

New Bedford Regulator Specification Sheet

Regulator #: R-007A

Location: Capitol St. near W. Rodney French Blvd.

Date: 6/25/25

Structure Measurements

Structure Type: Single manhole

Rim Elevation (ft City Datum): 9.8

Regulator Type: Fixed Weir

Overflow Height (ft or in): 5.31'

Rim to Top of Weir (ft): 3.6

Weir Dims (ft or in): Length: 3', Width: 8", Height: 5.31'

Influent pipe ø (in): 18

Rim to Influent Invert (ft): 8.7

Dry Weather Connection ø (in): 8

Rim to Dry Weather Invert (ft): 8.7

Overflow pipe ø (in): 18

Rim to Overflow Invert (ft): 8.9

Sensor Measurements

Block Present: No

Level Sensor Status: Metered

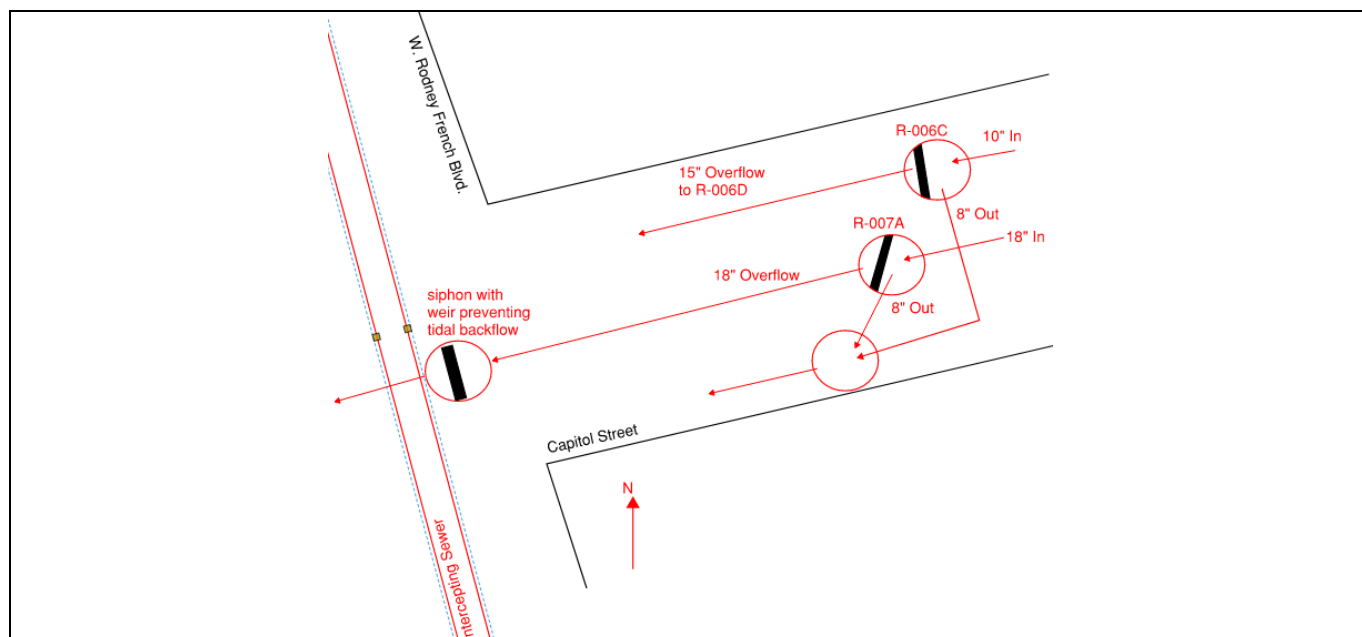
Sensor Installation Date: 10/14/2020

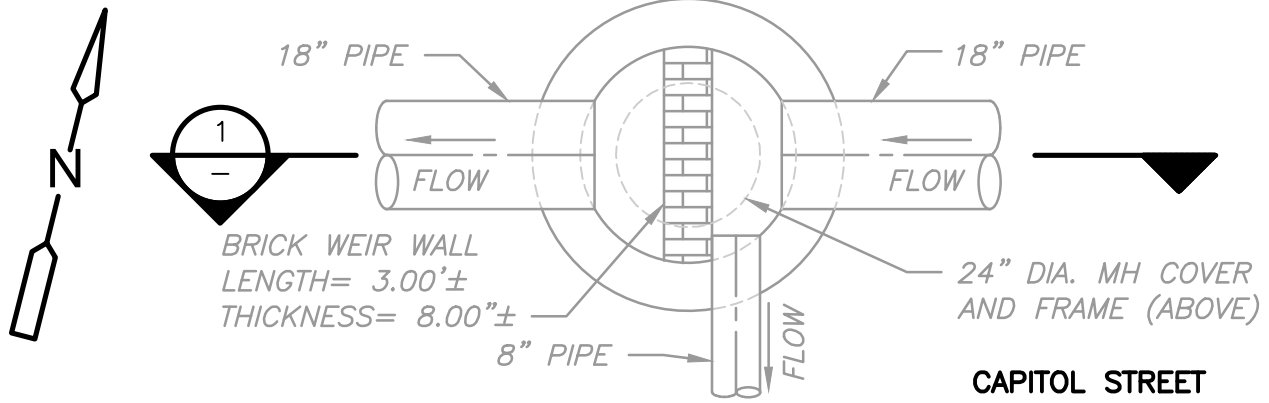
Intra-System Status: No

Tide Gate Status: None

Notes: Inlet invert elevation was manually measured by Redzone on 12/11/2024 as the 3D scan did not reach bottom of chamber. Overflow invert elevation is estimated. Weir dimensions are based on Redzone scan. Pipe sizes are based on record drawings. The CSO block location labeled 007A is located in siphon manhole further downstream which has a weir to prevent backtide.

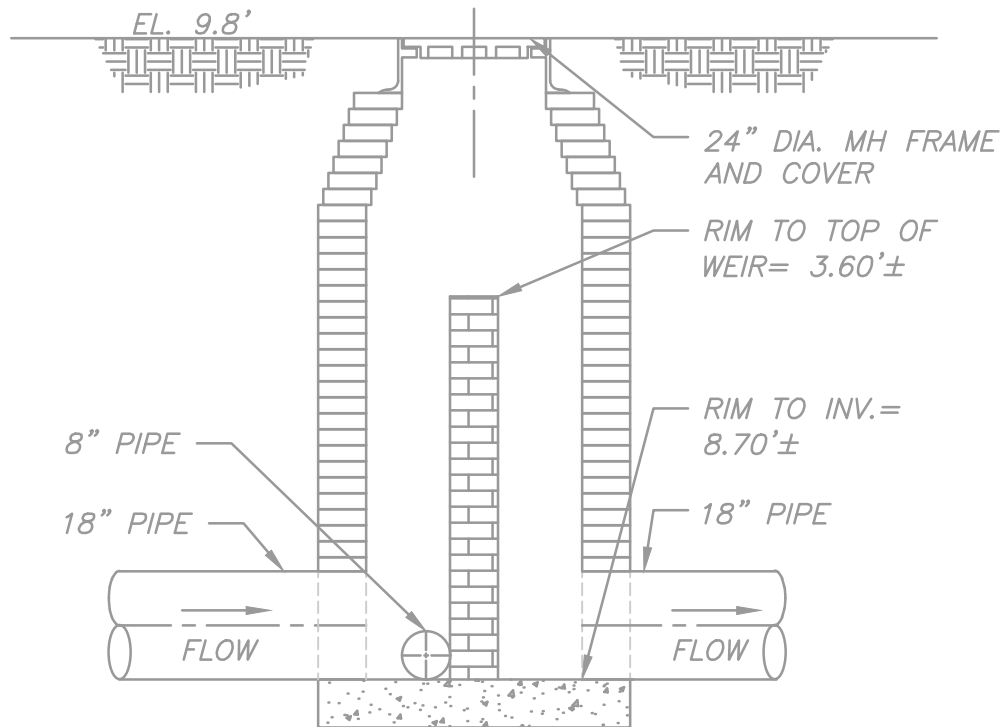
Location Sketch:





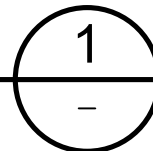
PLAN

$3/8" = 1' - 0"$



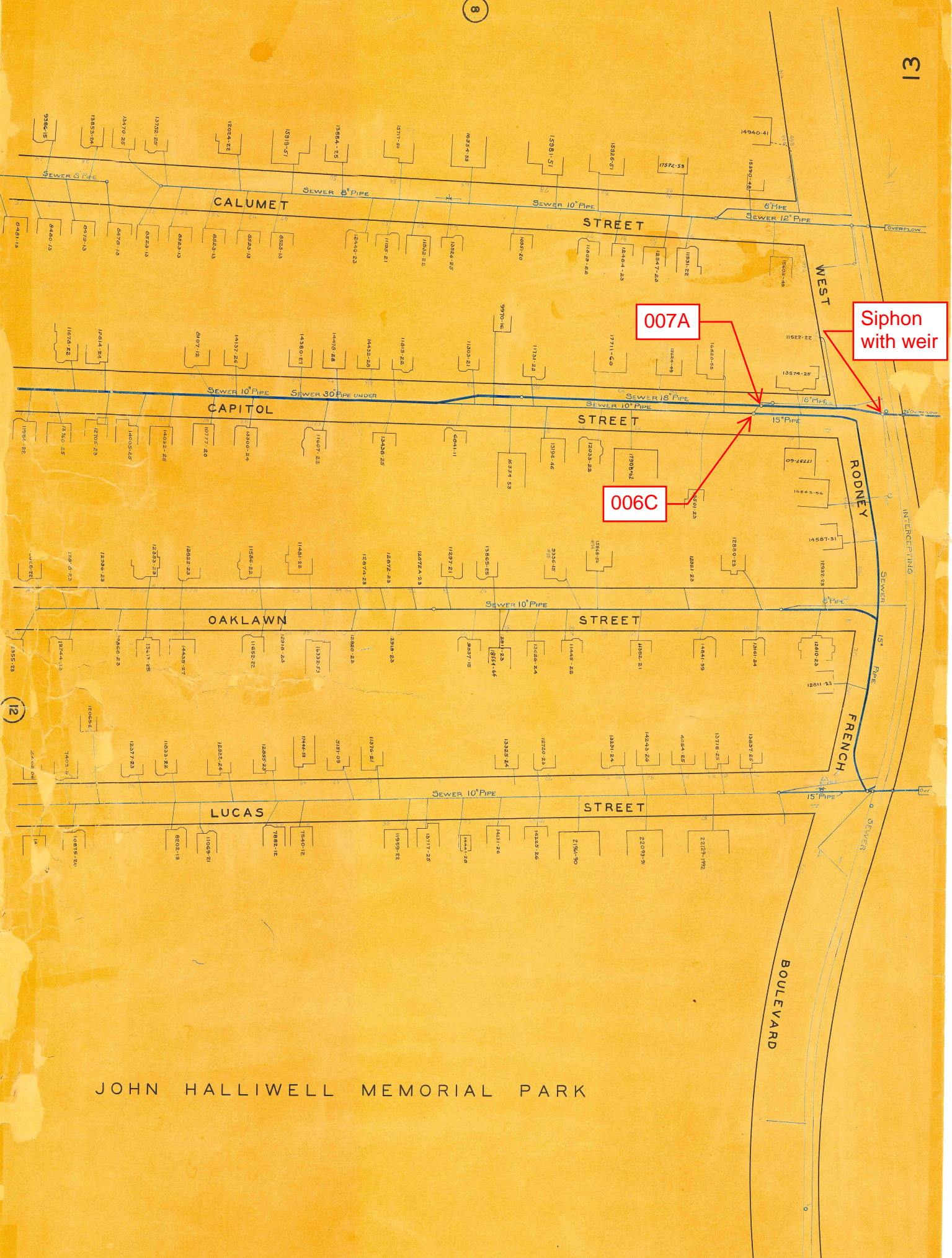
SECTION

$3/8" = 1' - 0"$



NOTES:

1. ELEVATIONS SHOWN ARE IN NEW BEDFORD CITY DATUM.
2. INLET INVERT ELEVATION MANUALLY MEASURED BY REDZONE ON 12/11/2024. 3D SCAN DID NOT REACH BOTTOM OF CHAMBER.
3. RIM TO TOP OF WEIR, WEIR LENGTH, AND WEIR WIDTH CONFIRMED BY SCAN.



JOHN HALLIWELL MEMORIAL PARK

REGULATOR FIELD PHOTOS

Figure 1



Figure 2



Figure 3



Descriptions:

Figure 1: Inside of R-007A. Inflow, weir, and overflow visible.

Figure 2: Location of manhole facing west along Capitol Street.

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