

# New Bedford Regulator Specification Sheet

**Regulator #:** R-017C

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

**Date:** 6/25/25

## Structure Measurements

**Structure Type:** Multichamber (3)

**Rim Elevation (ft City Datum):** 4.1

**Regulator Type:** High Level Outlet

**Overflow Height (ft or in):** 1.4'

**Rim to Top of Weir (ft):** 6.1 (invert of 12" opening)

**Weir Dims (ft or in):** 12" pipe 1.4' above chamber bottom

**Influent pipe ø (in):** 24

**Rim to Influent Invert (ft):** 7.4

**Dry Weather Connection ø (in):** 12

**Rim to Dry Weather Invert (ft):** 8

**Overflow pipe ø (in):** 12 expands to 24

**Rim to Overflow Invert (ft):** 6.1

## Sensor Measurements

**Block Present:** No

**Level Sensor Status:** Metered

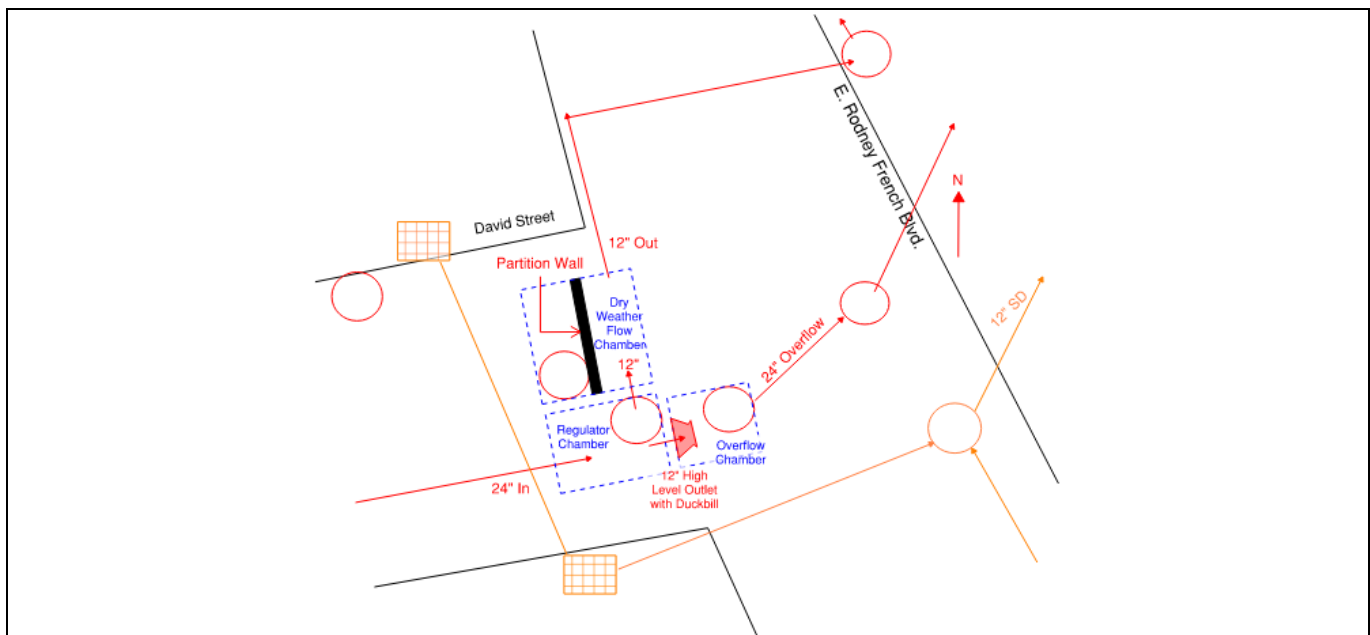
**Sensor Installation Date:** 2/17/2021

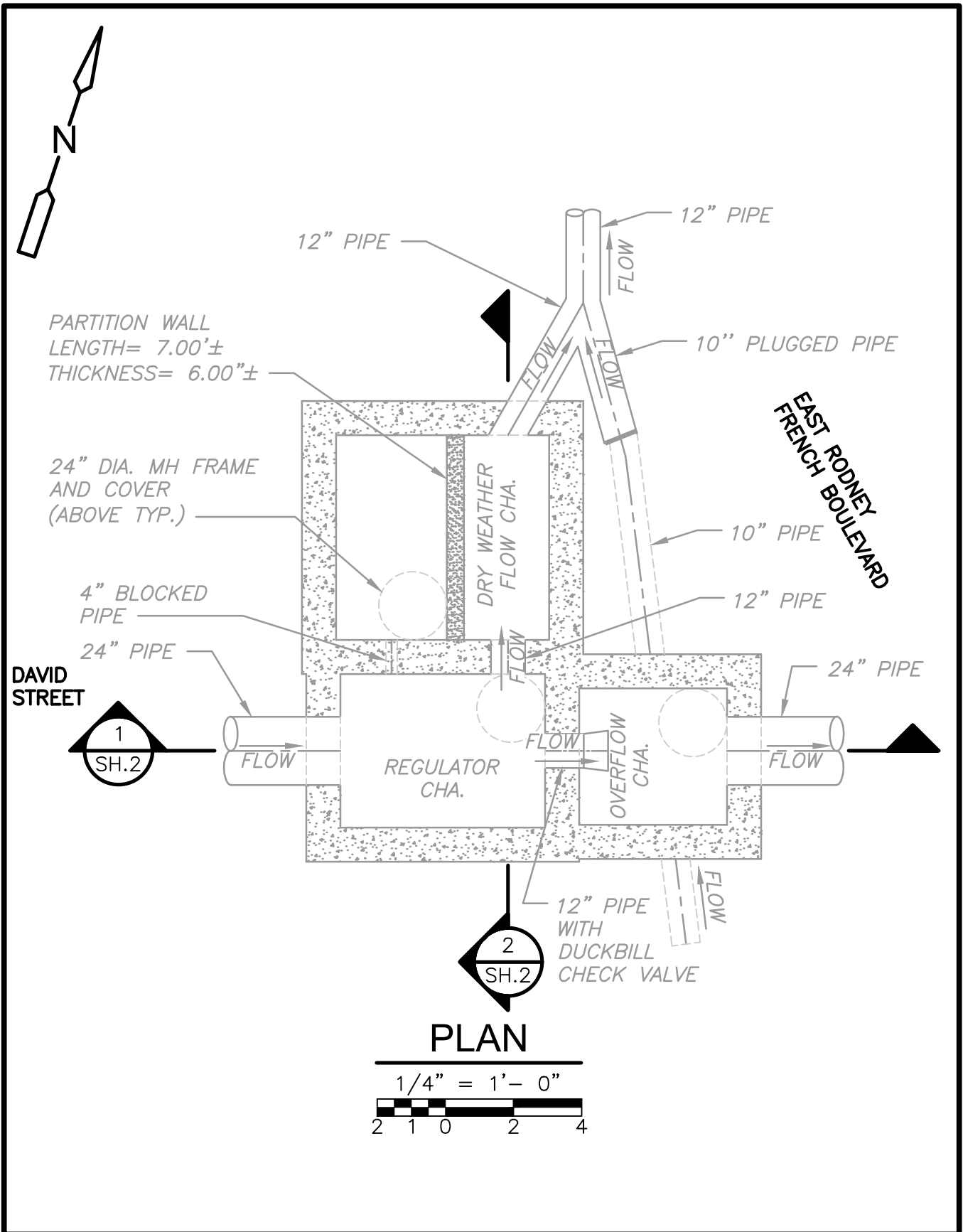
