New Bedford Regulator Specification Sheet

Regulator #: R-020B

Location: Acushnet Ave. at Logan St.

Date: 6/25/25

Structure Measurements

Structure Type: Single manhole

Rim Elevation (ft City Datum): 14.7

Regulator Type: Fixed Weir

Overflow Height (ft or in): 14.5

Rim to Top of Weir (ft): 6.9

Weir Dims (ft or in): Length: 46.5"', Width: 6.5", Height: 14.5"

Influent pipe ⌀ (in): 42

Rim to Influent Invert (ft): 8.1

Dry Weather Connection ⌀ (in): 12" orifice to 18" sewer

Rim to Dry Weather Invert (ft): 8.1

Overflow pipe ⌀ (in): 42

Rim to Overflow Invert (ft): 8.1

Sensor Measurements

Block Present: Yes

Level Sensor Status: Metered

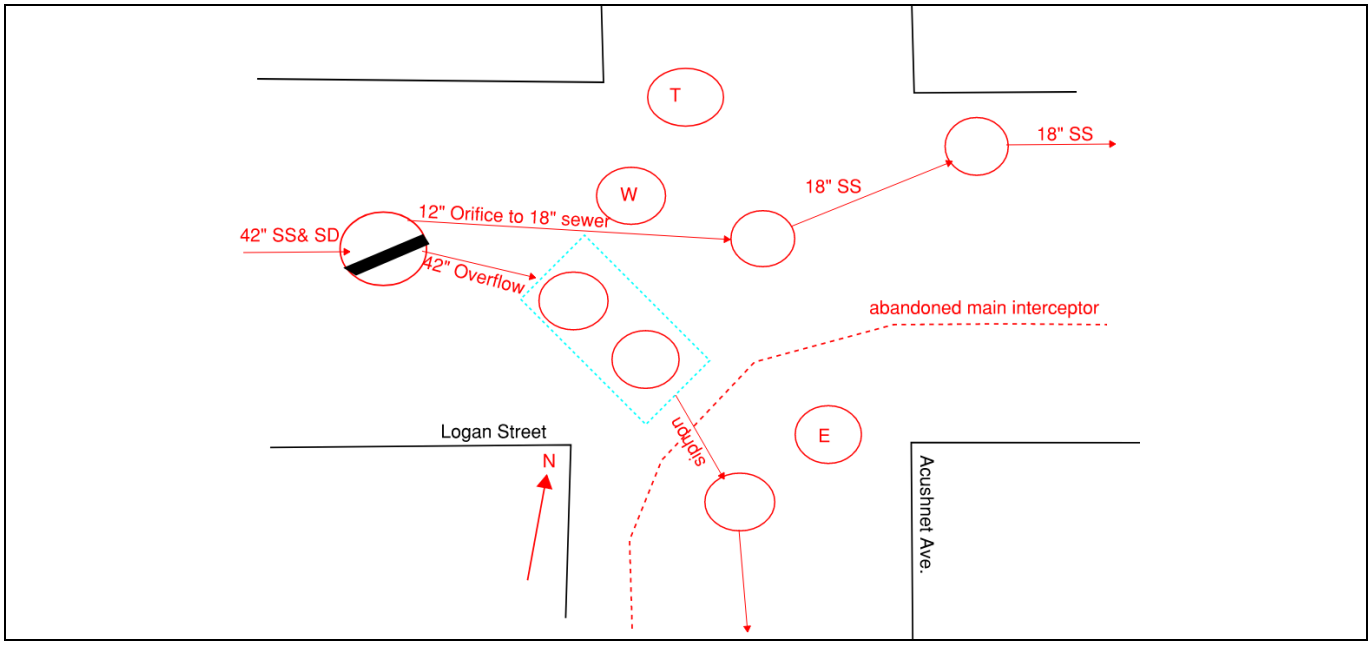
Sensor Installation Date: 10/15/2020

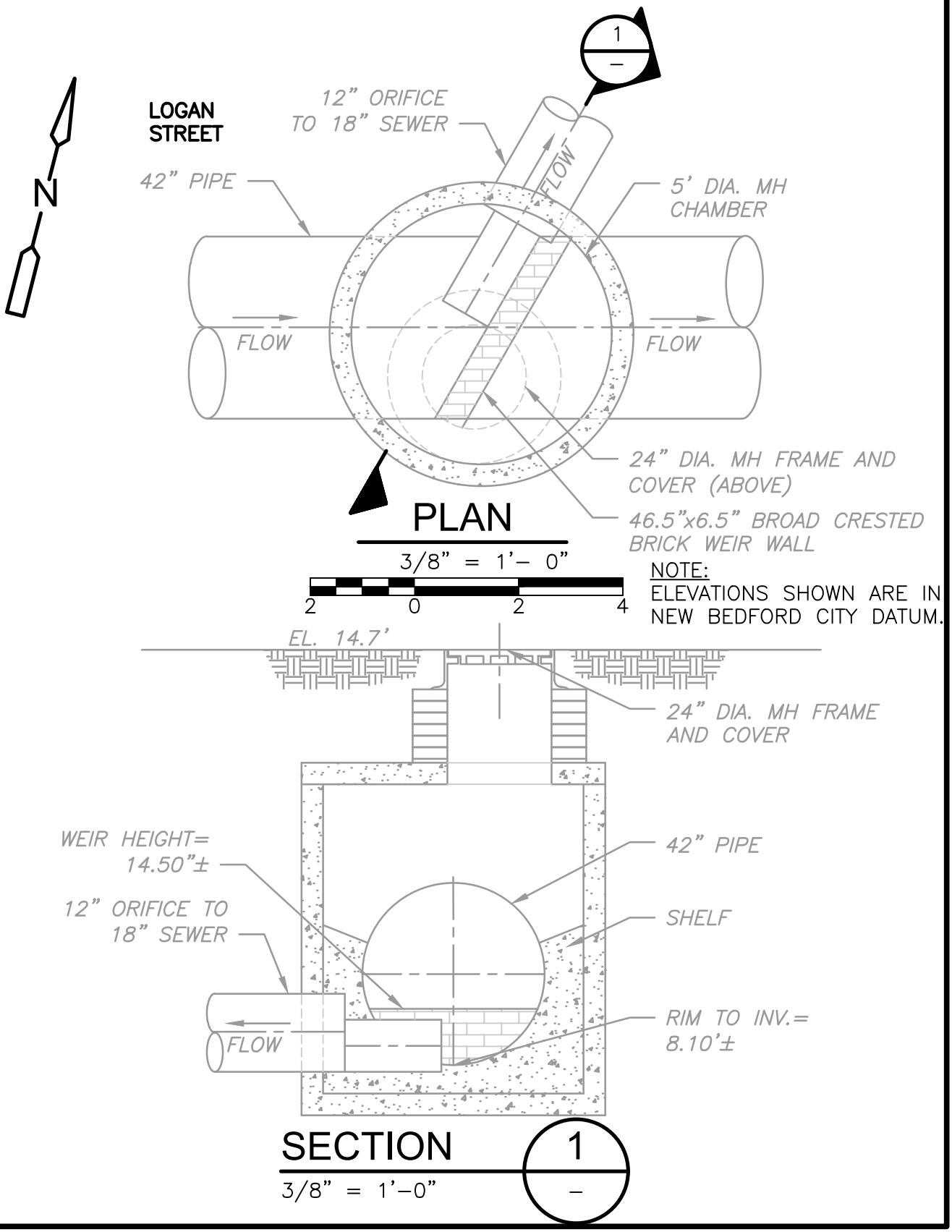
Intra-System Status: No

Tide Gate Status: Gate at outfall

Notes: RedZone LIDAR scan recorded a 42 " diameter for the incoming combined sewer and overflow, consistent with the Flow Assessment Services Site Sketch; the record drawing and sewer plot describe it as a 36" pipe.

Location Sketch:





