvitaes, which were planted for the sole purpose of providing screening of the pump station for nearby residences. All grass areas and shrubs disturbed during construction will be replaced in kind at a minimum. This project will involve removing the existing structures mentioned above and replacing them with similar structures. The entire 2,100 square feet site will be disturbed as a result of the proposed project. There will be no need to acquire or disturb additional property for this project.

The average daily flow to the existing Forrest Drive pump station is 325 gallons per minute (gpm). The proposed project will not result in the expansion of the sewer service area or the increase in capacity of the pump station.

The proposed projects will not result in any direct or indirect adverse impacts to environmental critical areas such as vernal habitats, wetlands, floodplains, steep slopes, endangered or threatened species and their designated habitats, important farmlands, agricultural development areas, steep slopes, important aquifer recharge areas, stream corridors, parks and preserves or designated wild and scenic rivers.

The proposed project has been reviewed for its potential to affect significant cultural resources. All construction will occur in existing structures or in areas that have been disturbed by previous construction. Therefore, it has been determined that the proposed project will not have an adverse effect on properties listed or eligible for listing on the New Jersey and National Registers of Historic Places.

The WTMUA obtained Treatment Works Approval (TWA) from the Division of Water Quality issued on August 10, 2015 to construct 20 linear feet of 10-inch diameter PVC gravity sewer line and 65 linear feet of 6-inch diameter DIP force main, to demolish the existing underground dry/well/wet well pump station and the auxiliary wet well pump station and to replace/install a new wet well pump station at the existing Forrest Drive location in Washington Township.

All soil erosion impacts for the above project will be avoided or minimized by requiring effective erosion control measures to be used during construction in accordance with the "Standards for Soil Erosion and Sediment Control in New Jersey" and the "Environmental Assessment Requirements for State Assisted Environmental Infrastructure Facilities" (N.J.A.C. 7:22-10.11).

As the proposed project will be constructed in a residential area, it is expected that residents will experience temporary visual impacts. Construction of the propose project may cause nuisances to residents as a result of noise, dust, and traffic detours. These impacts will be localized. However, this will be a temporary construction phase and will only be permitted between the hours of 8:00 A.M. and 5:00 P.M. In addition, other unavoidable construction related noise impacts will be minimized by requiring construction vehicles to be equipped with proper mufflers, limiting the number of machines in operation and limiting construction to avoid weekends and holidays.

The WTMUA indicates there will be no increase to the existing user cost at this time. This project is being coordinated with the retirement of debt on previous capital improvements. This project is designated as part of a yearly maintenance program.

II. Alternatives Considered

A. Replacement of the Forrest Drive Pump (No Action)

Under this alternative, the aging Forrest Drive pump station would continue to deteriorate resulting in continued maintenance and maintenance costs of the station. This alternative would not advance the goal of reducing maintenance related to the existing antiquated pump station. Therefore, this alternative was rejected.

B. Replacement of the Forrest Drive Pump Station (Selected Plan)

Under this alternative, the Forrest Drive pump station would be replaced allowing for the goal of reducing maintenance and maintenance cost to operate the existing antiquated pump station. Therefore, this alternative was selected.

