

# New Bedford Regulator Specification Sheet

**Regulator #:** R-017A

**Location:** Rodney St. at E. Rodney French Blvd.

**Date:** 6/25/25

## Structure Measurements

**Structure Type:** Multichamber (3)

**Rim Elevation (ft City Datum):** 4.7

**Regulator Type:** High Level Outlet

**Overflow Height (ft or in):** 0.2'

**Rim to Top of Weir (ft):** 6 (invert of 12" opening)

**Weir Dims (ft or in):** 12" opening 0.2' above inlet elevation

**Influent pipe ø (in):** 15, 15

**Rim to Influent Invert (ft):** 6.2, 6.2

**Dry Weather Connection ø (in):** 8

**Rim to Dry Weather Invert (ft):** 6.3

**Overflow pipe ø (in):** 15

**Rim to Overflow Invert (ft):** 6.4

## Sensor Measurements

**Block Present:** No

**Level Sensor Status:** Metered

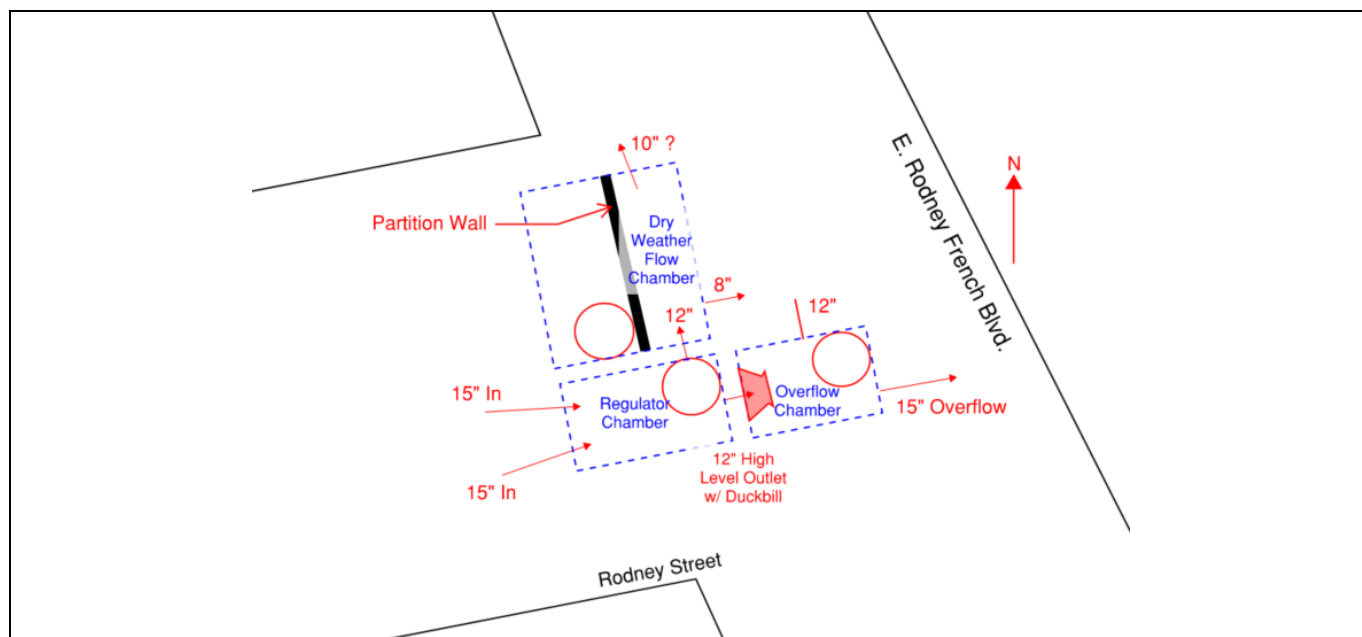
**Sensor Installation Date:** 2/17/2021

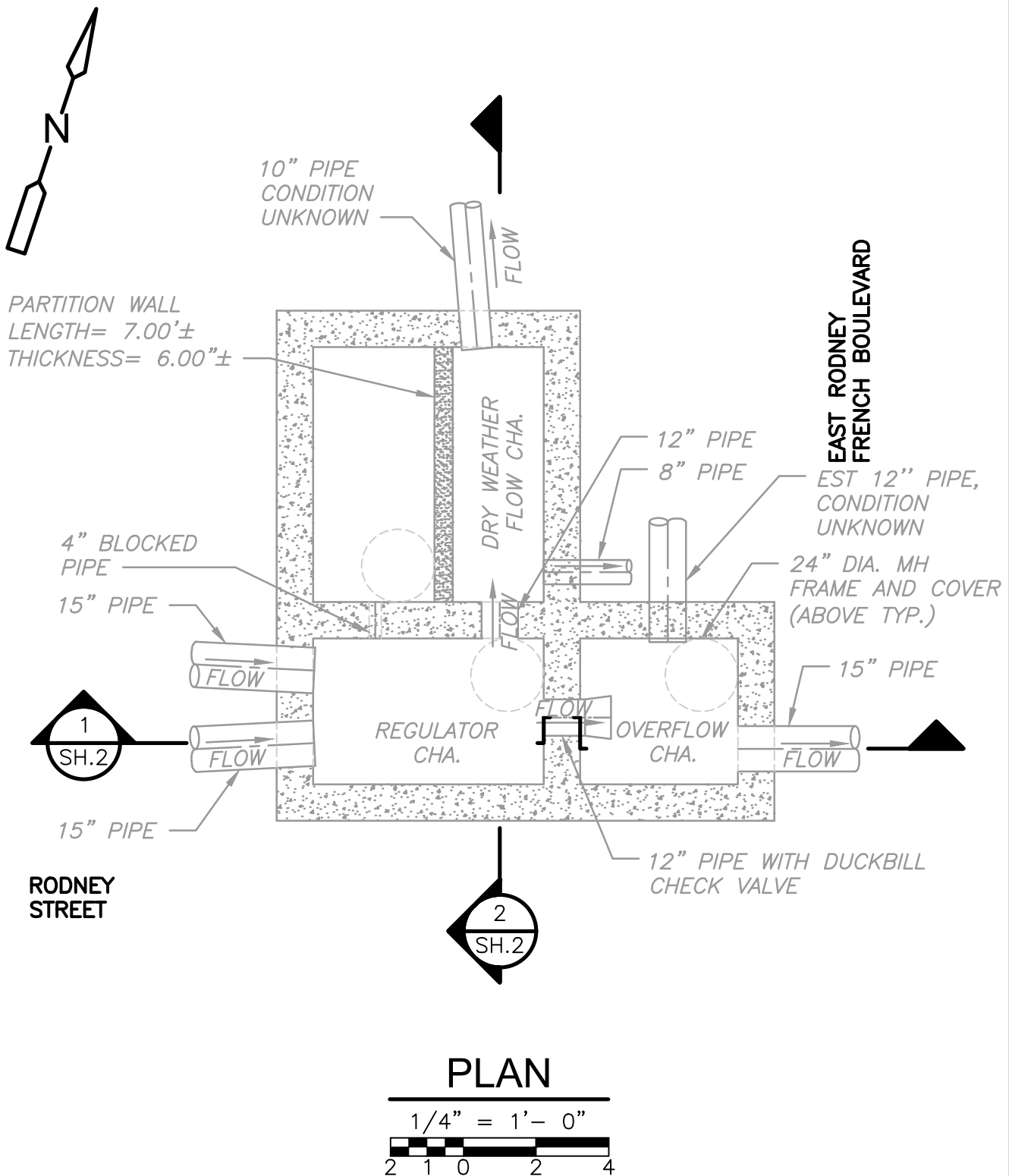