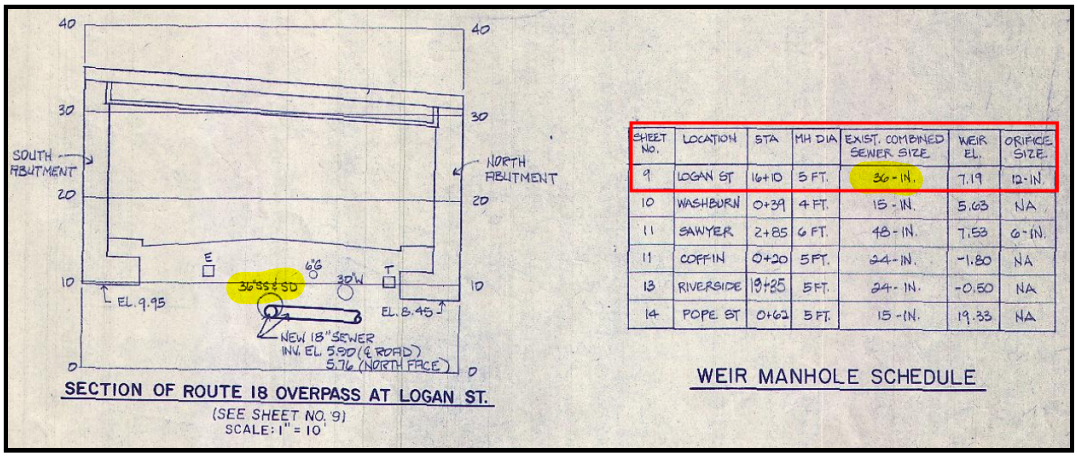
CDM Smith

R-020B

ACHUSNET AVENUE AT LOGAN STREET

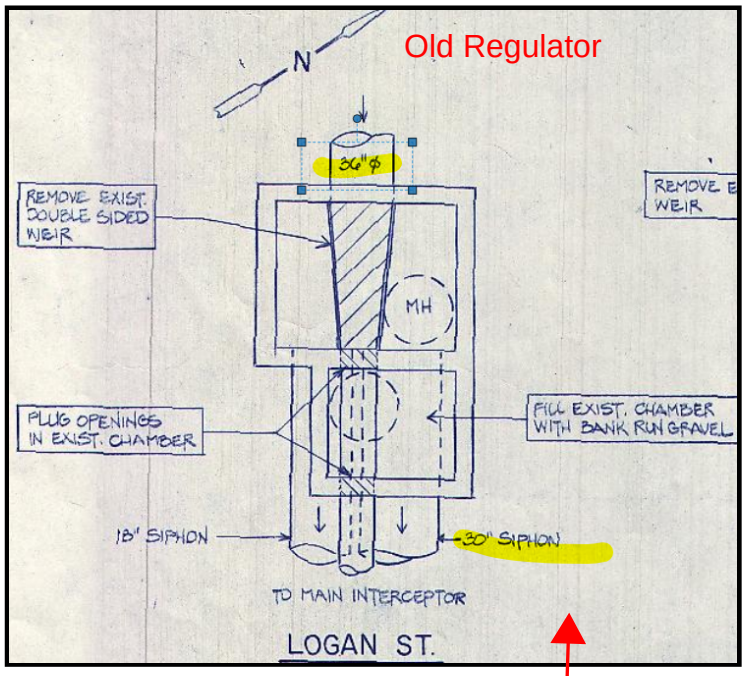
JUNE 2025

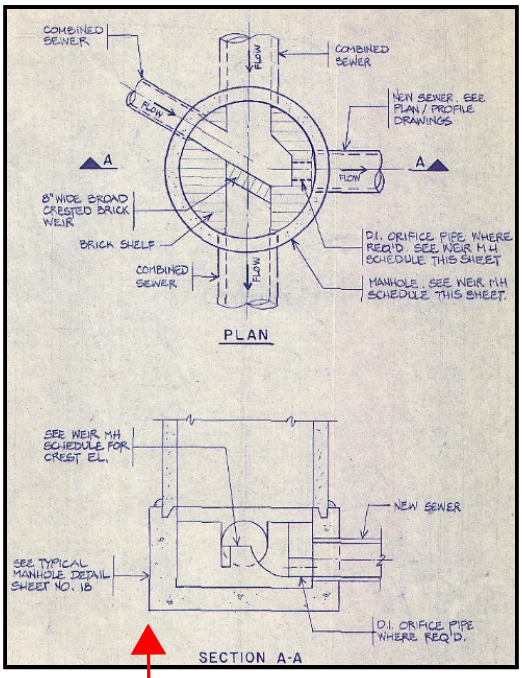
Relevant Notes from B-622 (pages 8, 9, and 16)