III. Eligibility for Level 1 Environmental Review

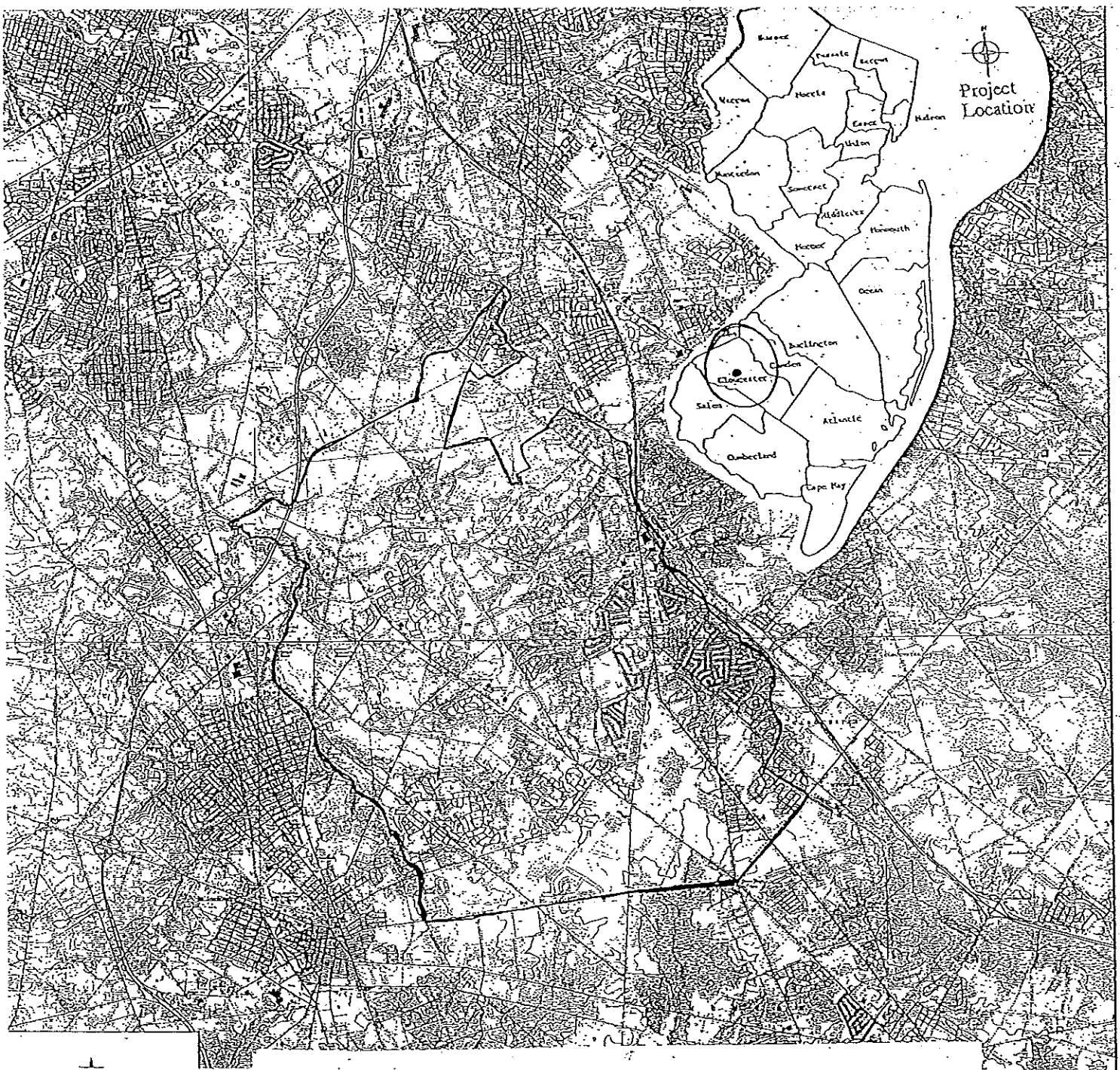
The proposed project conforms to a category of actions eligible for a Level 1 environmental review because it proposes rehabilitation, repair or replacement of existing environmental infrastructure facilities or construction of ancillary facilities or minor improvements to environmental infrastructure facilities which do not create a new discharge, reduce the level of treatment, or result in an increase in the quantity of flow of an existing discharge.

Information regarding the proposed project leads to the conclusion that none of the criteria for disqualifying an eligible category for a Level 1 environmental review are present:


- 1) the project is not expected to have a permanent adverse or a significant temporary adverse effect on the human environment;
- 2) the project is not expected to have a permanent adverse or a significant temporary adverse direct or indirect impact on cultural resources, endangered or threatened species or designated habitats, wetlands, floodplains, important farmlands or other environmentally critical areas;
- 3) the user cost for the project will be below 1.75 percent of the median annual household income; and
- 4) the project is not expected to result in significant adverse public comment.

