New Bedford Regulator Specification Sheet

Regulator #: R-020A

Location: Wamsutta St. west of Rt. 18 **Date:** 6/25/25

Structure Measurements

Structure Type: Multichamber (2)

Rim Elevation (ft City Datum): 16.9

Regulator Type: Fixed Weir

Overflow Height (ft or in): 1.5'

Rim to Top of Weir (ft): 11.6

Weir Dims (ft or in): Length: 7.5', Width: 5", Height: 1.5' above inlet elevation

Influent pipe ⌀ (in): 36

Rim to Influent Invert (ft): 13.1

Dry Weather Connection ⌀ (in): 12

Rim to Dry Weather Invert (ft): 14.3

Overflow pipe ⌀ (in): 30

Rim to Overflow Invert (ft): 19.1

Sensor Measurements

Block Present: Yes

Level Sensor Status: Metered

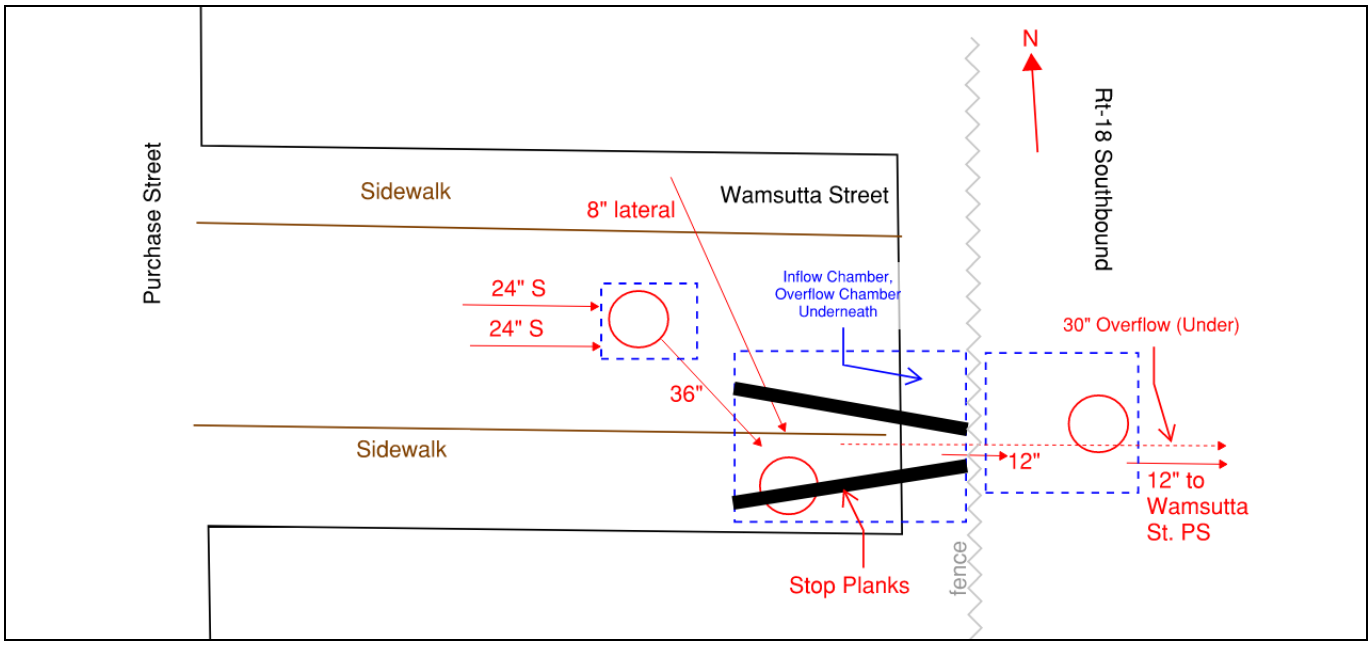
Sensor Installation Date: 2/28/2018

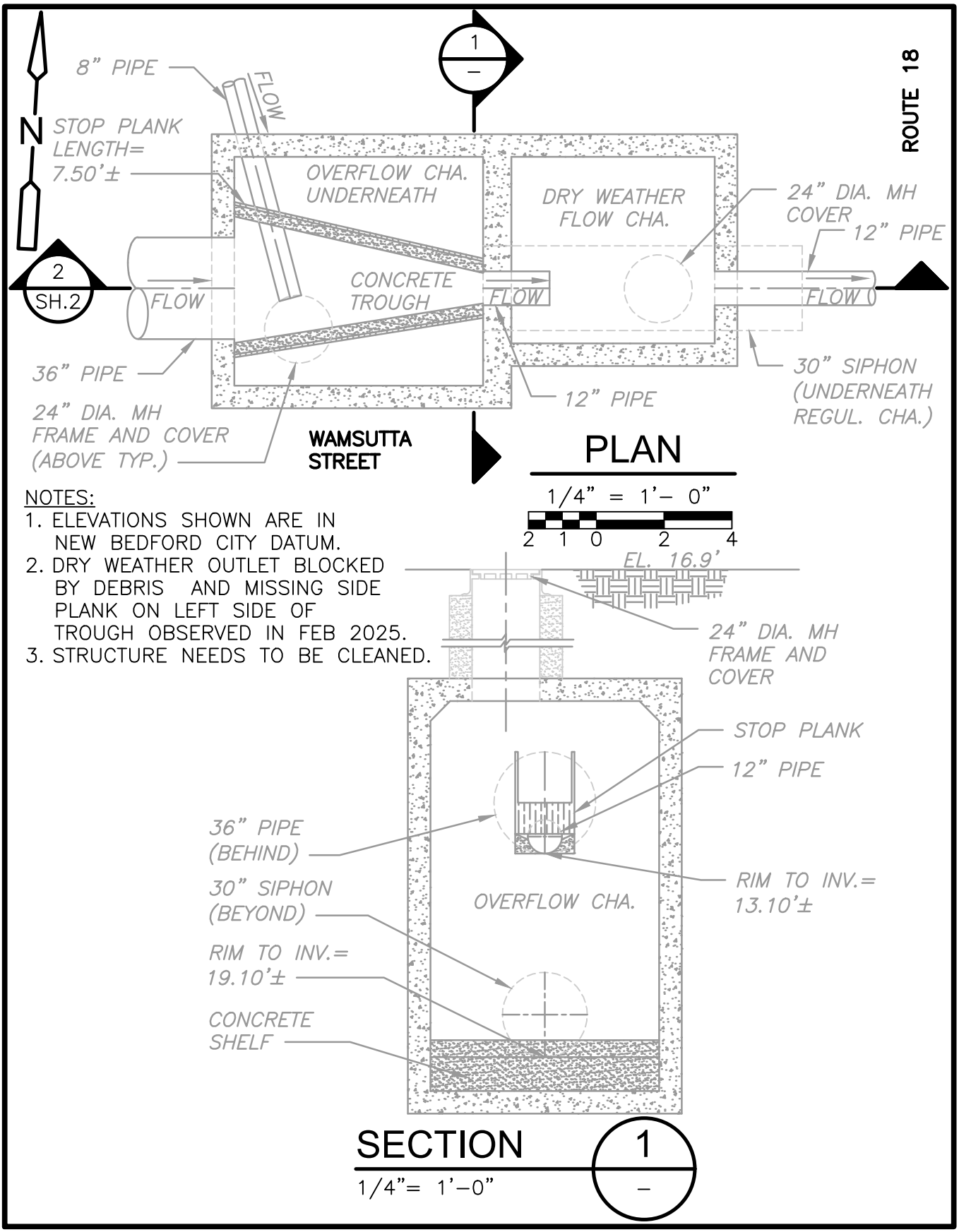
Intra-System Status: No

Tide Gate Status: Gate at outfall

Notes: Redzone scanned the inlet chamber in 2023. The second chamber is on the other side of the fence only accessible from Route 18. During Feb 2025 fieldwork, it was discovered that the dry weather outlet was blocked by debris (Figure 2) and a stop plank was missing (not shown).The overflow chamber needs to be cleaned. All other dimensions taken from drawings from MassDOT.