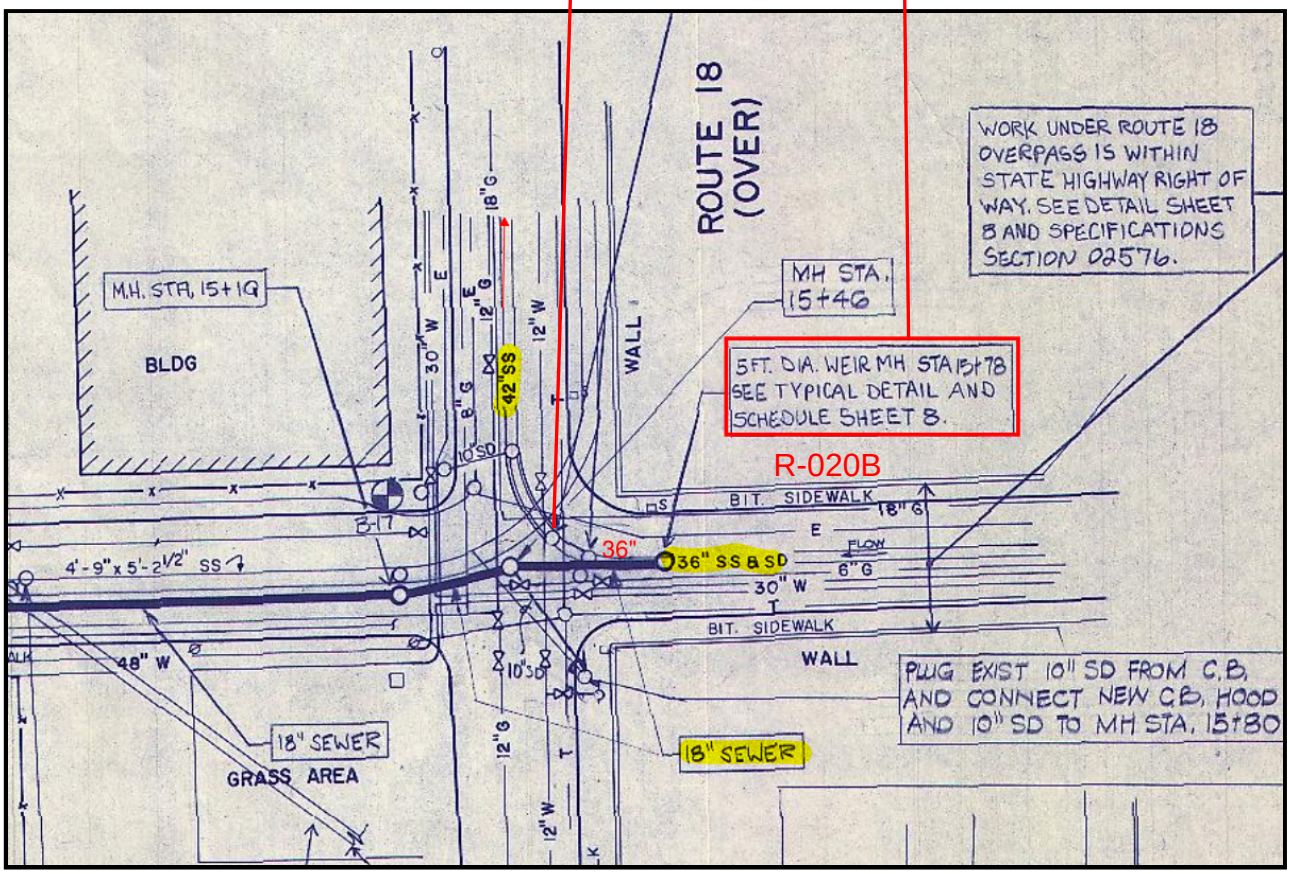


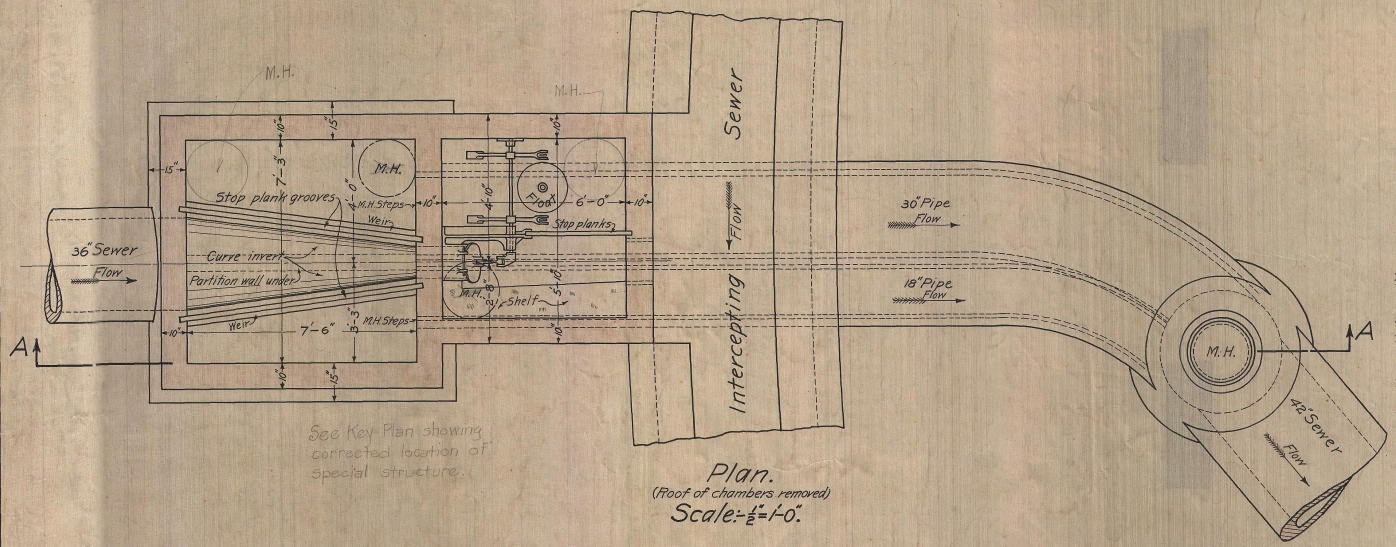
SHEET NO.	LOCATION	STA	MH DIA	EXIST. COMBINED SEWER SIZE	WEIR EL.	ORIFICE SIZE
9	LOGAN ST	16+10	5 FT.	36-IN.	7.19	12-IN.
10	WASHBURN	0+39	4 FT.	15-IN.	5.63	NA
11	SAWYER	2+85	6 FT.	48-IN.	7.53	6-IN.
11	COFFIN	0+20	5 FT.	24-IN.	-1.80	NA
13	RIVERSIDE	19+25	5 FT.	24-IN.	-0.50	NA
14	POPE ST	0+62	5 FT.	15-IN.	19.33	NA