**Intra-System Status:** No

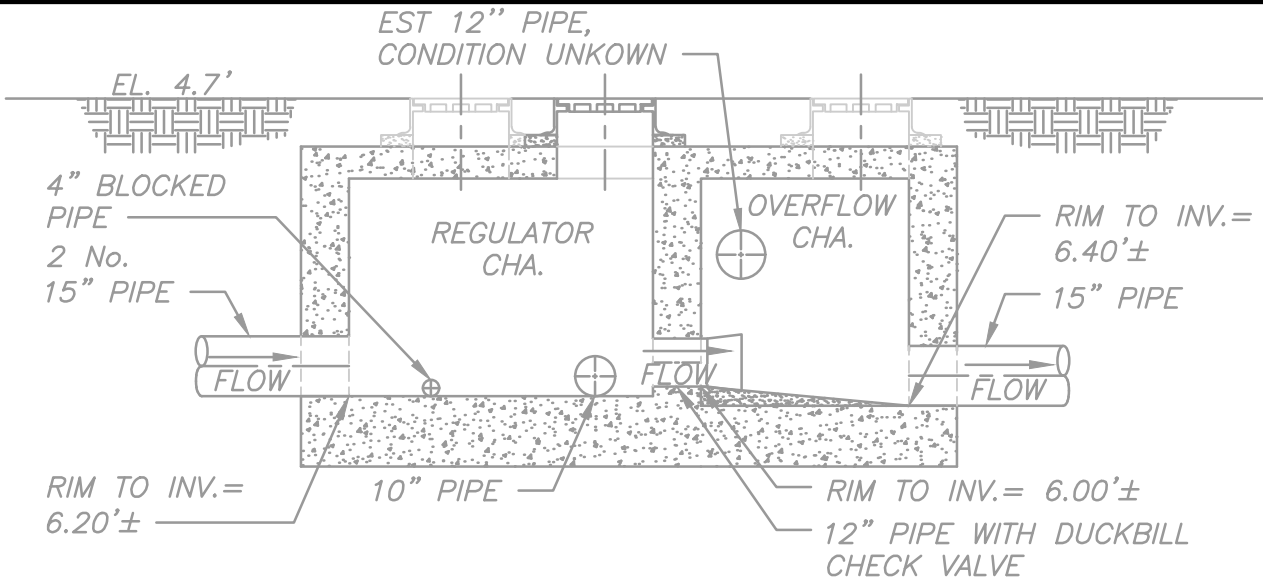
**Tide Gate Status:** Duckbill in overflow chamber

**Notes:** Only the inlet chamber was scanned by Redzone in 2023. Other dimensions and elevations were taken from record drawings P3467 and B-636. The tide gate was replaced with a 12" opening to duckbill gate. Tidal backflow through duckbill gate observed during high tide. An undocumented pipe in the overflow chamber is assumed to be a storm drain connection.