Location Sketch:

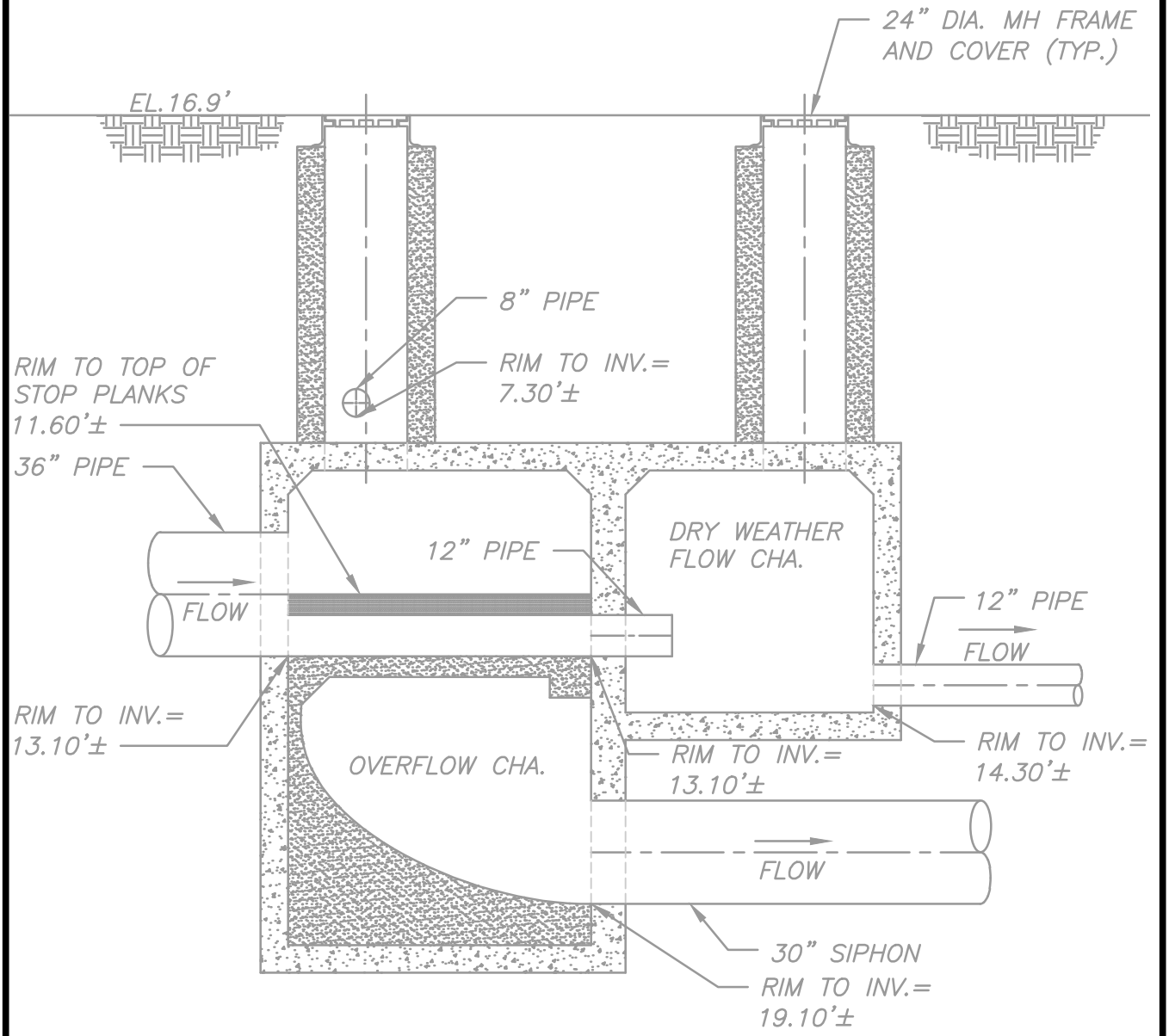




NOTES:
1. ELEVATIONS SHOWN ARE IN NEW BEDFORD CITY DATUM.
2. DRY WEATHER OUTLET BLOCKED BY DEBRIS AND MISSING SIDE PLANK ON LEFT SIDE OF TROUGH OBSERVED IN FEB 2025.
3. STRUCTURE NEEDS TO BE CLEANED.

CDM Smith

R-020A-SHEET 1
WAMSUTTA STREET WEST OF ROUTE 18
JUNE 2025



SECTION 2

1/4"= 1'–0"

SH.1

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1/4" = 1'– 0"

2 1 0 2 4

CDM Smith

R-020A-SHEET 2
WAMSUTTA STREET WEST OF ROUTE 18
JUNE 2025


901
COUNTY
STREET
HAZARD
COURT
STATE
AUSTIN
COURT
HAZARD
STREET
AUSTIN
STREET
LINDEN
STREET
PLEASANT
STREET
STREET
PURCHASE
STREET
WAMSUTTA
020A
SOUTHBOUND
CONNECTOR
NORTHBOUND
CONNECTOR
ACUSHNET
AVENUE
WAMSUTTA