WEIR MANHOLE SCHEDULE



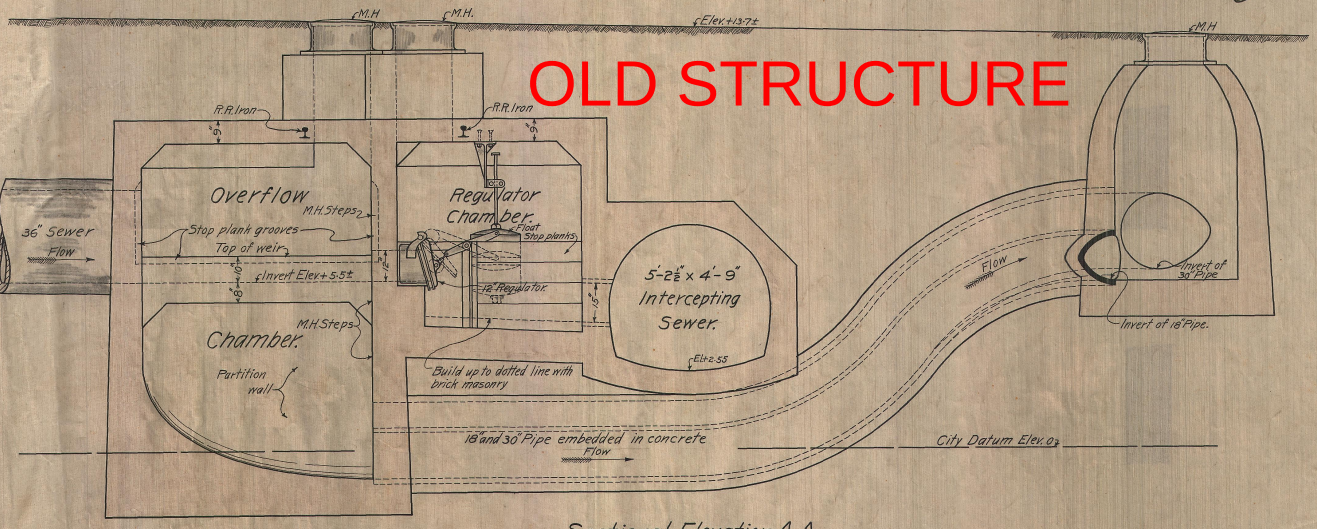






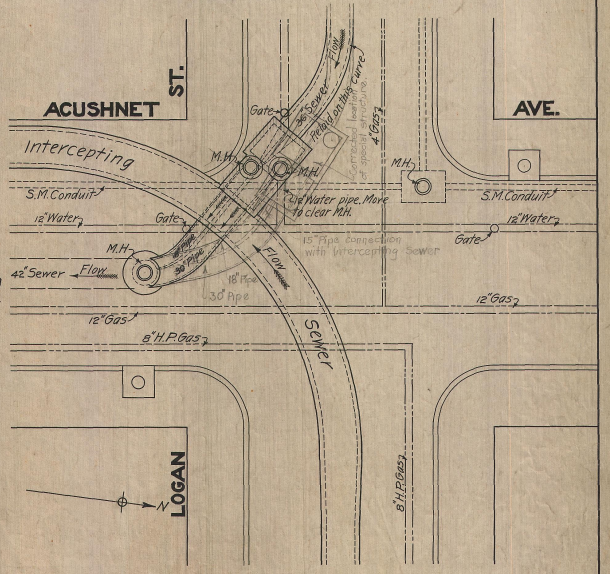
See Key Plan showing corrected location of special structure.

Plan.
(Roof of chambers removed)
Scale:- $\frac{1}{2}$"=1'-0".



OLD STRUCTURE

Sectional Elevation A-A.
Scale:- $\frac{1}{2}$"=1'-0".



Key Plan.
Scale:- 1"=10'-0".

Note: See revised general (white paper) drawings of Intercepting Sewer showing special structure at Logan St. and Acushnet Ave. as constructed.