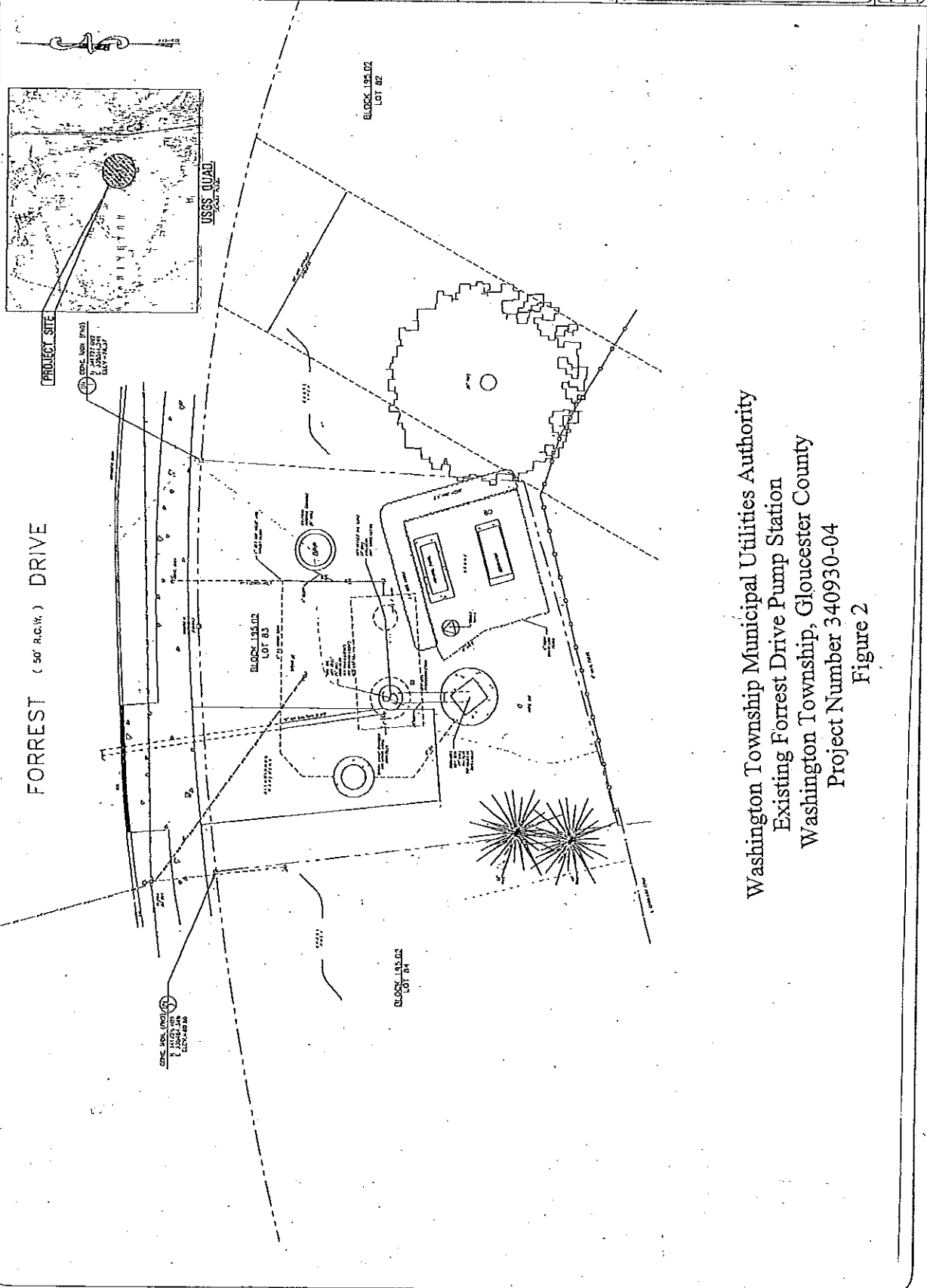
IV. Conclusion

The environmental review of this project indicates that it conforms to a category of projects that, by their nature, generally will have little or no adverse impact on the environment. Project documentation submitted in support of this project and reviewed by the Department indicates that the potential for environmental impacts will be minor. The potential for impacts will be further minimized by incorporating the standard environmental protection measures contained in the "Environmental Assessment Requirements for State Assisted Environmental Infrastructure Facilities" (N.J.A.C. 7:22-10) into the design and construction of the project. In addition, permits will be required to be in place before project construction can proceed.



Washington Township Municipal Utilities Authority
Forrest Drive Pump Station Replacement
Washington Township, Gloucester County
