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CITY OF NEW BEDFORD MASSACHUSETTS

DEPT. OF PUBLIC WORKS

133 WILLIAM STREET



SDMS DocID 46286

LAWRENCE D. WORDEN
COMMISSIONER

May 5, 1998

Mr. David Dickerson
U.S. EPA - Region 1
JFK Federal Building (HBO)
Boston, MA 02203

Superfund Records Center

SITE: New Bedford

BREAK: 04.01

OTHER: 46286

Dear Mr. Dickerson;

The City of New Bedford has reviewed the information which you provided on the New Bedford Harbor Superfund Site to determine the impact it will have on the City's outfall system. We have also completed a feasibility study to determine means by which the flow from the affected outfalls may be rerouted if the remediation is implemented as proposed. This letter provides a summary of our comments and an outfall relocation plan for your consideration.

The proposed remediation includes four Confined Disposal Facilities (CDFs) along the west shore of the Acushnet River/Inner Harbor. The CDFs consist of earth dikes and sheet pile walls which will contain PCB contaminated sediments dredged from the river bed.

One CDF site, CDF A, will not impact any of the City's outfalls. The three other CDF sites, CDFs B, C and D, will obstruct outfalls at six locations, requiring construction of new pipelines to reroute flow from these outfalls. The affected outfalls are as follows:

CDF B

1. 51-in. x 60-in. pipe east of Belleville Road
2. 48-in. and 60-in. diameter pipes at the east end of Manomet Street

CDF C

1. 72-in. diameter pipe at the east end of Sawyer Street

CDF D

1. Two 36-in. diameter pipes at the junction of North Front Street and Wamsutta Street

2. 72-in. x 72-in. pipe approximately 500 feet south of the outfall at North Front and Wamsutta Streets
3. 24-in. diameter pipe approximately 1,100 feet south of the outfall at North front and Wamsutta Streets

Due to the possibility of contamination if a pipe were to be breached, we have assumed that extending the existing outfall pipes through the CDF sites is not an acceptable option. Although it is technically feasible to design outfall extensions to reasonably assure that the new pipes within the CDFs will not be breached, this approach is probably considered mor costly than constructing new pipes to reroute flow around the sites. Accordingly, we have developed study level plans for sewer and drain system modifications to divert flow from the affected outfalls around the CDF sites.

Rerouting plans were evaluated for their technical feasibility, maintenance requirements and compatibility with future infrastructure planning. In general, consolidation of the outfalls to the maximum extent possible is most preferable to the City in terms of system maintenance and infrastructure planning. The proposed system modifications are described as follows:

CDF B

Rerouting all flow south to Coffin Avenue will enable the City to consolidate flow from three locations (Belleville Road, Manomet Street and Coffin Avenue). The piping required to accomplish this is shown on Figure 1 and described as follows:

1. 1,230 feet of 54-in. and 30-in. diameter pipe south in Riverside Avenue from the junction of Belleville Road and Belleville Avenue to Manomet Street
2. 875 feet of 66-in. diameter pipe and 1,470 feet of 72-in. diameter pipe south in Riverside Avenue from Manomet Street to Coffin Avenue

CDF C

Rerouting flow from this outfall south to Coggeshall Street will enable the City to consolidate flow from two locations (Sawyer Street and Coggeshall Street). This will require installation of 2,000 feet of 84-in. diameter pipe south in Mitchell Street and east in Coggeshall Street from Sawyer Street to the Coggeshall Street Bridge as shown on Figure 2.

D. Dickerson
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CDF D

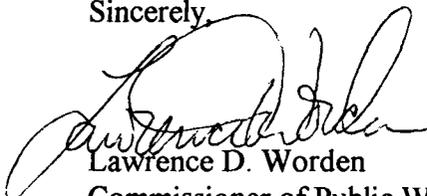
Rerouting flow from the two southerly outfalls south to Hervey Tichon Avenue will enable the City to consolidate flow from three locations. Flow from the remaining outfall at North Front and Wamsutta Street can be rerouted around the north side of the CDF site. The piping required to accomplish this, is shown on Figure 3 and described as follows:

1. 650 feet of 78-in. diameter pipe south in Herman Melville Boulevard between the two southerly outfalls
2. 1,000 feet of 84-in. diameter pipe south in Herman Melville Boulevard and east in Hervey Tichon Avenue connecting the two southerly outfalls to the outfall in Hervey Tichon Avenue
3. 700 feet of 48-in pipe from Wamsutta Street north in North Front Street and east in private property along the north side of the CDF site

The total estimated project cost for the outfall relocation plan is \$18,100,000 including construction, engineering and contingencies, at current prices. Table 1 shows the estimated cost for each project component.