**Intra-System Status:** No

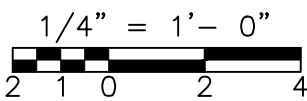
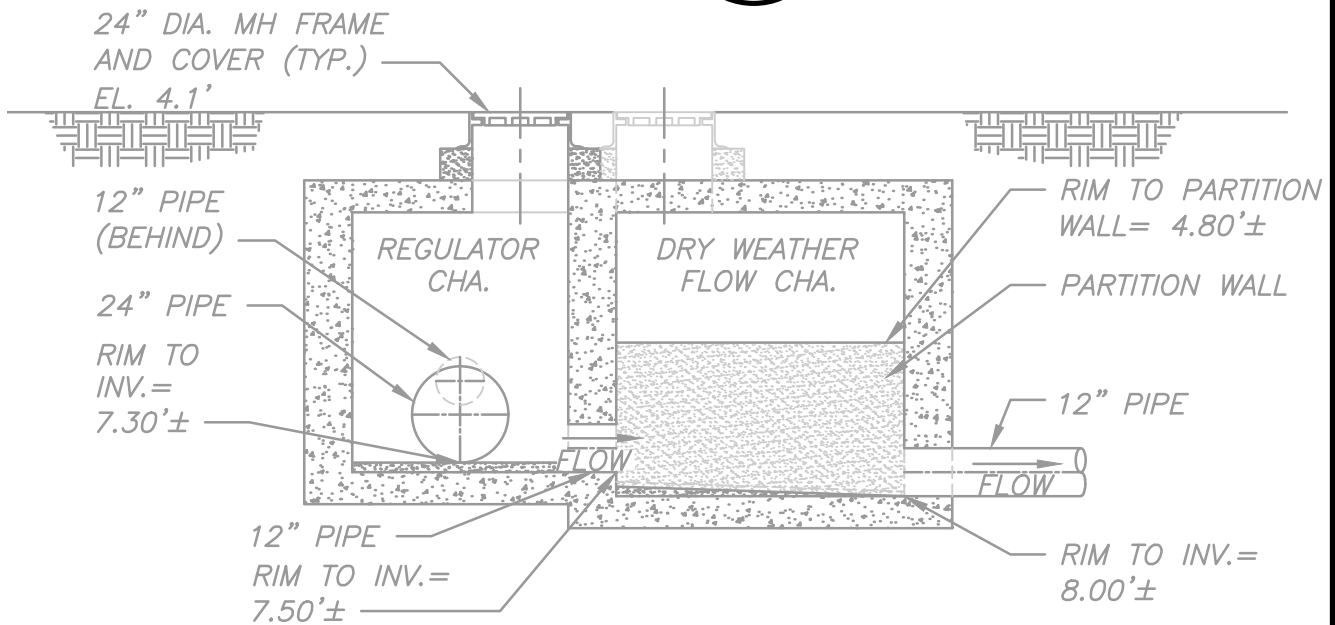
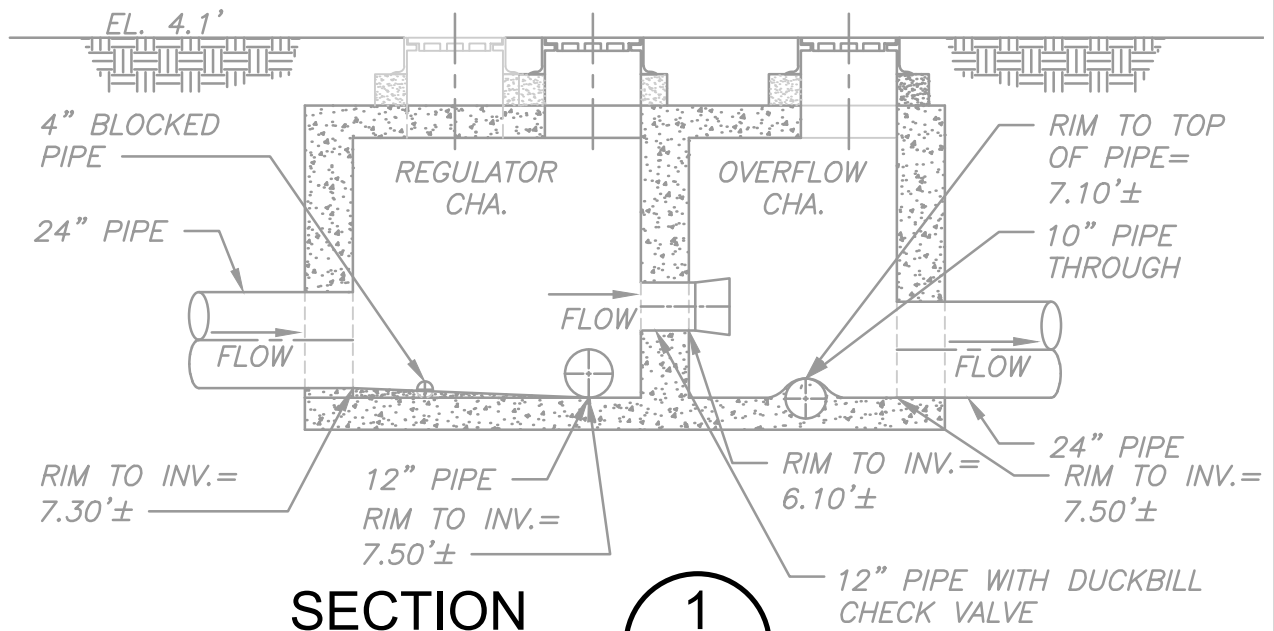
**Tide Gate Status:** Duckbill in overflow chamber

**Notes:** Only 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 12" opening to a duckbill gate. Tidal backflow through duckbill gate observed during high tide. There is one meter by the inflow and one meter in the old regulator chamber which should be moved.