Project Number 340930-04
Figure 1

 REMINGTON & VENUTICE ENGINEERS 200 WEST 10TH STREET WASHINGTON, D.C. 20004 TEL: (202) 638-1100 FAX: (202) 638-1101 WWW: WWW.REMINGTON-VEV.COM	CHARLES E. ADAMSON PROFESSIONAL LAND SURVEYOR, LICENSE NO. 1000	DENNIS K. YODER PROFESSIONAL LAND SURVEYOR, LICENSE NO. 1000	EXISTING TOPOGRAPHIC CONDITIONS PLAN FOREST DRIVE PUMP STATION REPLACEMENT 2014 PROJECT	SHEET NO. 3 OF 3
	THIS PLAN IS THE PROPERTY OF REMINGTON & VENUTICE ENGINEERS, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF REMINGTON & VENUTICE ENGINEERS, INC.			DATE: 11/15/14 DRAWN BY: J. H. [unclear] CHECKED BY: [unclear]



Washington Township Municipal Utilities Authority
 Existing Forrest Drive Pump Station
 Washington Township, Gloucester County
 Project Number 340930-04
 Figure 2

REIDENSTON & VEINIKOS ENGINEERS
 212 N. WASHINGTON ST. SUITE 200
 CHICAGO, ILL. 60606
 PHONE (773) 327-1000
 FAX (773) 327-1001
 WWW.REIDENSTON.COM