## Location Sketch:





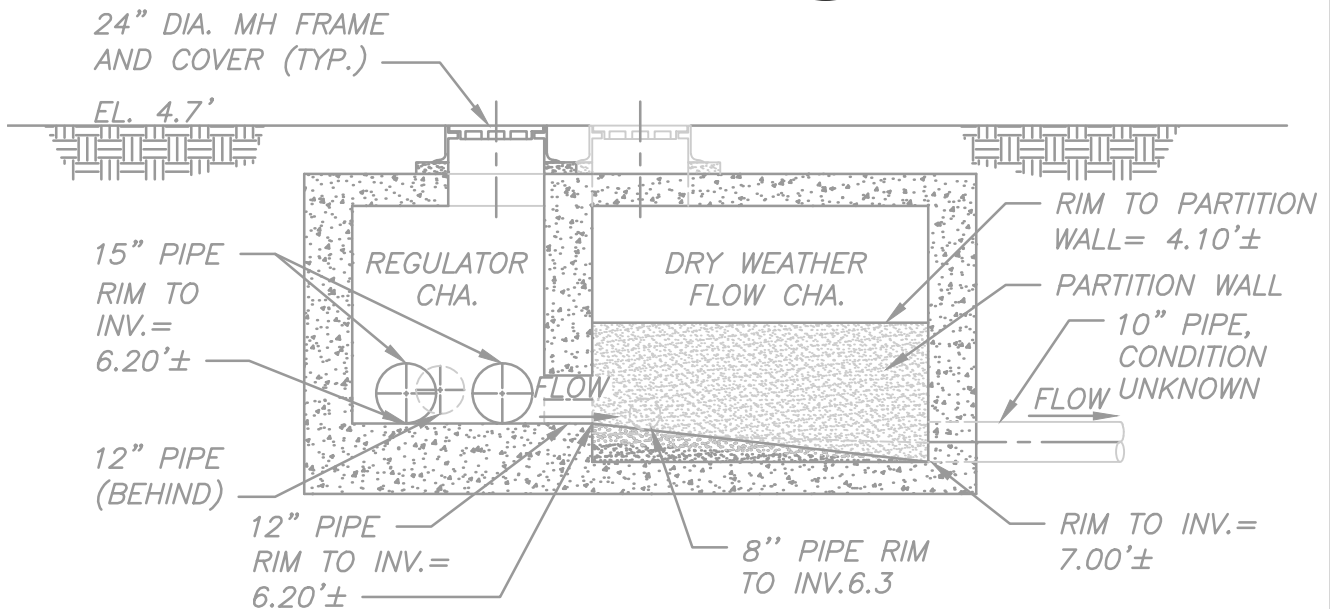


## SECTION

1/4" = 1'-0"

1

SH.1

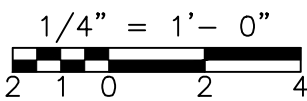


## SECTION

1/4" = 1'-0"