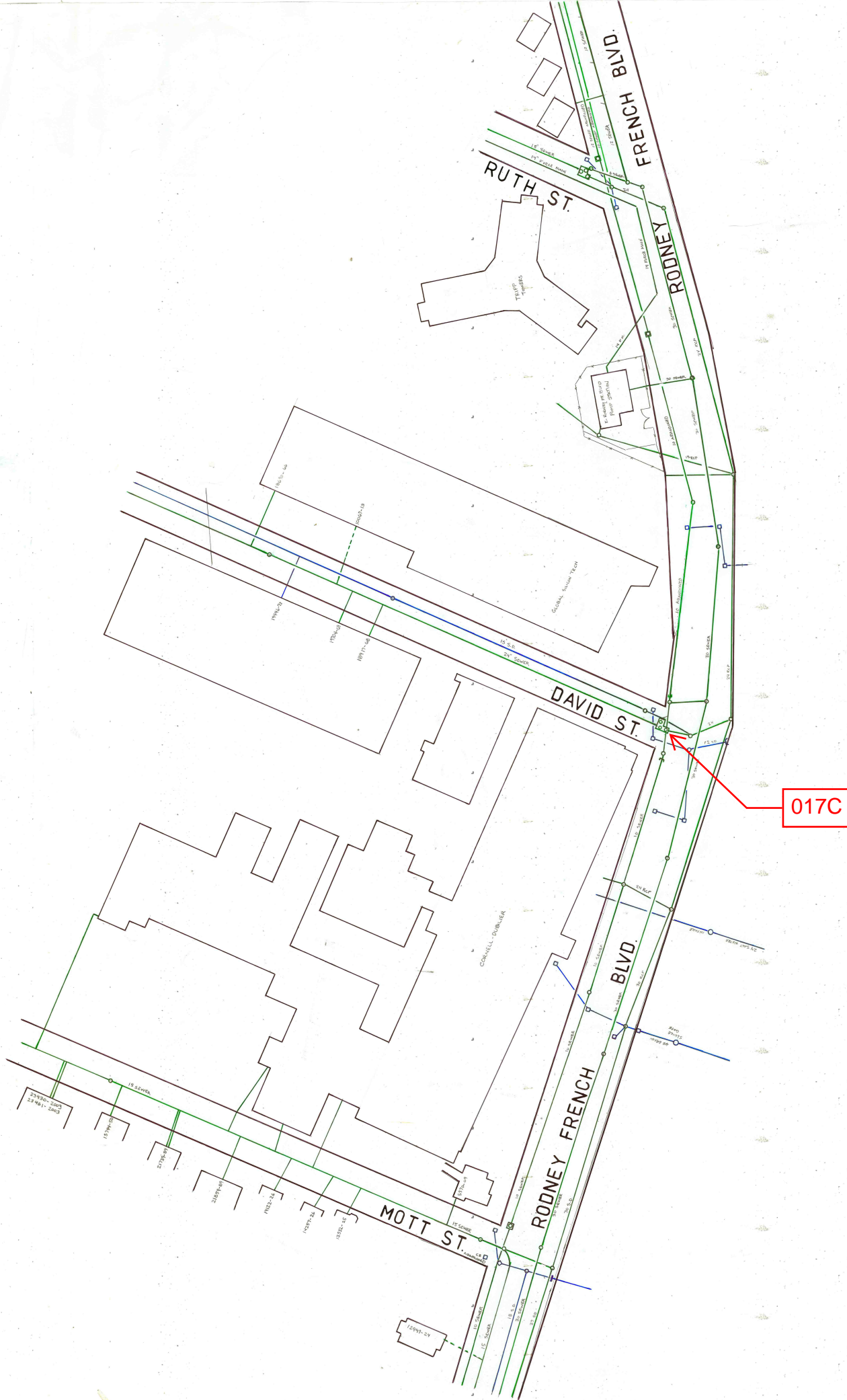
## Location Sketch:







**NOTE:**  
ELEVATIONS SHOWN ARE IN NEW BEDFORD CITY DATUM.





## REGULATOR FIELD PHOTOS

**Figure 1**



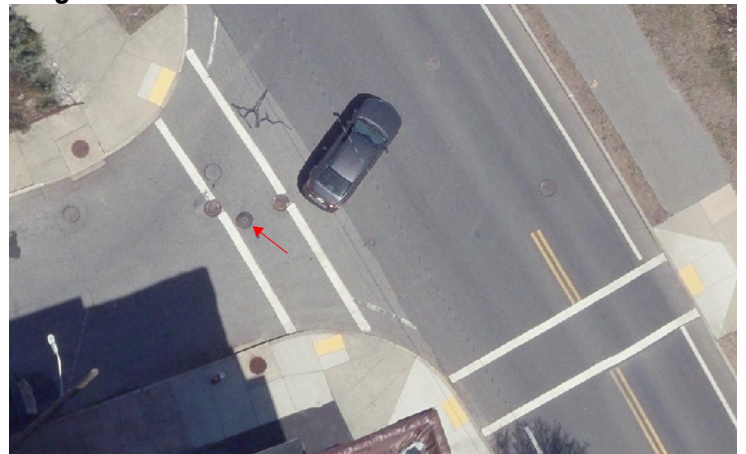
**Figure 2**



**Figure 3**



**Figure 4**



### Descriptions:

**Figure 1:** Inside of R-017C Regulator Chamber. Inlet, dry weather flow, and overflow visible.

**Figure 2:** Inside of R-017C Regulator Chamber. Close-up on tidal infiltration through duckbill check valve during high tide.

**Figure 3:** Location of manhole, facing northwest along E. Rodney French Blvd.

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