MILLS
105
105-A
107
114
Sewer 10" Pipe
Sewer 16"x18" Pipe
Sewer 24" Pipe
Sewer 12" Pipe
Sewer 8" Pipe
6" Pipe
18" SEWER
42" RELIEF INTERCEPTOR SEWER
Surf Drain
Sewer 42" Brick
SEWER 8" DUCTILE IRON
INTERCEPTING SEWER
58" x 72" CONCRETE SEWER
GIUSTI BAKING CO.

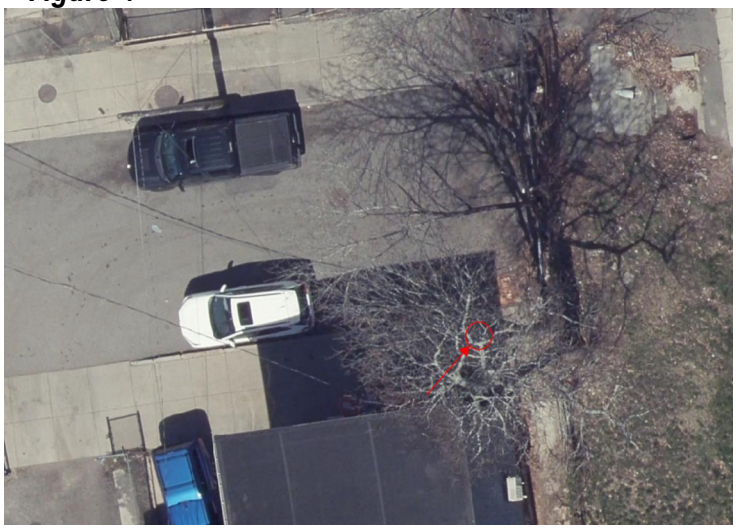
REGULATOR FIELD PHOTOS

Figure 1

Figure 2

Figure 3

Figure 4



Descriptions:

Figure 1: Inside of R-020A. Dry weather flow, weir, and overflow chamber visible.

Figure 2: Inside Regulator Chamber of R-020A. Redzone scan taken Dec 2023

Figure 3: Location of manhole facing east at the end of Wamsutta St. on west side of Route 18.

Figure 4: Aerial location with arrow pointing to corresponding manhole drawn in red.