2

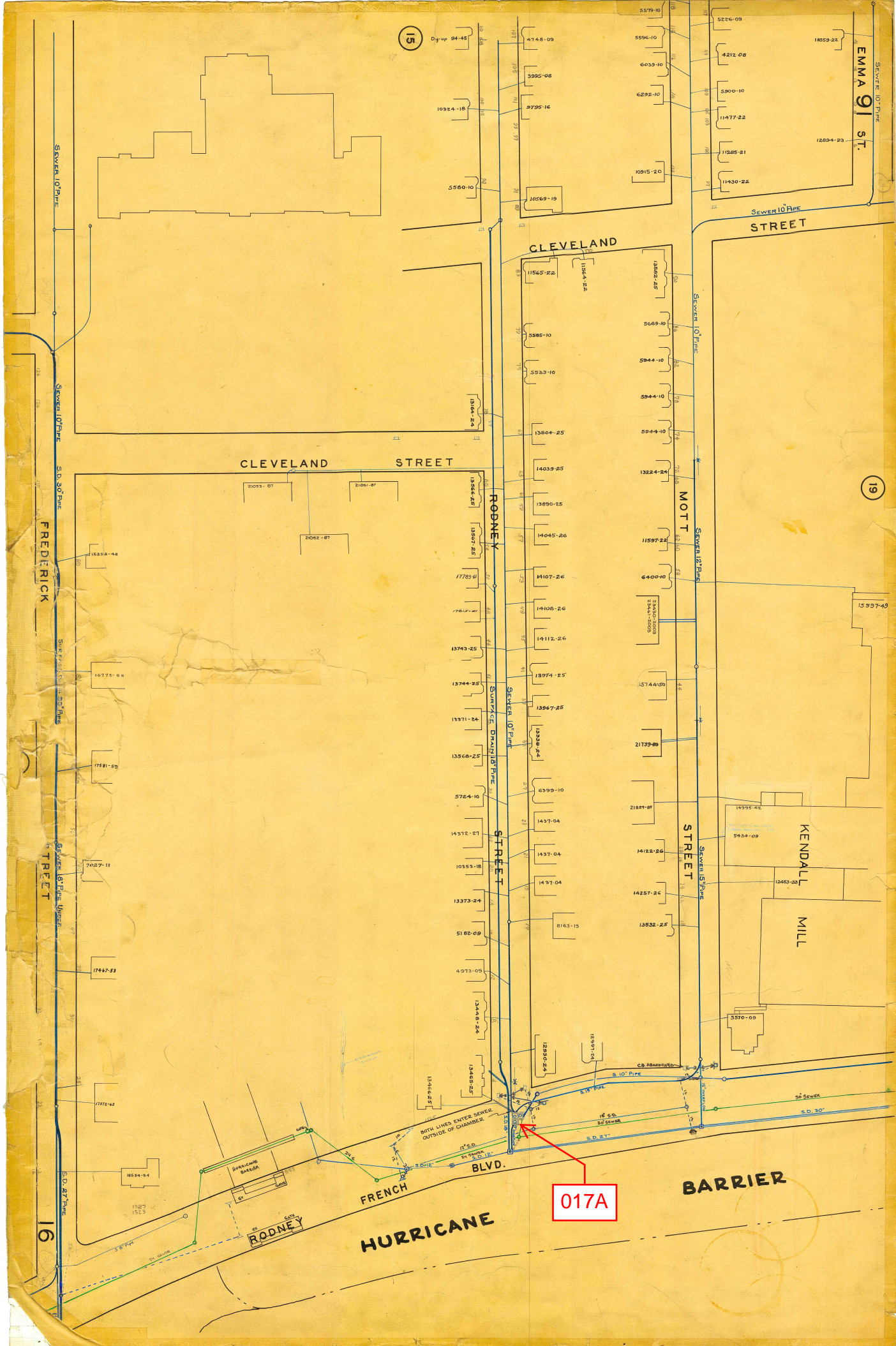
SH.1



### NOTE:

ELEVATIONS SHOWN ARE IN NEW BEDFORD CITY DATUM.







## REGULATOR FIELD PHOTOS

**Figure 1**



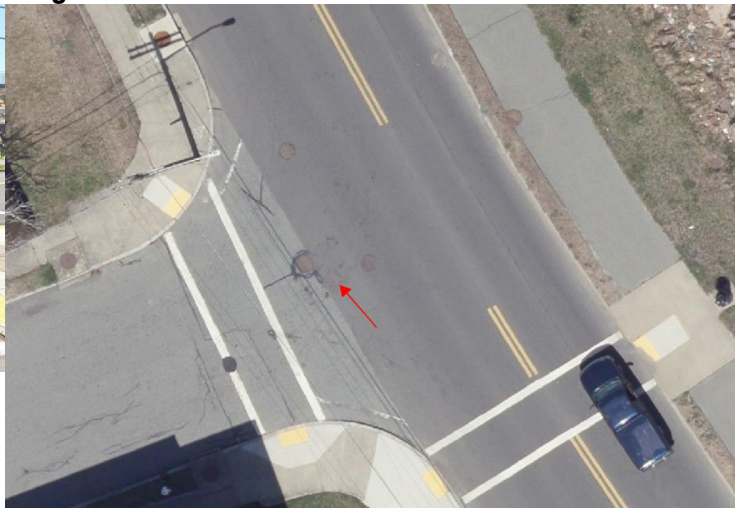
**Figure 2**



**Figure 3**



**Figure 4**



### Descriptions:

**Figure 1:** Inside of R-017A Overflow Chamber. Duckbill submerged during high tide.

**Figure 2:** 360 photo of Inside of R-017A Regulator Chamber.

**Figure 3:** Google Earth snapshot facing east towards hurricane barrier. Manhole marked in red.

**Figure 4:** Aerial location with arrow pointing to corresponding manhole.