DENNIS K. YODER
 PROFESSIONAL ENGINEER
 LICENSE NO. 21888

RICHARD B. CZEKANSKI
 PROFESSIONAL ENGINEER
 LICENSE NO. 21889

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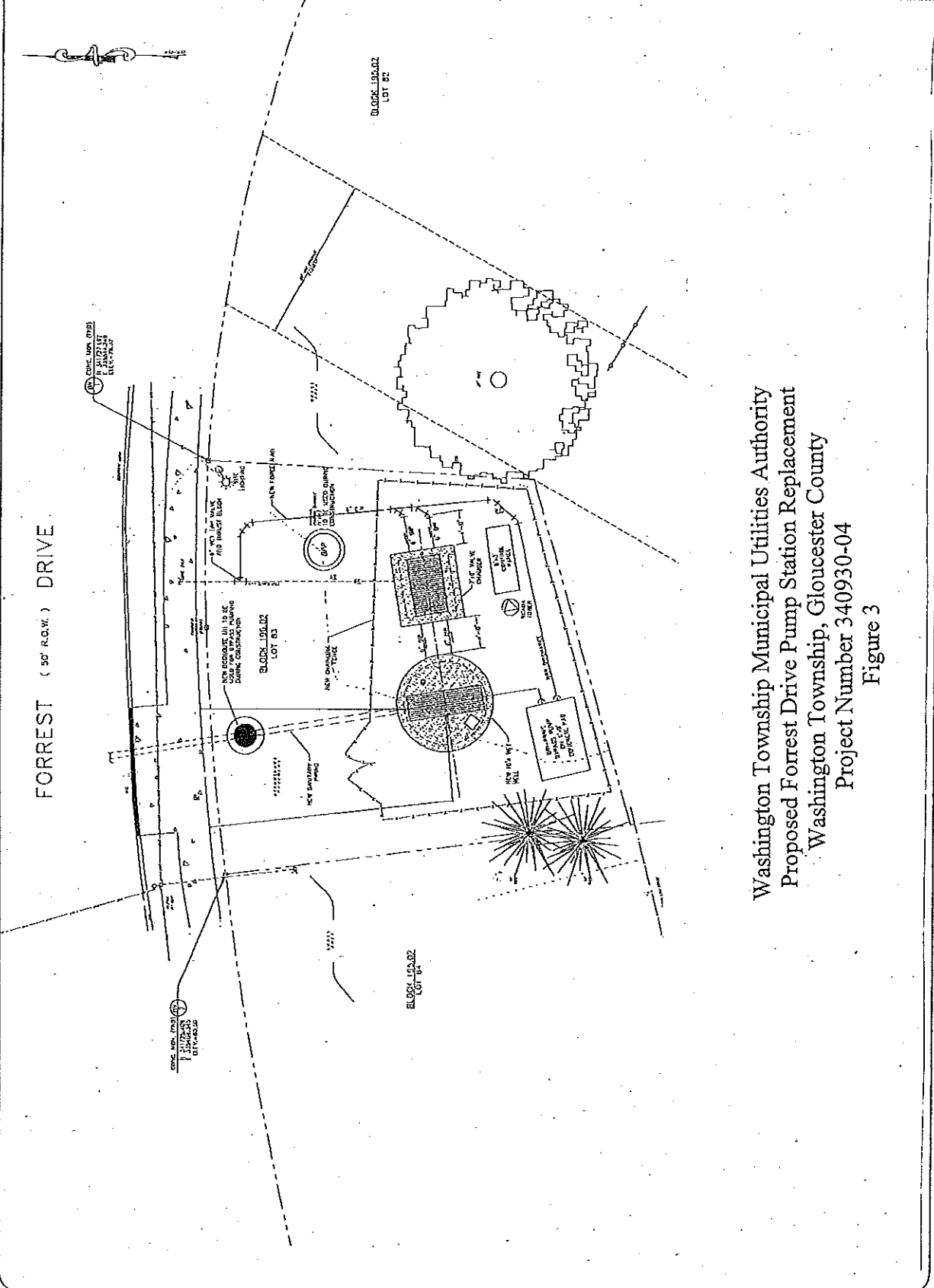
PROPOSED CONDITIONS PLAN

FORREST DRIVE
 PUMP STATION REPLACEMENT

PROJ. NO. 340930-04

DATE: 11/20/2024

SCALE: 1" = 40'



Washington Township Municipal Utilities Authority
 Proposed Forrest Drive Pump Station Replacement
 Washington Township, Gloucester County
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Figure 3

SCOPE OF WORK

1.01 DESCRIPTION

- A. In general, the work on this project consists of the furnishing and installation of a raw sewage pump station known as the "Forrest Drive Pump Station" for the Washington Township Municipal Utilities Authority, Gloucester County, New Jersey.

1.02 DESCRIPTION OF WORK

- A. In general, the work on this project consists of the following major components of work:

1. Provide demolition, removal, and disposal of the existing sanitary sewer pump station including but not limited to:
 - wet well and dry well
 - auxiliary wet well
 - wet well bar screen
 - wet well hardware, top slab and grout
 - pumps and guide rails
 - pump control system
2. Furnish and install a new sanitary sewer pump station and force main including but not limited to:
 - wet well and other precast concrete structures
 - submersible pumps
 - guide rails
 - influent piping bar screen
 - traffic control
 - force main piping
 - pipe fittings
 - wet well top slab and access door
 - pump control system
 - painting
 - landscaping
 - miscellaneous site work
3. Provide related hardware, appurtenances, and details.
4. Provide site clearing, grading, and improvements.
5. Provide site and work area restoration.
6. Maintain uninterrupted sanitary sewer service to the pump station service area for the duration of work.

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