The City appreciates your consideration of this matter. Please call myself, or Molly Fontaine, Environmental Planner, so we can discuss how to proceed.

Sincerely,



Lawrence D. Worden
Commissioner of Public Works

cc: George Leontire, City Solicitor
Ron Labelle, Wastewater Superintendent
Molly Fontaine, Environmental Planner

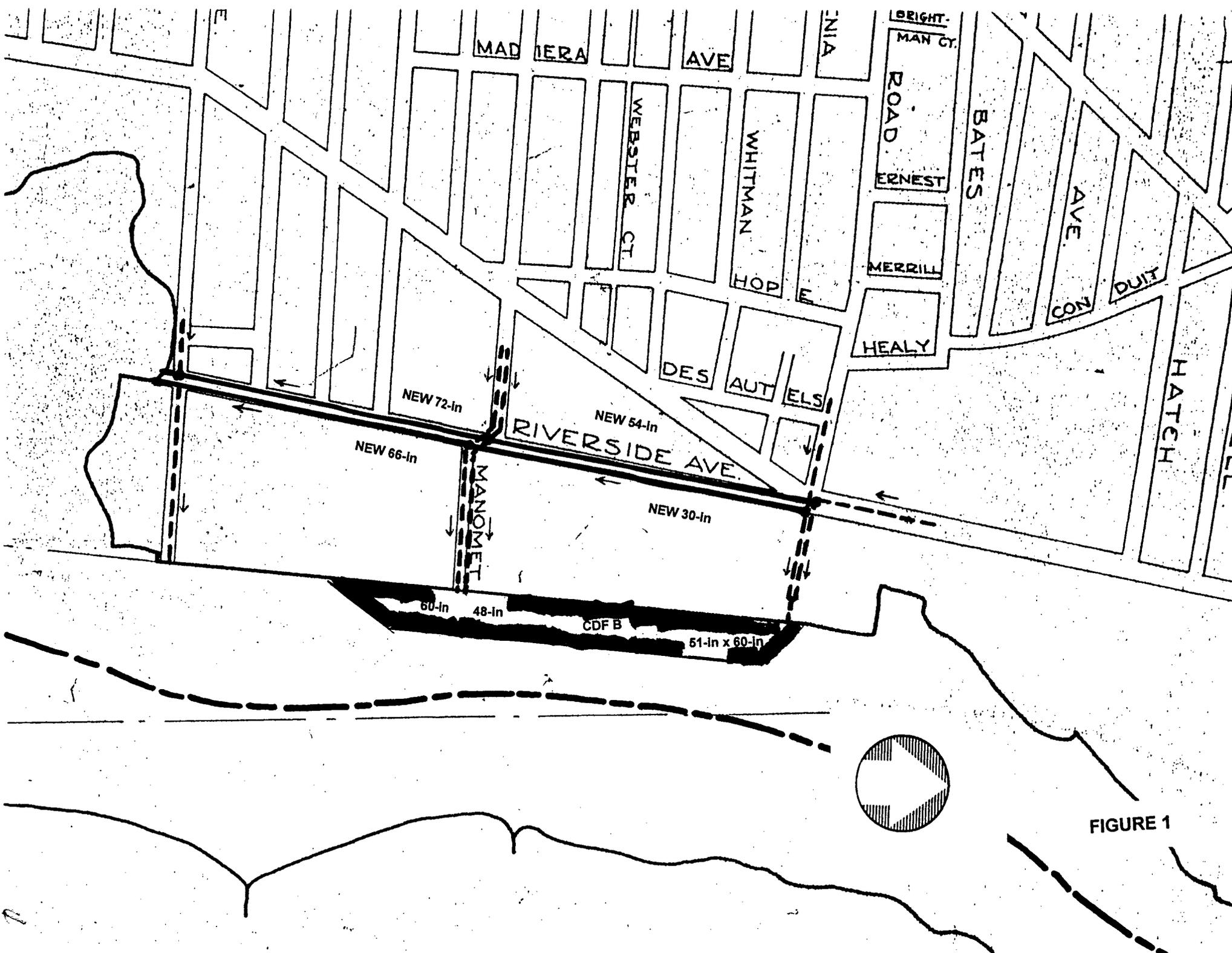


FIGURE 1

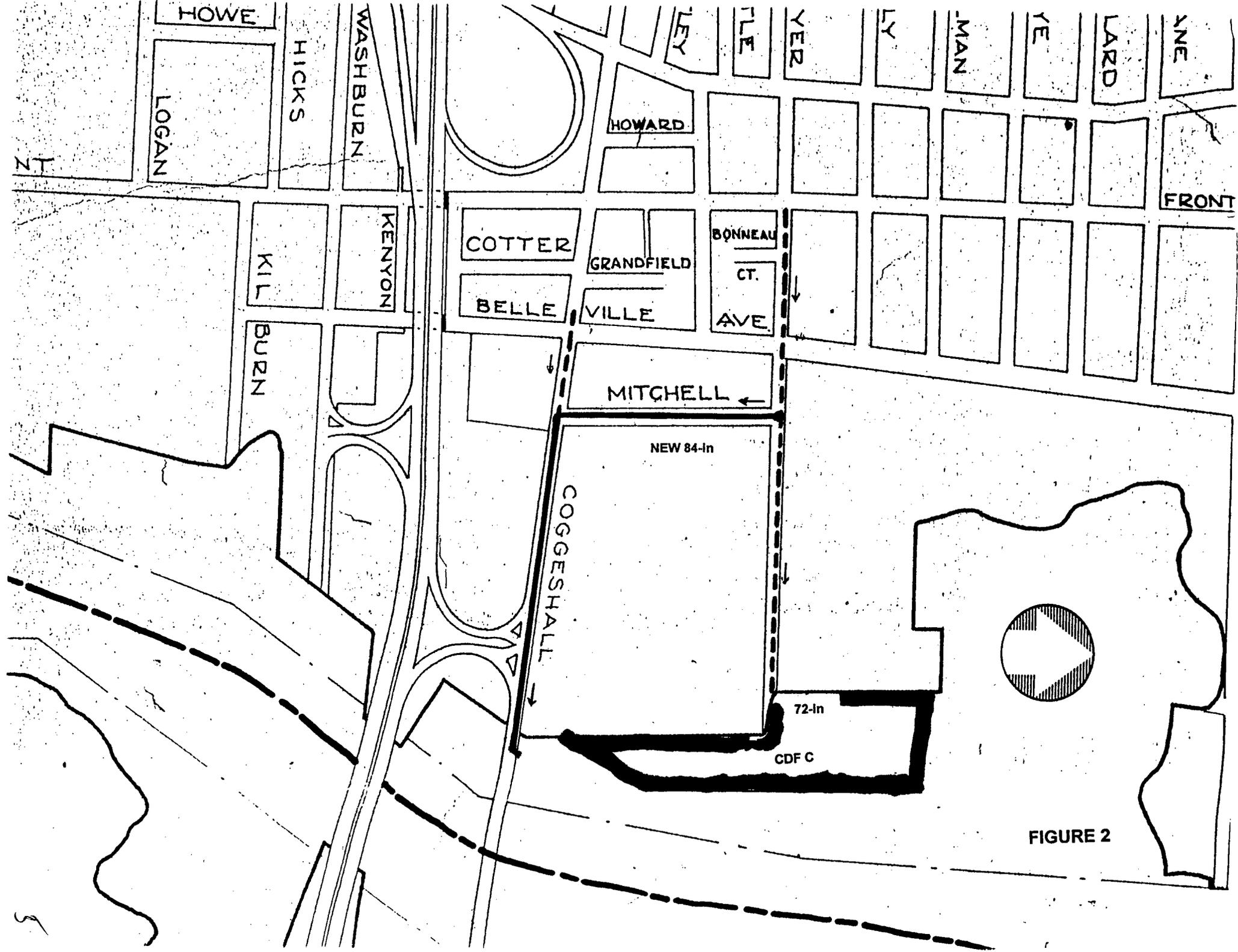


FIGURE 2

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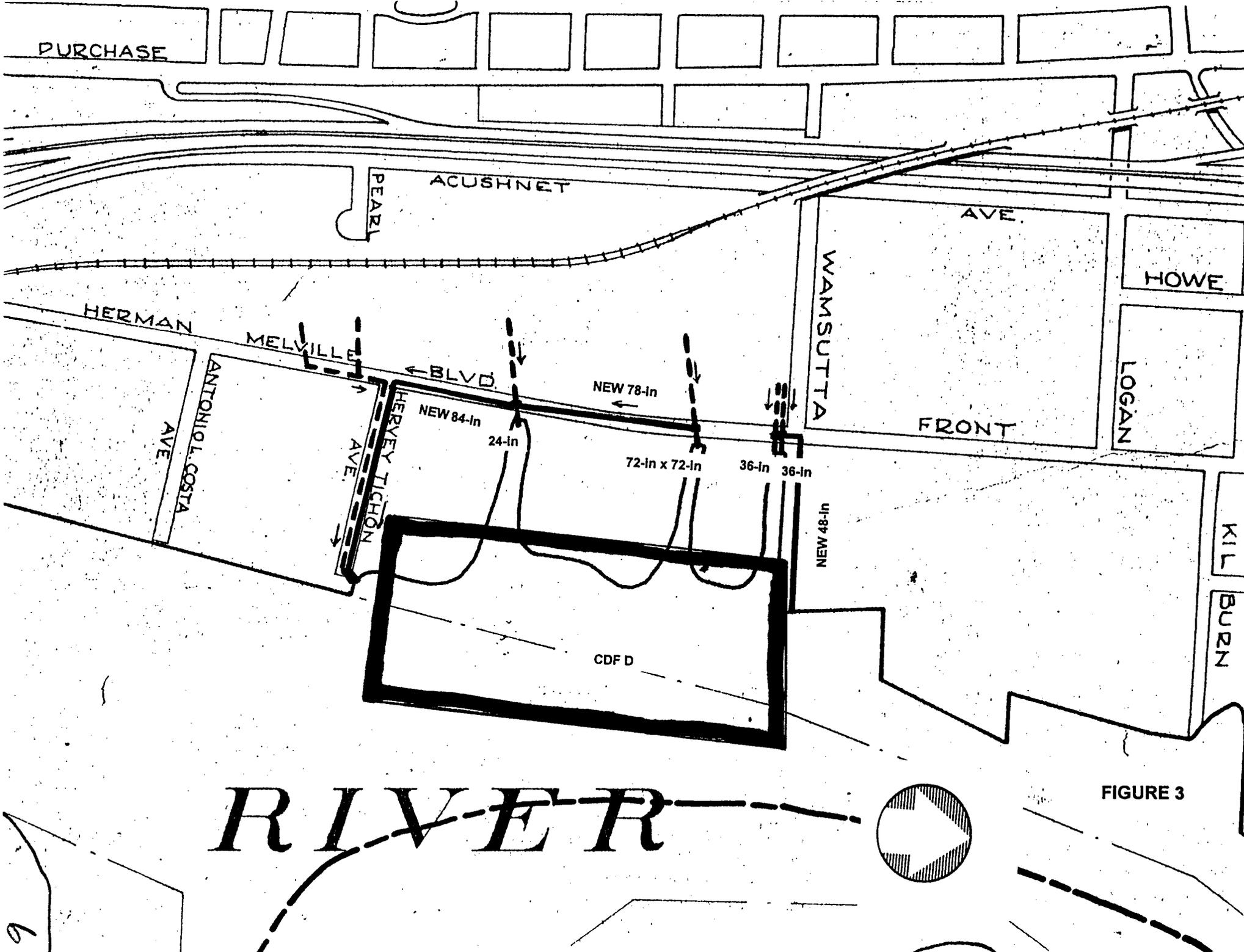


FIGURE 3

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**TABLE 1
CITY OF NEW BEDFORD
OUTFALL RELOCATION AT CDF SITES**

Location	Pipelines		
	Size	Length	Cost
	72	1,470	\$3,000,000
	66	875	\$1,400,000
	54	1,230	\$1,300,000
	30	1,230	\$400,000
Total CFD B			\$6,100,000
CFD C	84	2,000	\$7,000,000
Total CFD C			\$7,000,000
CFD D	84	700	\$2,000,000
	84	300	\$800,000
	78	650	\$1,600,000
	48	700	\$600,000
Total CFD D			\$5,000,000
Total Project			\$18,100,000