City of New Bedford

Intercepting Sewer System

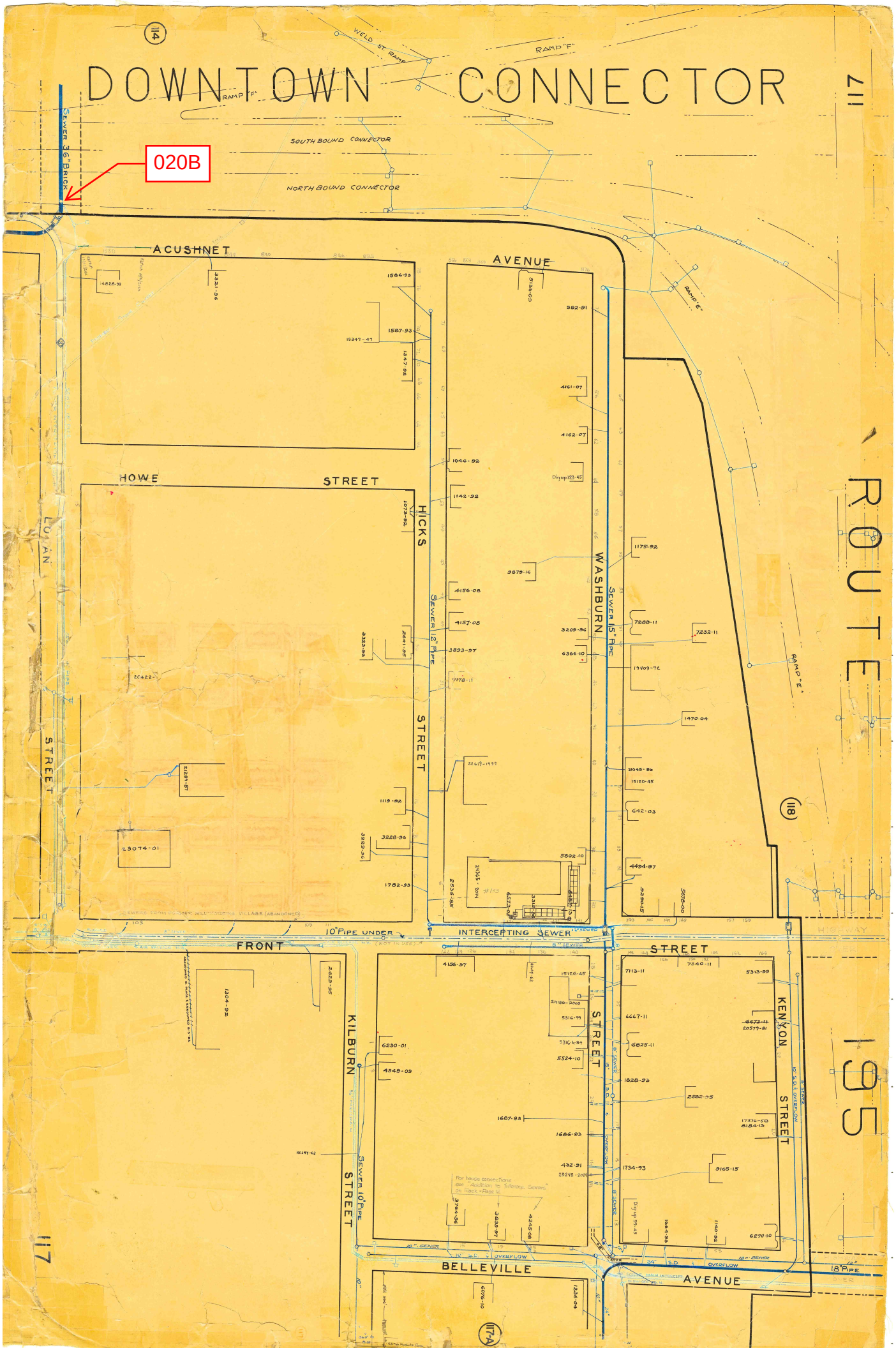
12-IN REGULATOR CONNECTION

at Logan St. and Acushnet Ave.

Scales as noted. July, 1915.

William F. Williams
Consulting Engineer.

Dr. A-8207


DOWNTOWN CONNECTOR
ROUTE 195
WELD ST. RAMP
RAMP "F"
RAMP "E"
SOUTH BOUND CONNECTOR
NORTH BOUND CONNECTOR
SEWER 36" BRICK
020B
ACUSHNET AVENUE
HOWE STREET
HICKS STREET
WASHBURN STREET
LUZAN STREET
FRONT STREET
KILBURN STREET
KENYON STREET
BELLEVILLE AVENUE
10" PIPE UNDER INTERCEPTING SEWER
SEWER 12" PIPE
SEWER 15" PIPE
SEWER 10" PIPE
18" PIPE
10" SEWER
12" SEWER
8" SEWER
OVERFLOW
114
117
118
117-A

REGULATOR FIELD PHOTOS

Figure 1

Figure 2

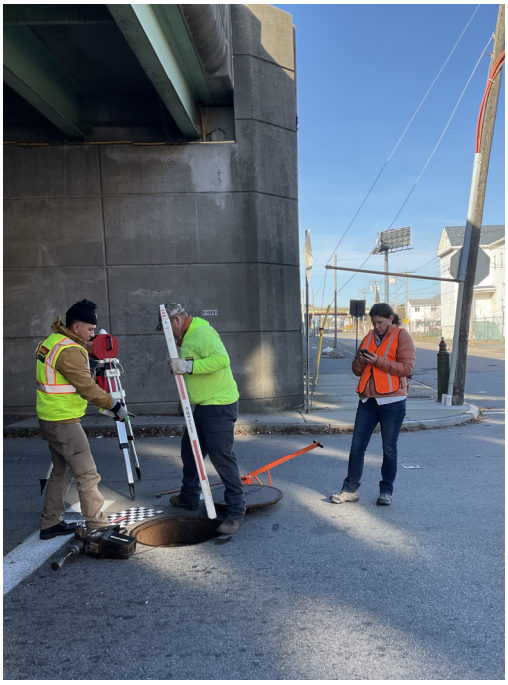


Figure 3

Descriptions:

Figure 1: Inside of R-020B. Inflow, outflow, weir, and overflow visible.

Figure 2: Location of manhole, facing north along Acushnet Ave.

Figure 3: Aerial location with arrow pointing to corresponding manhole.